

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100518\
 Data File : VD060134.D
 Acq On : 5 Oct 2018 11:25
 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

apatel
 10/8/2018 12:22:52 PM

Quant Time: Oct 05 23:53:06 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	6.39	168	1621608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2258779	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1805447	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	965343	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	647515	52.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	6.31	113	876551	51.10	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	9.45	98	2517955	51.48	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.42	95	912977	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	763494	50.052	ug/l	100
3) Chloromethane	1.74	50	722588	52.533	ug/l	99
4) Vinyl Chloride	1.84	62	604976	53.744	ug/l	98
5) Bromomethane	2.14	94	107561	76.100	ug/l	100
6) Chloroethane	2.25	64	183364	59.693	ug/l	99
7) Trichlorofluoromethane	2.49	101	730883	54.226	ug/l	100
8) Diethyl Ether	2.82	74	155232	56.009	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.07	101	481481	57.341	ug/l	98
10) Methyl Iodide	3.23	142	502074	56.384	ug/l	99
11) Tert butyl alcohol	3.95	59	211659	240.094	ug/l	98
12) 1,1-Dichloroethene	3.05	96	377263	57.032	ug/l	97
13) Acrolein	2.96	56	131937	242.781	ug/l	97
14) Allyl chloride	3.52	41	751588	54.706	ug/l	97
15) Acrylonitrile	4.07	53	944865	258.944	ug/l	98
16) Acetone	3.14	43	637009	285.599	ug/l	99
17) Carbon Disulfide	3.30	76	1203242	54.091	ug/l	99
18) Methyl Acetate	3.54	43	264929	55.263	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	1529557	52.590	ug/l	98
20) Methylene Chloride	3.70	84	913075	52.197	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	875824	51.264	ug/l	98
22) Diisopropyl ether	4.83	45	3210234	52.321	ug/l	94
23) Vinyl Acetate	4.78	43	8971929	260.143	ug/l	99
24) 1,1-Dichloroethane	4.74	63	1419705	51.033	ug/l	99
25) 2-Butanone	5.60	43	1511333	271.229	ug/l	99
26) 2,2-Dichloropropane	5.57	77	1180054	55.954	ug/l	100
27) cis-1,2-Dichloroethene	5.58	96	944821	52.198	ug/l	97
28) Bromochloromethane	5.91	49	728413	53.882	ug/l	98
29) Tetrahydrofuran	5.94	42	835201	258.049	ug/l	99
30) Chloroform	6.08	83	1506846	53.547	ug/l	98
31) Cyclohexane	6.35	56	1315292	49.391	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	1216582	52.769	ug/l	99
36) 1,1-Dichloropropene	6.51	75	1120937	51.932	ug/l	99
37) Ethyl Acetate	5.68	43	717474	50.078	ug/l	97
38) Carbon Tetrachloride	6.49	117	1040372	53.106	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	1273662	51.934	ug/l	98
40) Benzene	6.78	78	2903532	51.418	ug/l	99
41) Methacrylonitrile	5.92	41	390481m	48.220	ug/l	
42) 1,2-Dichloroethane	6.88	62	842752	52.055	ug/l	100
43) Isopropyl Acetate	8.34	43	967635	51.337	ug/l #	99
44) Trichloroethene	7.73	130	895303	51.218	ug/l	99
45) 1,2-Dichloropropane	8.09	63	773154	52.290	ug/l	99
46) Dibromomethane	8.20	93	482242	50.377	ug/l	93
47) Bromodichloromethane	8.48	83	1083775	53.135	ug/l	100
48) Methyl methacrylate	8.23	41	542464	50.525	ug/l	99
49) 1,4-Dioxane	8.22	88	99097	938.071	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	3006416	252.885	ug/l	100
52) Toluene	9.54	92	1873566	51.517	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	972190	52.677	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1212596	53.207	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	599093	50.390	ug/l	99
56) Ethyl methacrylate	10.02	69	691124	52.661	ug/l	98
57) 1,3-Dichloropropane	10.37	76	918213	50.639	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.91	63	1896174	260.183	ug/l	97
59) 2-Hexanone	10.48	43	2216367	259.261	ug/l	99
60) Dibromochloromethane	10.63	129	763765	52.359	ug/l	95
61) 1,2-Dibromoethane	10.75	107	641484	50.780	ug/l	98
64) Tetrachloroethene	10.25	164	795501	50.306	ug/l	97
65) Chlorobenzene	11.31	112	2008002	51.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	692536	53.150	ug/l	99
67) Ethyl Benzene	11.42	91	3225115	50.964	ug/l	100
68) m/p-Xylenes	11.57	106	2403838	101.666	ug/l	96
69) o-Xylene	11.93	106	1211572	51.804	ug/l	98
70) Styrene	11.95	104	2009317	51.375	ug/l	99
71) Bromoform	12.11	173	583324	55.286	ug/l	98
73) Isopropylbenzene	12.27	105	3206459	50.348	ug/l	99
74) N-amyl acetate	12.13	43	1203337	51.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	702000	50.491	ug/l	98
76) 1,2,3-Trichloropropane	12.59	75	718811	51.705	ug/l	100
77) Bromobenzene	12.54	156	946355	51.136	ug/l	83
78) n-propylbenzene	12.64	91	3940671	49.832	ug/l	95
79) 2-Chlorotoluene	12.70	91	2263483	51.573	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	2489370	50.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.33	75	212610	54.427	ug/l	97
82) 4-Chlorotoluene	12.81	91	2503676	50.435	ug/l	99
83) tert-Butylbenzene	13.04	119	2930937	51.818	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	2513186	48.379	ug/l	99
85) sec-Butylbenzene	13.22	105	3291622	49.219	ug/l	100
86) p-Isopropyltoluene	13.34	119	2757429	50.269	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1651412	51.217	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1608965	49.680	ug/l	99
89) n-Butylbenzene	13.64	91	2743072	51.250	ug/l	99
90) Hexachloroethane	13.85	117	703305	55.400	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1377868	50.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	99394	53.541	ug/l	92

