

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060114.D
 Acq On : 3 Oct 2018 12:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/4/2018 4:44:48 PM

Quant Time: Oct 04 04:40:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1649063	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.43	114	2267681	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1827520	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	938076	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	660126	52.81	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	6.32	113	915341	53.15	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	9.45	98	2635662	53.67	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.42	95	967504	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.59	85	859548m	55.411	ug/l
3) Chloromethane	1.75	50	769198	54.991	ug/l
4) Vinyl Chloride	1.84	62	630258	55.058	ug/l
5) Bromomethane	2.14	94	106324	73.972	ug/l
6) Chloroethane	2.25	64	191123	61.183	ug/l
7) Trichlorofluoromethane	2.50	101	750163	54.730	ug/l
8) Diethyl Ether	2.82	74	160222	56.847	ug/l
9) 1,1,2-Trichlorotrifluoroet	3.08	101	473898	55.499	ug/l
10) Methyl Iodide	3.24	142	509960	56.316	ug/l
11) Tert butyl alcohol	3.96	59	238949	266.538	ug/l
12) 1,1-Dichloroethene	3.06	96	383219	56.968	ug/l
13) Acrolein	2.97	56	124021	224.415	ug/l
14) Allyl chloride	3.53	41	768124	54.979	ug/l
15) Acrylonitrile	4.08	53	1007860	271.610	ug/l
16) Acetone	3.15	43	650678	286.870	ug/l
17) Carbon Disulfide	3.31	76	1285268	56.816	ug/l
18) Methyl Acetate	3.54	43	272851	55.968	ug/l
19) Methyl tert-butyl Ether	4.12	73	1587208	53.664	ug/l
20) Methylene Chloride	3.71	84	1038907	58.961	ug/l
21) trans-1,2-Dichloroethene	4.09	96	912070	52.497	ug/l
22) Diisopropyl ether	4.84	45	3338794	53.511	ug/l
23) Vinyl Acetate	4.79	43	9488939	270.553	ug/l
24) 1,1-Dichloroethane	4.75	63	1479246	52.288	ug/l
25) 2-Butanone	5.61	43	1608524	283.865	ug/l
26) 2,2-Dichloropropane	5.58	77	1186935	55.344	ug/l
27) cis-1,2-Dichloroethene	5.58	96	964899	52.419	ug/l
28) Bromochloromethane	5.92	49	732225	53.262	ug/l
29) Tetrahydrofuran	5.95	42	857823	260.626	ug/l
30) Chloroform	6.09	83	1553524	54.287	ug/l
31) Cyclohexane	6.36	56	1393659	51.462	ug/l
32) 1,1,1-Trichloroethane	6.28	97	1262491	53.848	ug/l
36) 1,1-Dichloropropene	6.52	75	1145342	52.855	ug/l
37) Ethyl Acetate	5.69	43	749978	52.142	ug/l
38) Carbon Tetrachloride	6.49	117	1076507	54.735	ug/l

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	1277547	51.888	ug/l	98
40) Benzene	6.78	78	2960703	52.225	ug/l	100
41) Methacrylonitrile	5.92	41	423528m	52.095	ug/l	
42) 1,2-Dichloroethane	6.89	62	851091	52.364	ug/l	100
43) Isopropyl Acetate	8.35	43	1014779	53.627	ug/l	98
44) Trichloroethene	7.74	130	923339	52.614	ug/l	97
45) 1,2-Dichloropropane	8.10	63	774630	52.184	ug/l	100
46) Dibromomethane	8.21	93	513339	53.415	ug/l	96
47) Bromodichloromethane	8.48	83	1112890	54.348	ug/l	100
48) Methyl methacrylate	8.24	41	593822	55.091	ug/l	99
49) 1,4-Dioxane	8.22	88	115763	1091.533	ug/l	91
51) 4-Methyl-2-Pentanone	9.34	43	3249630	272.269	ug/l	99
52) Toluene	9.55	92	1902726	52.114	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	1010729	54.550	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	1230825	53.795	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	645235	54.058	ug/l	99
56) Ethyl methacrylate	10.03	69	734189	55.723	ug/l	99
57) 1,3-Dichloropropane	10.38	76	955218	52.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1820376	248.802	ug/l	97
59) 2-Hexanone	10.48	43	2388008	278.242	ug/l	100
60) Dibromochloromethane	10.64	129	797392	54.449	ug/l	96
61) 1,2-Dibromoethane	10.76	107	674587	53.191	ug/l	99
64) Tetrachloroethene	10.25	164	844577	52.765	ug/l	98
65) Chlorobenzene	11.31	112	2060934	52.128	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	709667	53.807	ug/l	98
67) Ethyl Benzene	11.43	91	3361381	52.476	ug/l	99
68) m/p-Xylenes	11.57	106	2445412	102.175	ug/l	99
69) o-Xylene	11.93	106	1258042	53.142	ug/l	94
70) Styrene	11.96	104	2114134	53.402	ug/l	98
71) Bromoform	12.12	173	609281	57.049	ug/l	99
73) Isopropylbenzene	12.27	105	3225679	52.122	ug/l	99
74) N-amyl acetate	12.14	43	1304808	57.560	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	729636	54.004	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	752703	55.717	ug/l	100
77) Bromobenzene	12.54	156	962201	53.504	ug/l	90
78) n-propylbenzene	12.64	91	4065255	52.902	ug/l	96
79) 2-Chlorotoluene	12.71	91	2307199	54.097	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	2591768	54.111	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	227500	59.932	ug/l	96
82) 4-Chlorotoluene	12.80	91	2592335	53.739	ug/l	95
83) tert-Butylbenzene	13.04	119	2991396	54.424	ug/l	96
84) 1,2,4-Trimethylbenzene	13.09	105	2634381	52.186	ug/l	97
85) sec-Butylbenzene	13.22	105	3463856	53.300	ug/l	98
86) p-Isopropyltoluene	13.34	119	2760558	51.789	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	1667495	53.219	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	1622174	51.544	ug/l	97
89) n-Butylbenzene	13.64	91	2789357	53.629	ug/l	99
90) Hexachloroethane	13.86	117	716721	58.098	ug/l	76
91) 1,2-Dichlorobenzene	13.66	146	1409854	53.514	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	104427	57.887	ug/l	79

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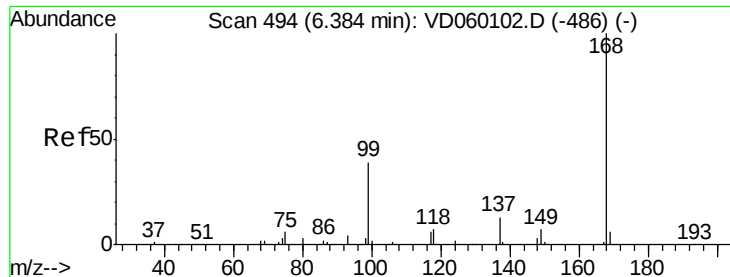
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1194002	53.395	ug/l	98
94) Hexachlorobutadiene	14.88	225	795772	53.537	ug/l	99
95) Naphthalene	14.97	128	1796331	54.193	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1024955	52.690	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1649063

Ion Ratio Lower Upper

168 100

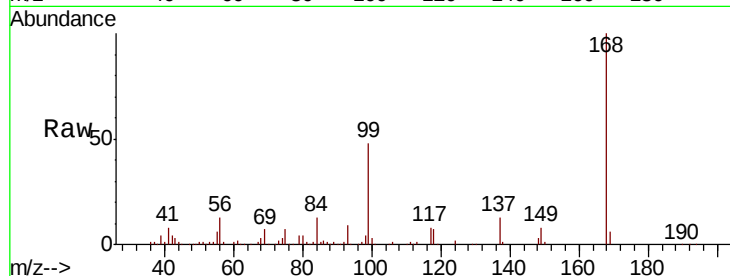
99 47.7 35.4 53.0

Manual Integrations

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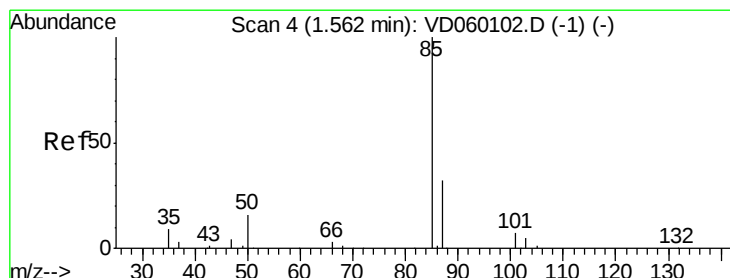
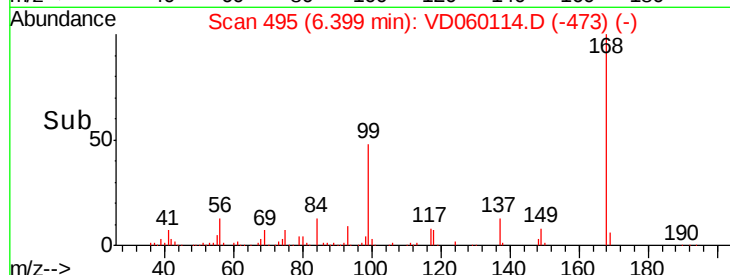
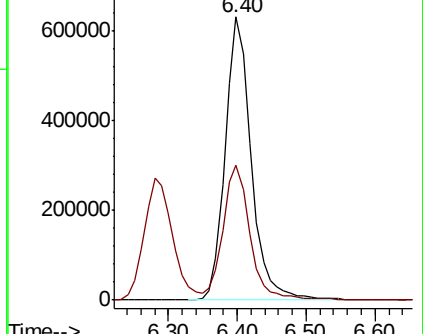
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 55.411 ug/l m

RT: 1.59 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060114.D

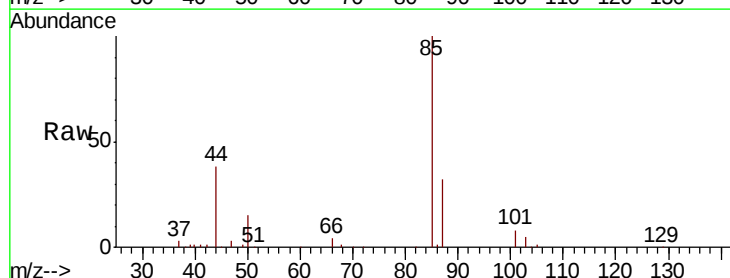
Acq: 3 Oct 2018 12:08

Tgt Ion: 85 Resp: 859548

Ion Ratio Lower Upper

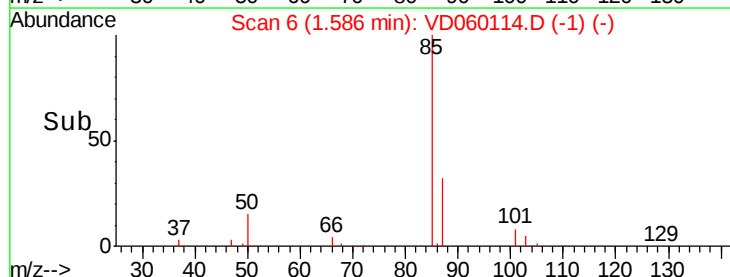
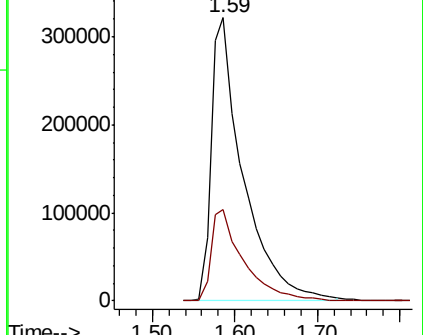
85 100

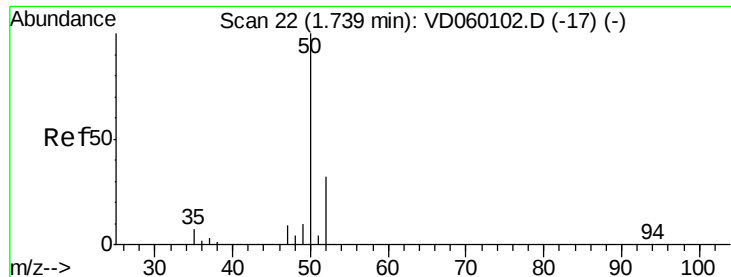
87 32.3 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.991 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 769198

Ion Ratio Lower Upper

50 100

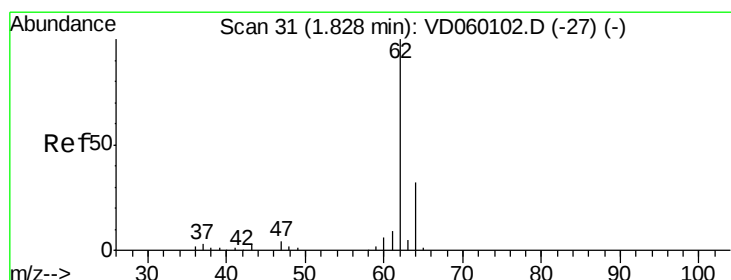
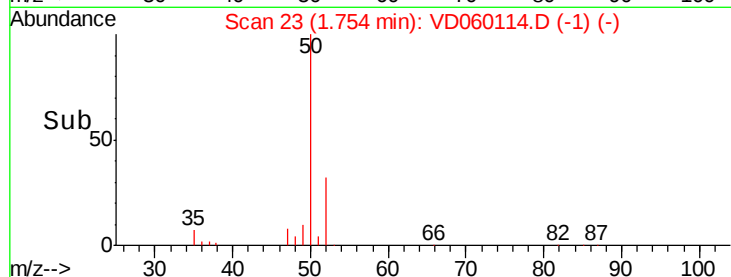
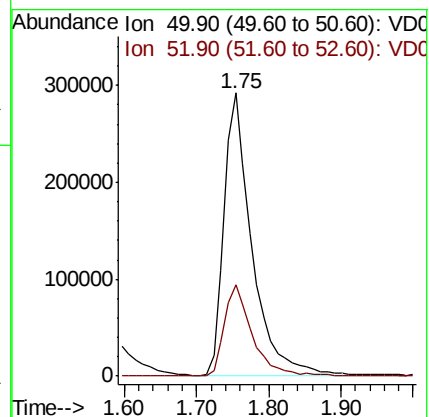
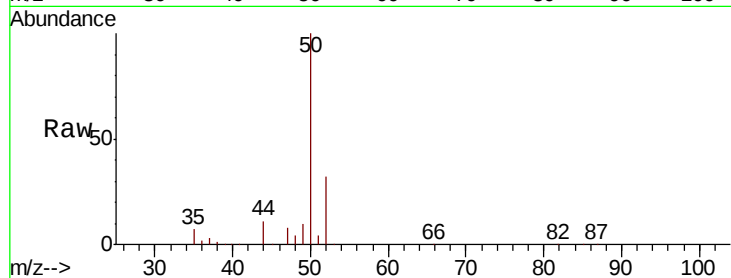
52 32.3 25.3 37.9

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#4

Vinyl Chloride

Concen: 55.058 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060114.D

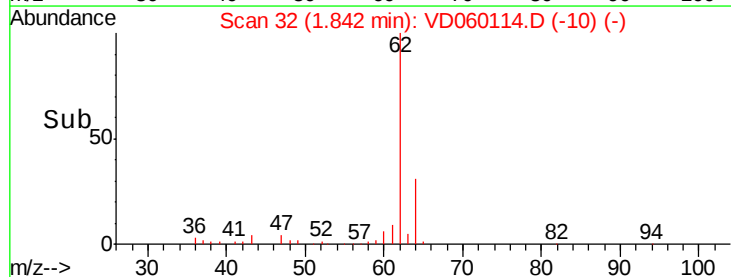
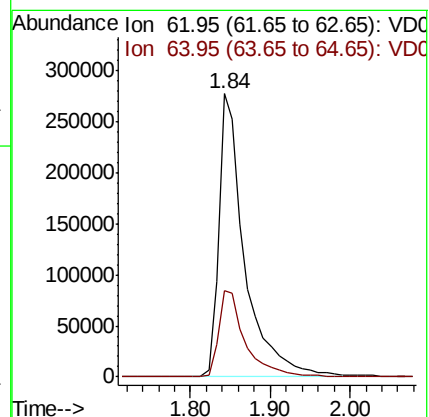
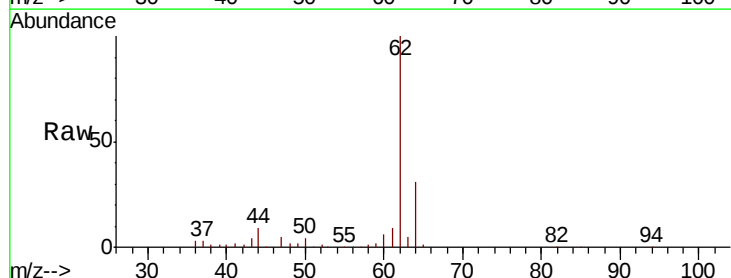
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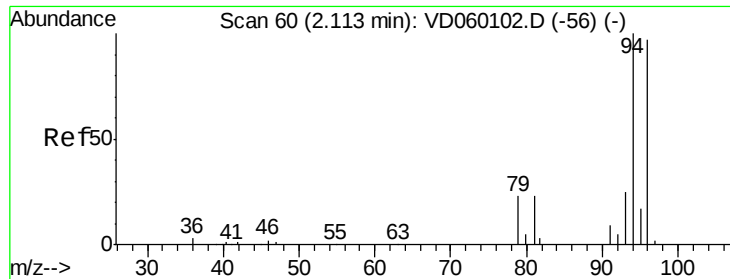
Tgt Ion: 62 Resp: 630258

Ion Ratio Lower Upper

62 100

64 30.6 25.2 37.8





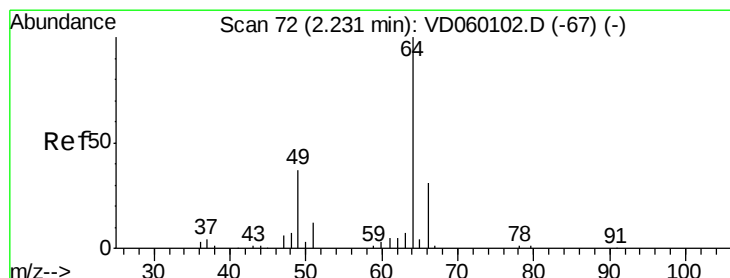
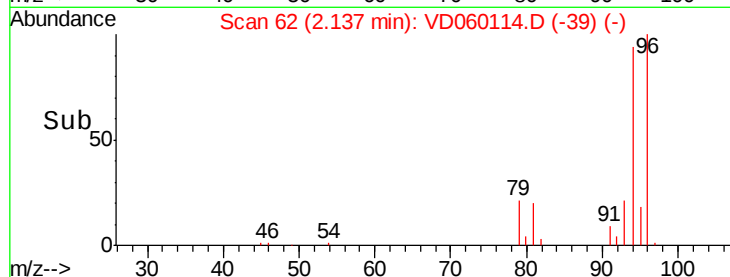
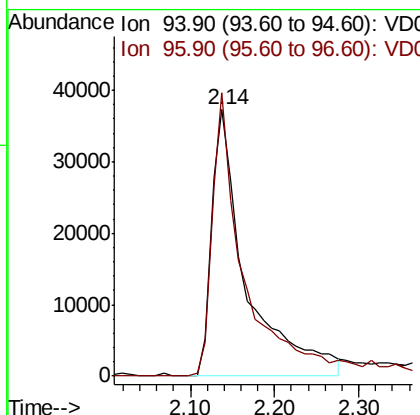
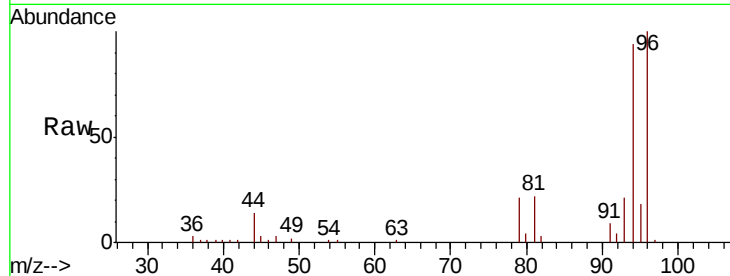
#5
Bromomethane
Concen: 73.972 ug/l
RT: 2.14 min Scan# 62
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

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MSVOA_D
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Tot Ion: 94 Resp: 106324
Ion Ratio Lower Upper
94 100
96 106.2 77.4 116.2

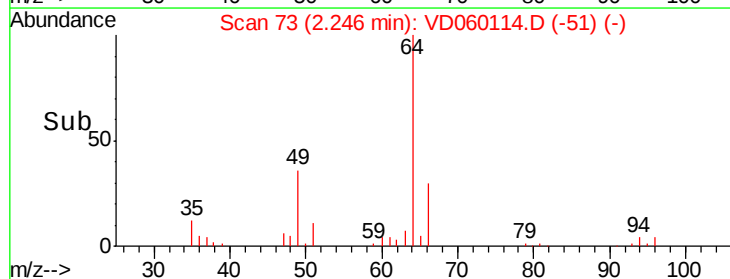
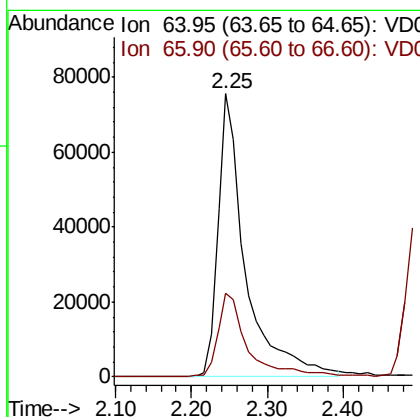
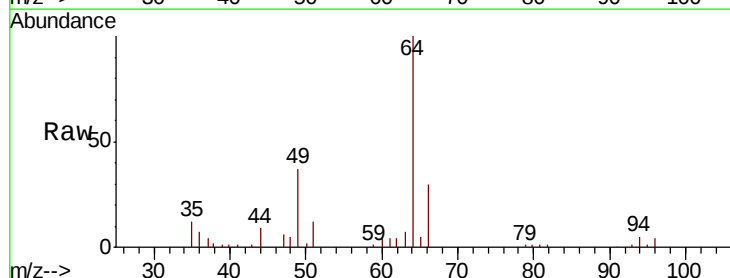
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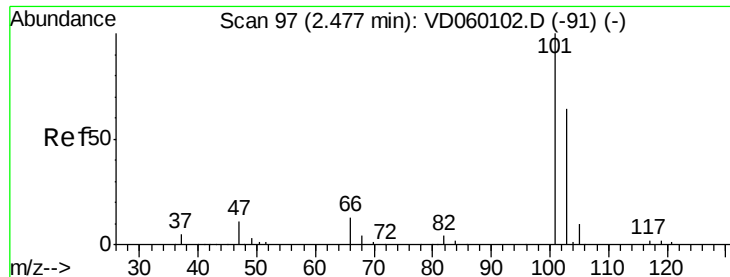
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#6
Chloroethane
Concen: 61.183 ug/l
RT: 2.25 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 64 Resp: 191123
Ion Ratio Lower Upper
64 100
66 29.8 24.6 37.0





#7

Trichlorofluoromethane

Concen: 54.730 ug/l

RT: 2.50 min Scan# 99

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 750163

Ion Ratio Lower Upper

101 100

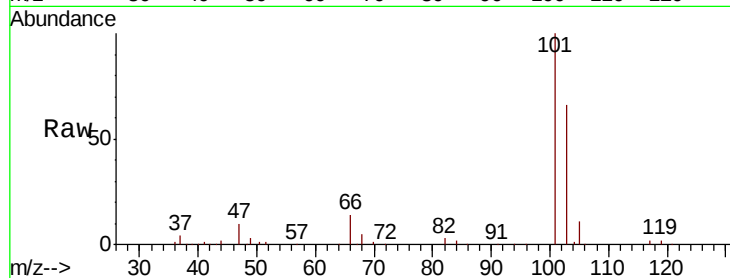
103 66.3 51.5 77.3

Manual Integrations

APPROVED

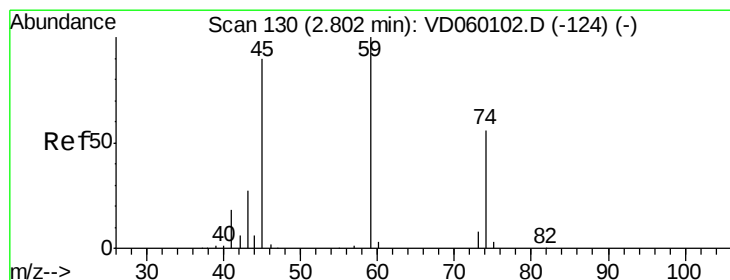
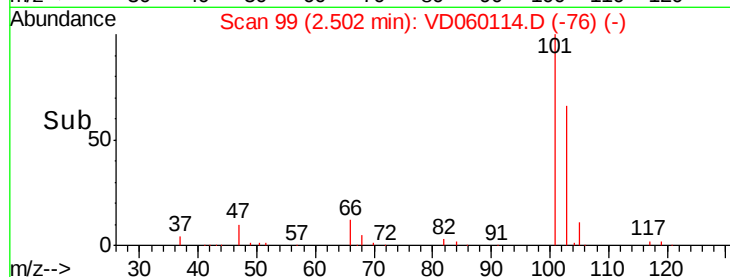
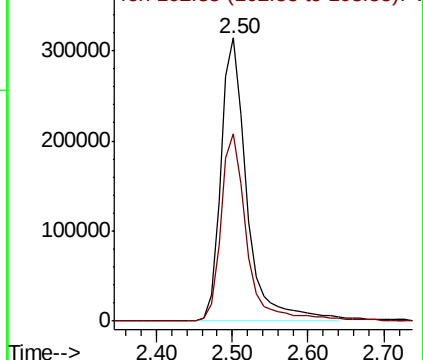
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Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 56.847 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060114.D

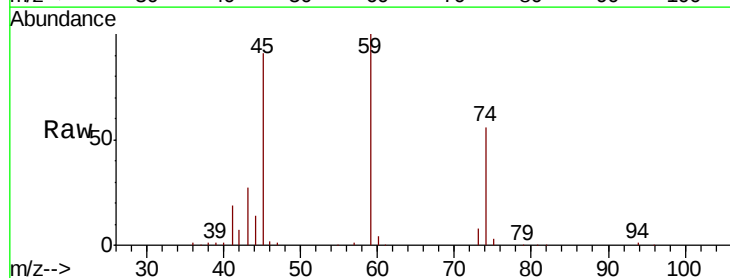
Acq: 3 Oct 2018 12:08

Tgt Ion: 74 Resp: 160222

Ion Ratio Lower Upper

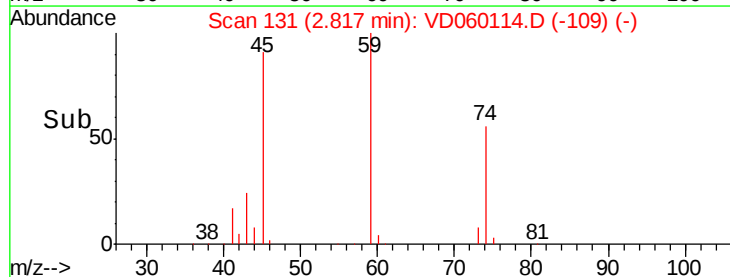
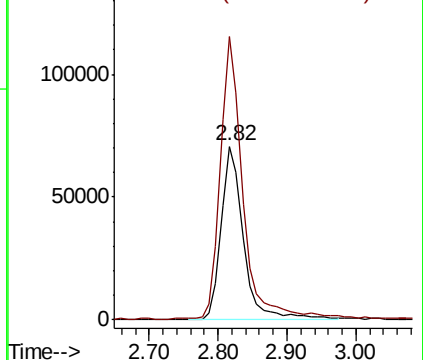
74 100

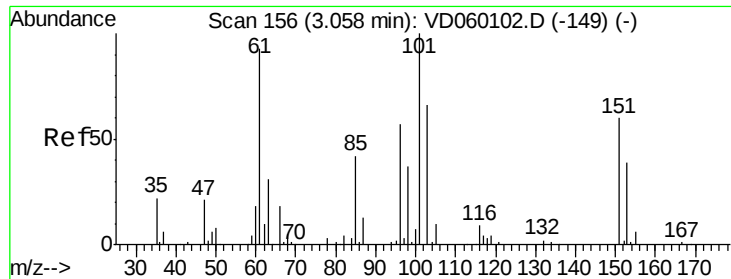
45 162.9 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.499 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

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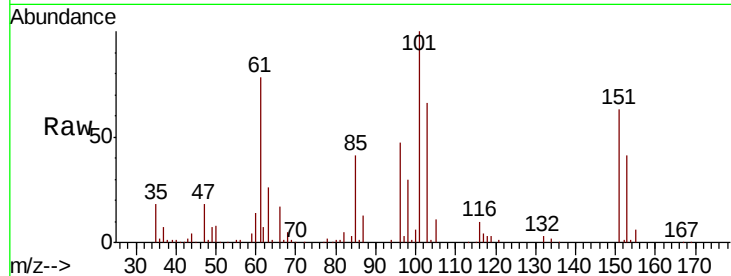
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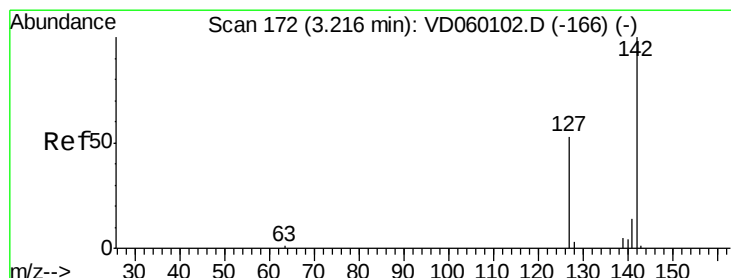
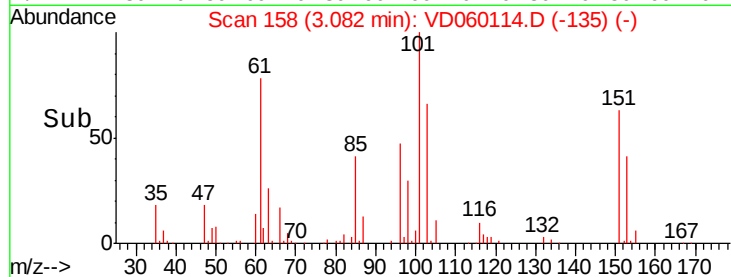
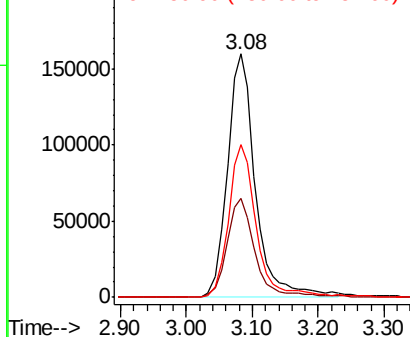
Tot Ion:	101	Resp:	473898
Ion Ratio	Lower	Upper	
101	100		
85	40.9	33.4	50.0
151	62.6	48.0	72.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 56.316 ug/l

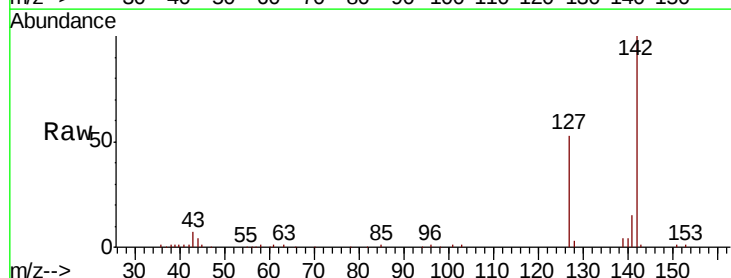
RT: 3.24 min Scan# 174

Delta R.T. 0.02 min

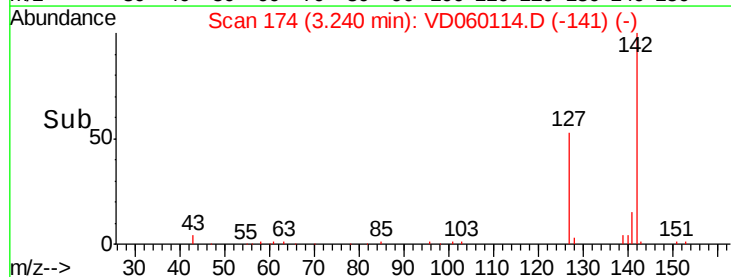
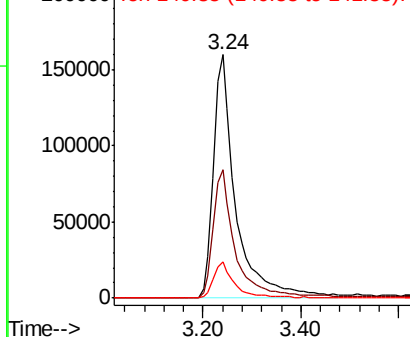
Lab File: VD060114.D

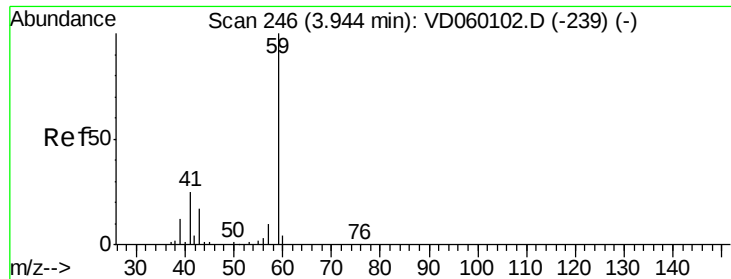
Acq: 3 Oct 2018 12:08

Tgt Ion:	142	Resp:	509960
Ion Ratio	Lower	Upper	
142	100		
127	52.6	42.0	63.0
141	14.7	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





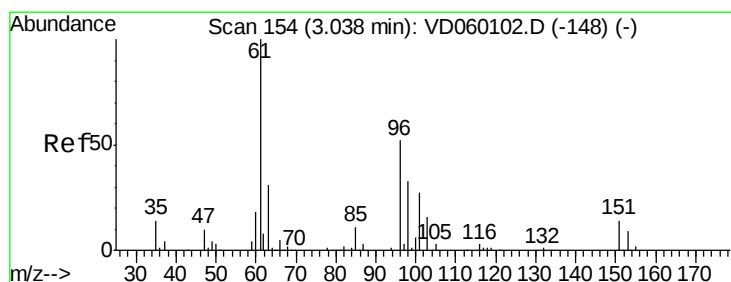
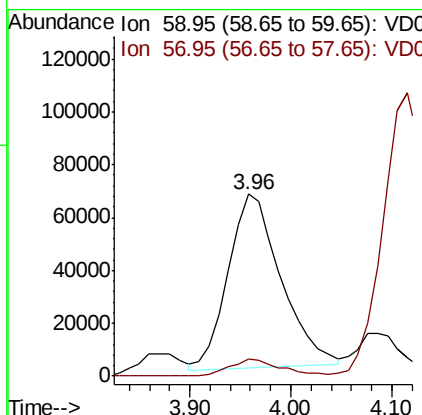
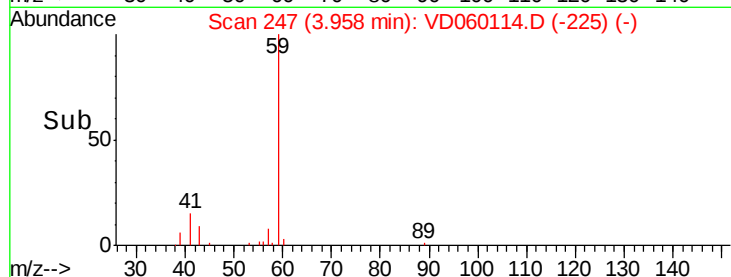
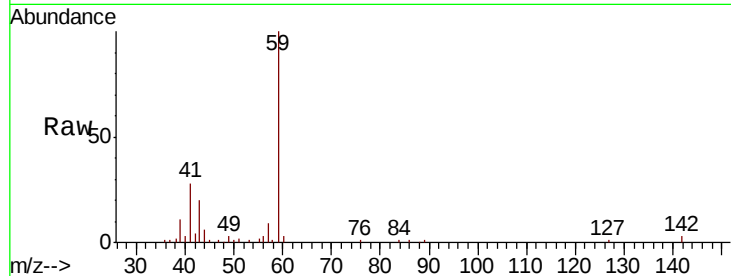
#11
Tert butyl alcohol
Concen: 266.538 ug/l
RT: 3.96 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.8	11.6

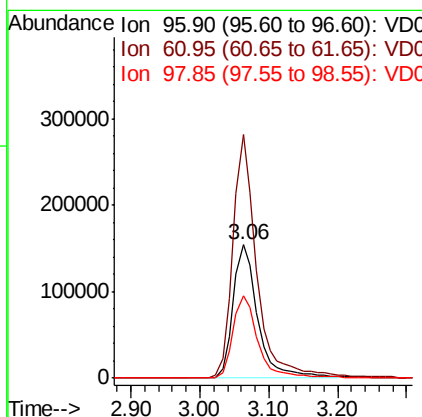
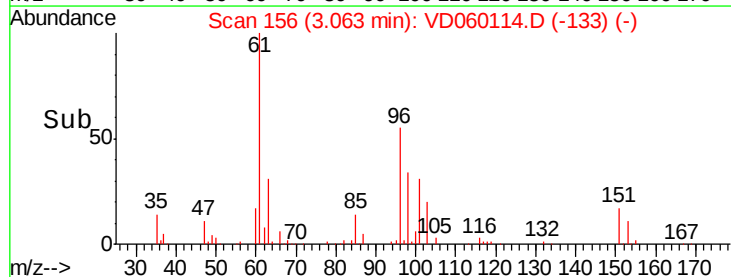
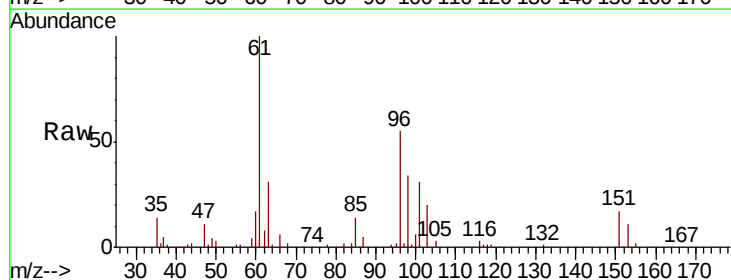
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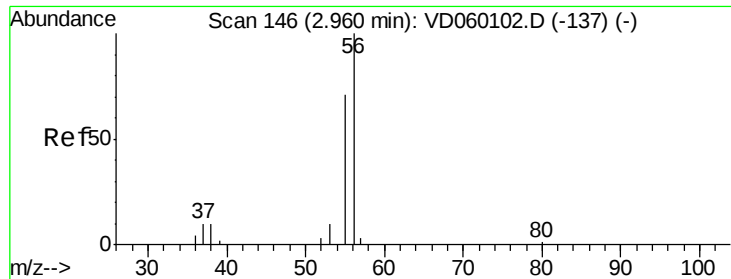
apatel
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#12
1,1-Dichloroethene
Concen: 56.968 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.1	153.0	229.4
98	62.1	51.1	76.7





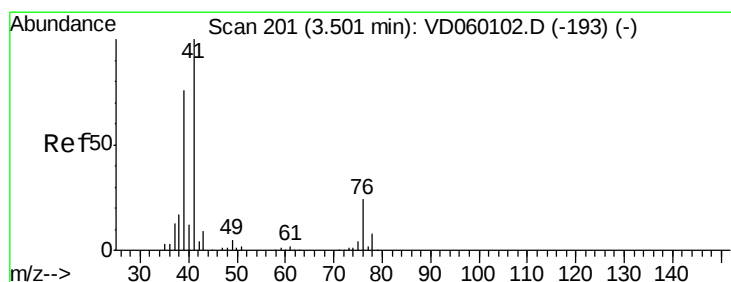
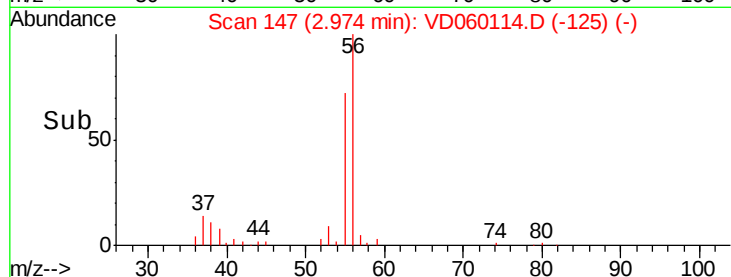
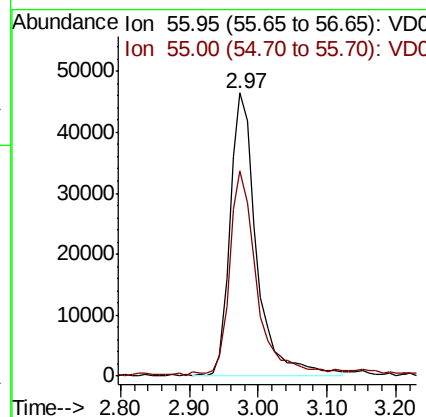
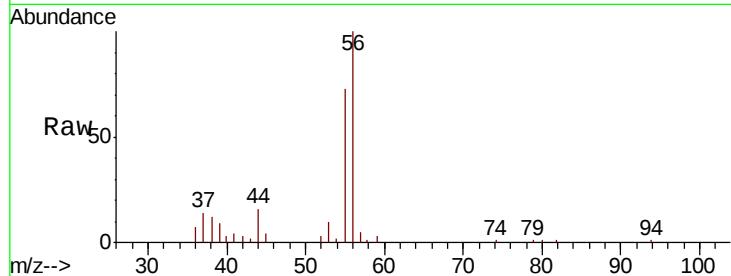
#13
Acrolein
Concen: 224.415 ug/l
RT: 2.97 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	72.7	Resp	124021	Lower	57.4	Upper	86.2
Ion											

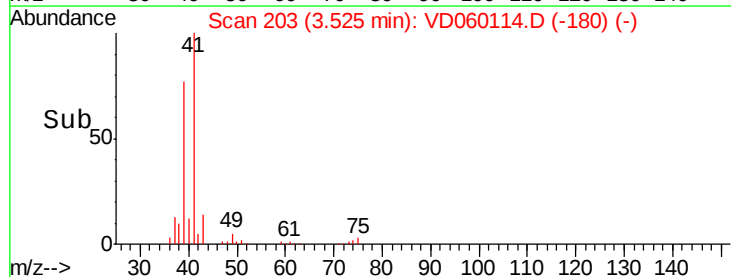
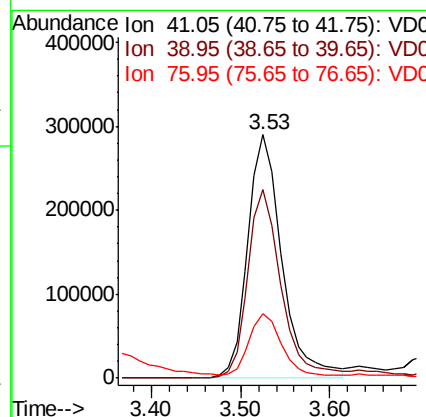
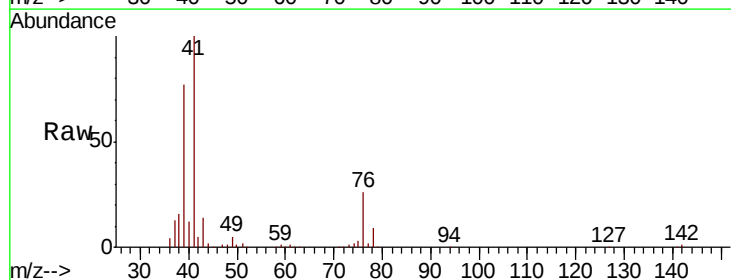
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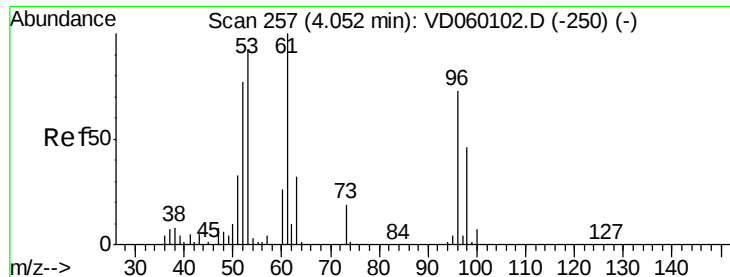
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#14
Allyl chloride
Concen: 54.979 ug/l
RT: 3.53 min Scan# 203
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	41	39	76	Ratio	100	77.3	26.4	Resp	768124	Lower	60.6	21.3	Upper	90.8	31.9
Ion															





#15

Acrylonitrile

Concen: 271.610 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1007860

Ion Ratio Lower Upper

53 100

52 85.6 67.5 101.3

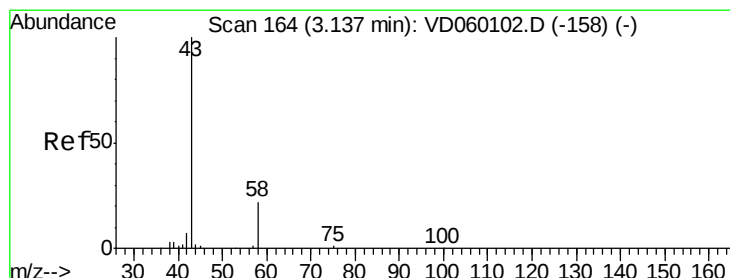
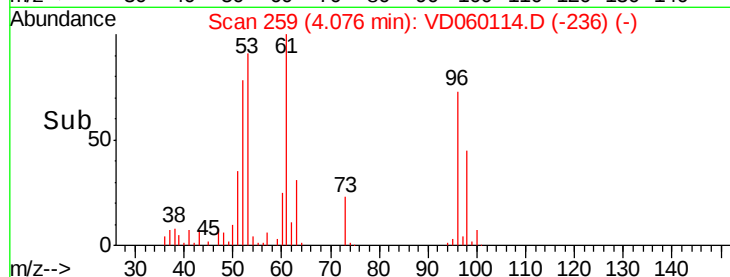
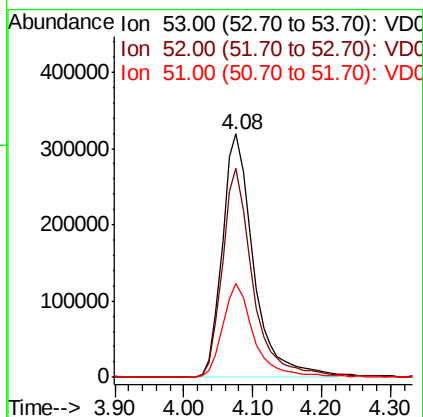
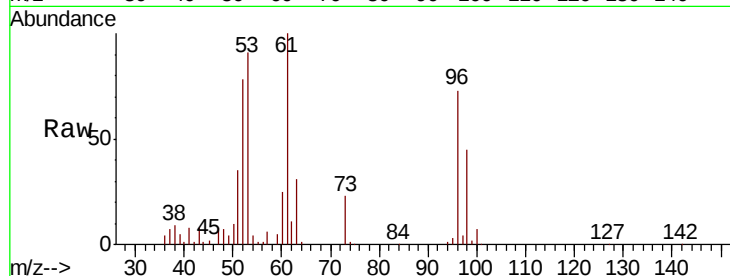
51 38.8 29.3 43.9

Manual Integrations

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#16

Acetone

Concen: 286.870 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060114.D

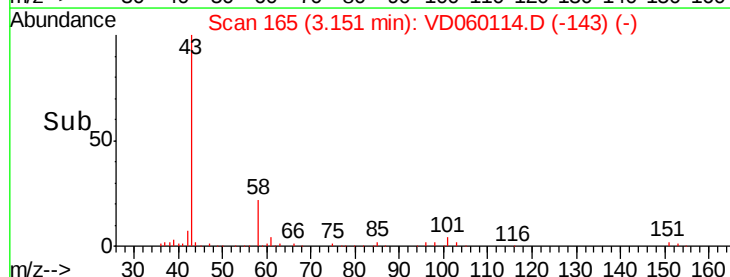
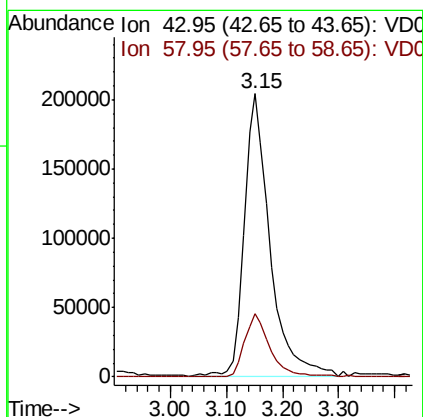
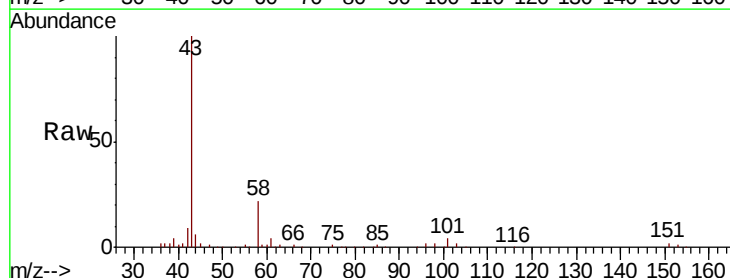
Acq: 3 Oct 2018 12:08

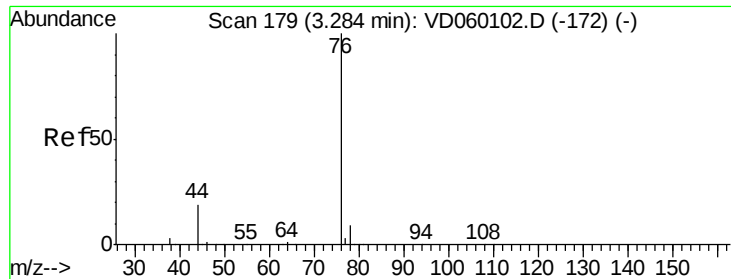
Tgt Ion: 43 Resp: 650678

Ion Ratio Lower Upper

43 100

58 22.1 17.7 26.5





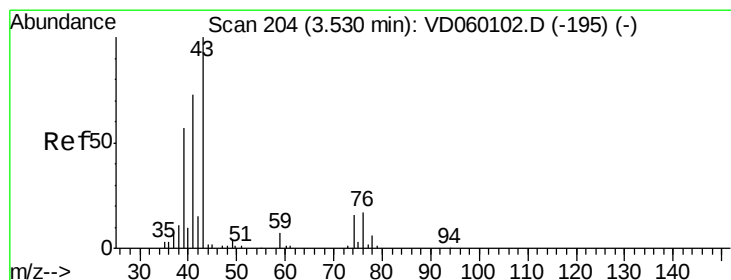
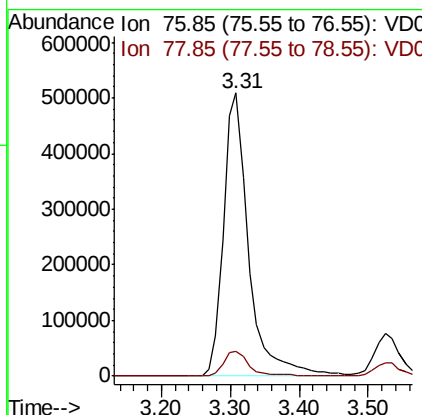
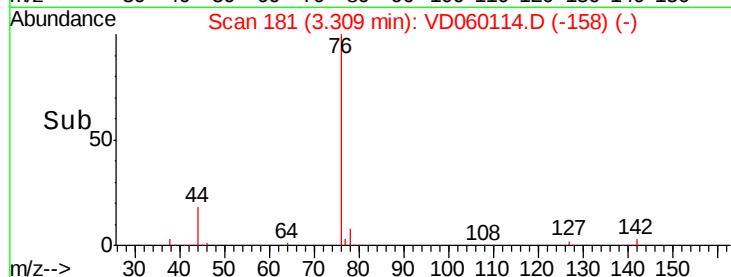
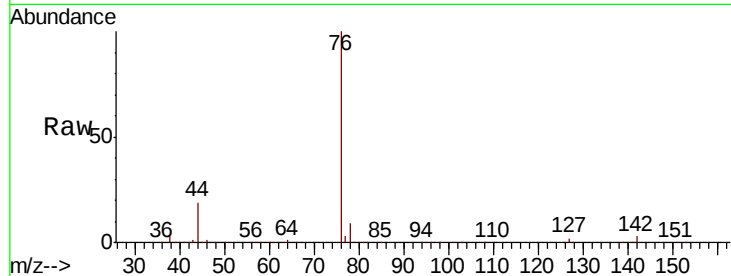
#17
Carbon Disulfide
Concen: 56.816 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1285268
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.2

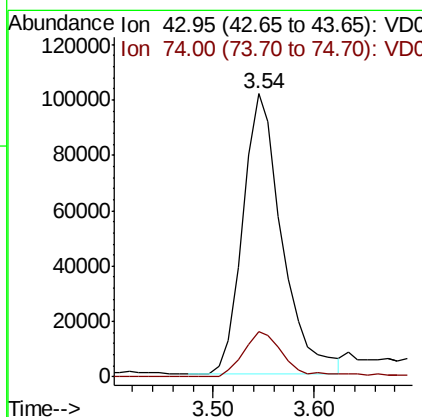
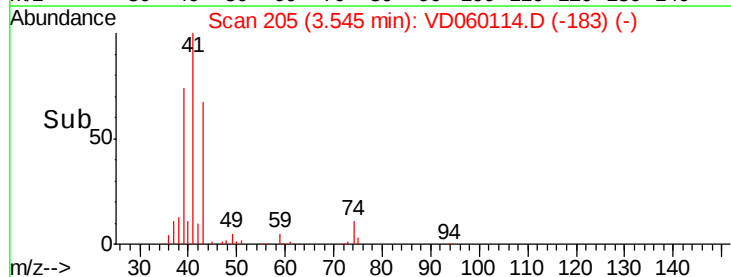
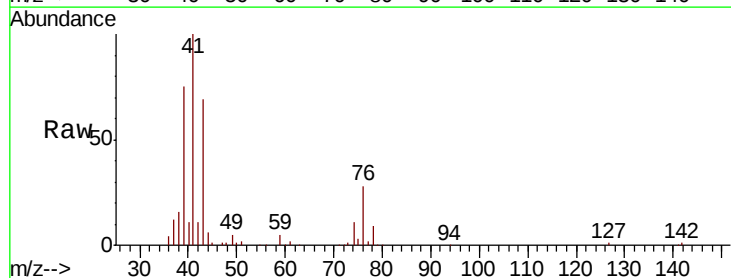
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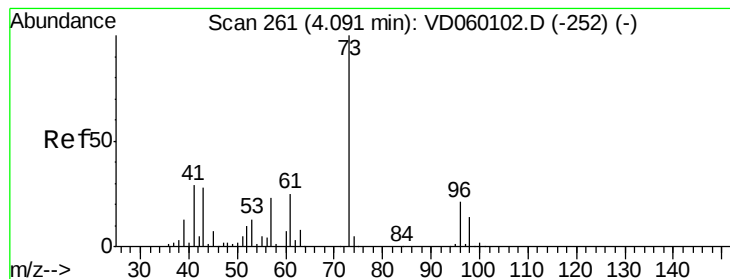
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#18
Methyl Acetate
Concen: 55.968 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 43 Resp: 272851
Ion Ratio Lower Upper
43 100
74 15.8 12.6 19.0





#19

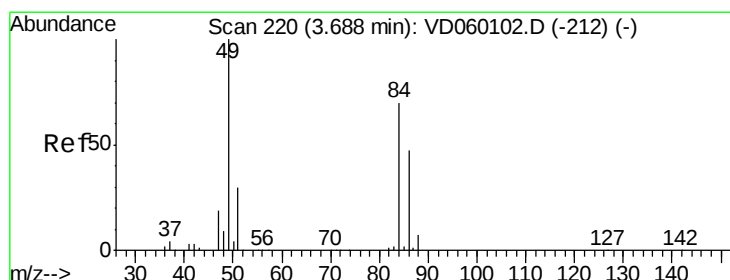
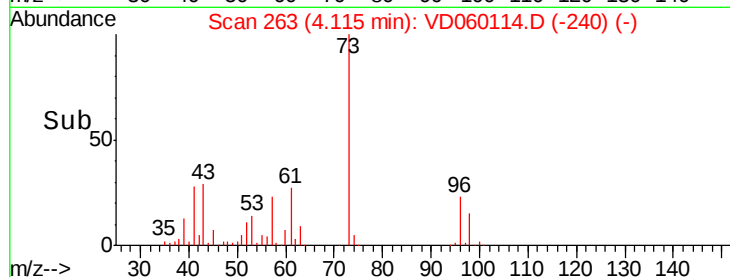
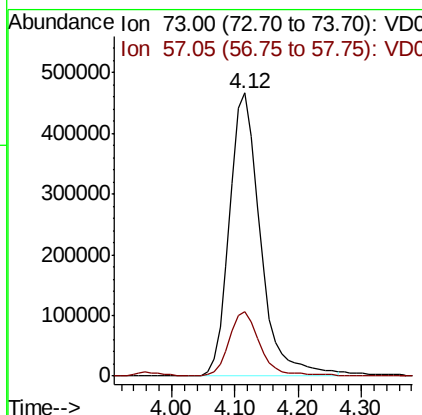
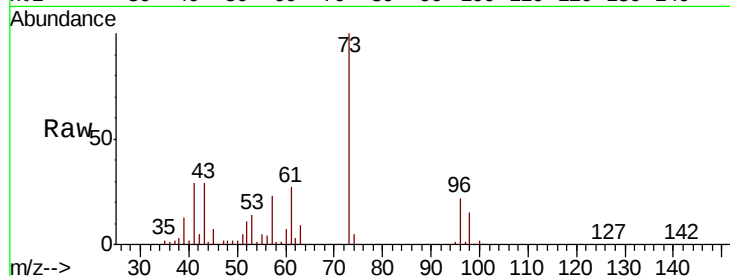
Methyl tert-butyl Ether
 Concen: 53.664 ug/l
 RT: 4.12 min Scan# 263
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1587208
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.7 28.1

Manual Integrations
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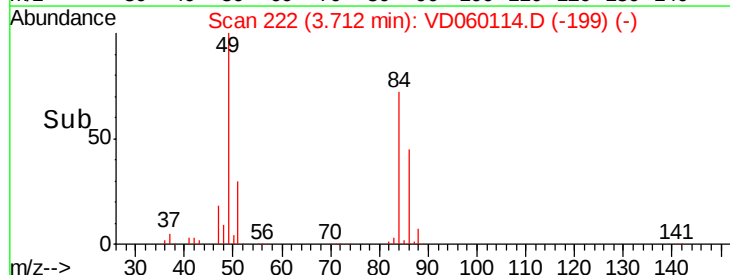
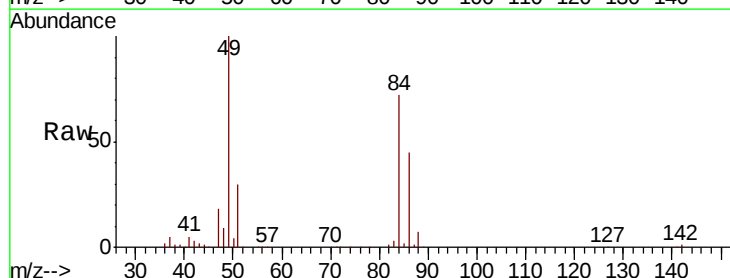
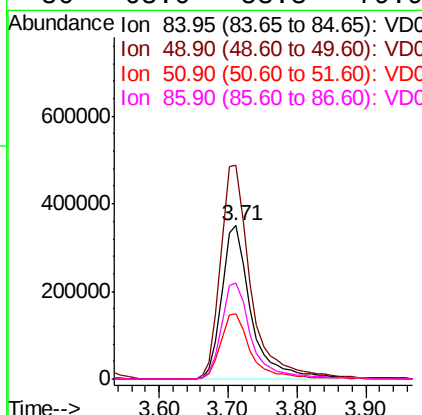
apatel
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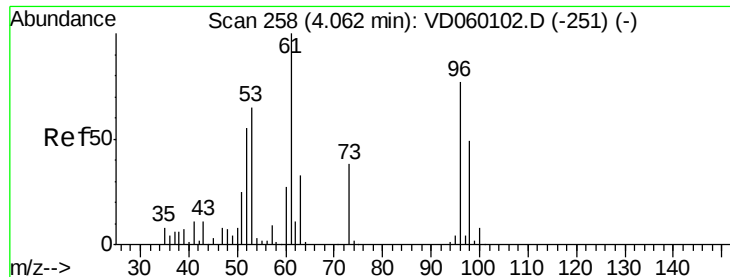


#20

Methylene Chloride
 Concen: 58.961 ug/l
 RT: 3.71 min Scan# 222
 Delta R.T. 0.03 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 84 Resp: 1038907
 Ion Ratio Lower Upper
 84 100
 49 139.5 114.6 172.0
 51 42.3 33.8 50.8
 86 63.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 52.497 ug/l

RT: 4.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 912070

Ion Ratio Lower Upper

96 100

61 131.9 103.3 154.9

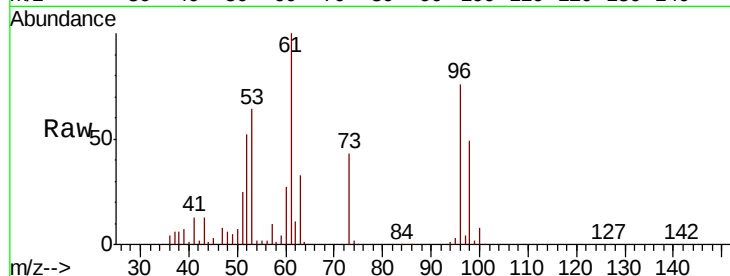
98 64.9 50.4 75.6

Manual Integrations

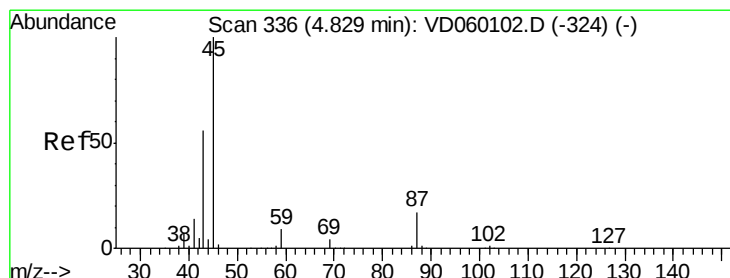
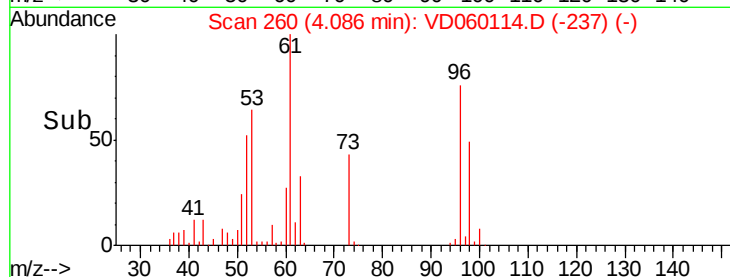
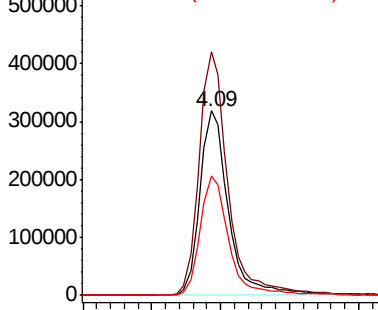
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 53.511 ug/l

RT: 4.84 min Scan# 337

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion: 45 Resp: 3338794

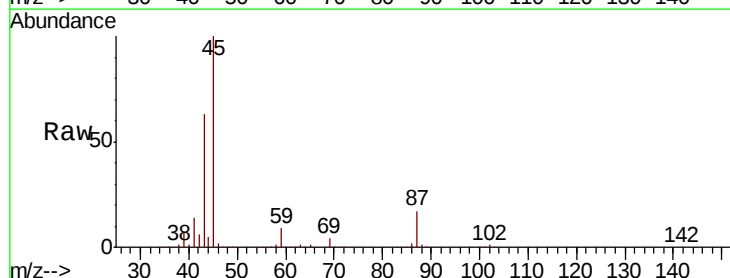
Ion Ratio Lower Upper

45 100

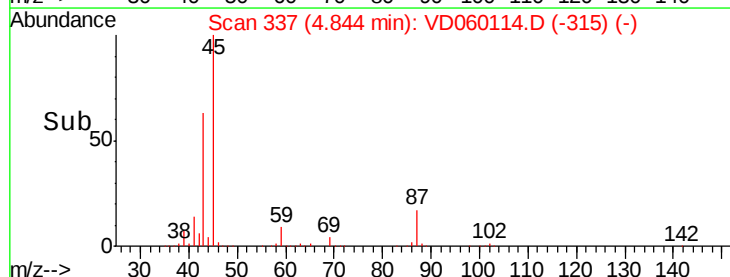
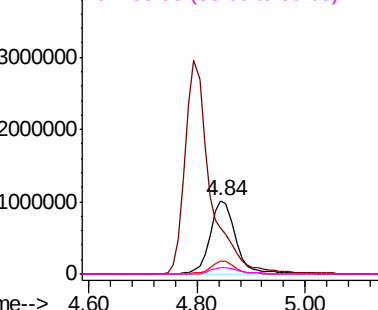
43 63.3 44.8 67.2