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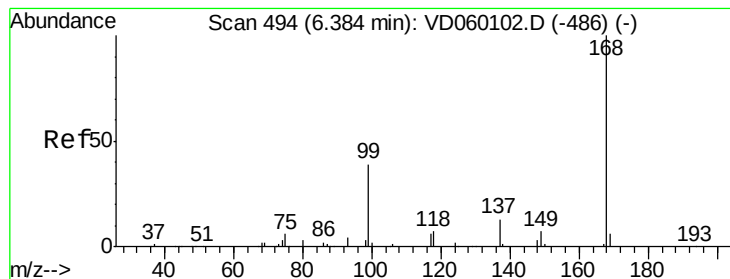
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	1140653	49.568	ug/l	98
94) Hexachlorobutadiene	14.87	225	782032	51.126	ug/l	100
95) Naphthalene	14.96	128	1675191	49.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	968877	48.400	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1621608

Ion Ratio Lower Upper

168 100

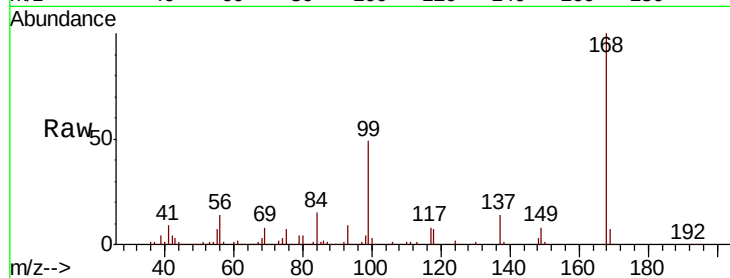
99 49.5 35.4 53.0

Manual Integrations

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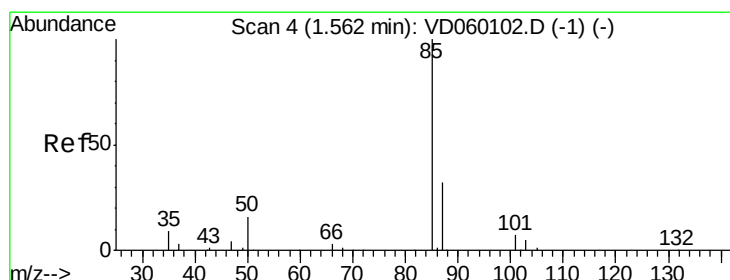
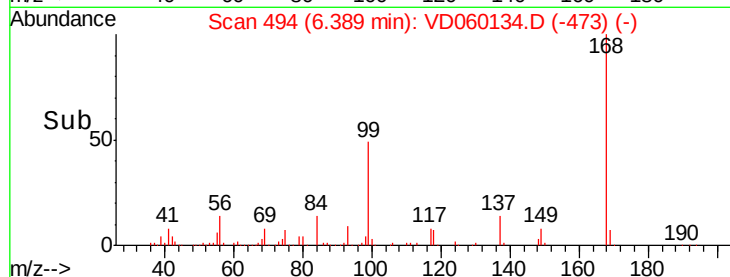
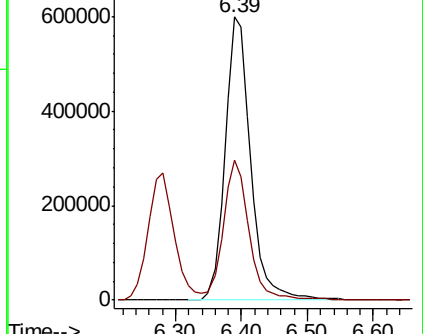
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 50.052 ug/l

RT: 1.58 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060134.D

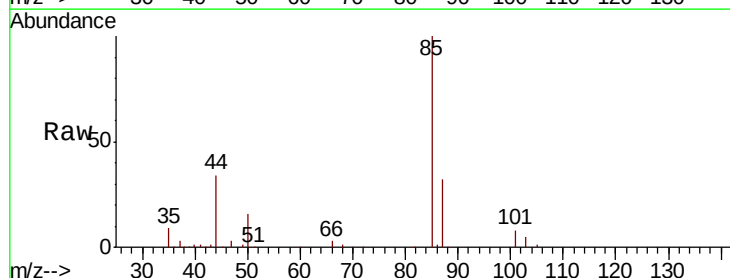
Acq: 5 Oct 2018 11:25

Tgt Ion: 85 Resp: 763494

Ion Ratio Lower Upper

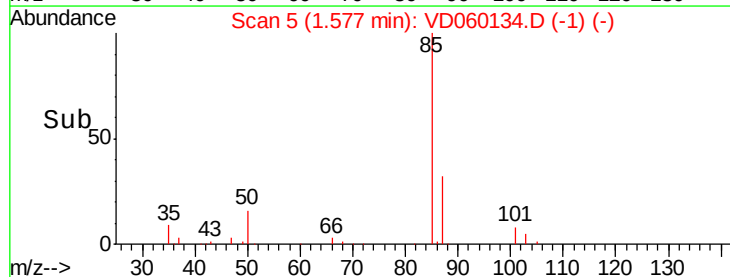
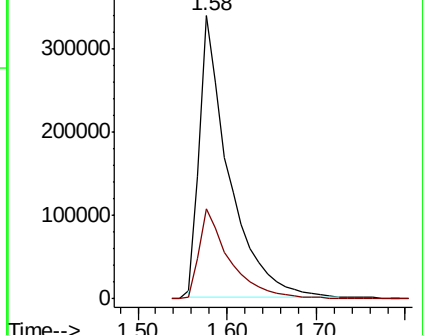
85 100