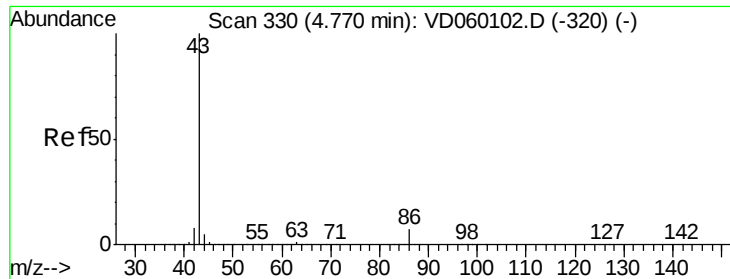
87 17.4 13.9 20.9

59 9.0 7.1 10.7



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





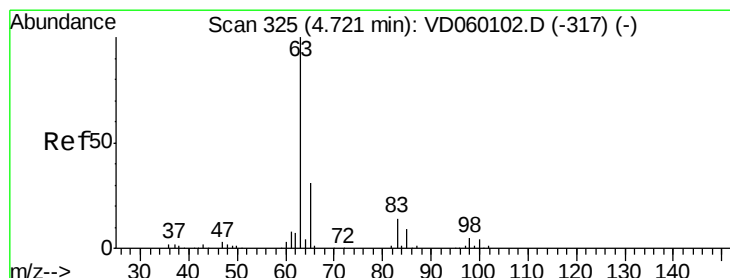
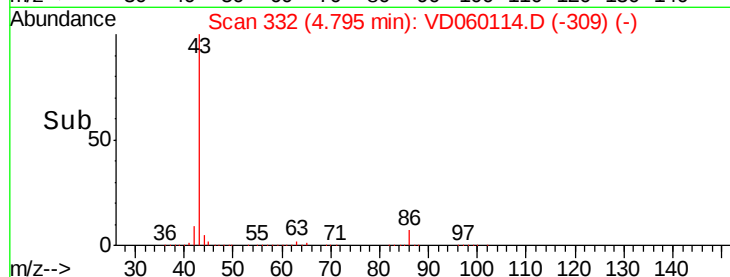
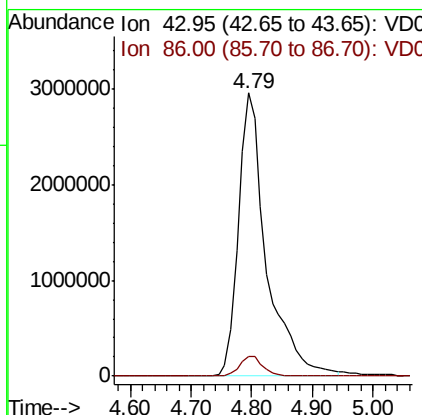
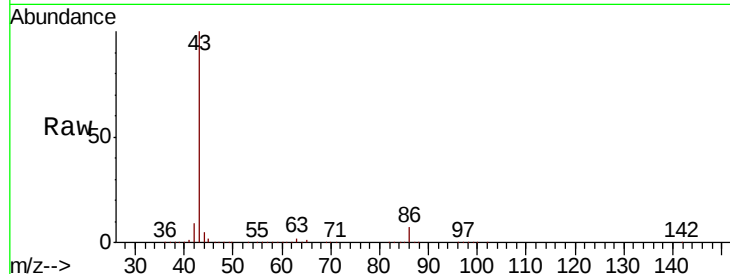
#23
 Vinyl Acetate
 Concen: 270.553 ug/l
 RT: 4.79 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 9488939
 Ion Ratio Lower Upper
 43 100
 86 7.0 5.6 8.4

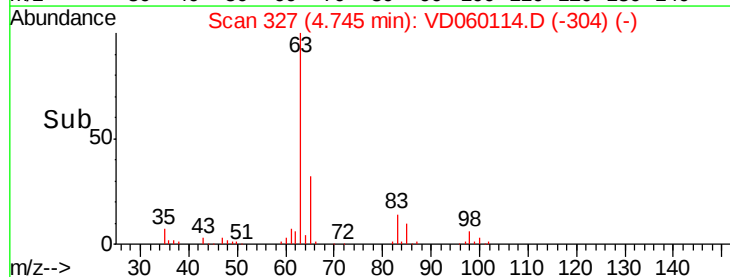
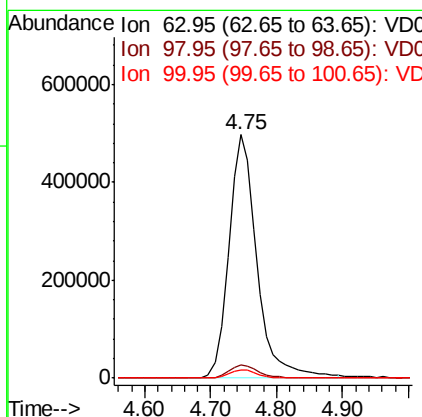
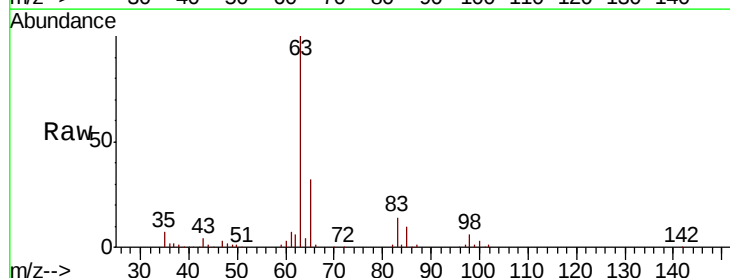
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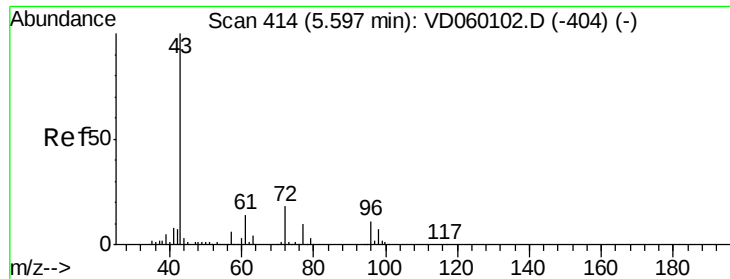
apatel
 10/4/2018 4:44:48 PM



#24
 1,1-Dichloroethane
 Concen: 52.288 ug/l
 RT: 4.75 min Scan# 327
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 63 Resp: 1479246
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.3
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 283.865 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1608524

Ion Ratio Lower Upper

43 100

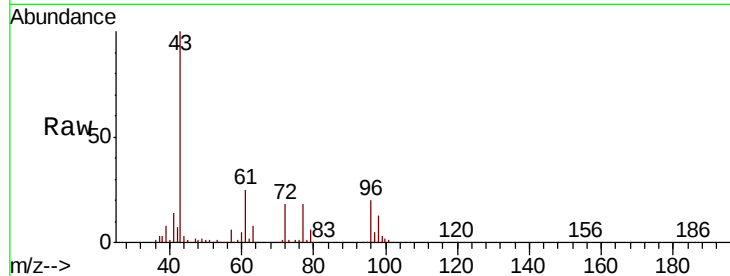
72 17.6 14.5 21.7

Manual Integrations

APPROVED

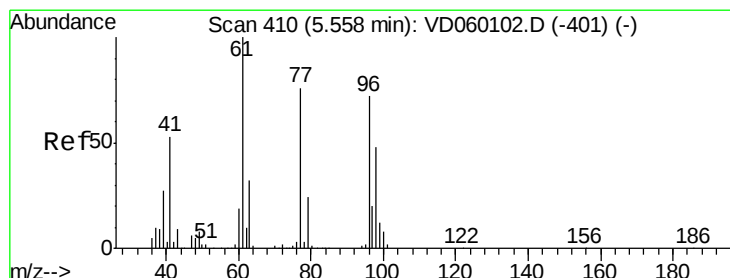
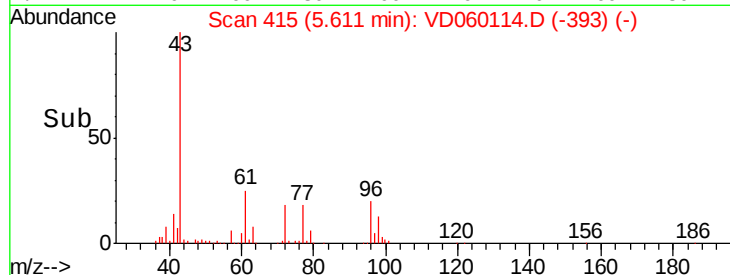
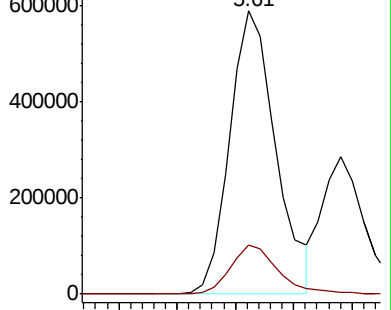
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 55.344 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.02 min

Lab File: VD060114.D

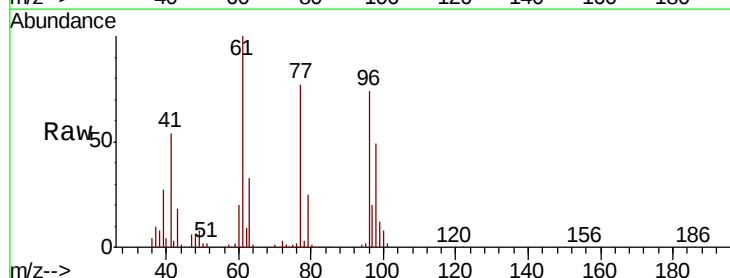
Acq: 3 Oct 2018 12:08

Tgt Ion: 77 Resp: 1186935

Ion Ratio Lower Upper

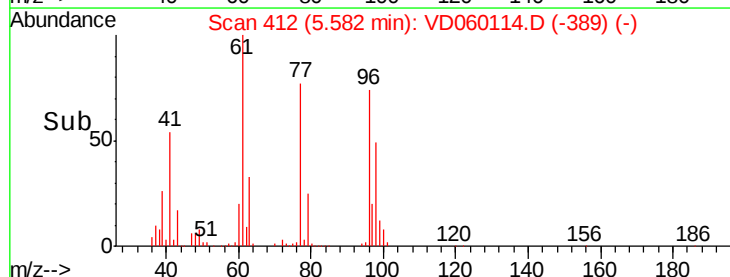
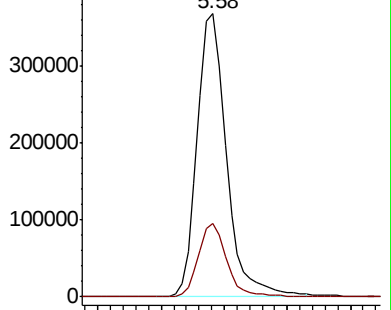
77 100

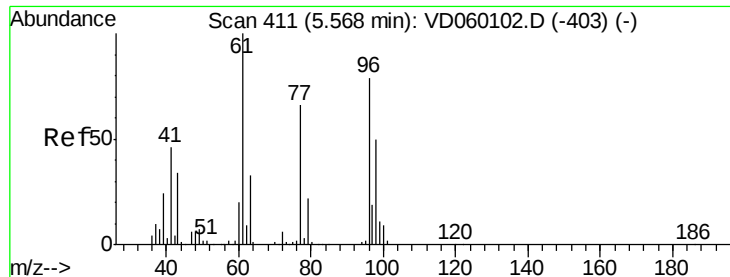
97 26.0 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

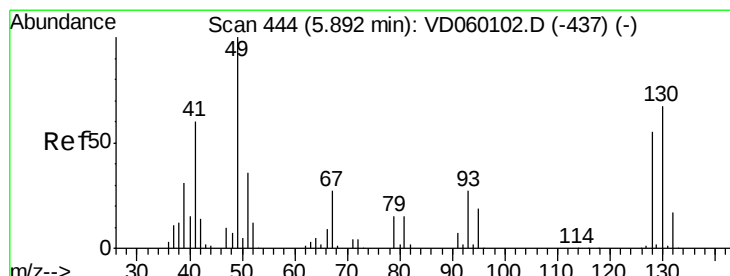
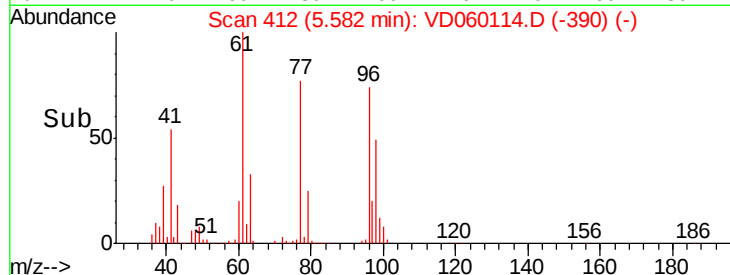
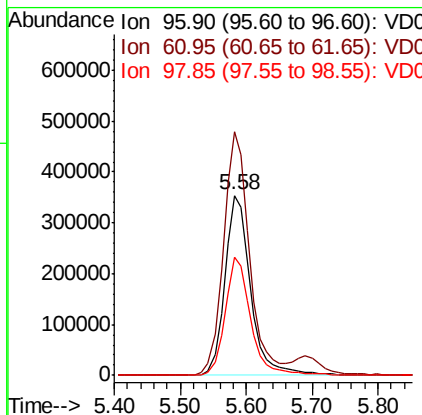
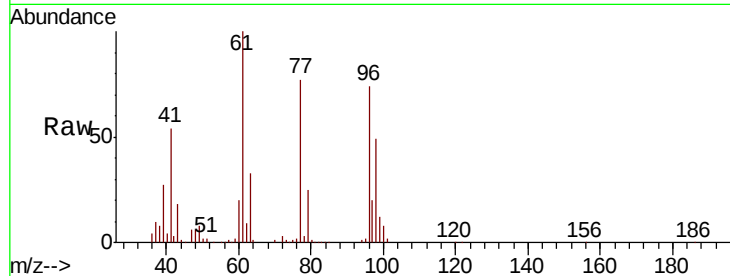
cis-1,2-Dichloroethene
Concen: 52.419 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.1	0.0	251.8	
98	65.7	0.0	125.2	

Manual Integrations
APPROVED

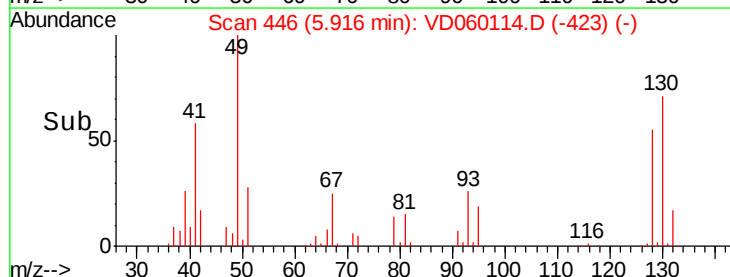
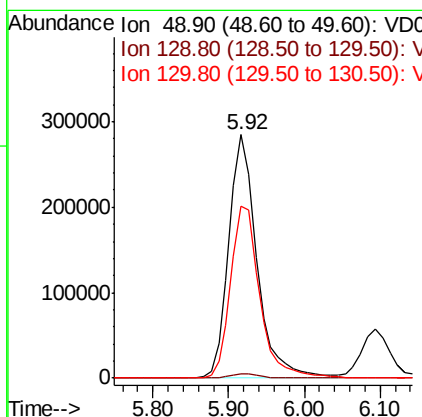
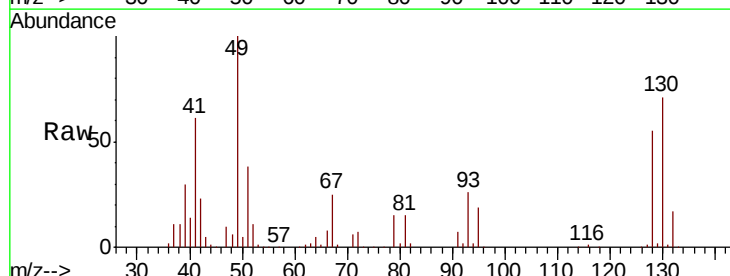
apatel
10/4/2018 4:44:48 PM

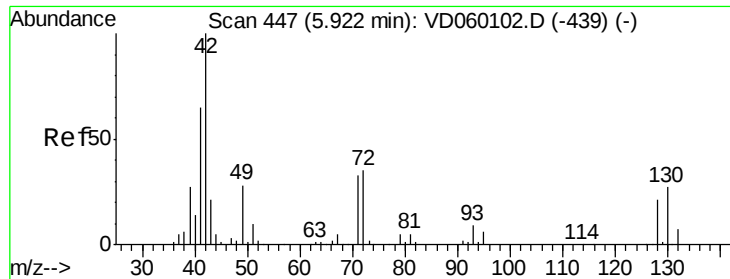


#28

Bromochloromethane
Concen: 53.262 ug/l
RT: 5.92 min Scan# 446
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	70.8	53.9	80.9	





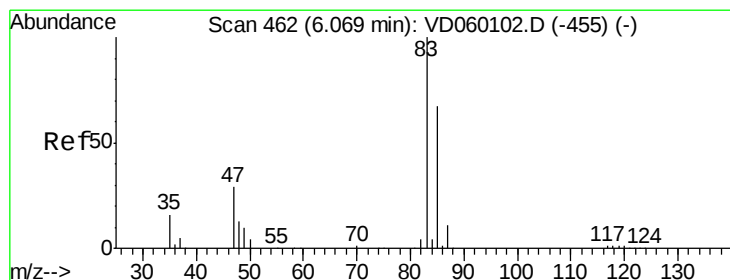
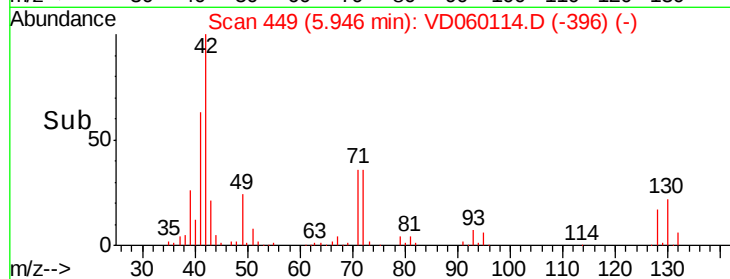
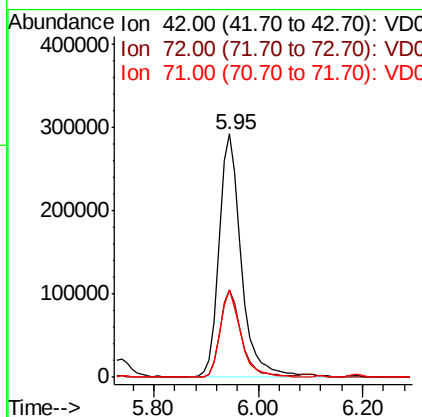
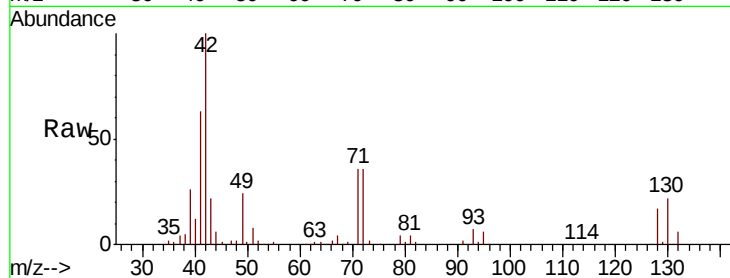
#29
Tetrahydrofuran
Concen: 260.626 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.3	26.9	40.3
71	33.5	26.7	40.1

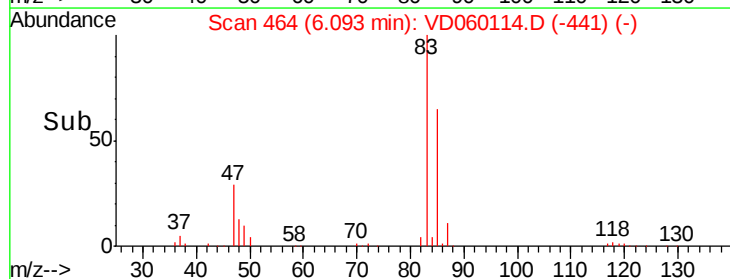
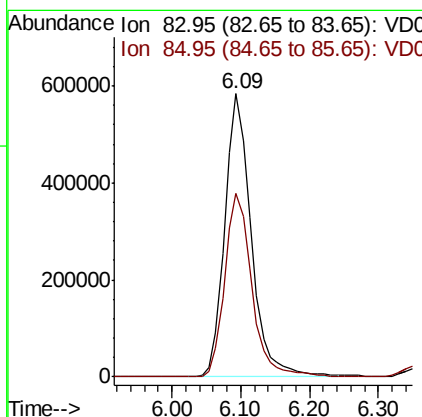
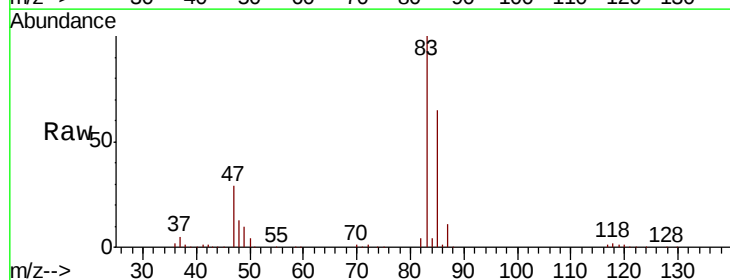
Manual Integrations
APPROVED

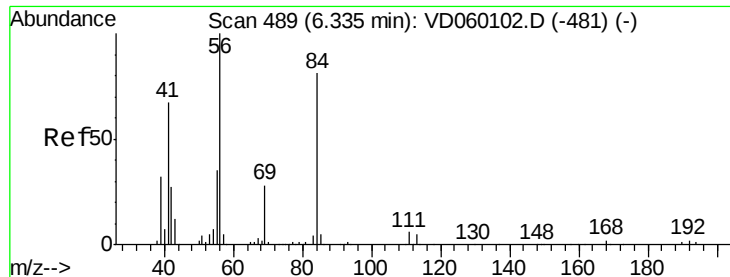
apatel
10/4/2018 4:44:48 PM



#30
Chloroform
Concen: 54.287 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.8	80.8





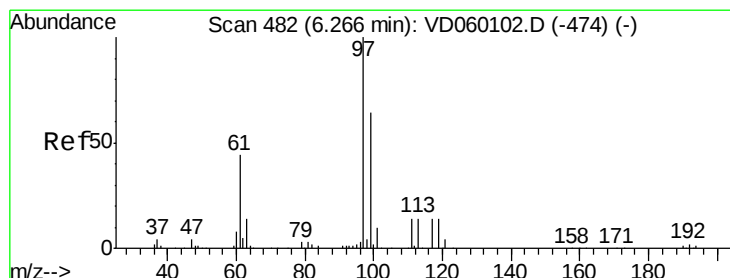
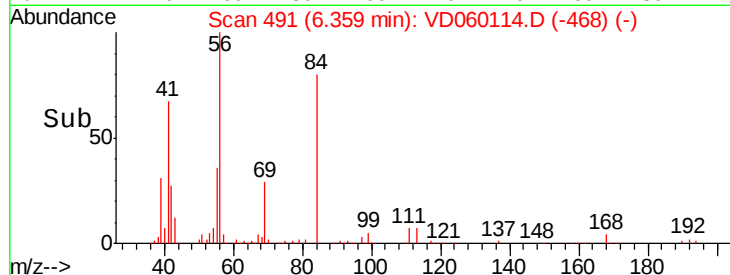
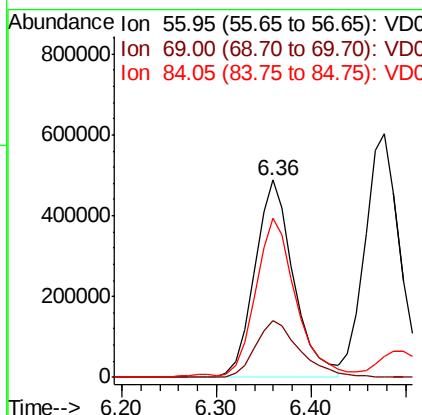
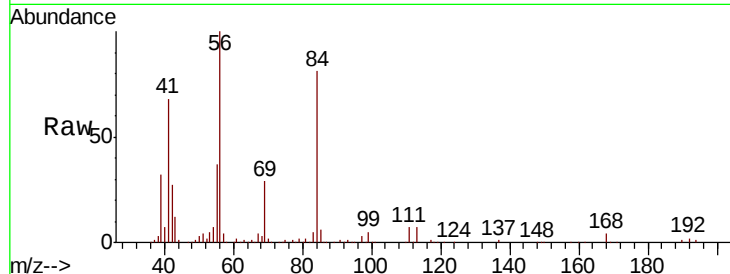
#31
Cyclohexane
Concen: 51.462 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1393659
Ion Ratio Lower Upper
56 100
69 28.9 22.8 34.2
84 80.6 64.9 97.3

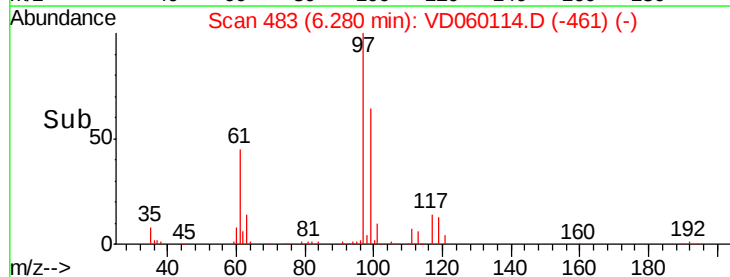
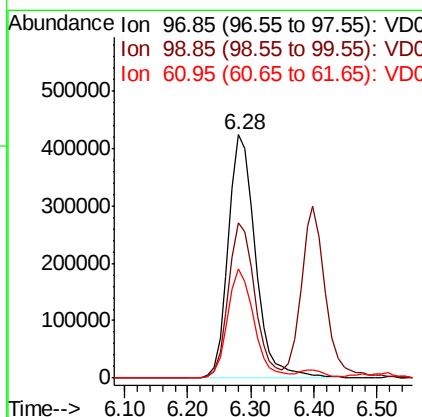
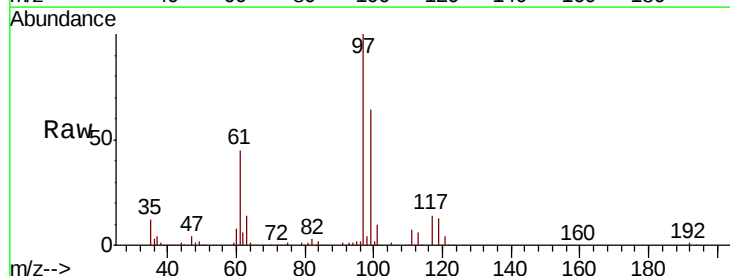
Manual Integrations
APPROVED

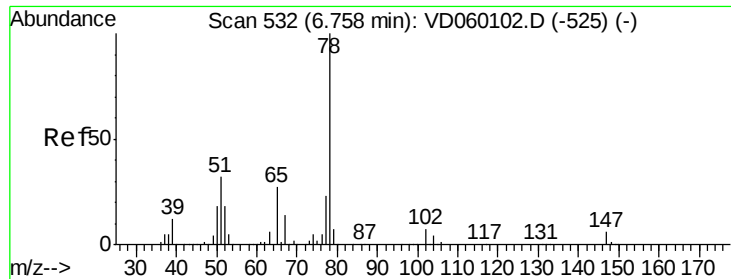
apatel
10/4/2018 4:44:48 PM



#32
1,1,1-Trichloroethane
Concen: 53.848 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 97 Resp: 1262491
Ion Ratio Lower Upper
97 100
99 64.0 51.4 77.0
61 44.6 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 53.848 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 660126

Ion Ratio Lower Upper

65 100

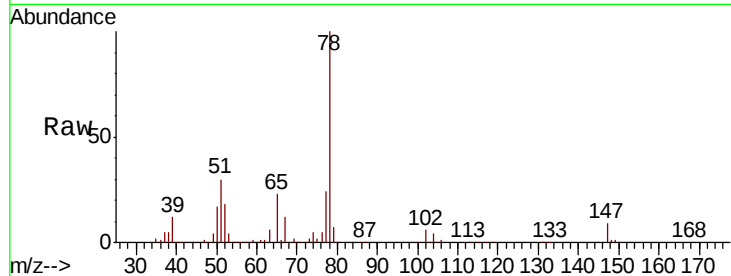
67 51.1 0.0 106.2

Manual Integrations

APPROVED

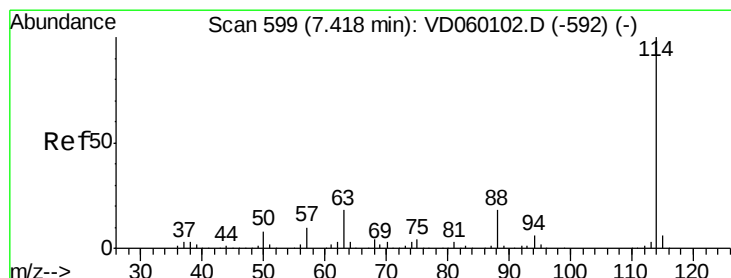
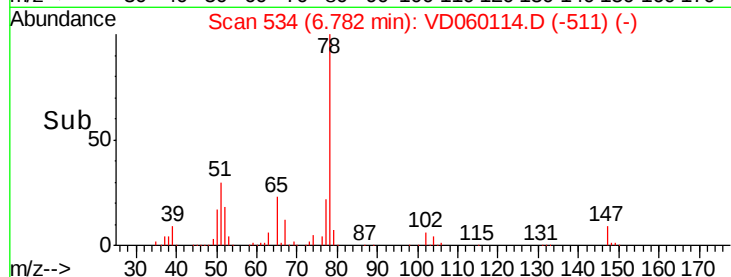
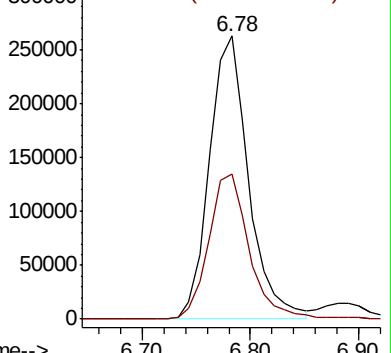
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

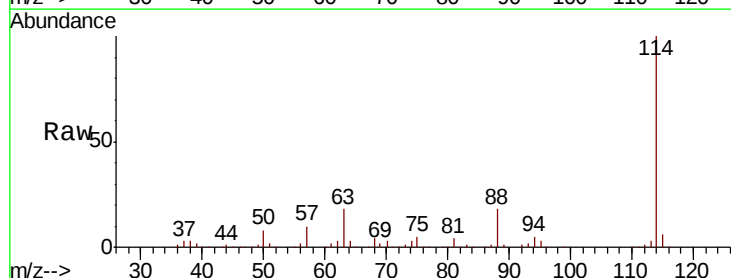
Tgt Ion: 114 Resp: 2267681

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.0

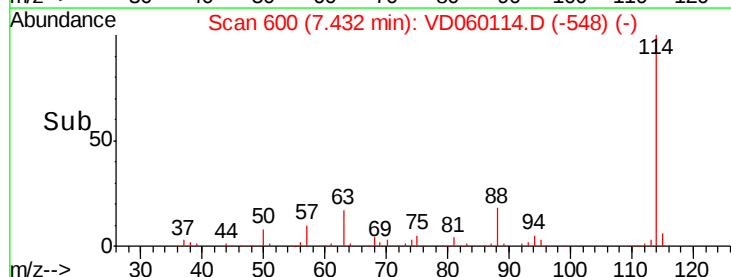
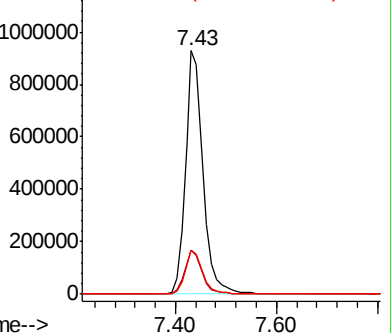
88 18.1 0.0 36.2