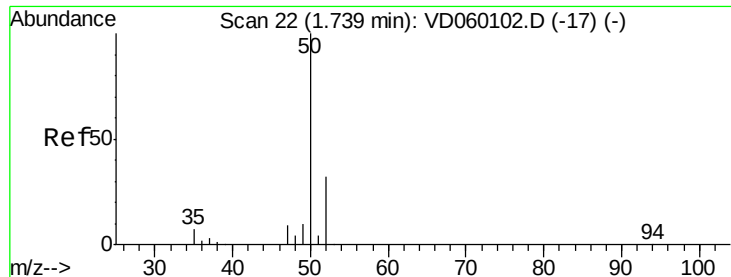
87 31.9 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.533 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 722588

Ion Ratio Lower Upper

50 100

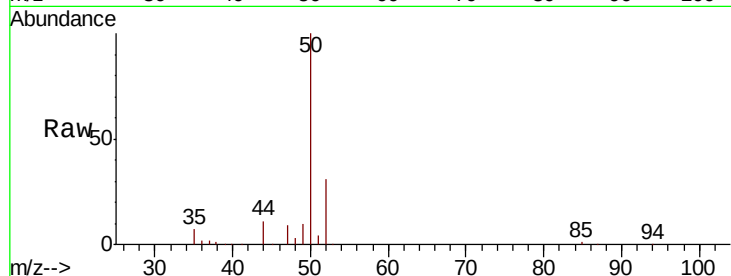
52 31.3 25.3 37.9

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.74

250000

200000

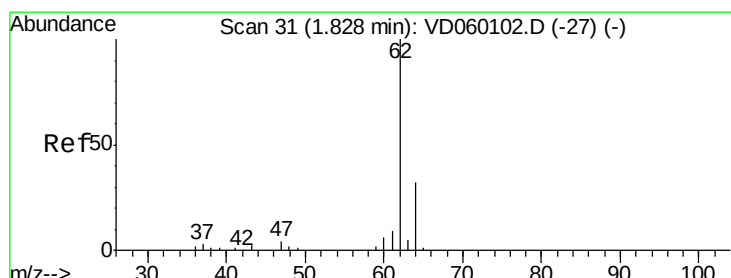
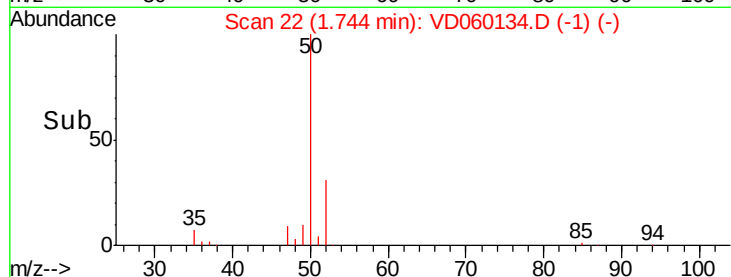
150000

100000

50000

0

Time--> 1.60 1.70 1.80 1.90



#4

Vinyl Chloride

Concen: 53.744 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060134.D

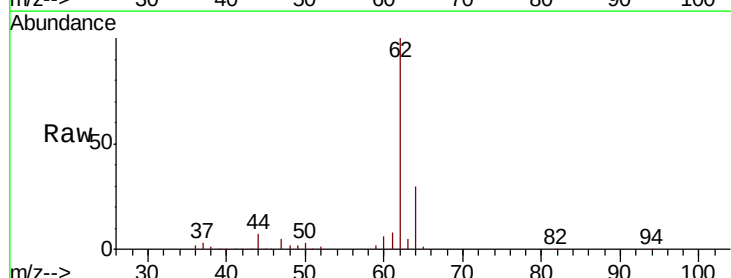
Acq: 5 Oct 2018 11:25

Tgt Ion: 62 Resp: 604976

Ion Ratio Lower Upper

62 100

64 30.2 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.84

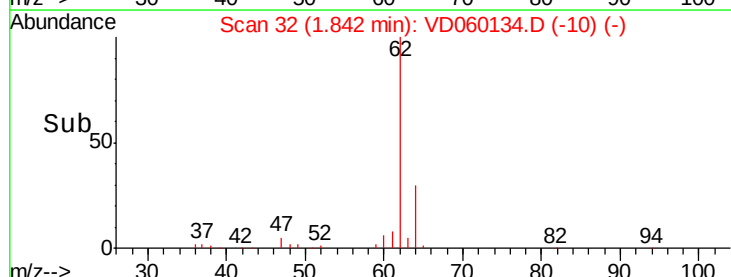
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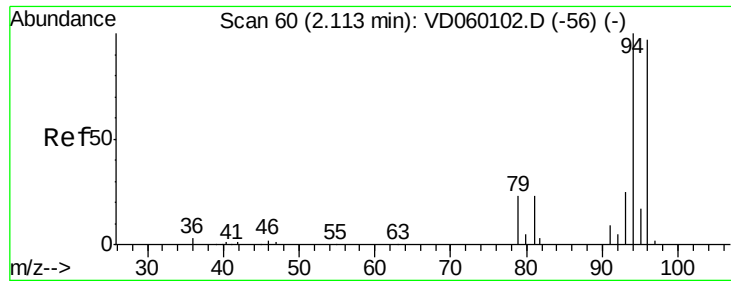
200000

100000

0

Time--> 1.70 1.80 1.90 2.00





#5

Bromomethane

Concen: 76.100 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 107561

Ion Ratio Lower Upper

94 100

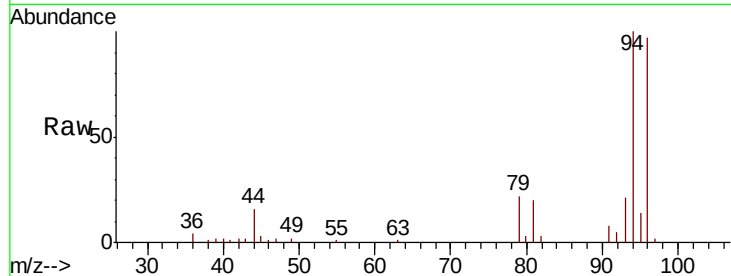
96 96.9 77.4 116.2

Manual Integrations

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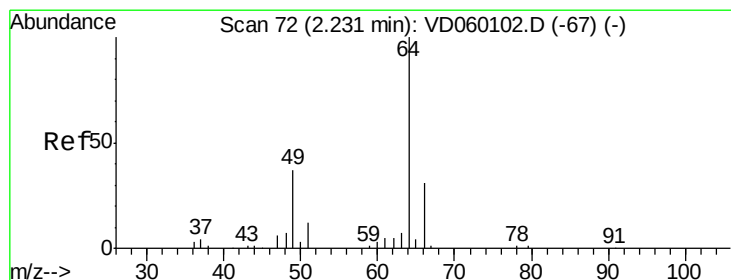
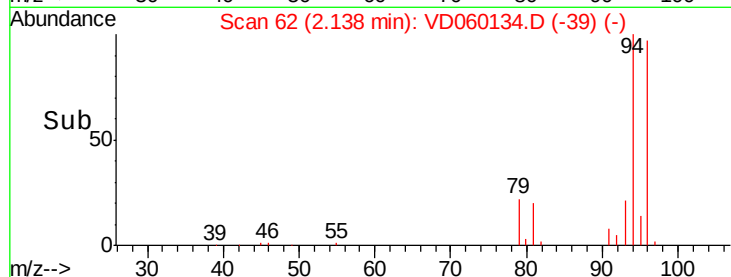
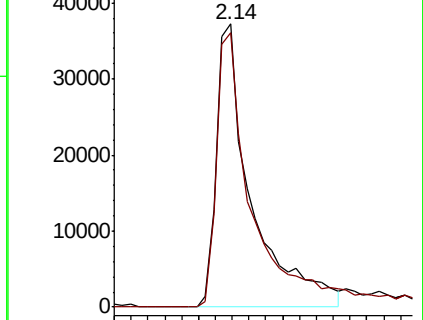
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 59.693 ug/l

RT: 2.25 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD060134.D

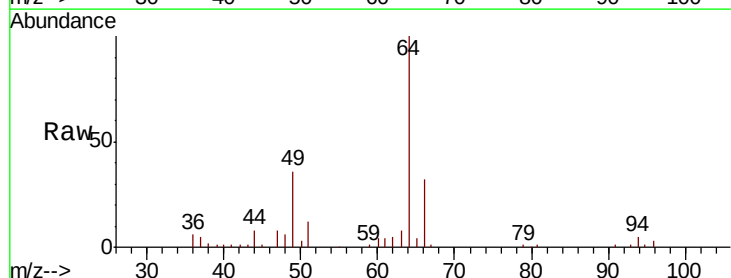
Acq: 5 Oct 2018 11:25

Tgt Ion: 64 Resp: 183364

Ion Ratio Lower Upper

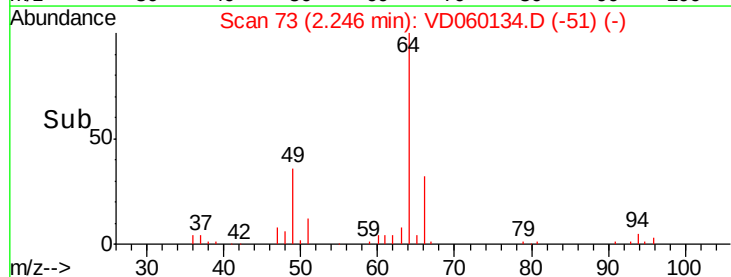
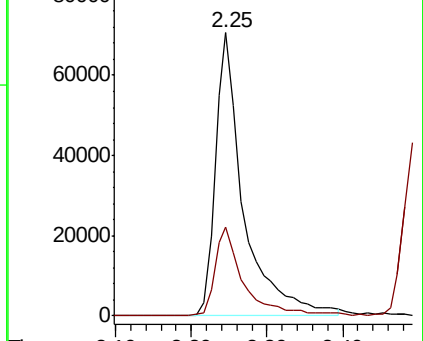
64 100

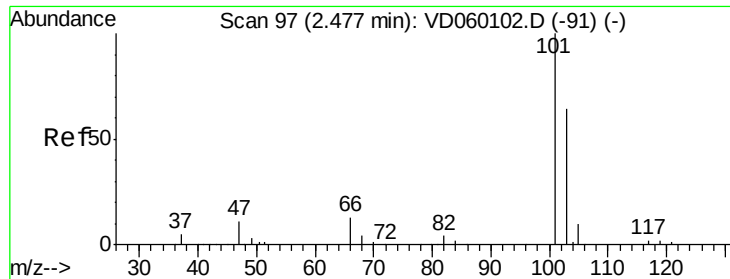
66 31.5 24.6 37.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