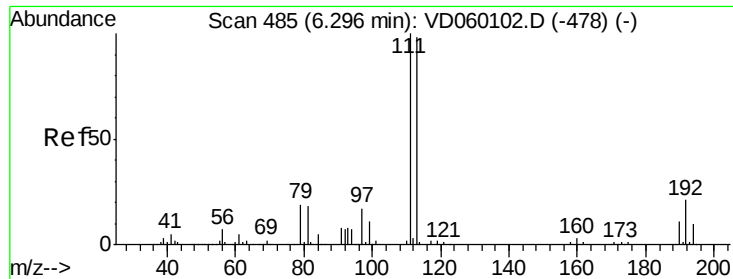


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





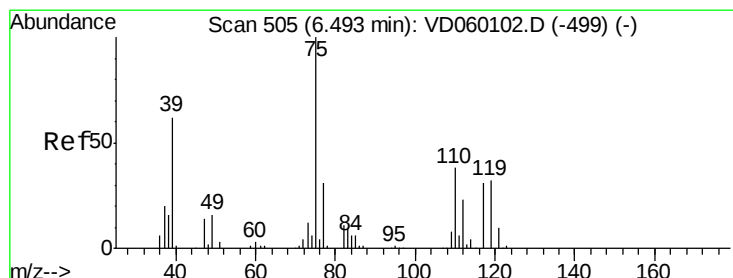
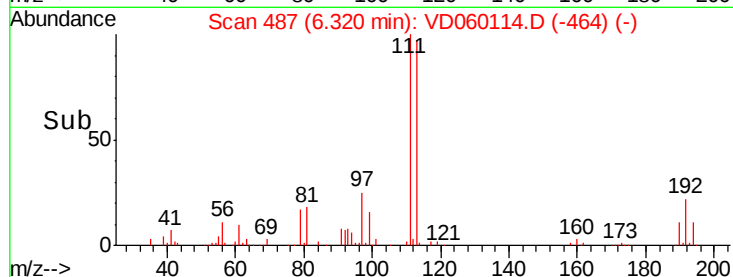
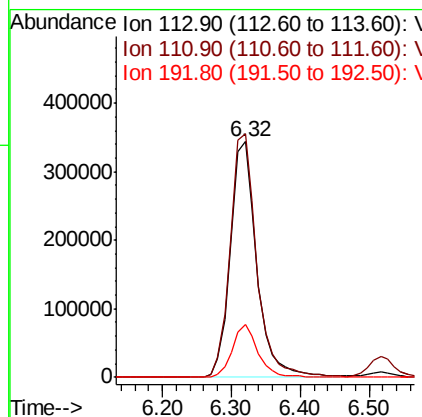
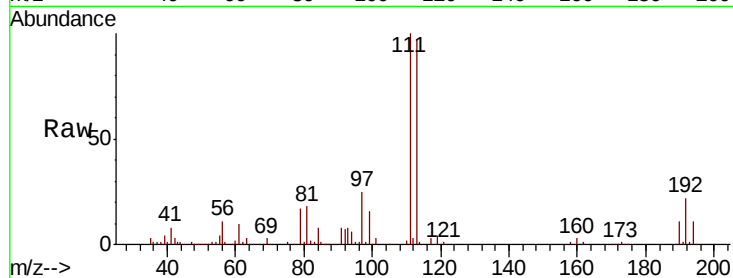
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 487
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.5	122.3
192	22.3	17.4	26.0

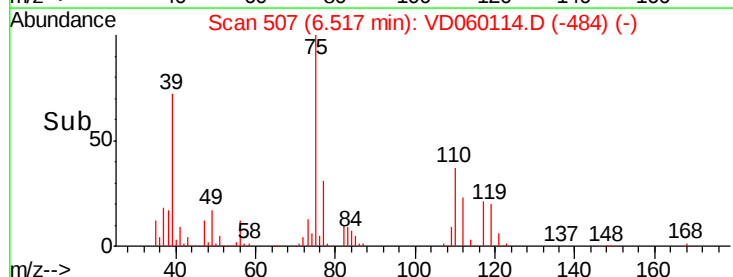
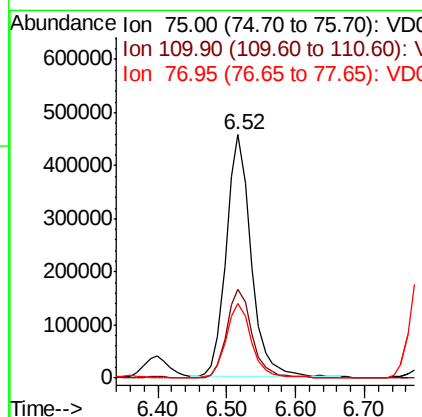
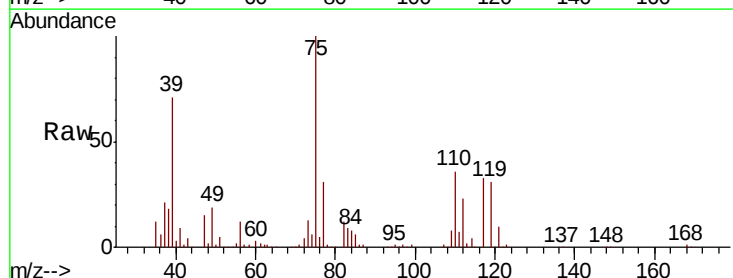
Manual Integrations
APPROVED

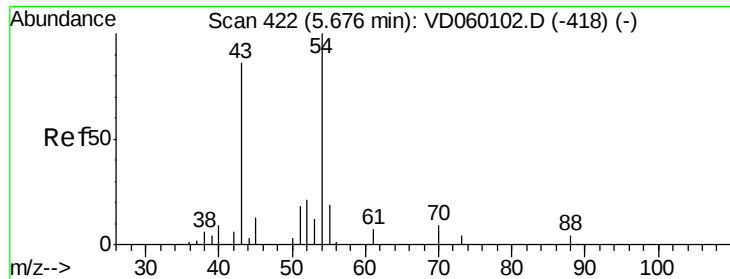
apatel
10/4/2018 4:44:48 PM



#36
1,1-Dichloropropene
Concen: 52.855 ug/l
RT: 6.52 min Scan# 507
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	19.0	57.0
77	30.9	24.9	37.3





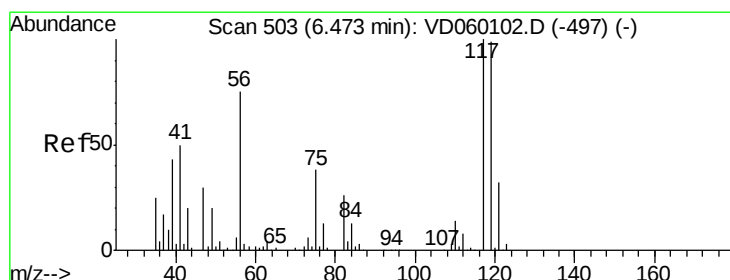
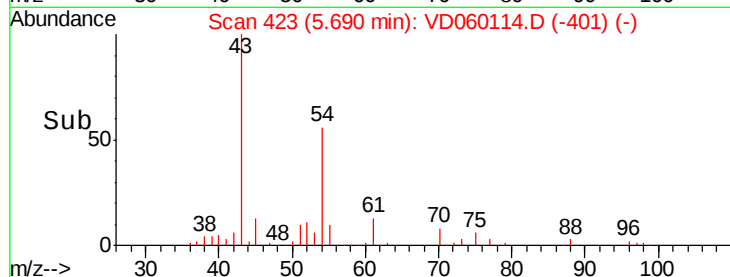
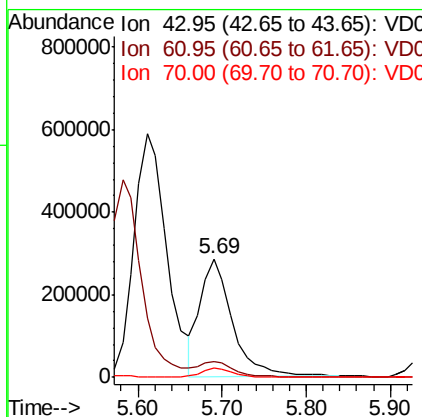
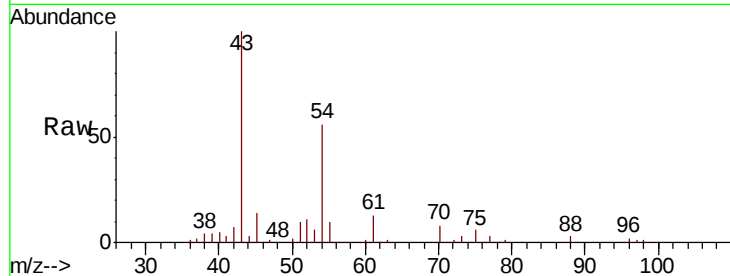
#37
Ethyl Acetate
Concen: 52.142 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	7.9	6.3	9.5

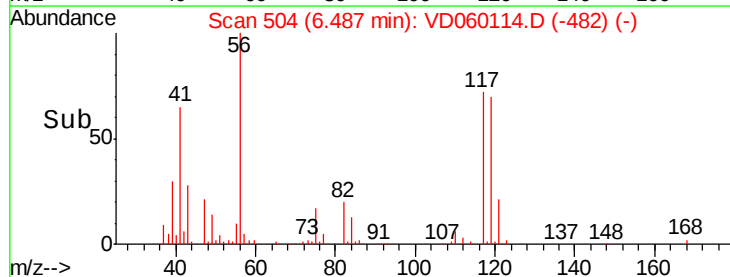
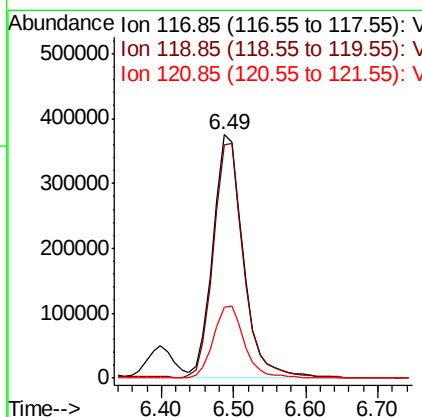
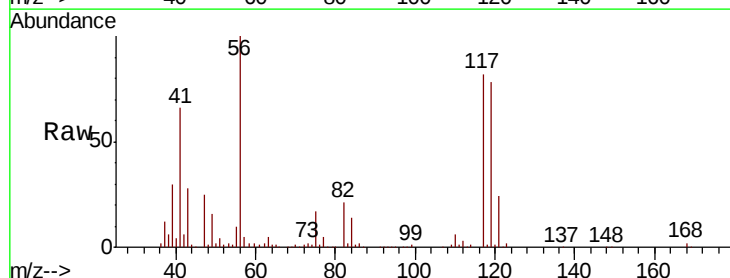
Manual Integrations
APPROVED

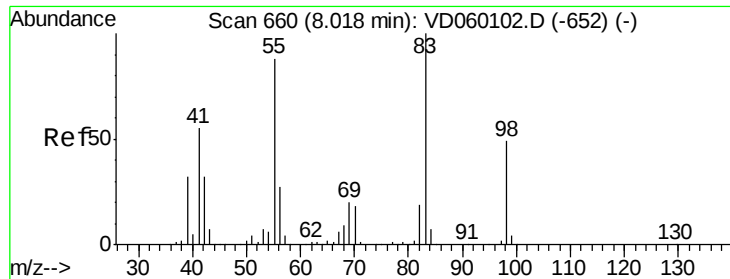
apatel
10/4/2018 4:44:48 PM



#38
Carbon Tetrachloride
Concen: 54.735 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.8	116.6
121	29.2	24.8	37.2





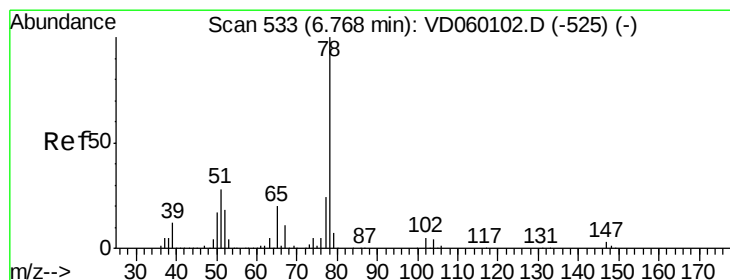
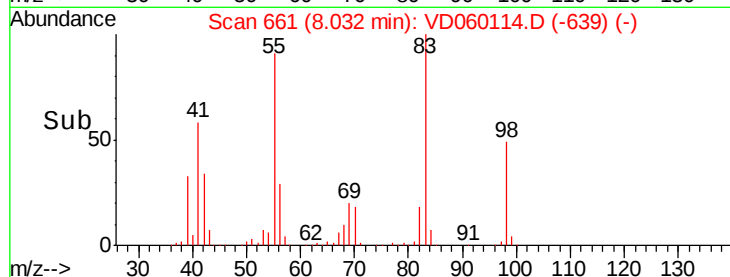
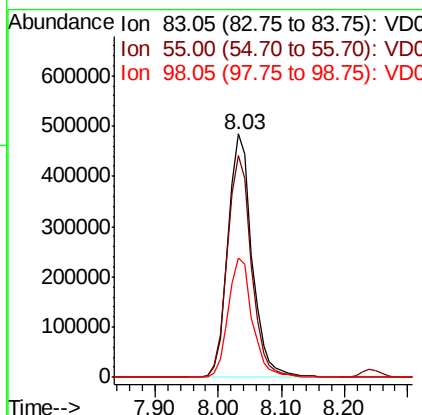
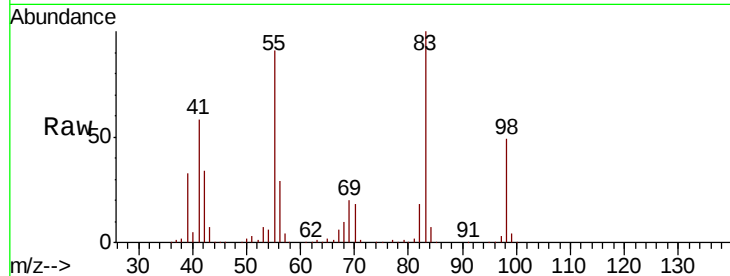
#39
Methvlcvclohexane
Concen: 51.888 ug/l
RT: 8.03 min Scan# 661
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1277547
Ion Ratio Lower Upper
83 100
55 91.2 70.5 105.7
98 48.9 39.4 59.2

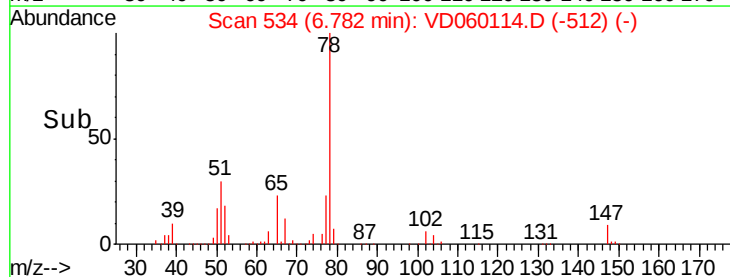
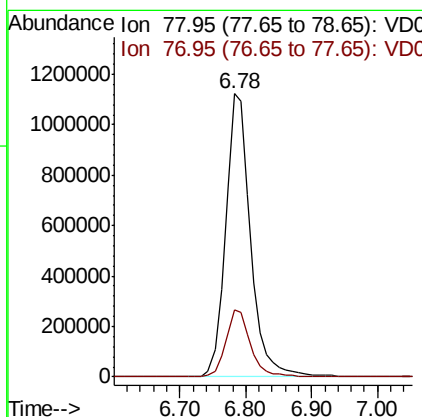
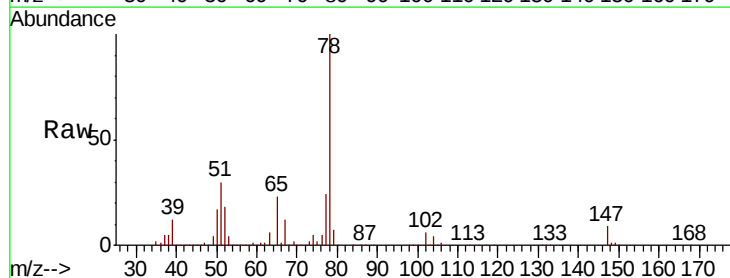
Manual Integrations
APPROVED

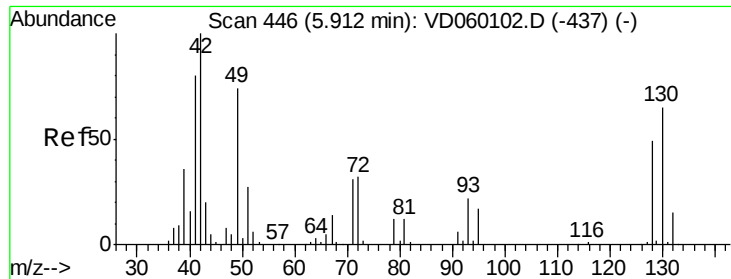
apatel
10/4/2018 4:44:48 PM



#40
Benzene
Concen: 52.225 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 78 Resp: 2960703
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





#41

Methacrylonitrile

Concen: 52.095 ug/l m

RT: 5.92 min Scan# 446

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 423528

Ion Ratio Lower Upper

41 100

39 49.0 36.0 54.0

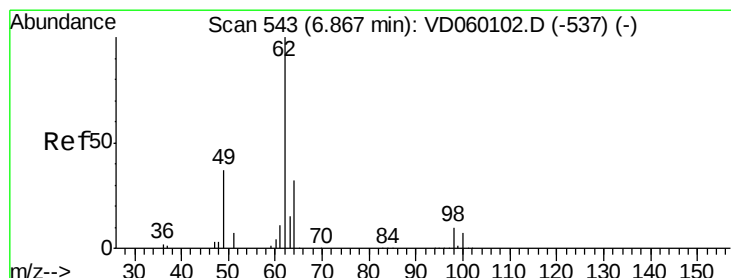
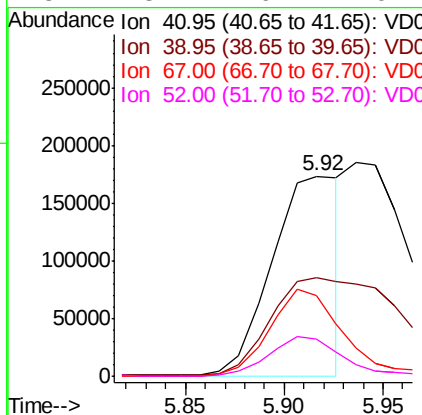
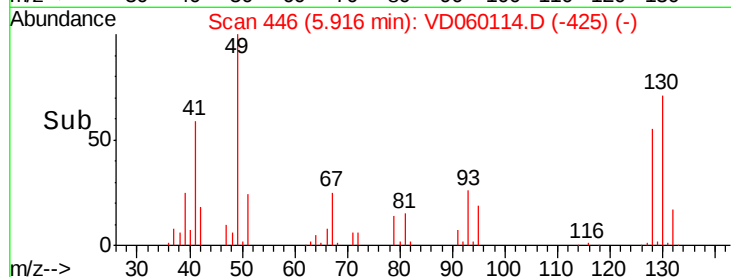
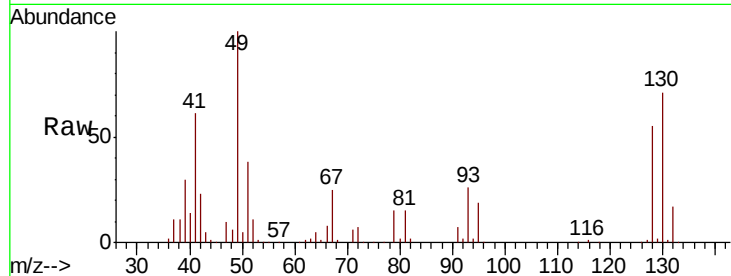
67 40.4 13.9 20.9#

52 18.7 6.1 9.1#

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#42

1,2-Dichloroethane

Concen: 52.364 ug/l

RT: 6.89 min Scan# 545

Delta R.T. 0.02 min

Lab File: VD060114.D

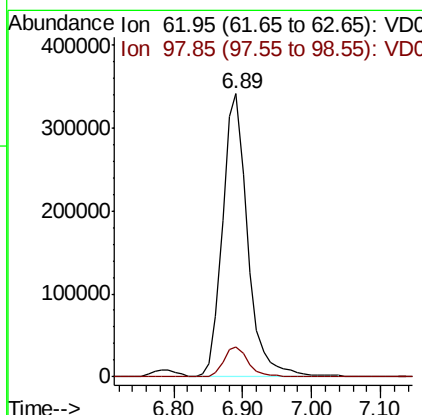
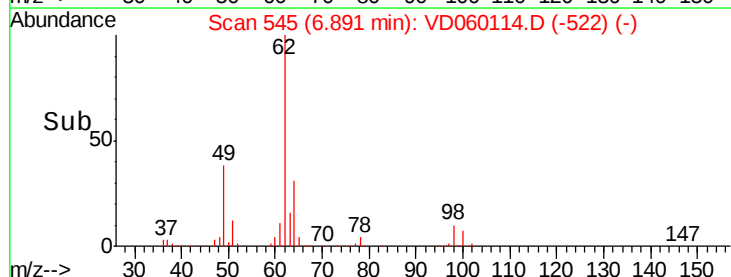
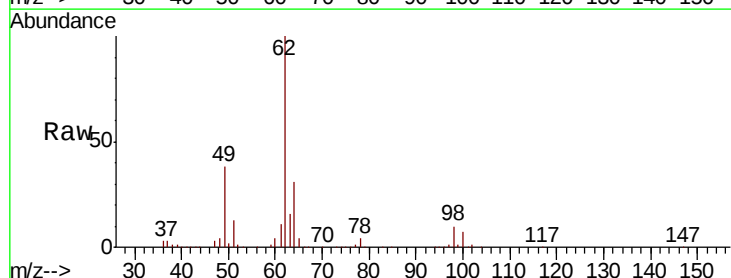
Acq: 3 Oct 2018 12:08

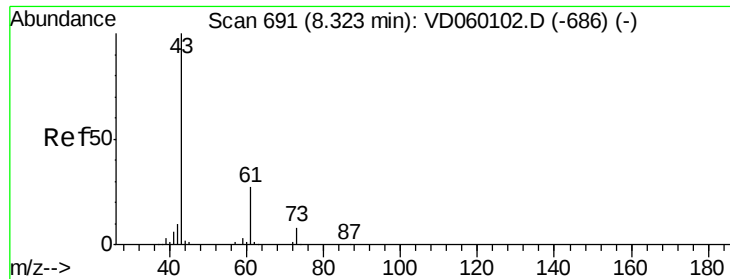
Tgt Ion: 62 Resp: 851091

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.6





#43

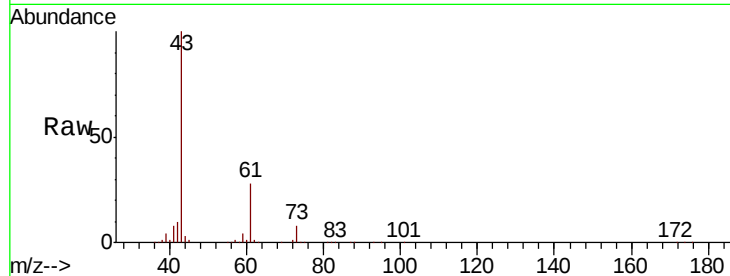
Isopropyl Acetate
 Concen: 53.627 ug/l
 RT: 8.35 min Scan# 693
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

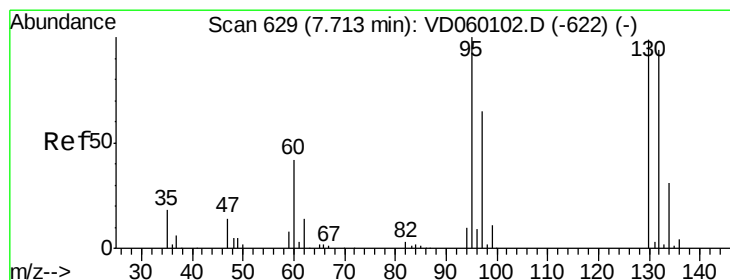
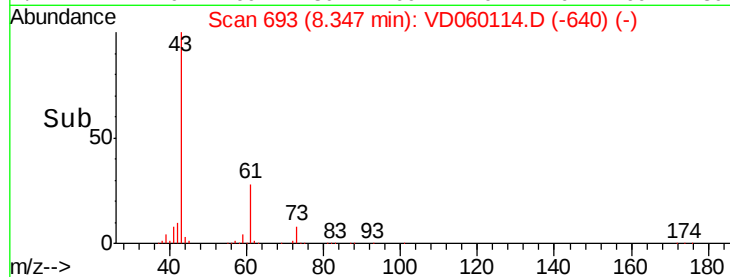
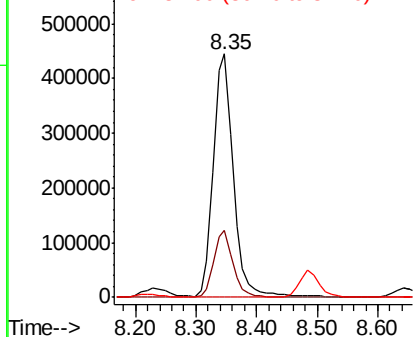
Tot Ion: 43 Resp: 1014779
 Ion Ratio Lower Upper
 43 100
 61 27.8 21.4 32.2
 87 0.2 0.2 0.2

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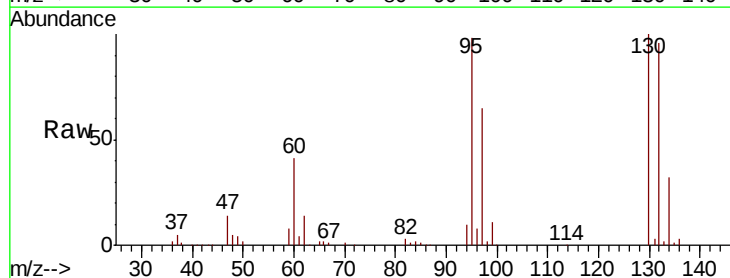
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



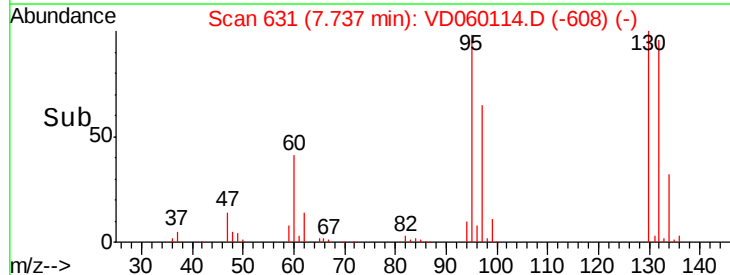
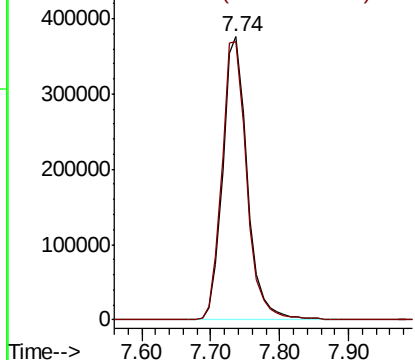
#44

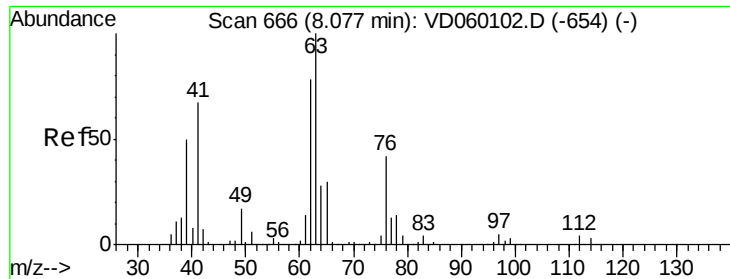
Trichloroethene
 Concen: 52.614 ug/l
 RT: 7.74 min Scan# 631
 Delta R.T. 0.02 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 130 Resp: 923339
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 202.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





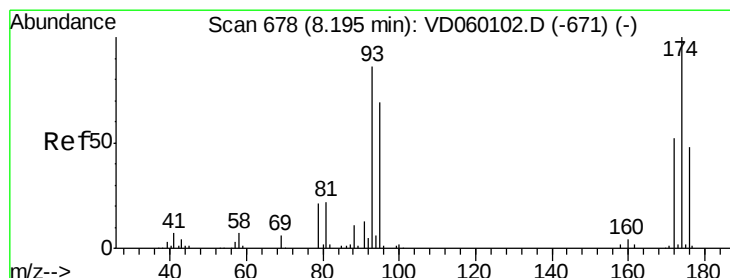
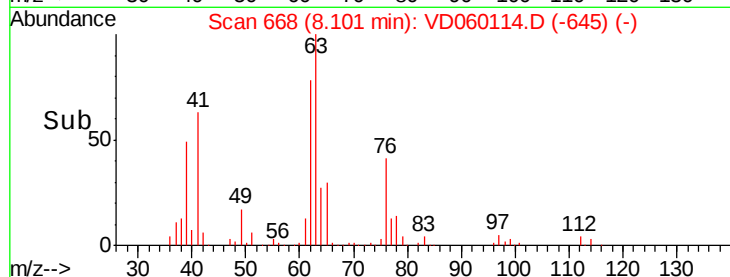
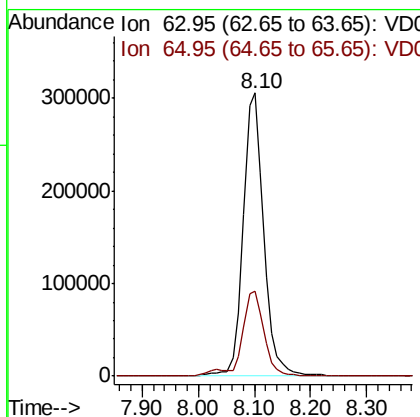
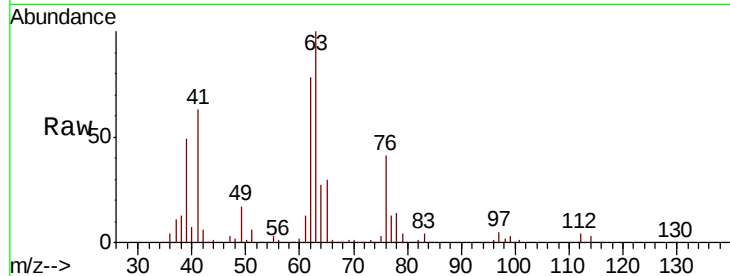
#45
1,2-Dichloropropane
Concen: 52.184 ug/l
RT: 8.10 min Scan# 668
Delta R.T. 0.02 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 774630
Ion Ratio Lower Upper
63 100
65 30.1 24.1 36.1

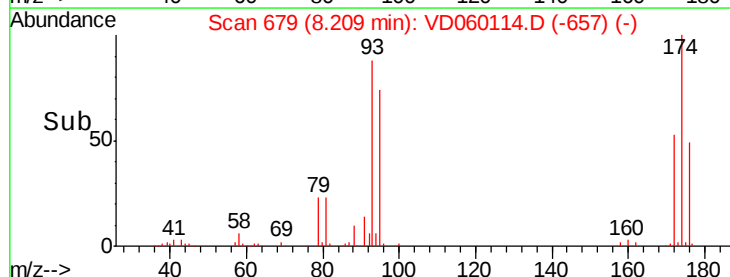
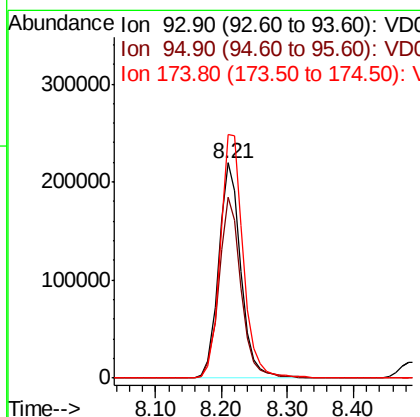
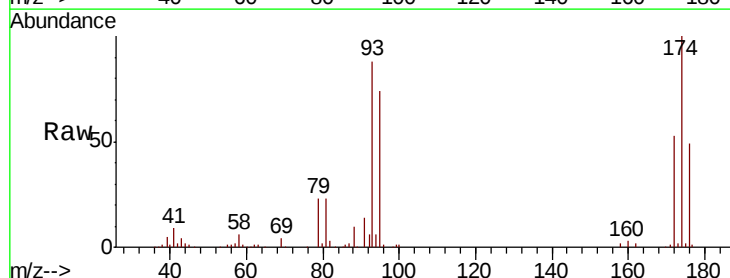
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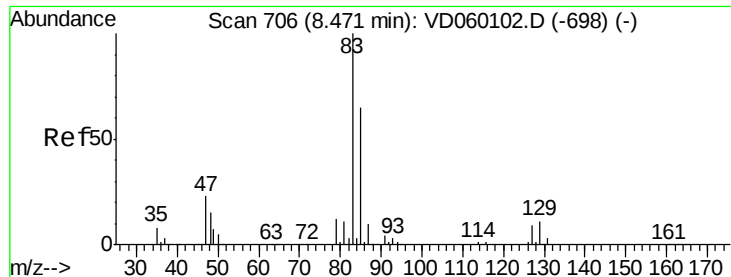
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#46
Dibromomethane
Concen: 53.415 ug/l
RT: 8.21 min Scan# 679
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 93 Resp: 513339
Ion Ratio Lower Upper
93 100
95 84.1 63.8 95.6
174 113.1 92.9 139.3