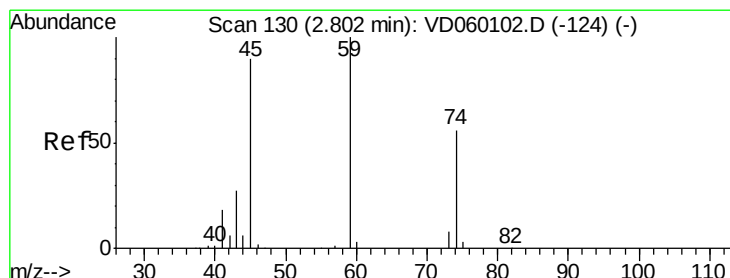
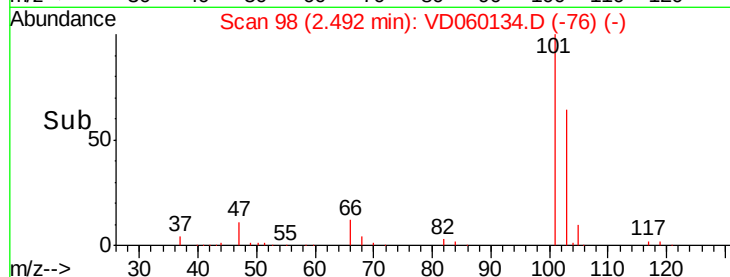
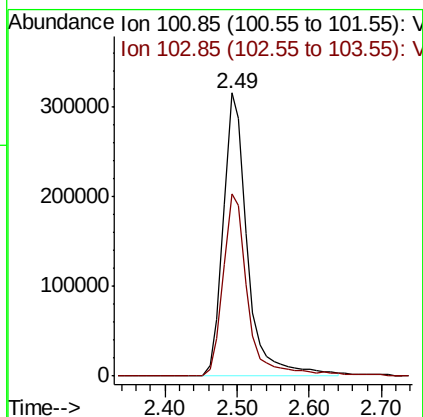
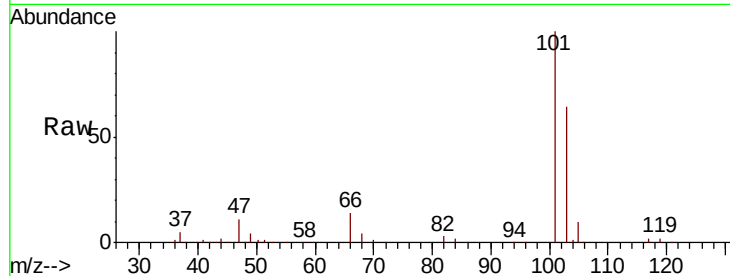
Trichlorofluoromethane
 Concen: 54.226 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

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 VSTDCCC050

Tot Ion:101 Resp: 730883
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

Manual Integrations
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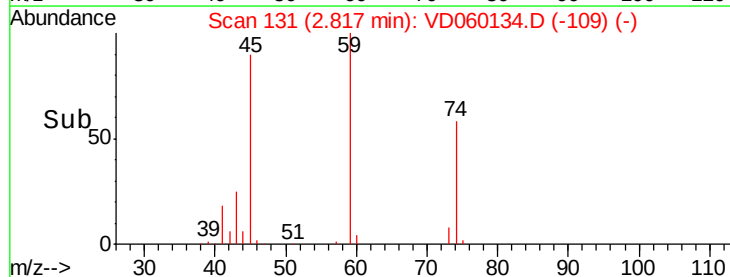
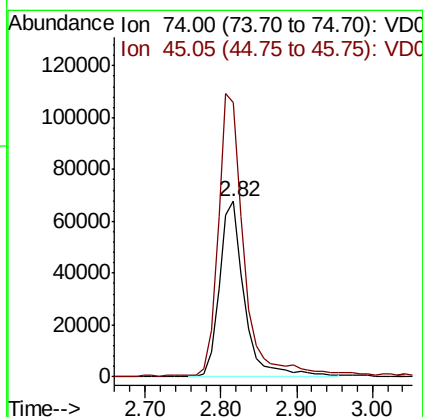
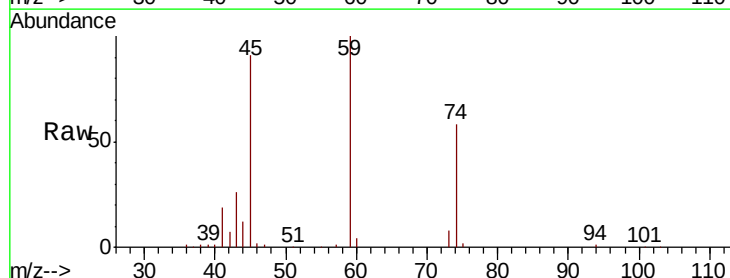
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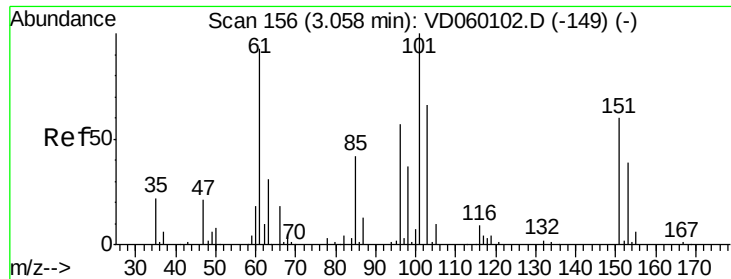


#8

Diethyl Ether
 Concen: 56.009 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 74 Resp: 155232
 Ion Ratio Lower Upper
 74 100
 45 156.7 80.3 241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.341 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