#47

Bromodichloromethane

Concen: 54.348 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1112890

Ion Ratio Lower Upper

83 100

85 65.1 52.2 78.2

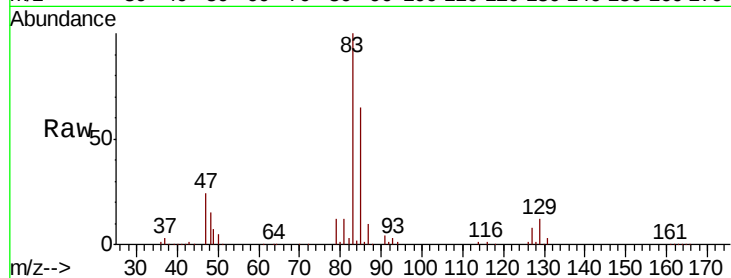
127 8.4 7.4 11.0

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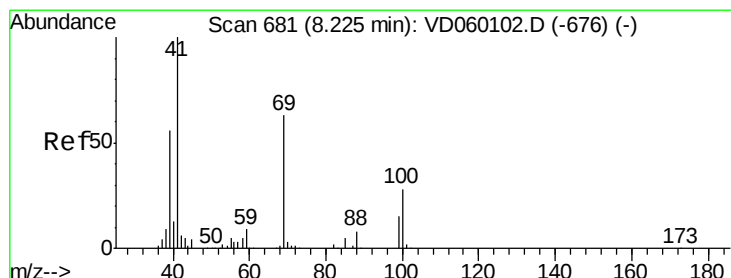
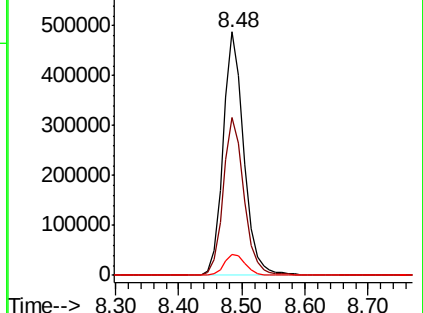
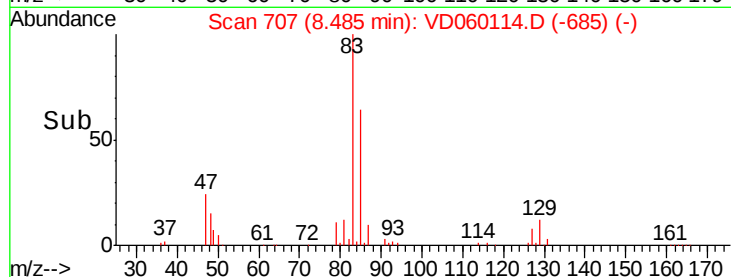
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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 55.091 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

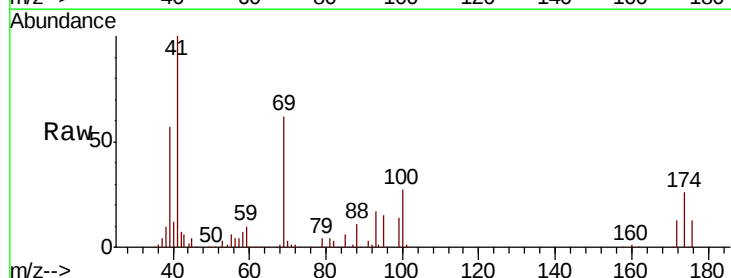
Tgt Ion: 41 Resp: 593822

Ion Ratio Lower Upper

41 100

69 62.3 49.7 74.5

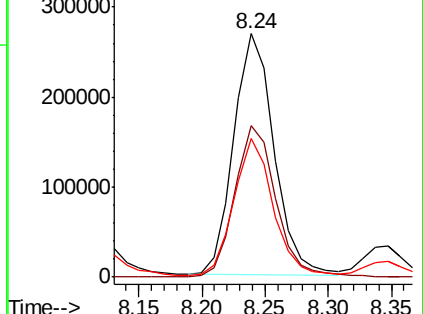
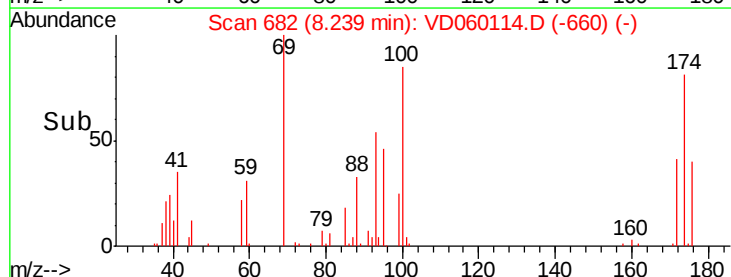
39 57.1 45.2 67.8

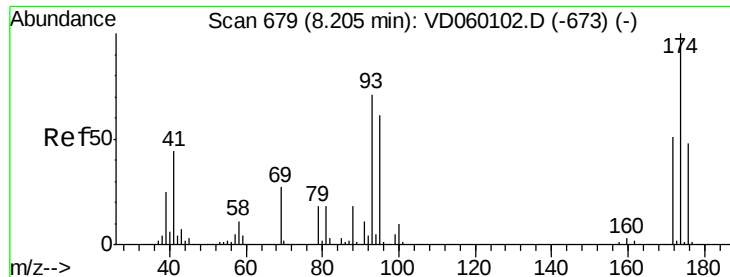


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





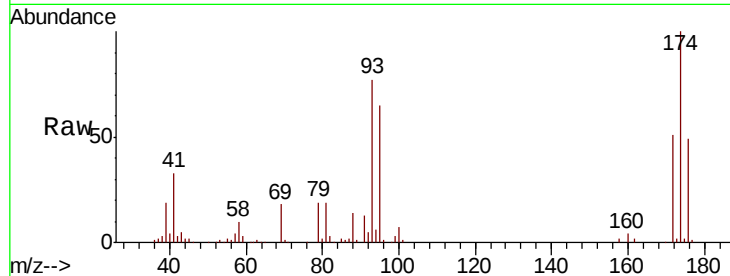
#49
1,4-Dioxane
Concen: 1091.533 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

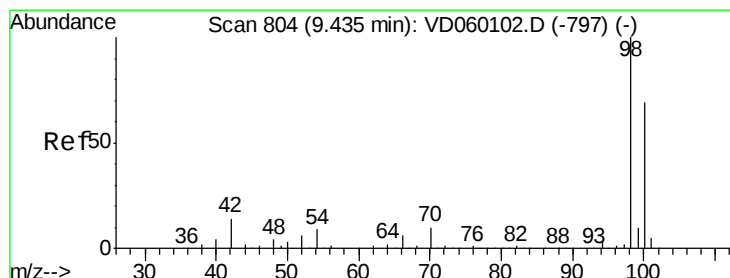
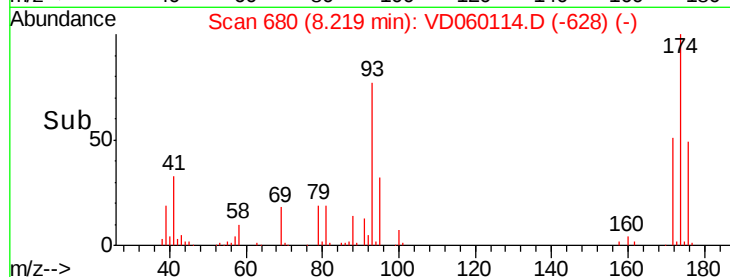
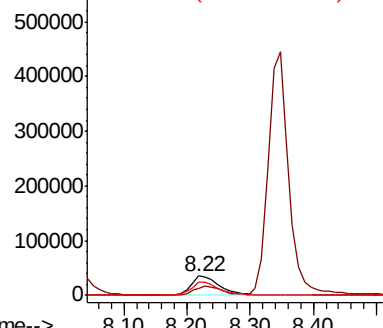
Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	33.7	50.5
58	69.7	49.1	73.7

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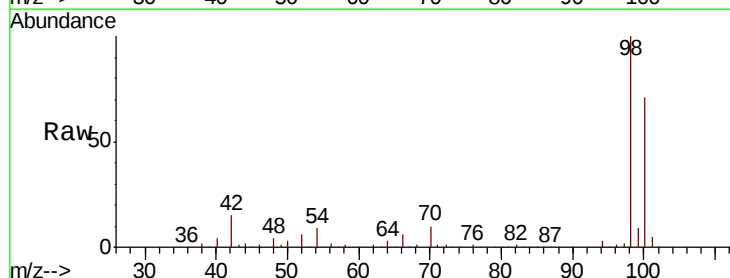


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

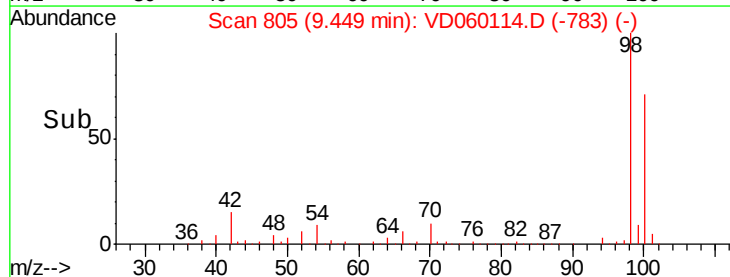
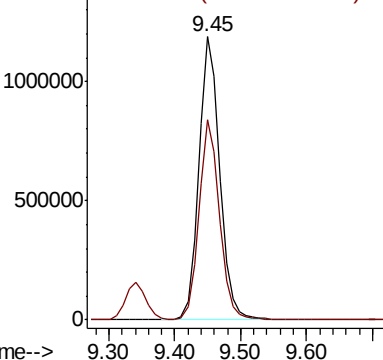


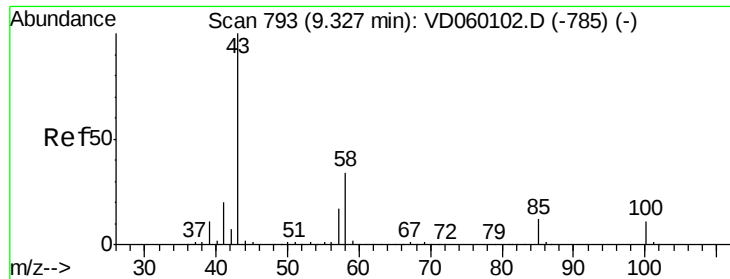
#50
Toluene-d8
Concen: 1091.533 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.7	55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 272.269 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3249630

Ion Ratio Lower Upper

43 100

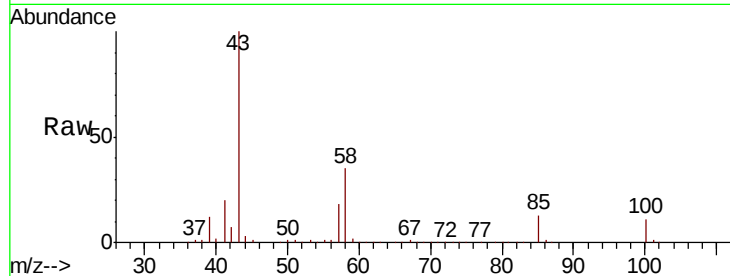
58 34.6 27.2 40.8

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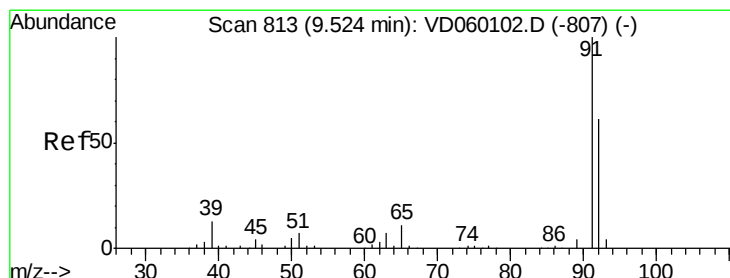
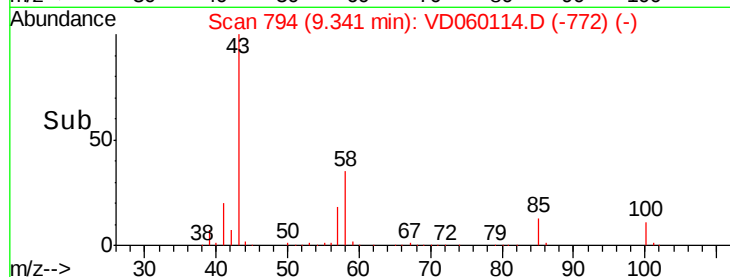
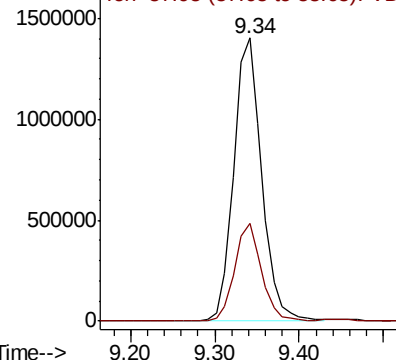
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.114 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060114.D

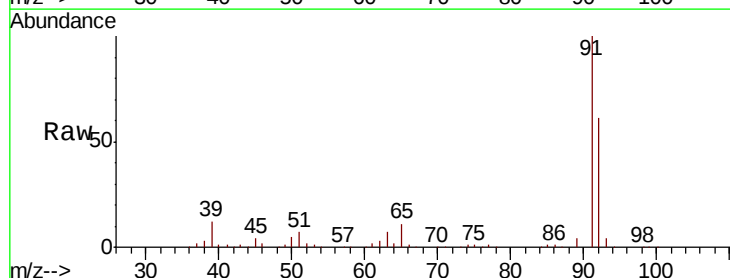
Acq: 3 Oct 2018 12:08

Tgt Ion: 92 Resp: 1902726

Ion Ratio Lower Upper

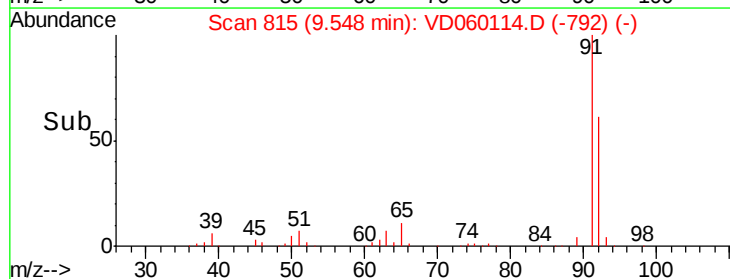
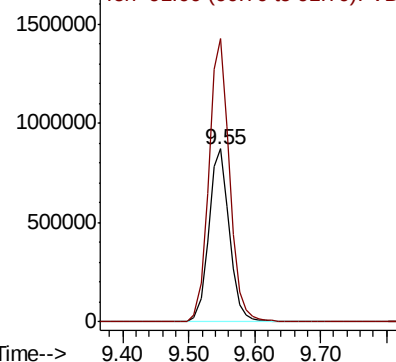
92 100

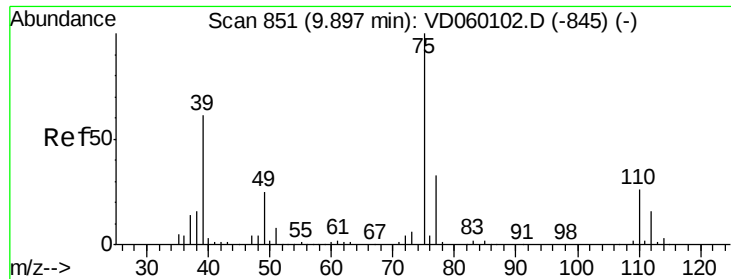
91 163.8 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





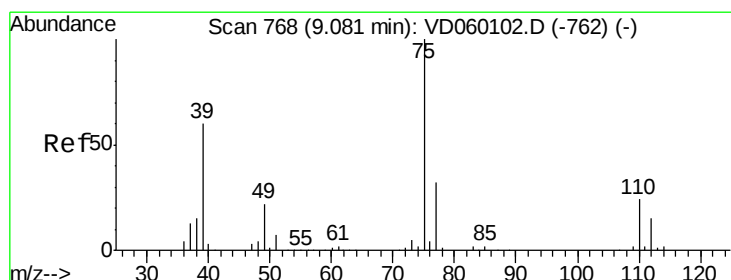
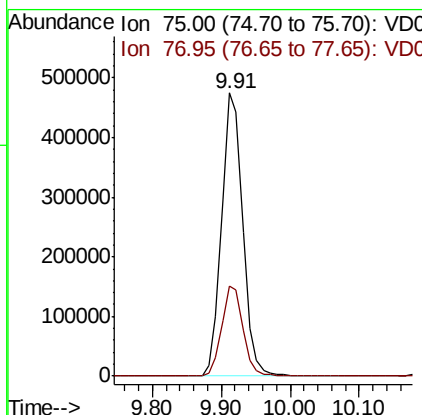
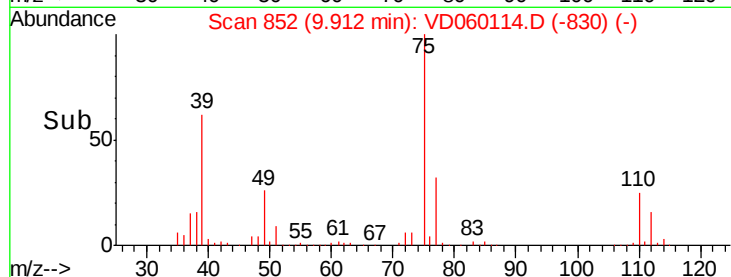
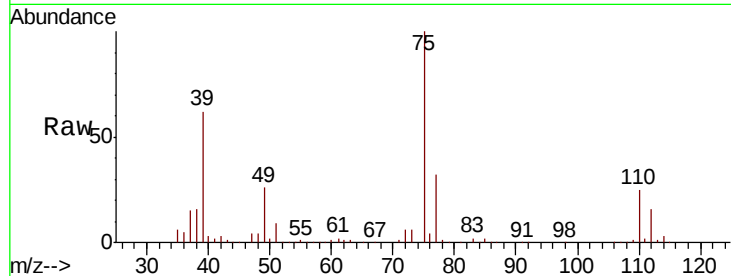
#53
t-1,3-Dichloropropene
Concen: 54.550 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 1010729
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2

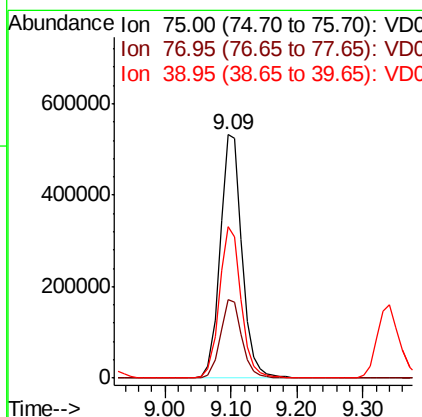
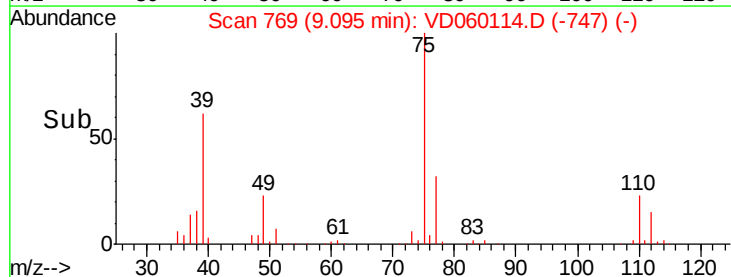
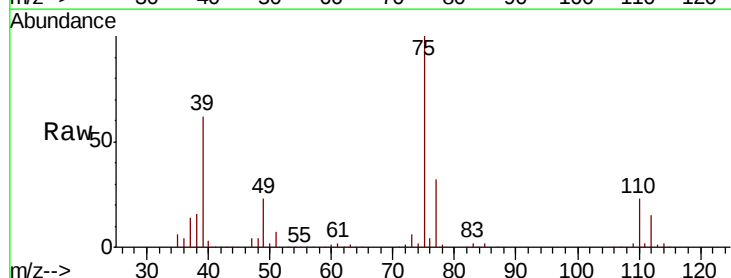
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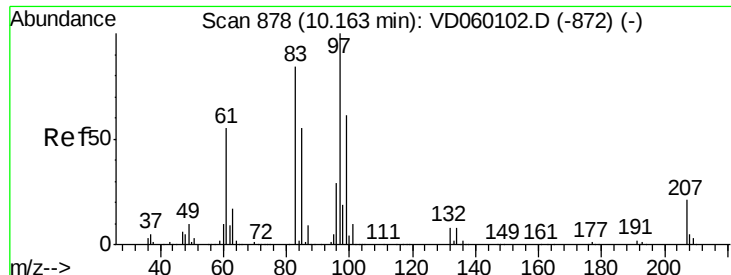
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#54
cis-1,3-Dichloropropene
Concen: 53.795 ug/l
RT: 9.09 min Scan# 769
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 75 Resp: 1230825
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
39 62.4 48.2 72.4





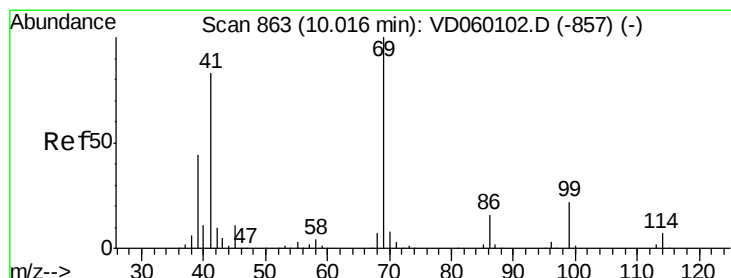
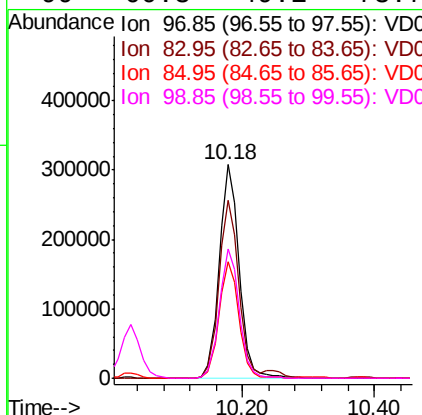
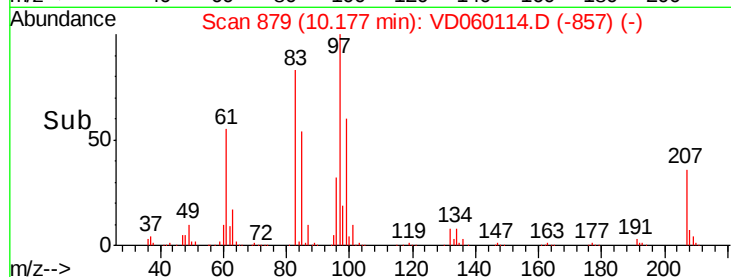
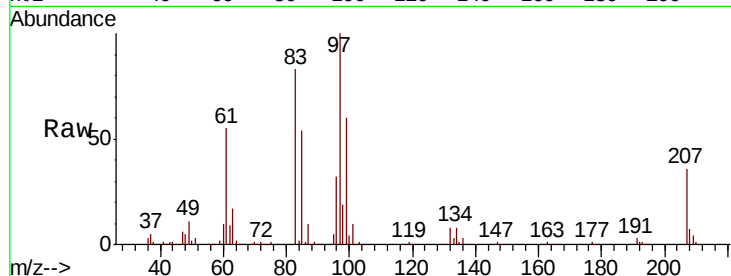
#55
1,1,2-Trichloroethane
Concen: 54.058 ug/l
RT: 10.18 min Scan# 879
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	645235
Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.0	100.6
85	54.4	43.9	65.9
99	60.3	49.1	73.7

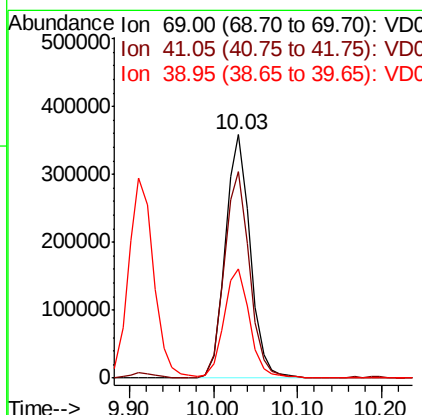
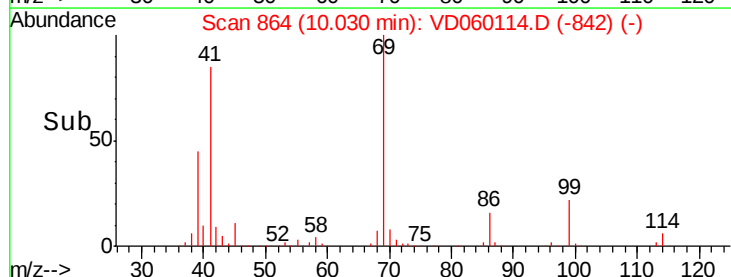
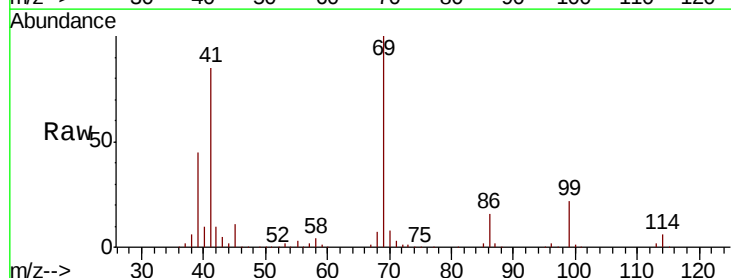
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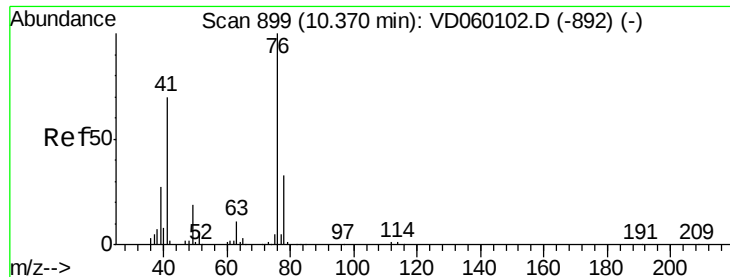
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#56
Ethyl methacrylate
Concen: 55.723 ug/l
RT: 10.03 min Scan# 864
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:	69	Resp:	734189
Ion	Ratio	Lower	Upper
69	100		
41	84.8	66.6	100.0
39	45.0	36.0	54.0





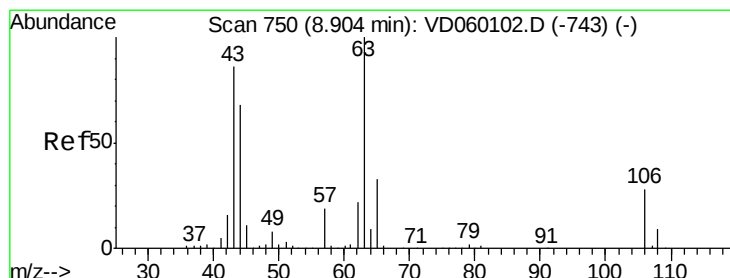
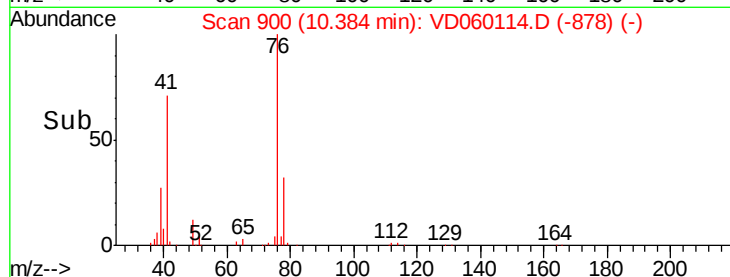
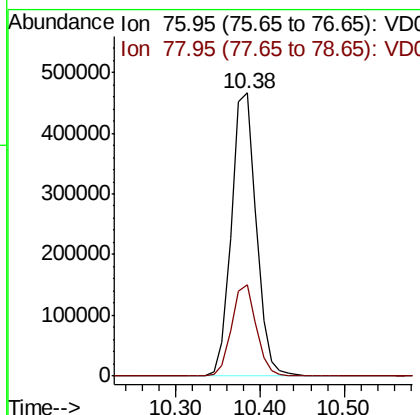
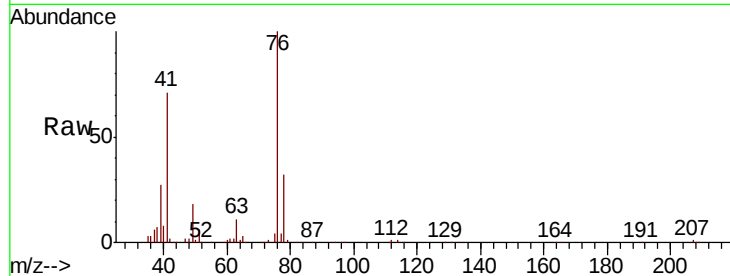
#57
 1,3-Dichloropropane
 Concen: 52.473 ug/l
 RT: 10.38 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 955218
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

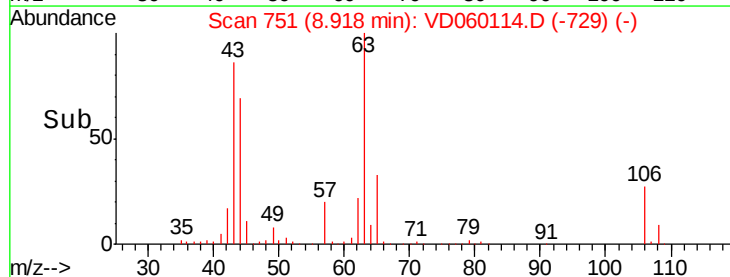
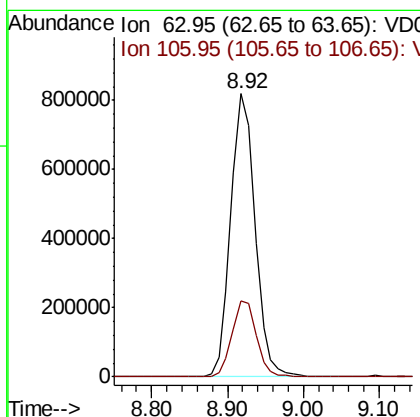
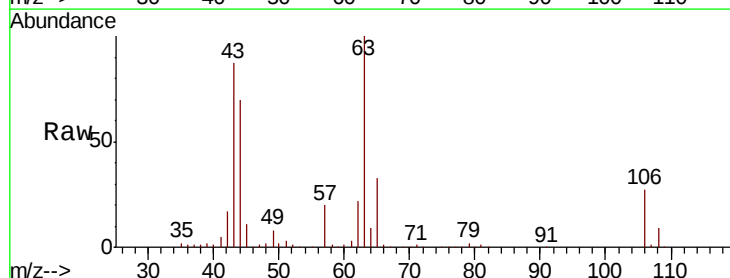
Manual Integrations
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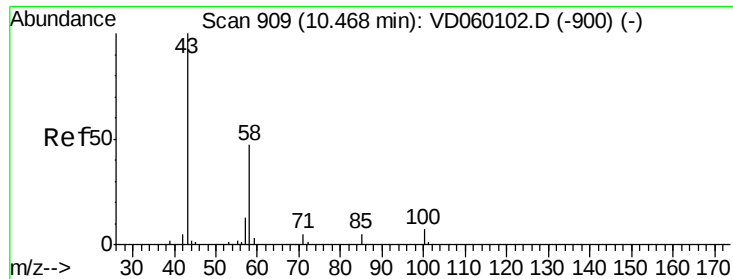
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#58
 2-Chloroethyl Vinyl ether
 Concen: 248.802 ug/l
 RT: 8.92 min Scan# 751
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion: 63 Resp: 1820376
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.6 34.0





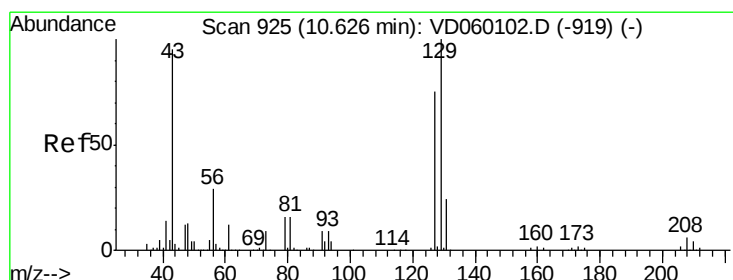
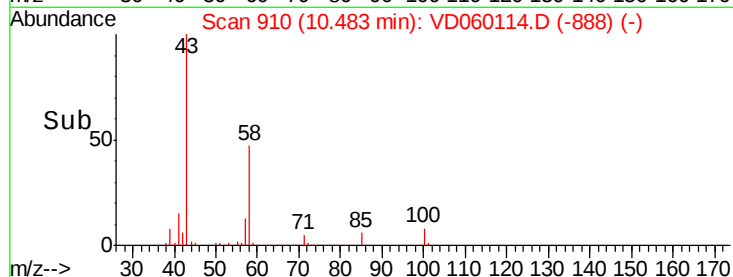
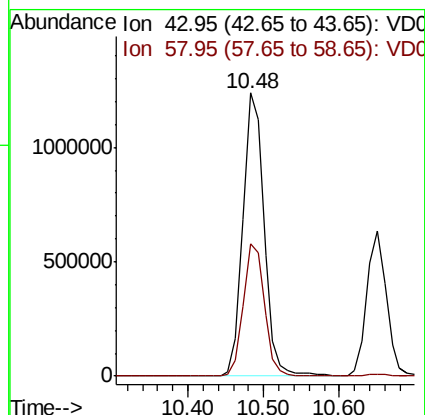
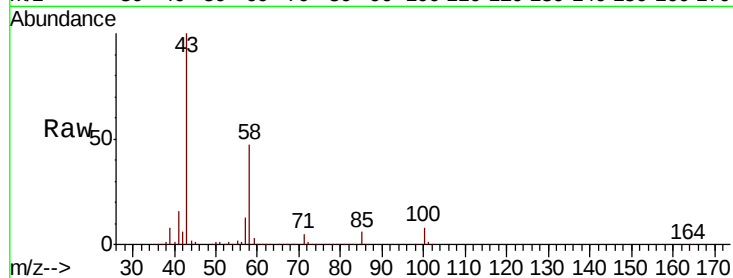
#59
2-Hexanone
Concen: 278.242 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2388008
Ion Ratio Lower Upper
43 100
58 46.7 23.3 69.9

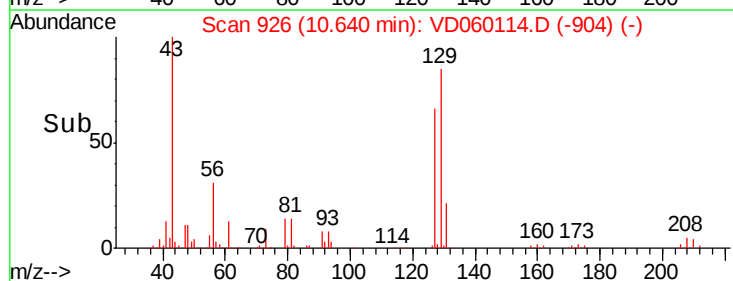
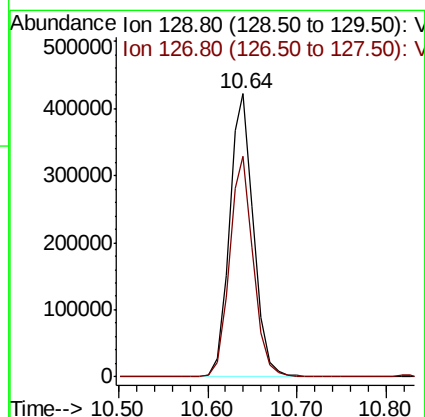
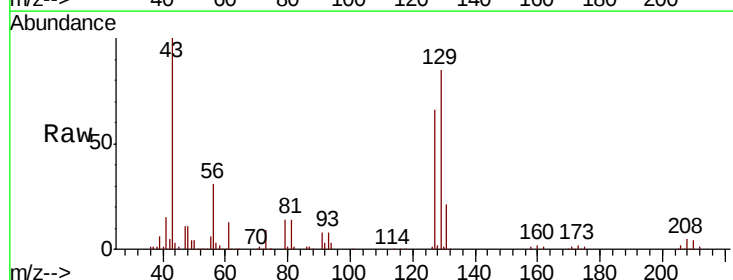
Manual Integrations
APPROVED

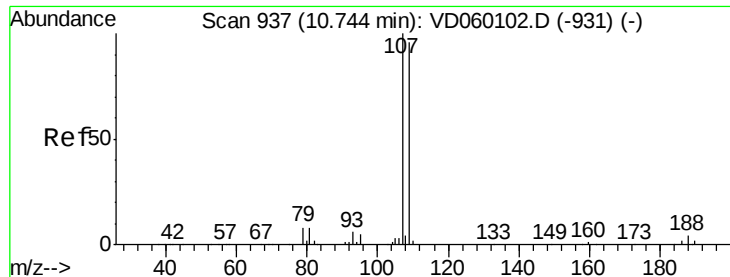
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#60
Dibromochloromethane
Concen: 54.449 ug/l
RT: 10.64 min Scan# 926
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:129 Resp: 797392
Ion Ratio Lower Upper
129 100
127 77.8 37.4 112.2





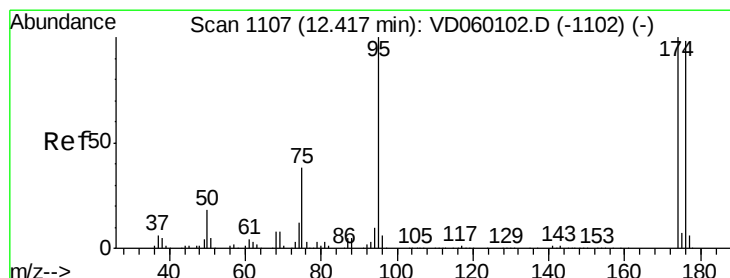
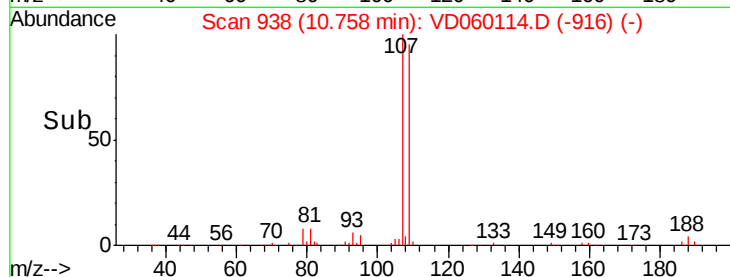
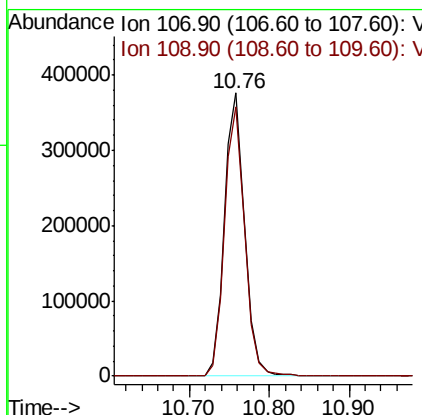
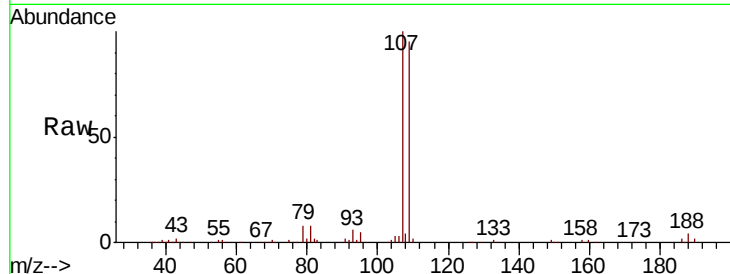
#61
1,2-Dibromoethane
Concen: 53.191 ug/l
RT: 10.76 min Scan# 938
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:107 Resp: 674587
Ion Ratio Lower Upper
107 100
109 95.0 77.1 115.7

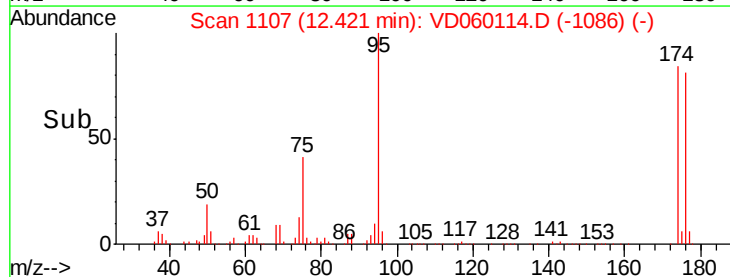
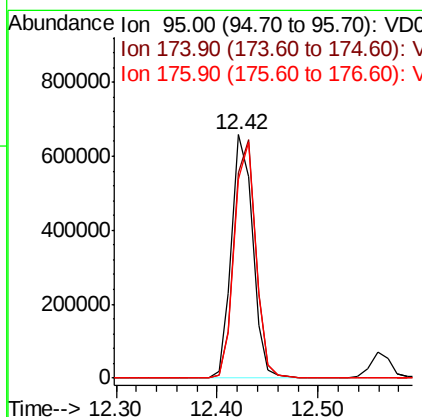
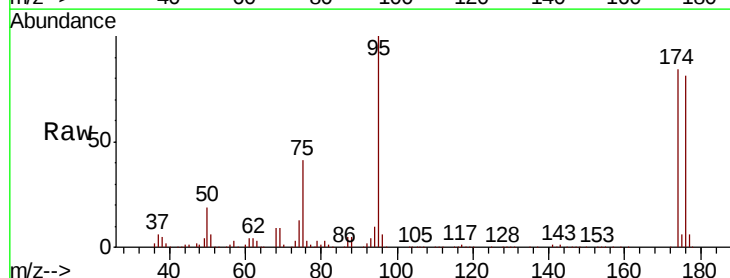
Manual Integrations
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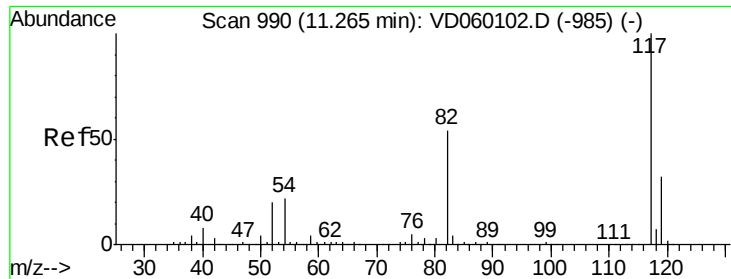
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#62
4-Bromofluorobenzene
Concen: 53.191 ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 95 Resp: 967504
Ion Ratio Lower Upper
95 100
174 84.3 0.0 200.2
176 81.4 0.0 195.6





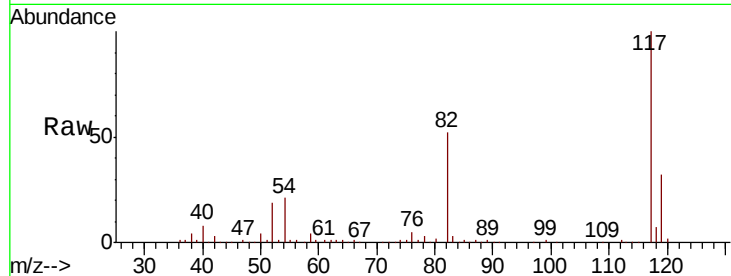
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

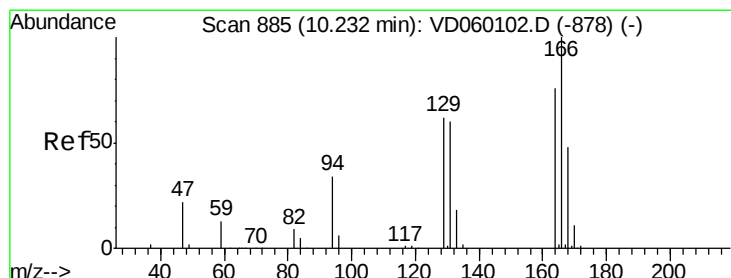
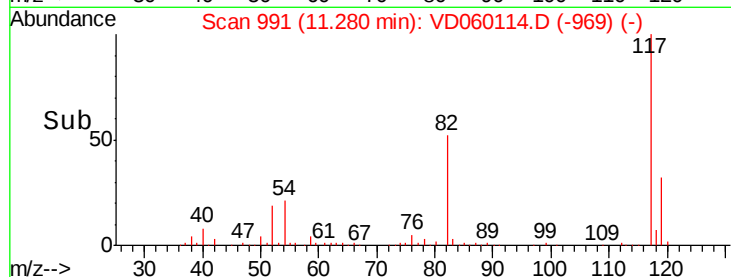
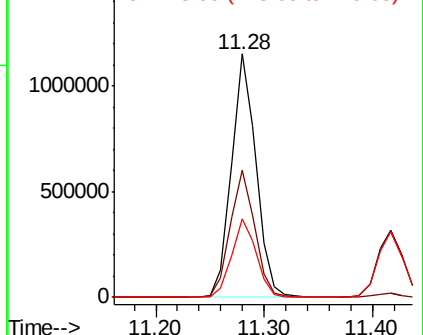
Tot Ion:117 Resp: 1827520
Ion Ratio Lower Upper
117 100
82 52.0 43.4 65.2
119 32.2 26.0 39.0

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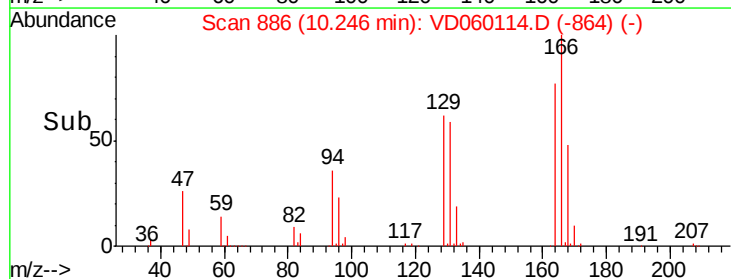
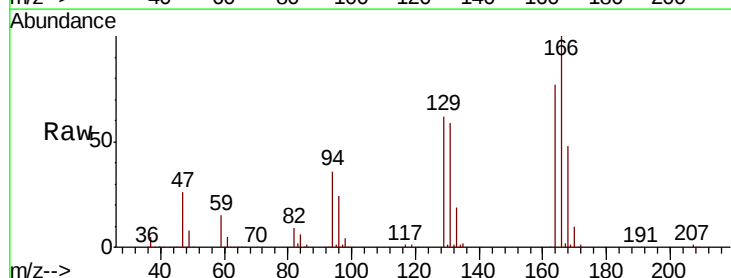
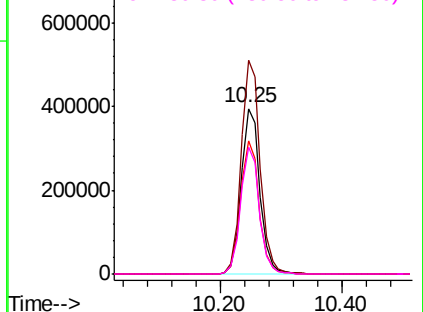
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

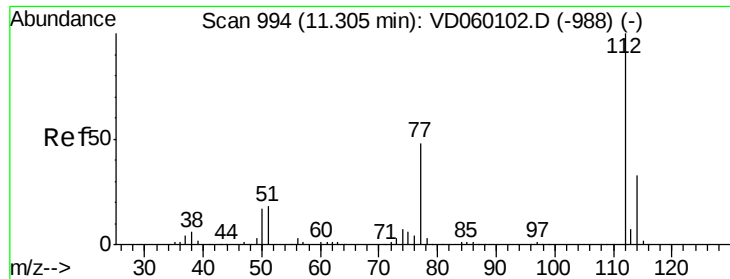


#64
Tetrachloroethene
Concen: 52.765 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:164 Resp: 844577
Ion Ratio Lower Upper
164 100
166 129.3 105.4 158.0
129 80.7 65.7 98.5
131 76.7 62.9 94.3

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





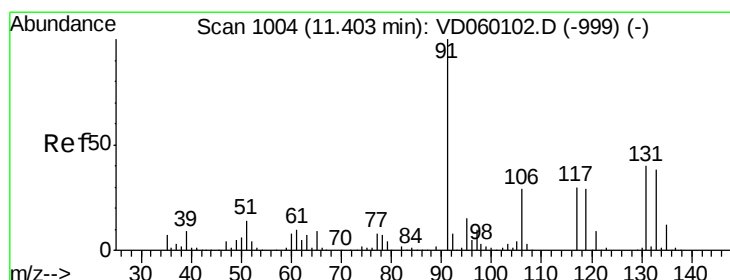
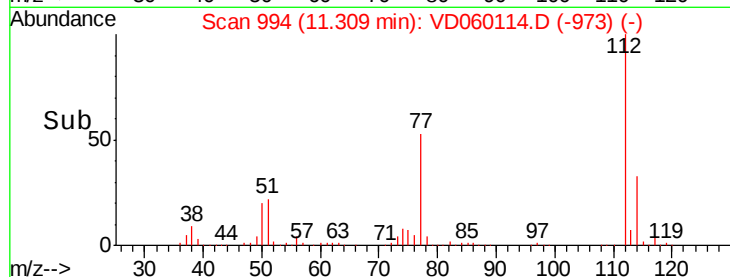
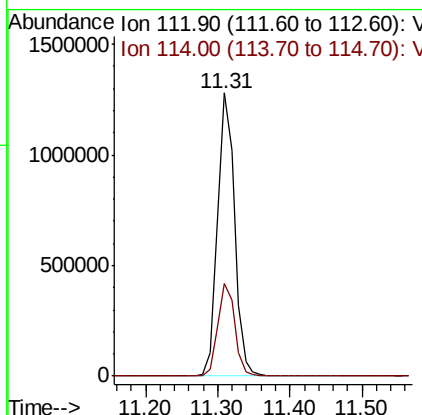
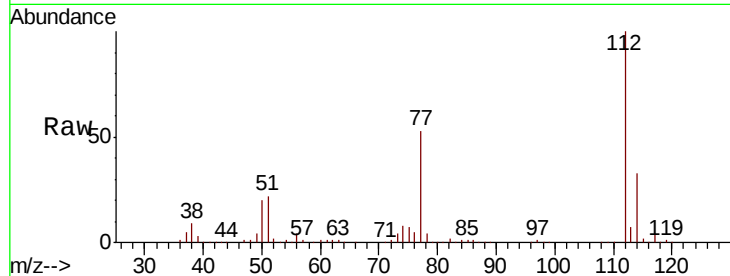
#65
Chlorobenzene
Concen: 52.128 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2060934
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

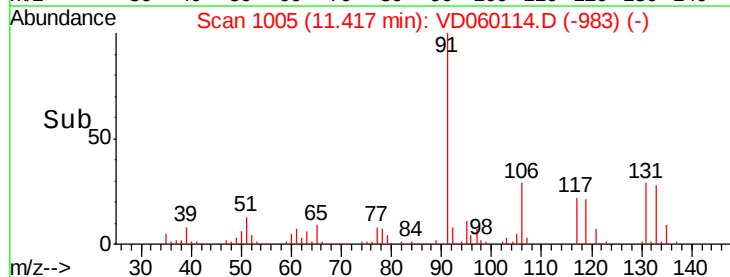
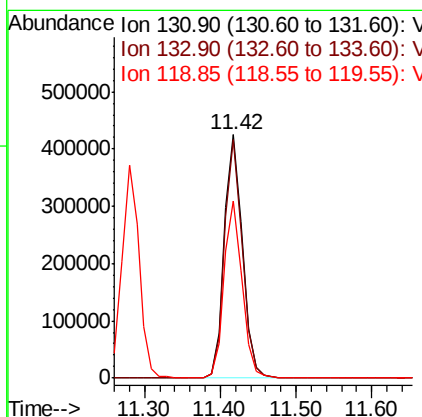
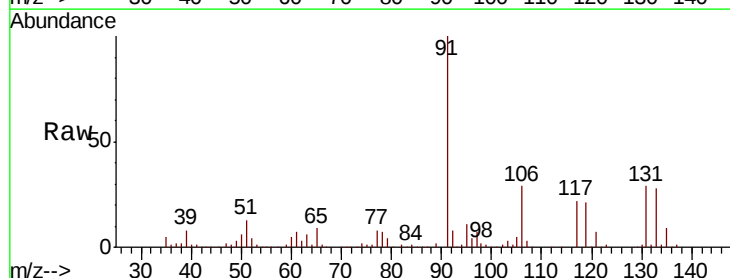
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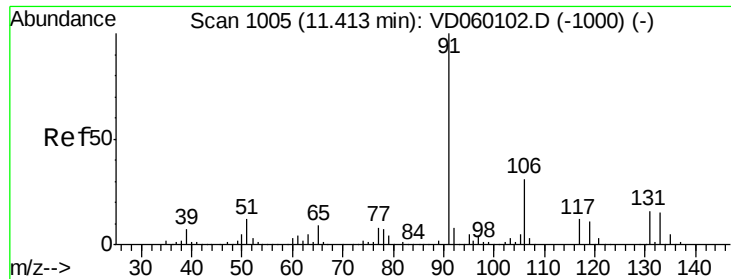
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.807 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:131 Resp: 709667
Ion Ratio Lower Upper
131 100
133 97.9 47.4 142.3
119 72.8 36.1 108.3





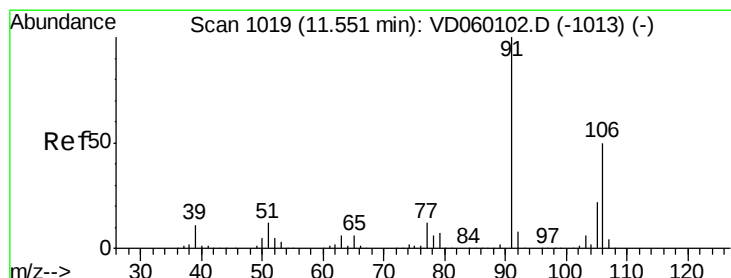
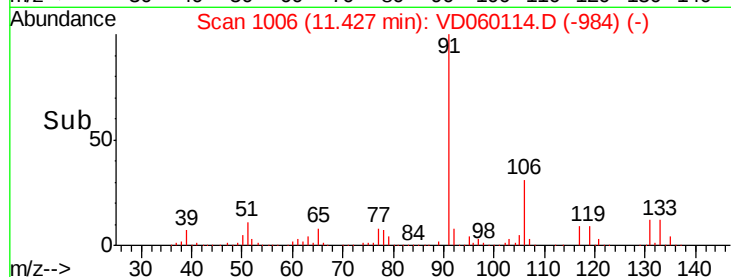
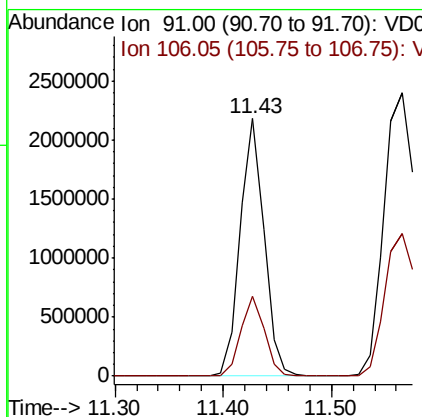
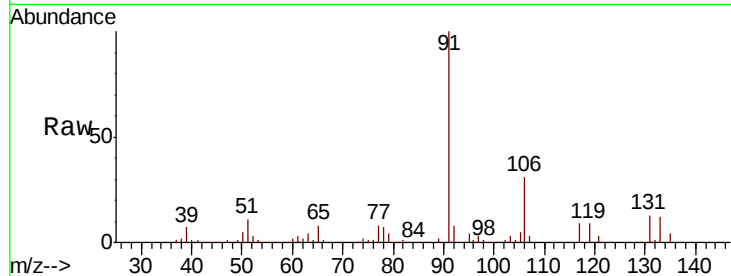
#67
Ethyl Benzene
Concen: 52.476 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 91 Resp: 3361381
Ion Ratio Lower Upper
91 100
106 31.0 24.4 36.6

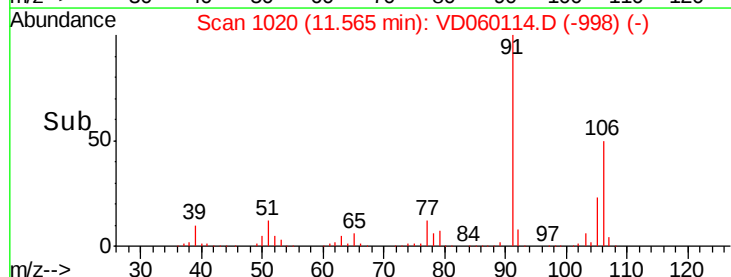
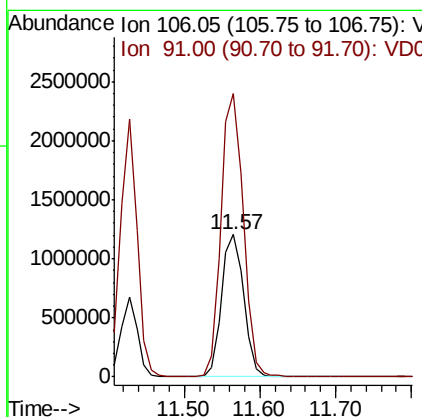
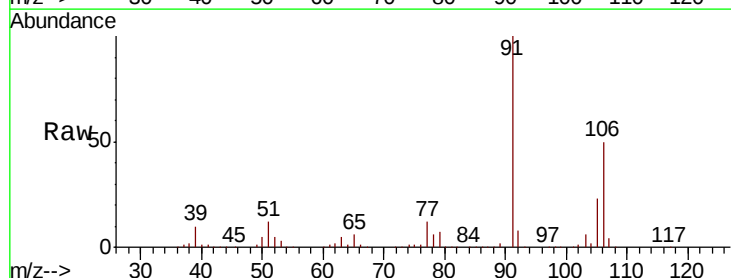
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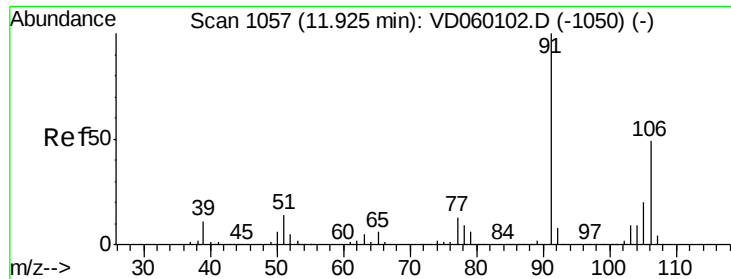
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#68
m/p-Xylenes
Concen: 102.175 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 106 Resp: 2445412
Ion Ratio Lower Upper
106 100
91 199.2 160.0 240.0





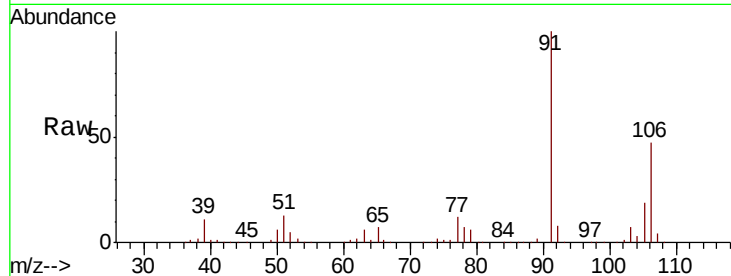
#69
o-Xylene
Concen: 53.142 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

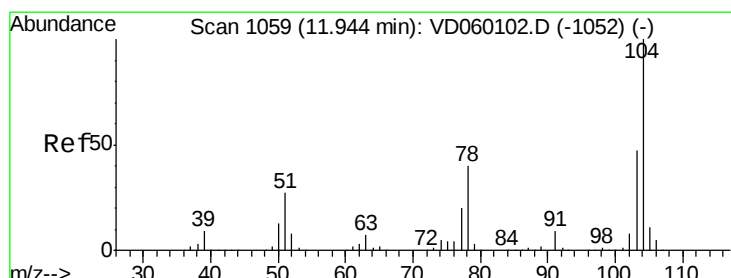
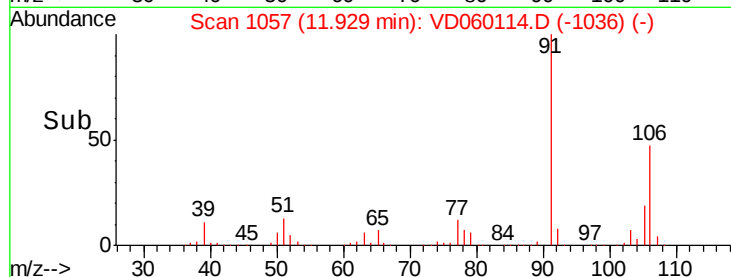
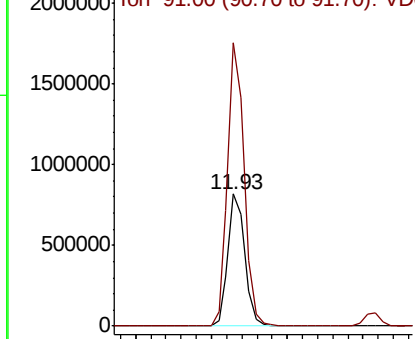
Tot Ion:106 Resp: 1258042
Ion Ratio Lower Upper
106 100
91 214.5 102.5 307.5

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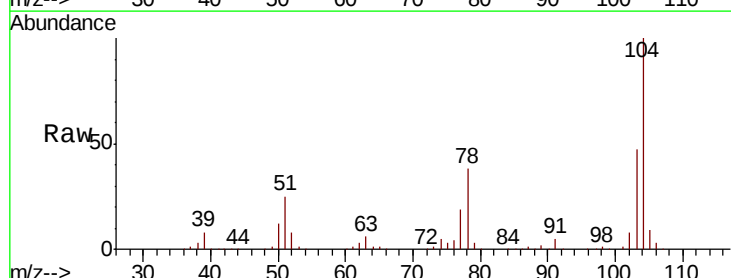


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

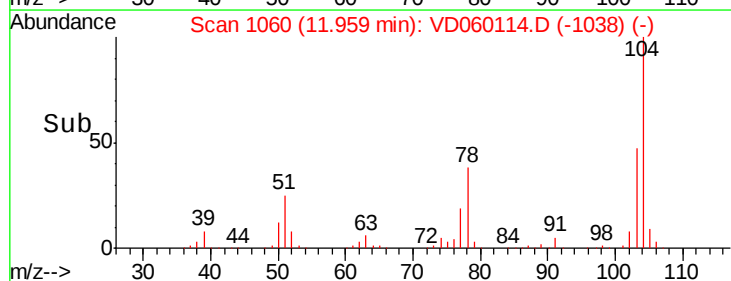
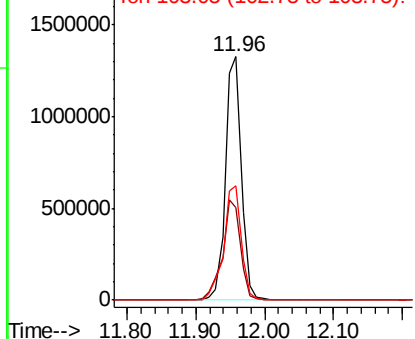


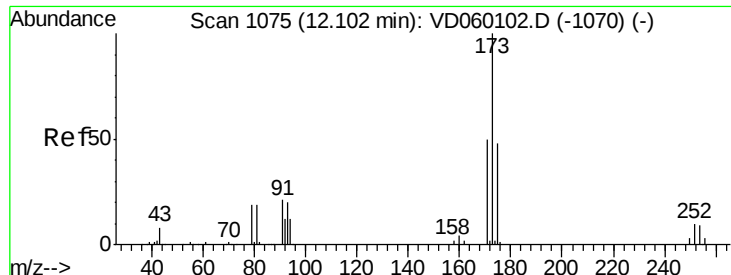
#70
Styrene
Concen: 53.402 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:104 Resp: 2114134
Ion Ratio Lower Upper
104 100
78 38.1 32.2 48.4
103 47.0 37.4 56.0



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 57.049 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