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MSVOA_D

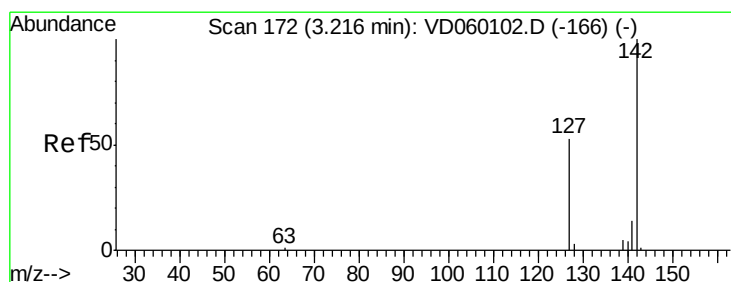
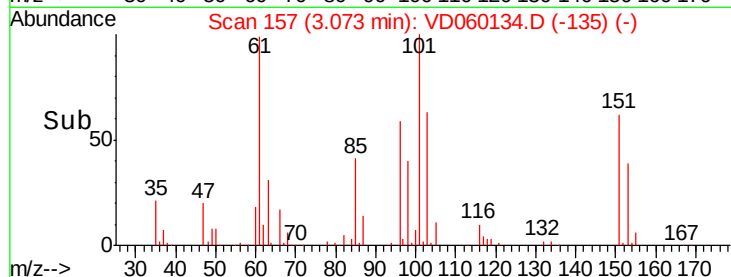
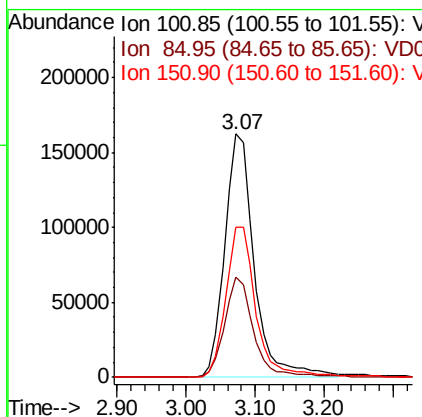
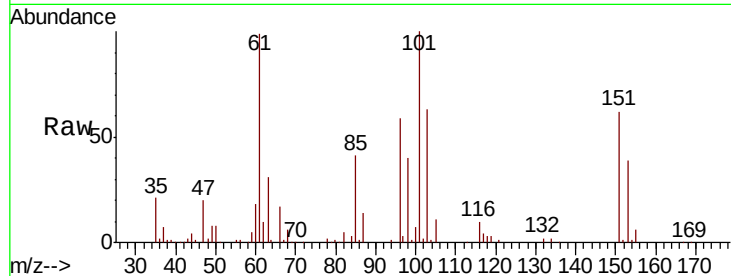
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	481481
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.4	50.0
151	61.6	48.0	72.0

Manual Integrations
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#10

Methyl Iodide

Concen: 56.384 ug/l

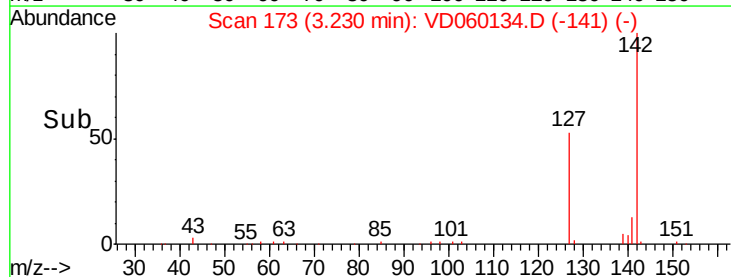
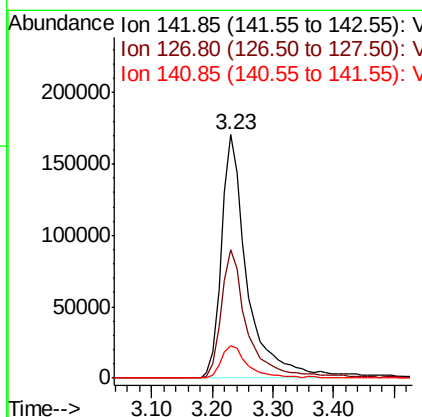
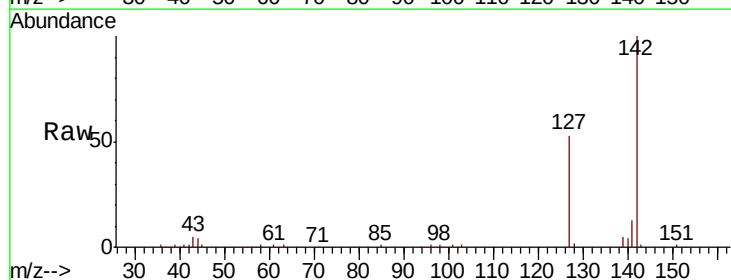
RT: 3.23 min Scan# 173

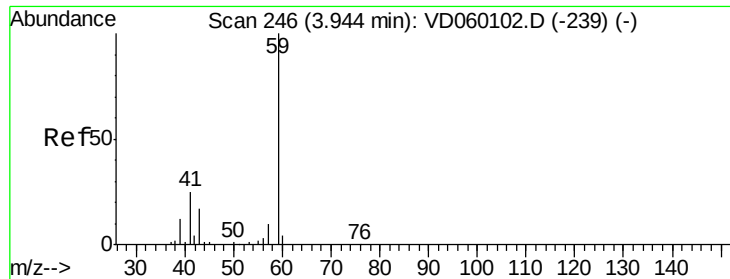
Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion:	142	Resp:	502074
Ion Ratio	Lower	Upper	
142	100		
127	52.9	42.0	63.0
141	13.4	11.4	17.0