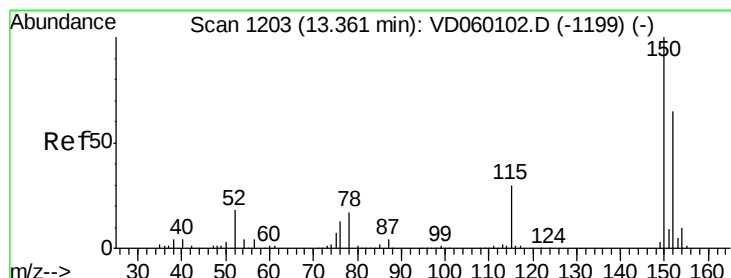
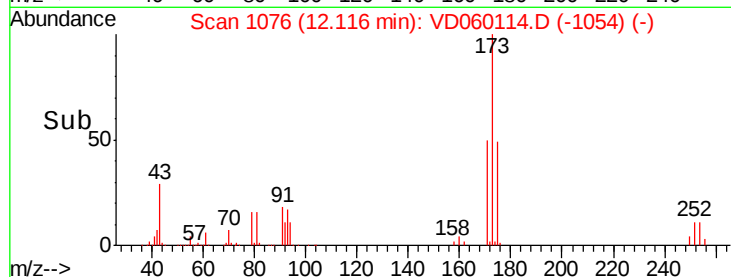
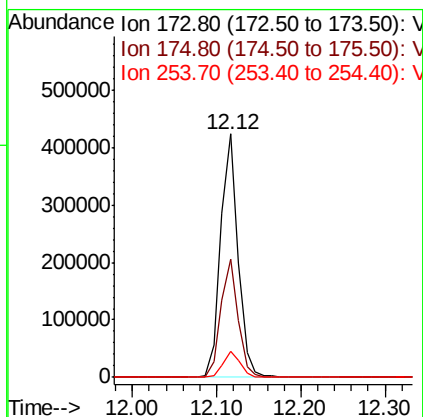
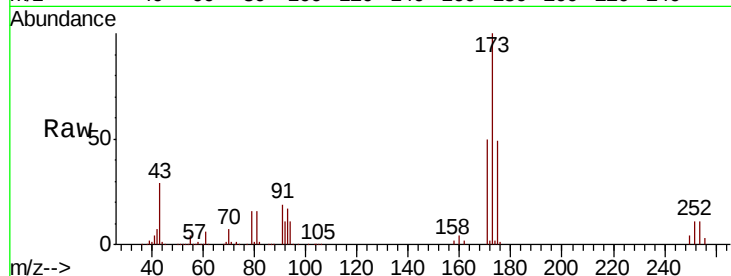
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	609281
Ion Ratio	Lower	Upper	
173	100		
175	48.6	24.1	72.4
254	10.6	7.4	11.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

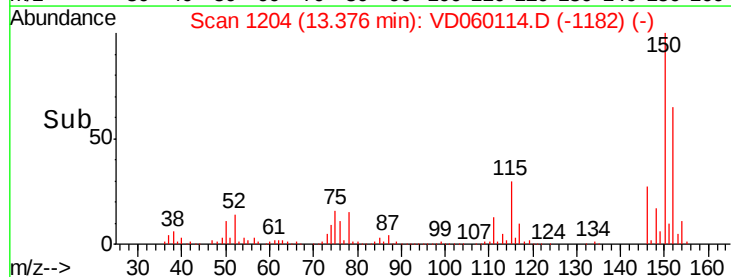
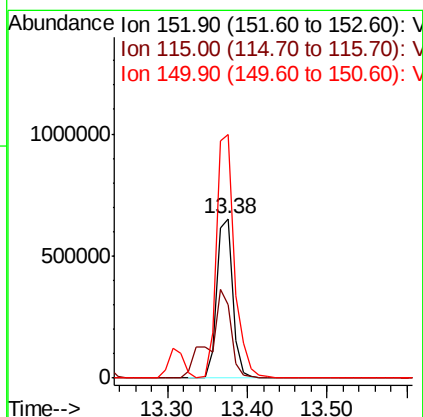
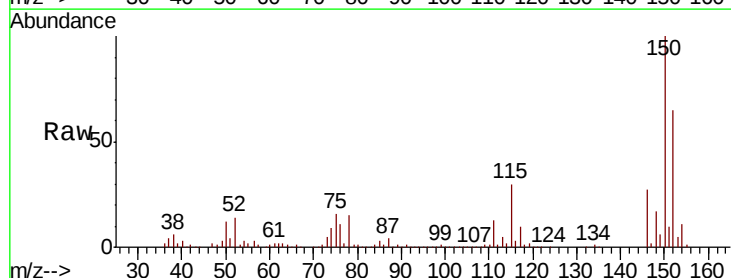
RT: 13.38 min Scan# 1204

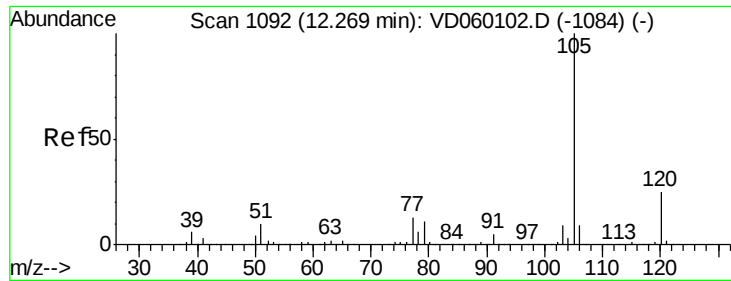
Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion:	152	Resp:	938076
Ion Ratio	Lower	Upper	
152	100		
115	46.4	27.1	81.2
150	152.8	0.0	311.8





#73

Isopropylbenzene

Concen: 52.122 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3225679

Ion Ratio Lower Upper

105 100

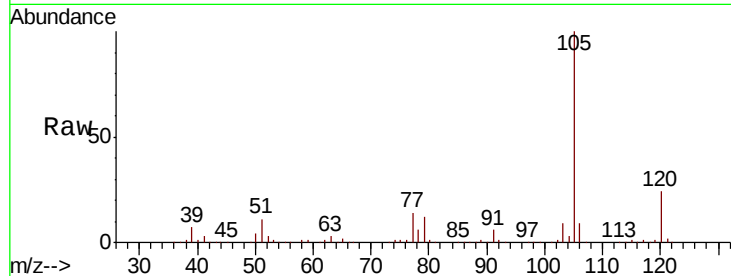
120 24.5 12.6 37.6

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

1000000

500000

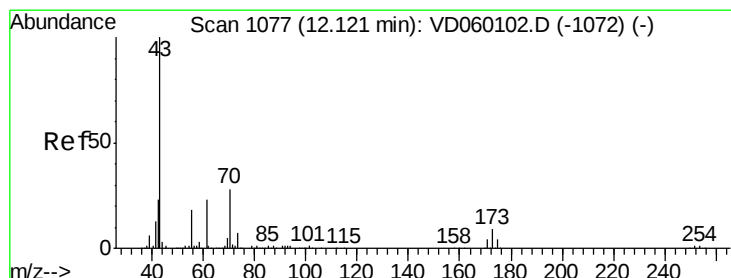
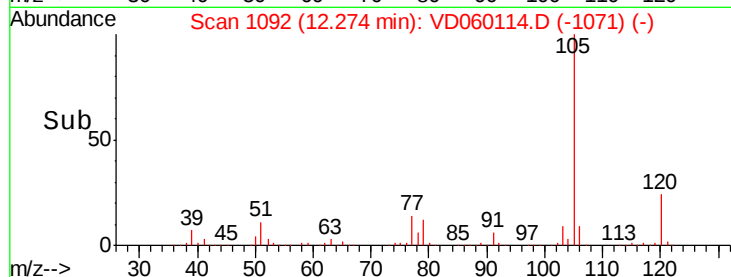
0

12.20

12.30

12.40

Time-->



#74

N-ethyl acetate

Concen: 57.560 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion: 43 Resp: 1304808

Ion Ratio Lower Upper

43 100

70 29.8 22.1 33.1

55 18.1 14.1 21.1

61 23.7 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

1000000

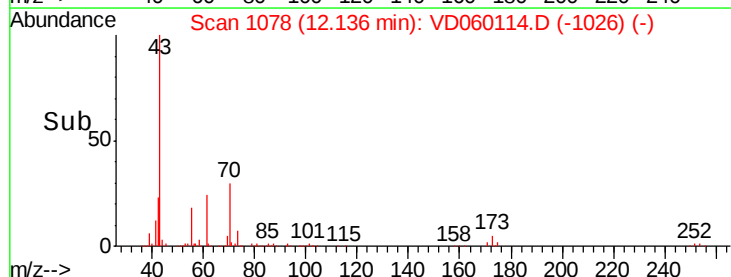
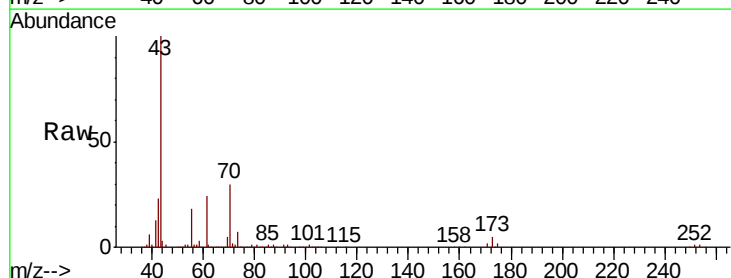
500000

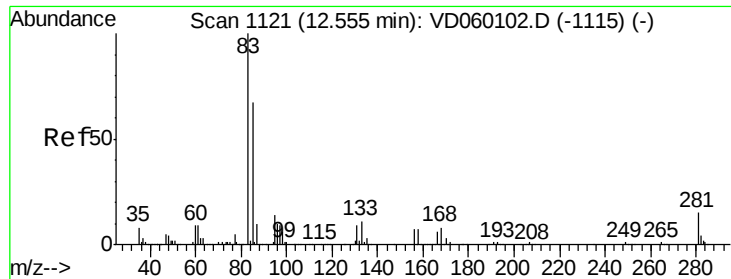
0

12.10

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.004 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

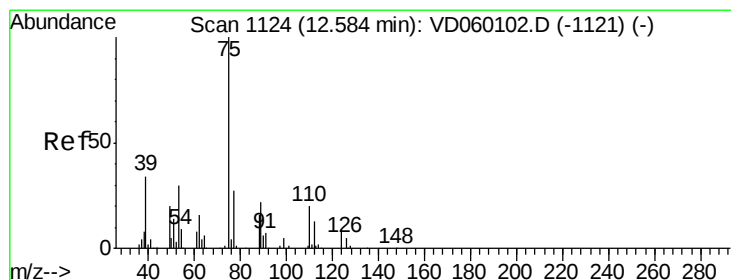
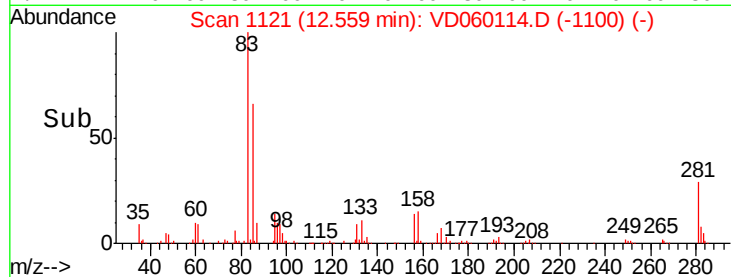
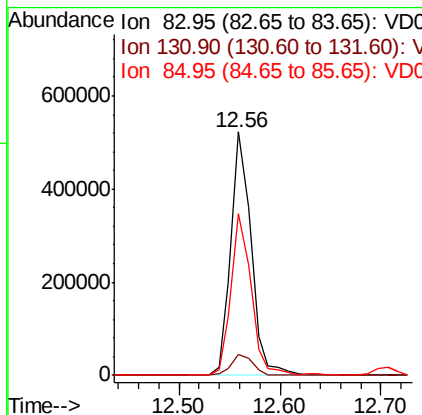
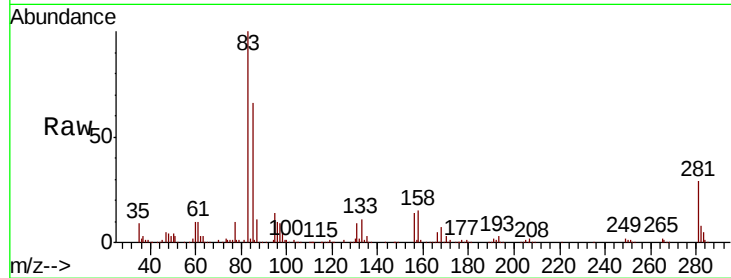
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	729636
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.5	13.4
85	66.4	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 55.717 ug/l

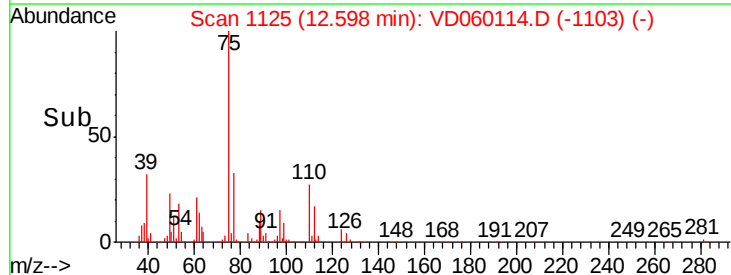
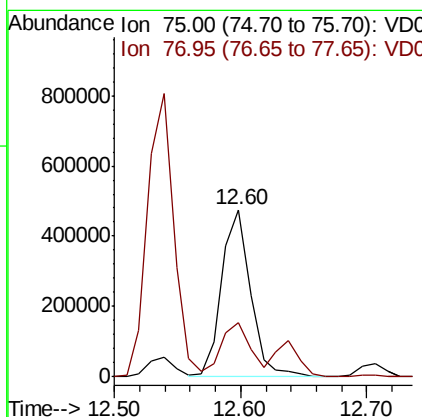
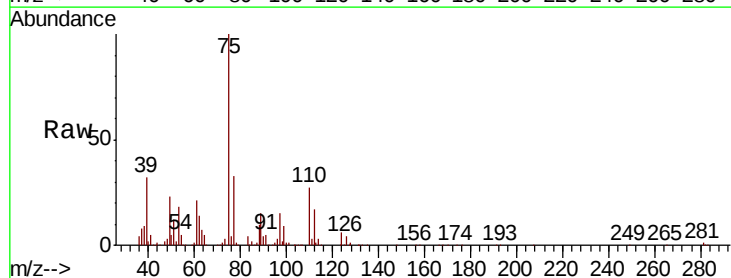
RT: 12.60 min Scan# 1125

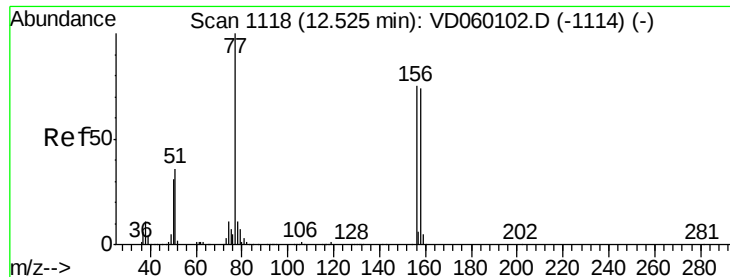
Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion:	75	Resp:	752703
Ion Ratio	Lower	Upper	
75	100		
77	32.8	16.3	48.9





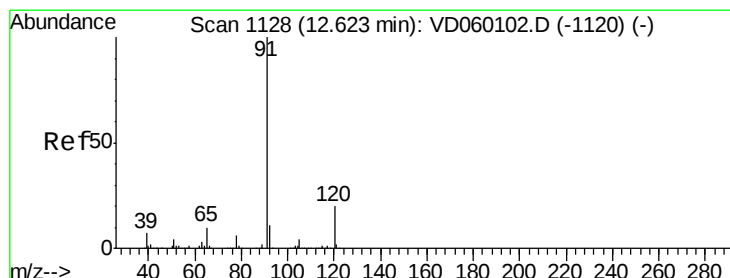
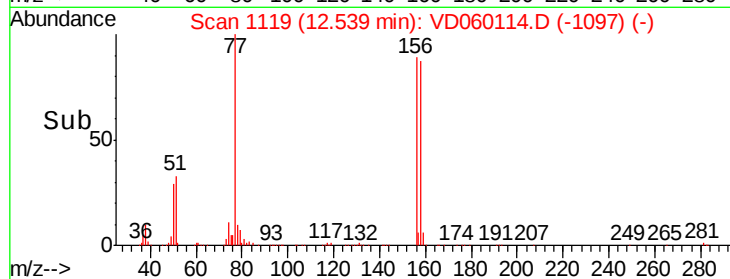
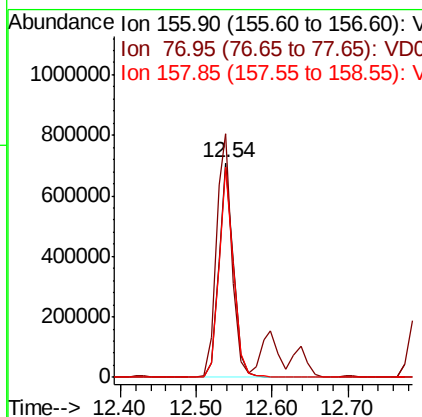
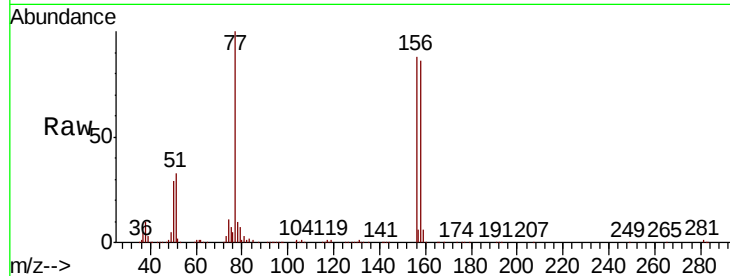
#77
Bromobenzene
Concen: 53.504 ug/l
RT: 12.54 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	113.6	66.9	200.7
158	98.2	49.1	147.4

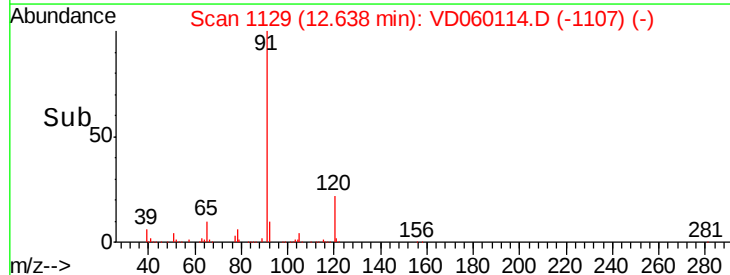
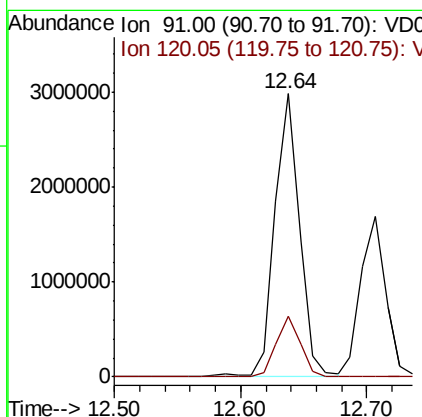
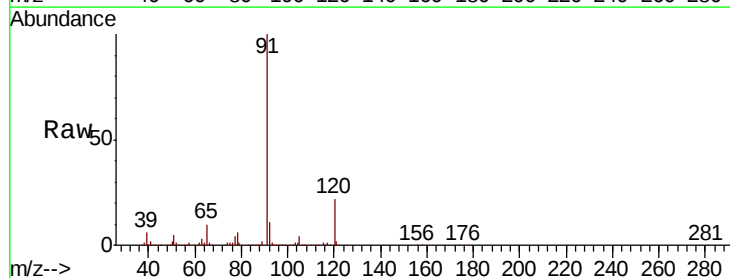
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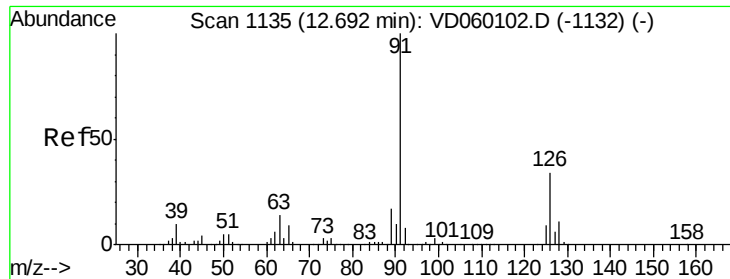
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#78
n-propylbenzene
Concen: 52.902 ug/l
RT: 12.64 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.0	30.0





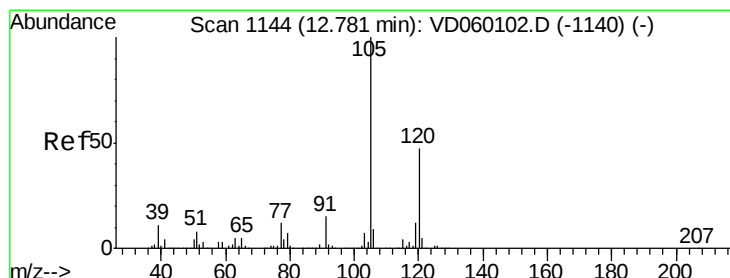
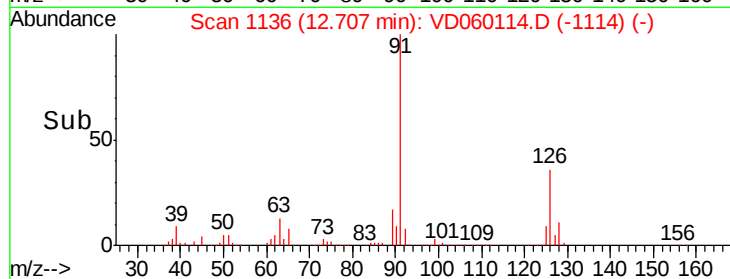
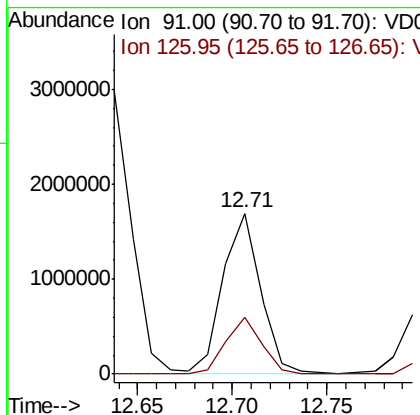
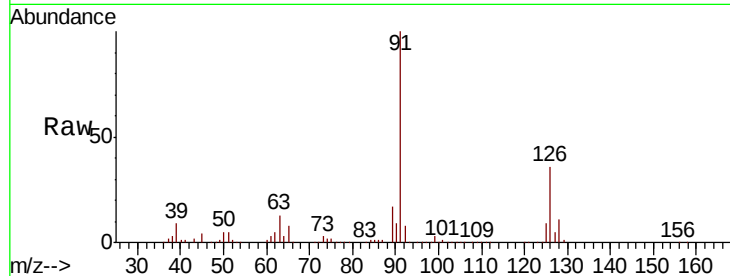
#79
 2-Chlorotoluene
 Concen: 54.097 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 2307199
 Ion Ratio Lower Upper
 91 100
 126 35.5 16.8 50.3

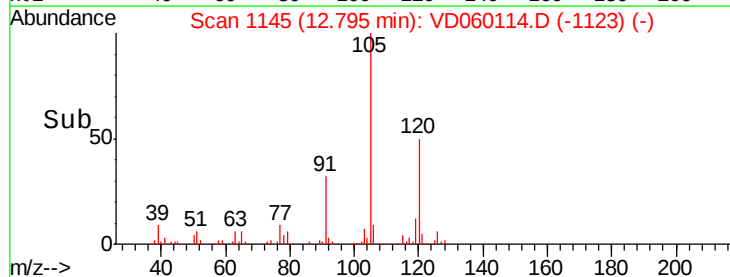
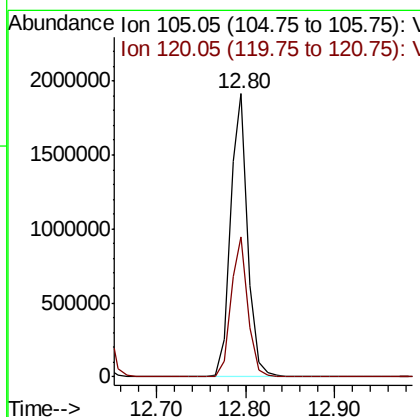
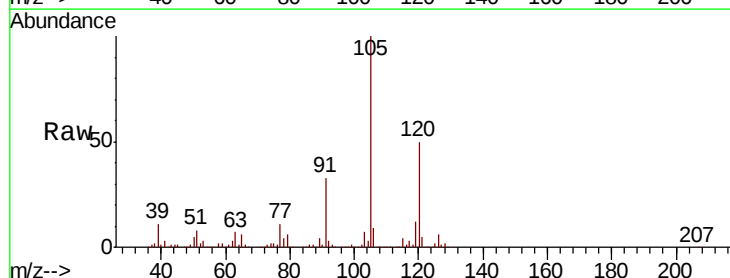
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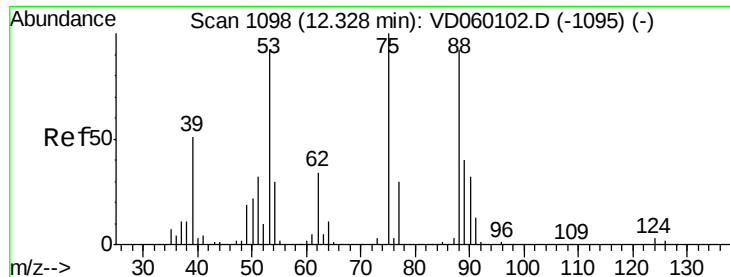
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.111 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion:105 Resp: 2591768
 Ion Ratio Lower Upper
 105 100
 120 49.7 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 59.932 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 227500

Ion Ratio Lower Upper

75 100

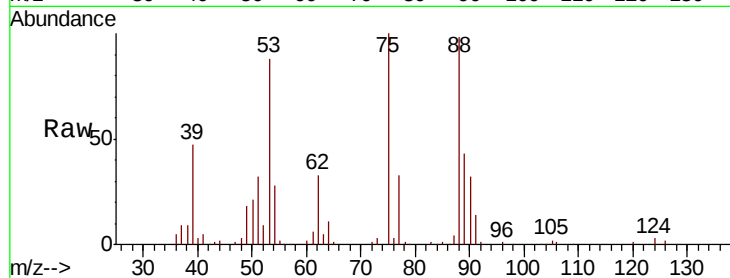
53 88.0 73.0 109.6

89 42.8 32.0 48.0

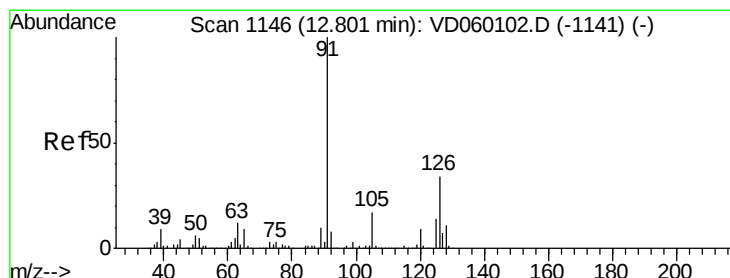
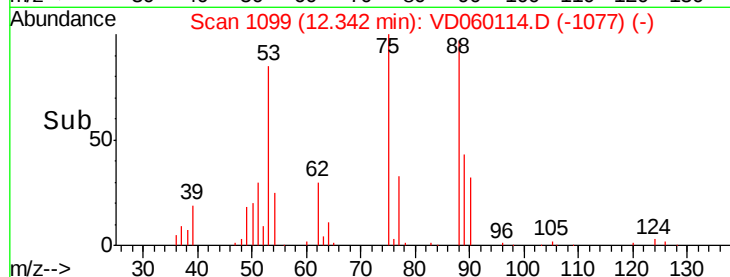
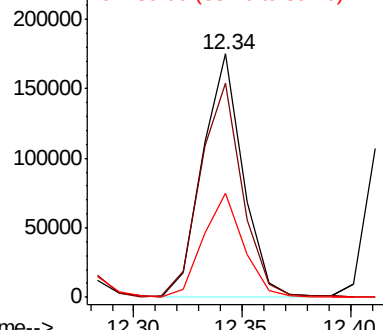
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 53.739 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060114.D

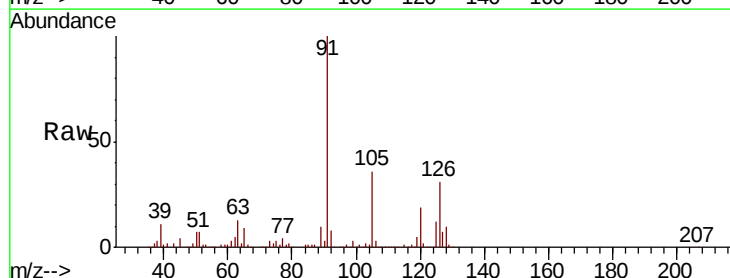
Acq: 3 Oct 2018 12:08

Tgt Ion: 91 Resp: 2592335

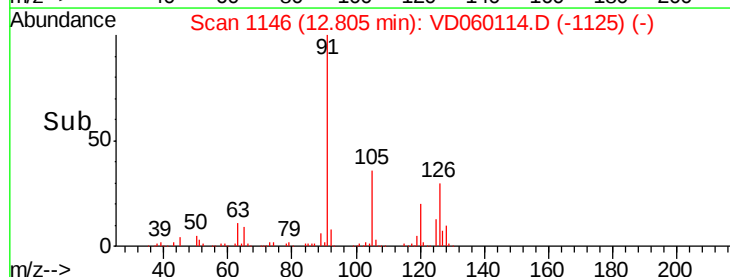
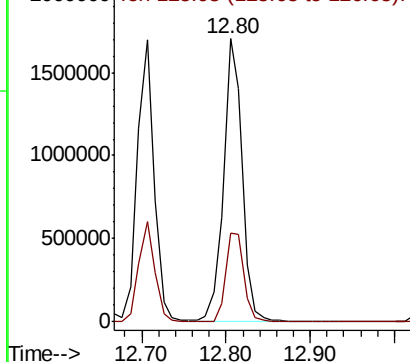
Ion Ratio Lower Upper

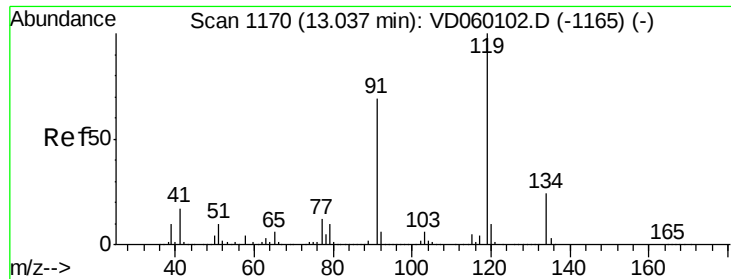
91 100

126 31.2 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V





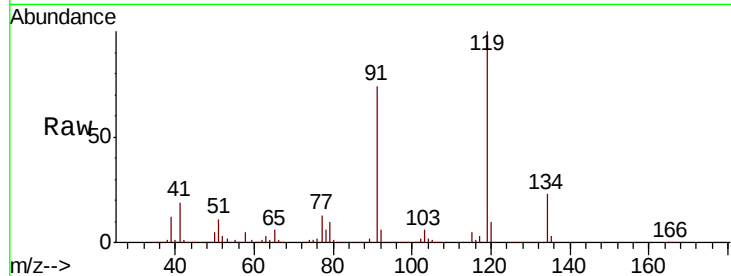
#83
tert-Butylbenzene
Concen: 54.424 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

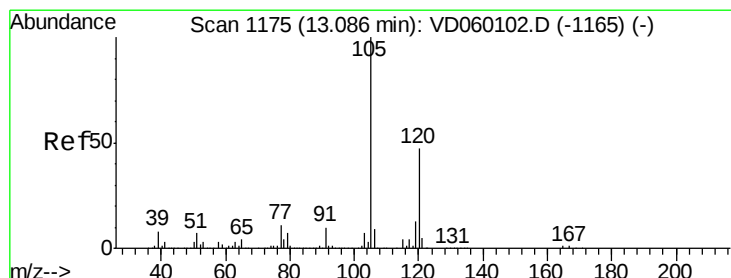
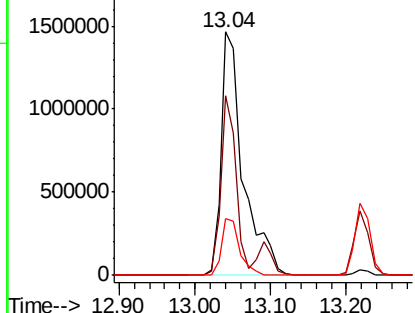
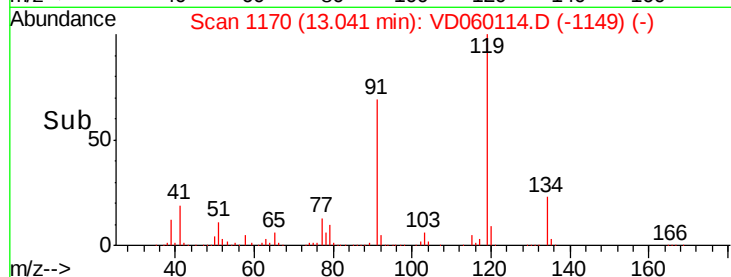
Tot Ion:119 Resp: 2991396
Ion Ratio Lower Upper
119 100
91 73.6 34.8 104.4
134 23.1 11.8 35.4

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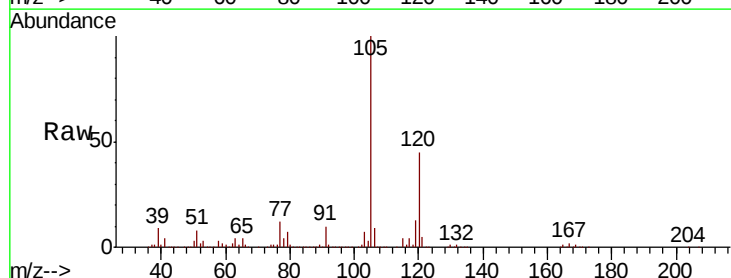


Abundance Ion 119.05 (118.75 to 119.75): V
2000000 Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

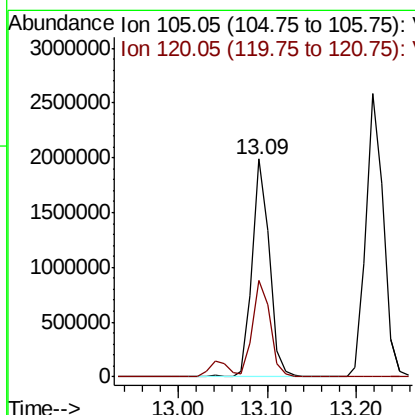
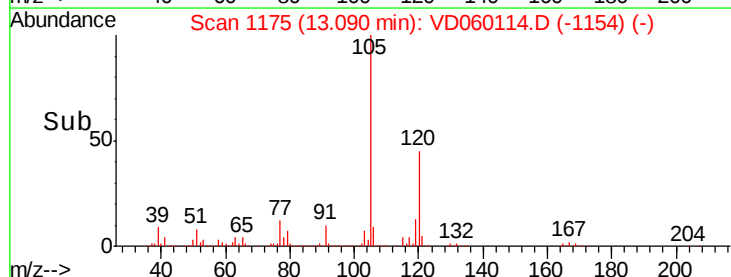


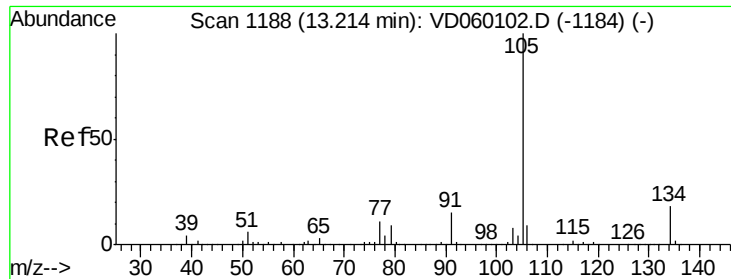
#84
1,2,4-Trimethylbenzene
Concen: 52.186 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion:105 Resp: 2634381
Ion Ratio Lower Upper
105 100
120 44.5 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V
3000000 Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 53.300 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3463856

Ion Ratio Lower Upper

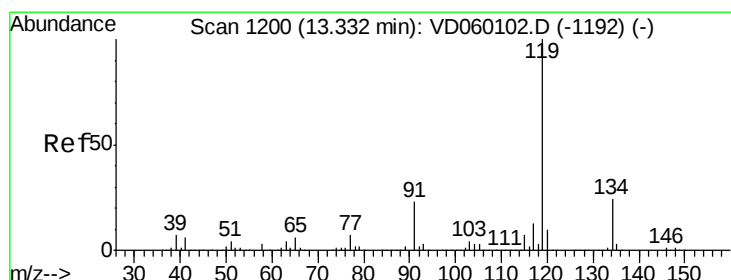
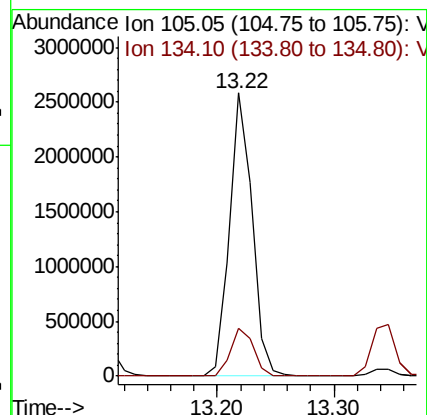
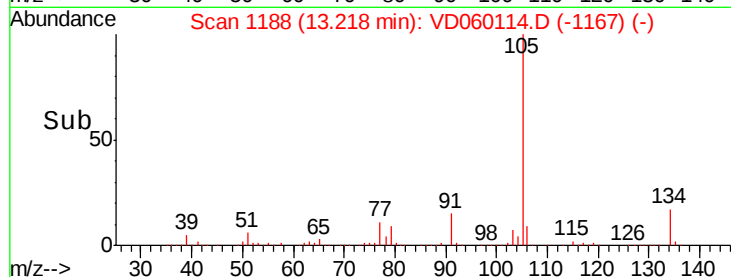
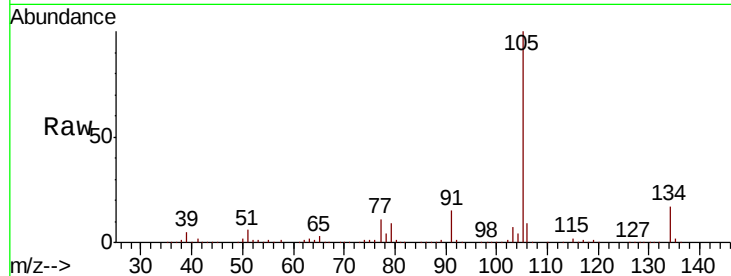
105 100

134 16.8 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 51.789 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

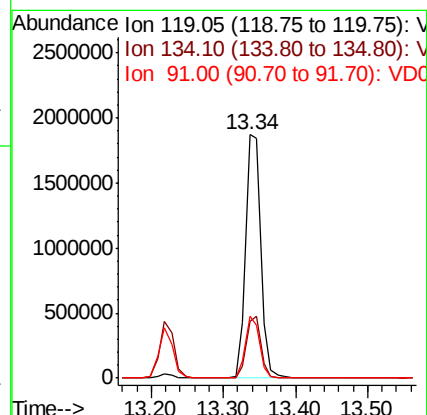
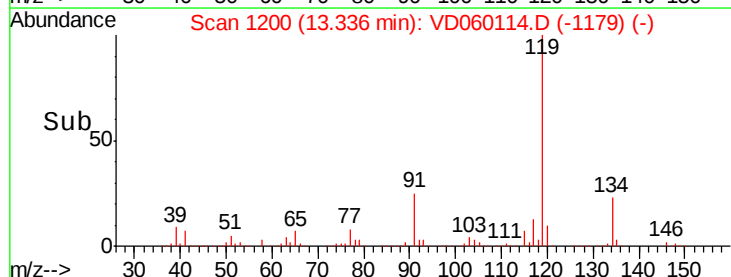
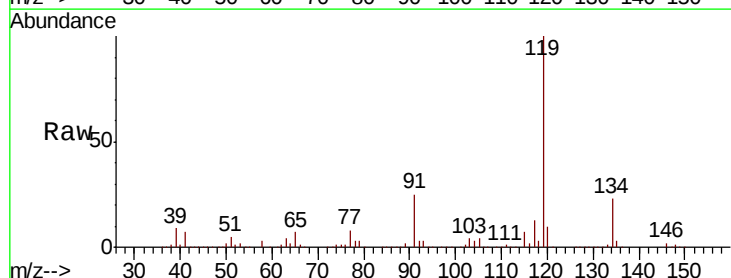
Tgt Ion:119 Resp: 2760558

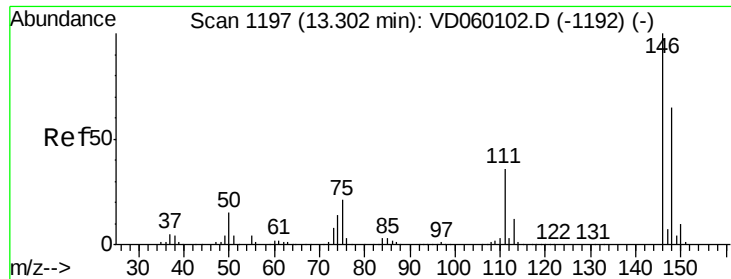
Ion Ratio Lower Upper

119 100

134 23.3 12.3 36.8

91 25.5 11.8 35.4





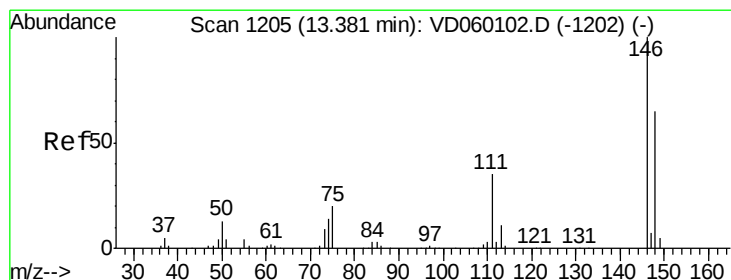
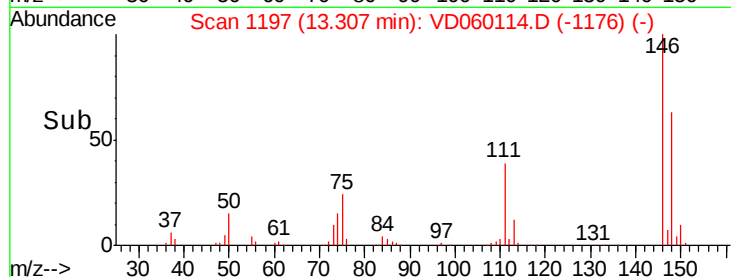
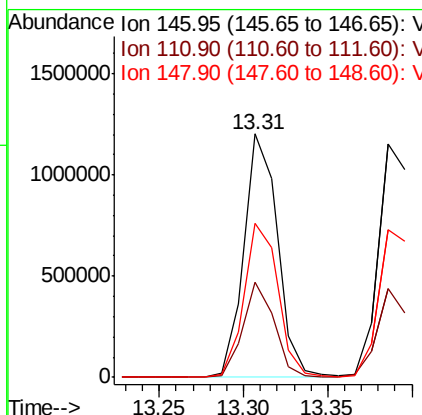
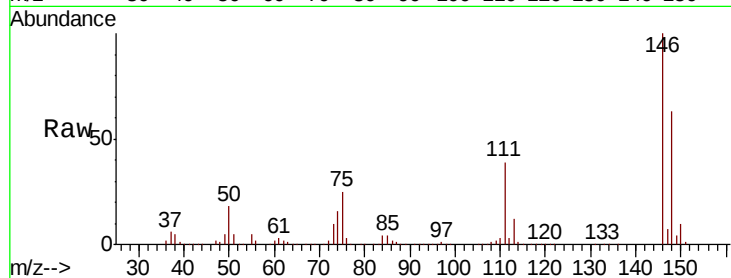
#87
 1,3-Dichlorobenzene
 Concen: 53.219 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.1	54.3
148	63.3	32.3	96.9

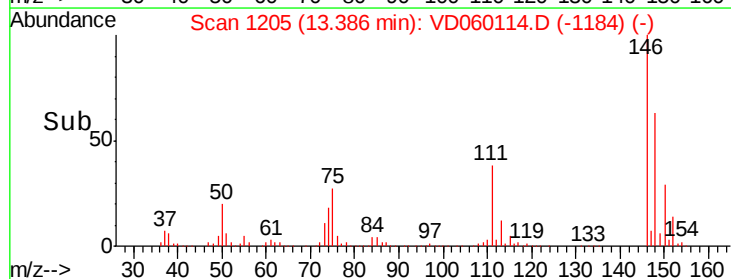
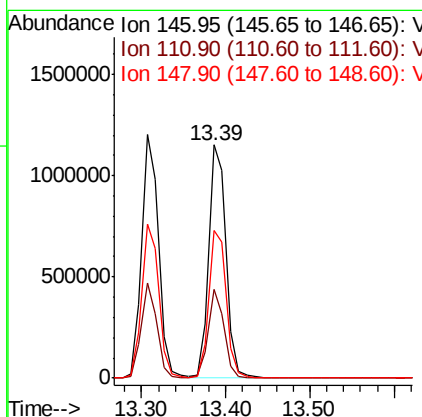
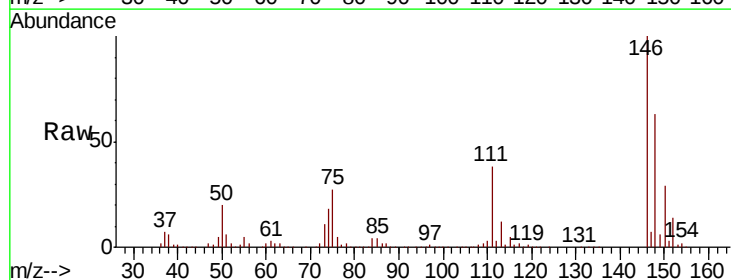
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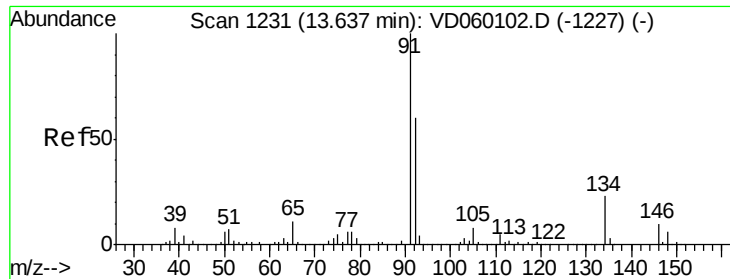
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#88
 1,4-Dichlorobenzene
 Concen: 51.544 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	17.8	53.3
148	63.3	32.4	97.2





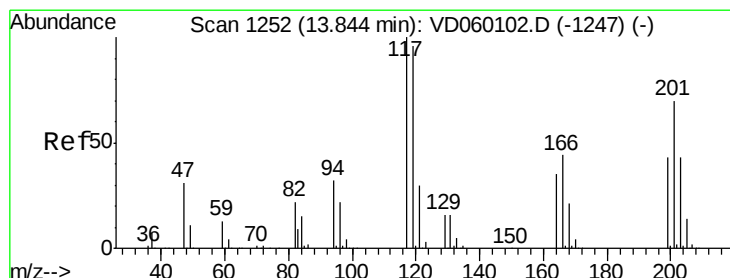
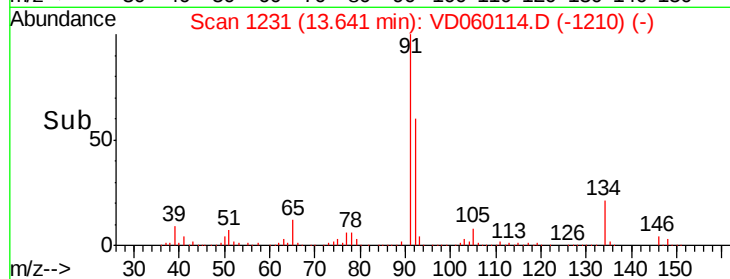
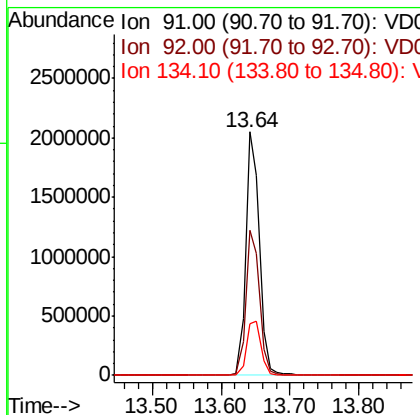
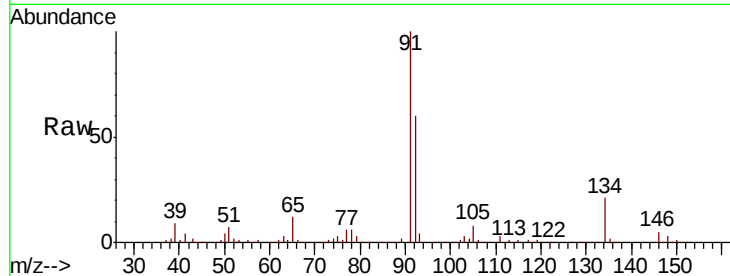
#89
n-Butylbenzene
Concen: 53.629 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2789357
Ion Ratio Lower Upper
91 100
92 59.8 30.1 90.3
134 21.5 11.6 34.7

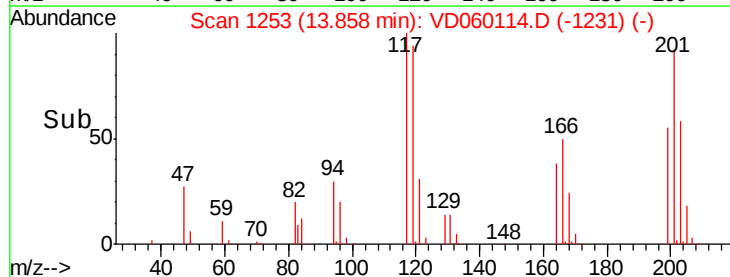
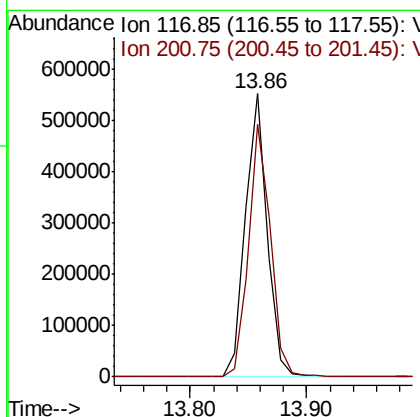
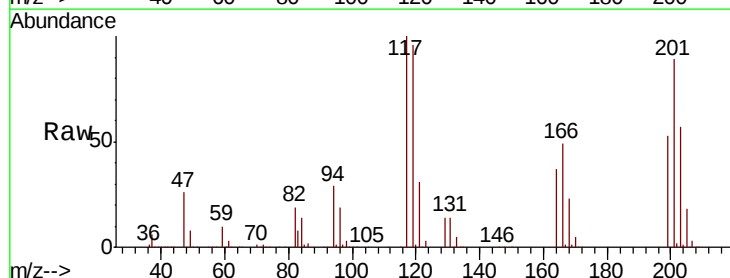
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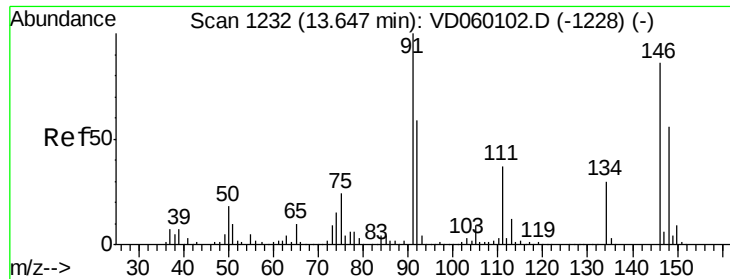
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#90
Hexachloroethane
Concen: 58.098 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion: 117 Resp: 716721
Ion Ratio Lower Upper
117 100
201 89.4 34.8 104.5





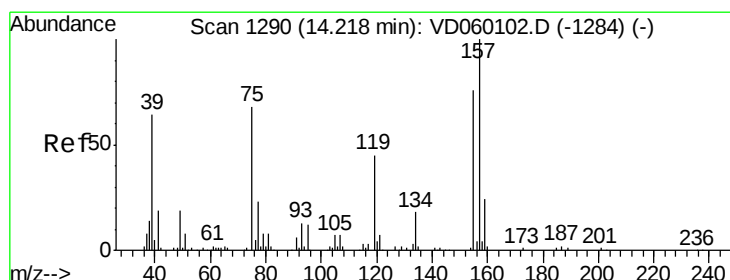
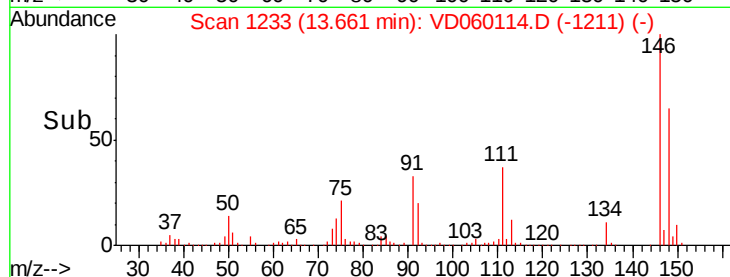
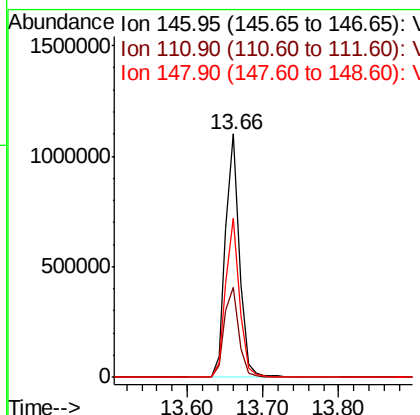
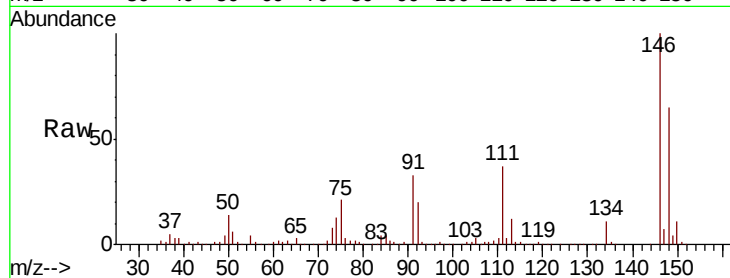
#91
 1,2-Dichlorobenzene
 Concen: 53.514 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	21.4	64.3
148	65.3	32.2	96.6

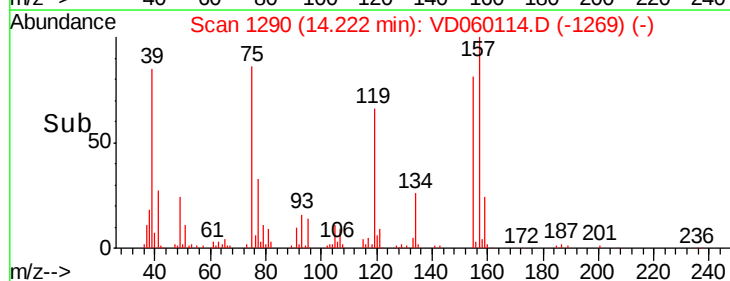
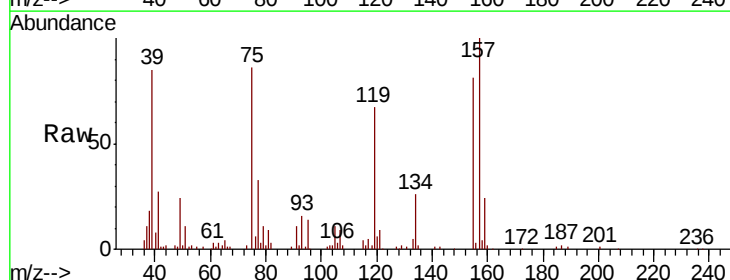
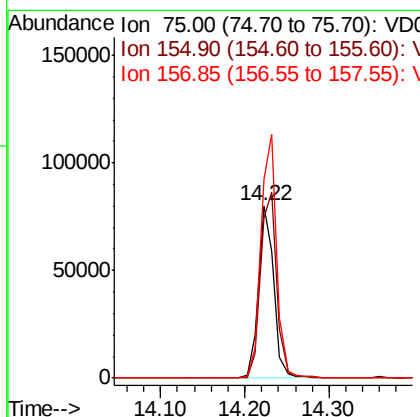
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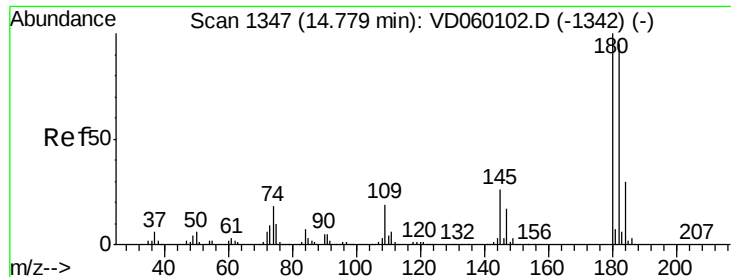
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.887 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060114.D
 Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	55.9	167.7
157	115.7	73.3	219.8





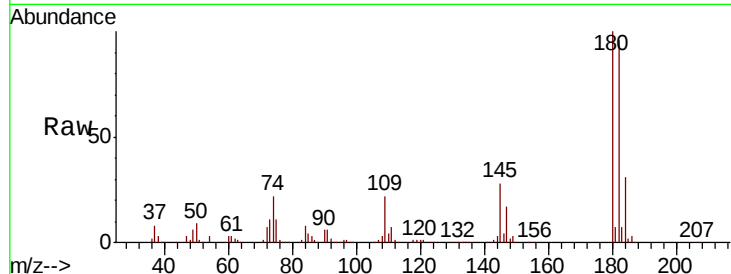
#93
1,2,4-Trichlorobenzene
Concen: 53.395 ug/l
RT: 14.78 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

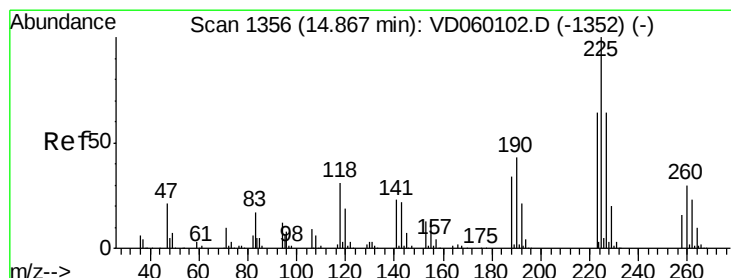
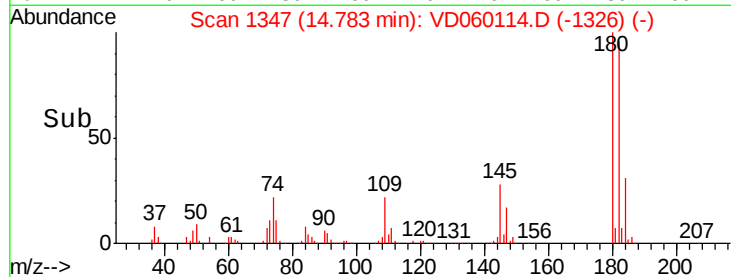
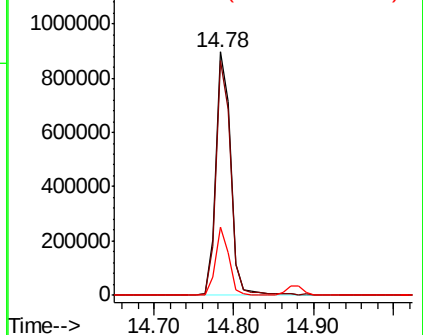
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.3	141.8
145	27.8	13.0	38.9

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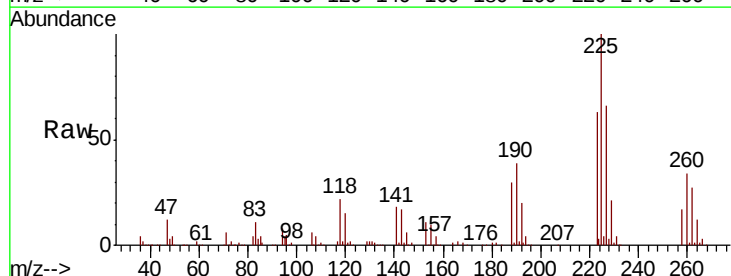


Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

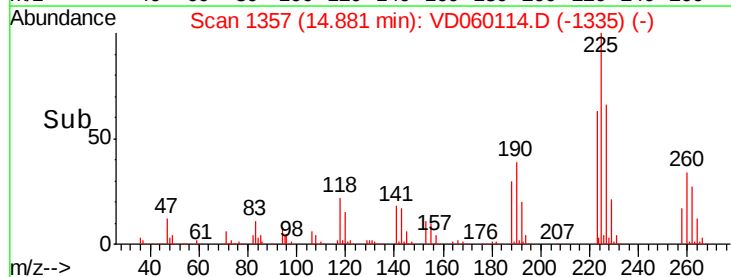
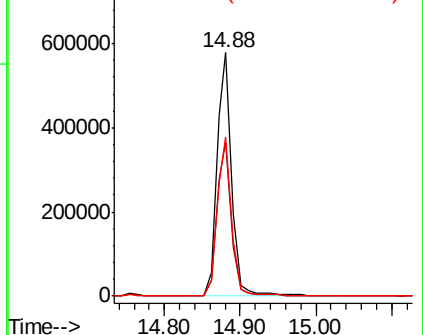


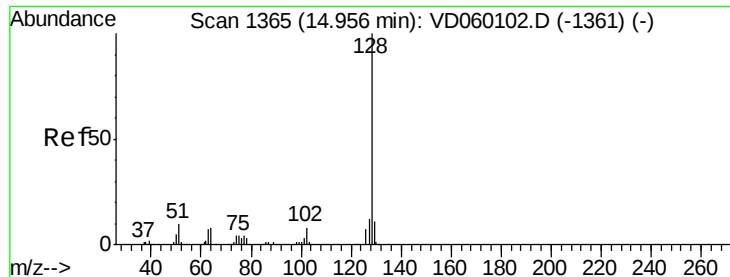
#94
Hexachlorobutadiene
Concen: 53.537 ug/l
RT: 14.88 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VD060114.D
Acq: 3 Oct 2018 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.8	95.4
227	65.6	32.0	96.0



Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 54.193 ug/l

RT: 14.97 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Instrument :

MSVOA_D

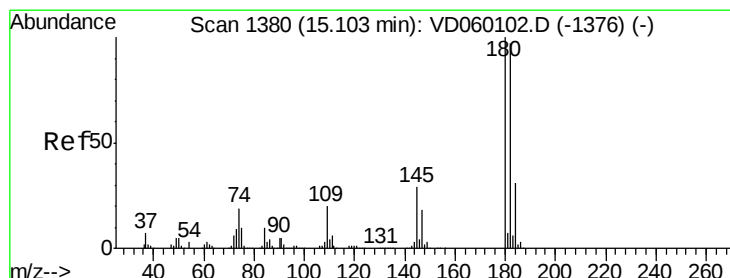
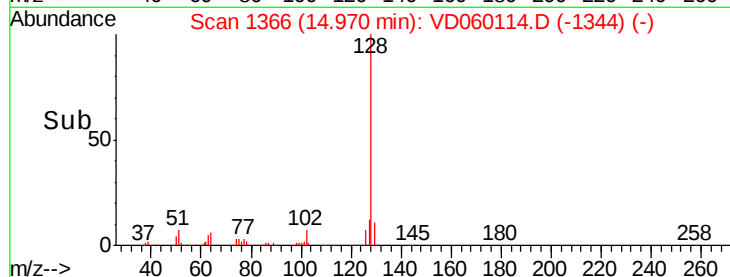
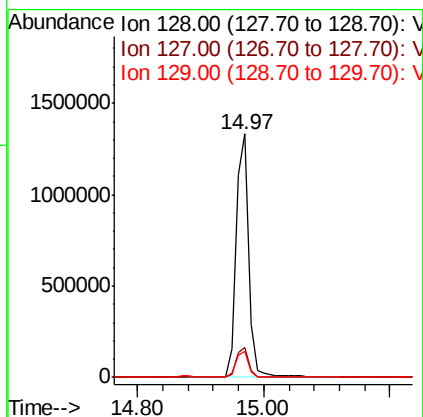
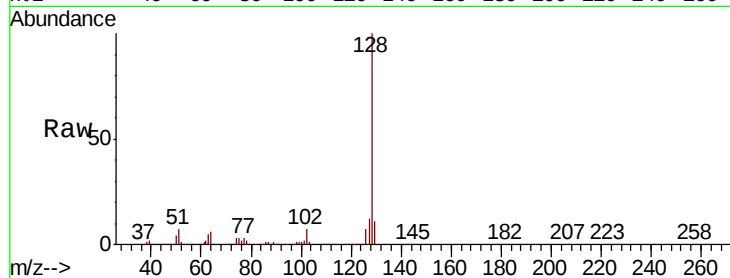
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	1796331
Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.9	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 52.690 ug/l

RT: 15.12 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD060114.D

Acq: 3 Oct 2018 12:08

Tgt Ion:	180	Resp:	1024955
Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.0
145	24.3	14.5	43.6