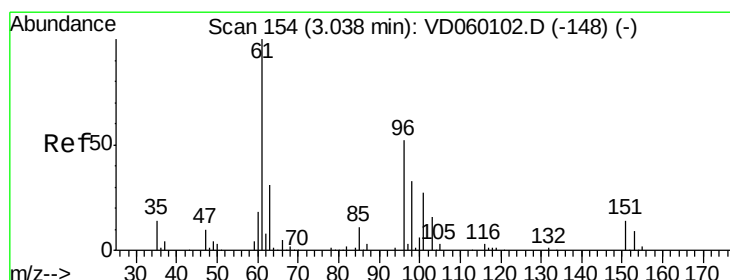
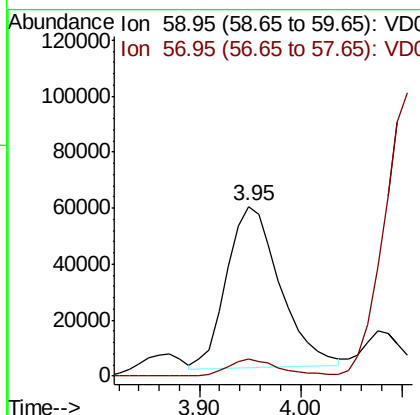
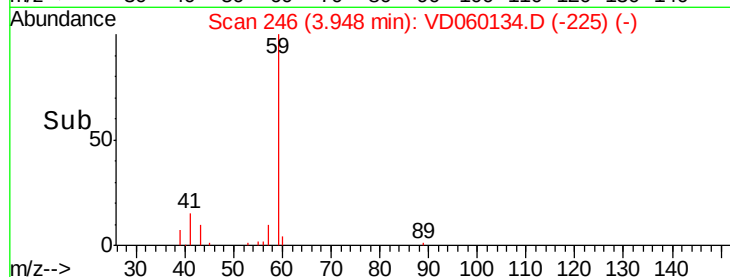
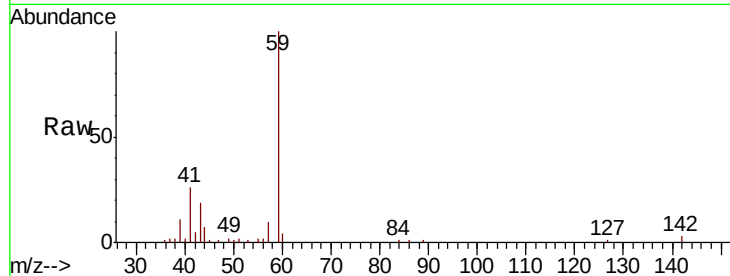
#11
Tert butyl alcohol
Concen: 240.094 ug/l
RT: 3.95 min Scan# 246
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 211659
Ion Ratio Lower Upper
59 100
57 10.3 7.8 11.6

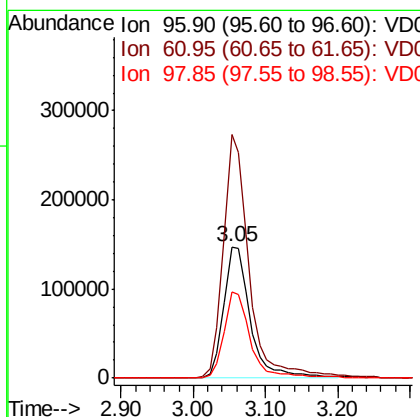
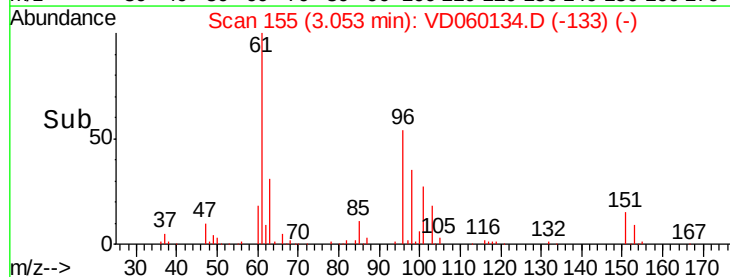
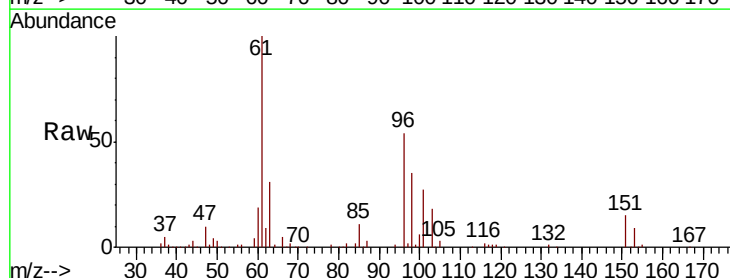
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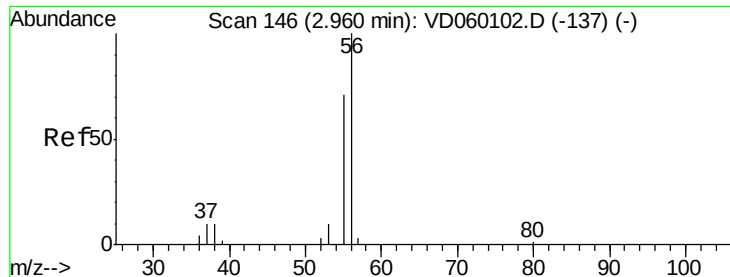
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#12
1,1-Dichloroethene
Concen: 57.032 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 96 Resp: 377263
Ion Ratio Lower Upper
96 100
61 185.9 153.0 229.4
98 65.8 51.1 76.7





#13

Acrolein

Concen: 242.781 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 131937

Ion Ratio Lower Upper

56 100

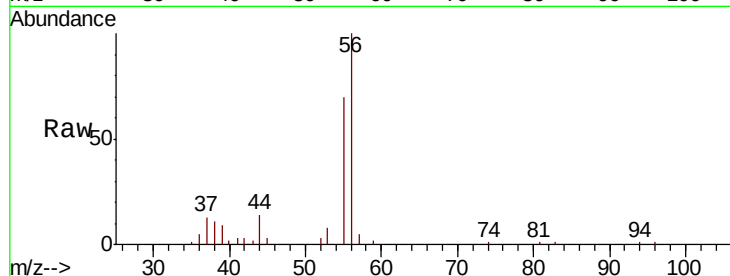
55 69.7 57.4 86.2

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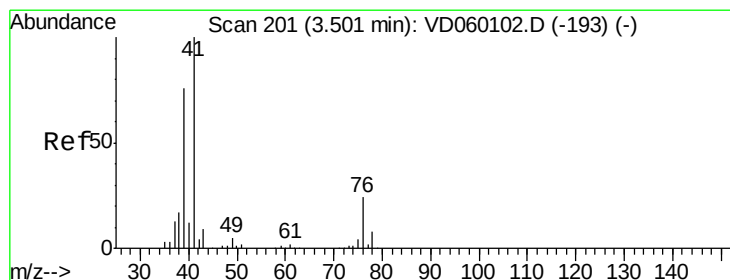
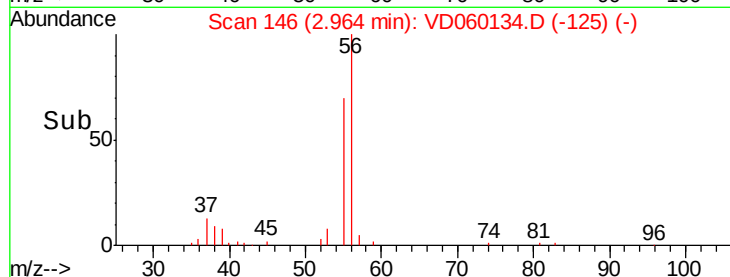
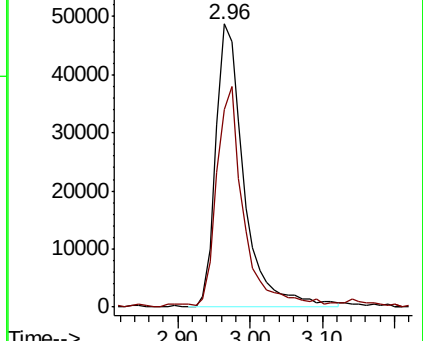
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.706 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

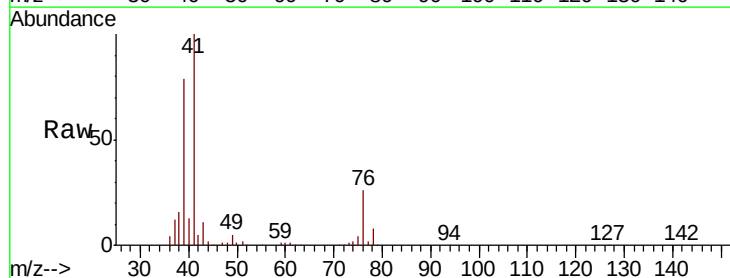
Tgt Ion: 41 Resp: 751588

Ion Ratio Lower Upper

41 100

39 78.9 60.6 90.8

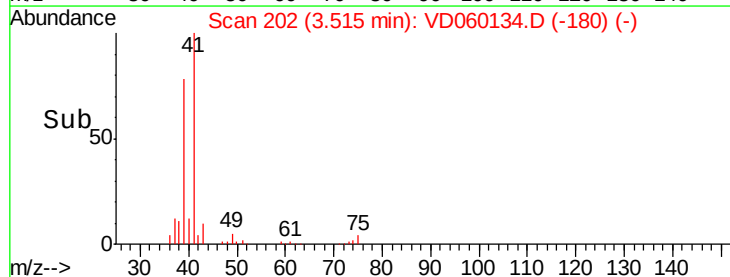
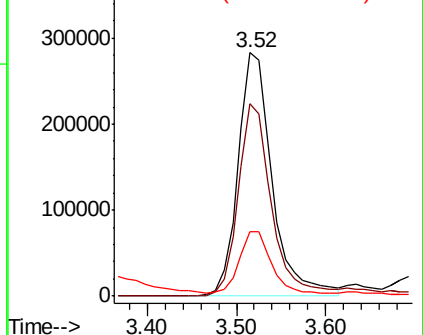
76 26.2 21.3 31.9

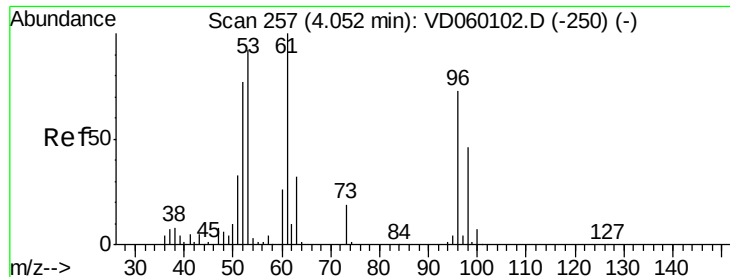


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 258.944 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

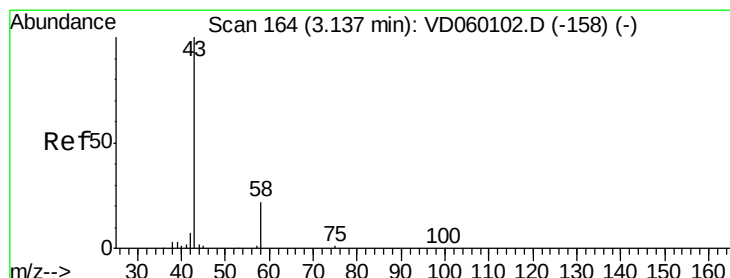
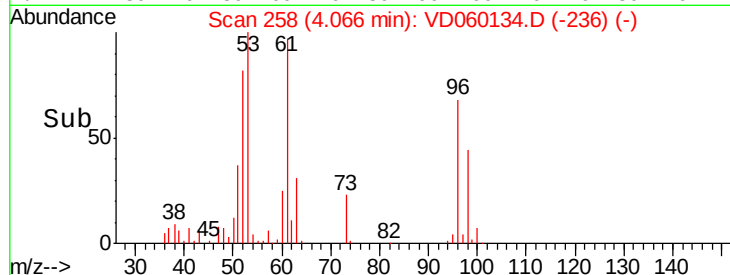
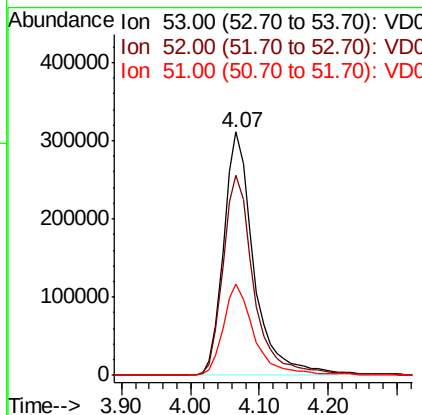
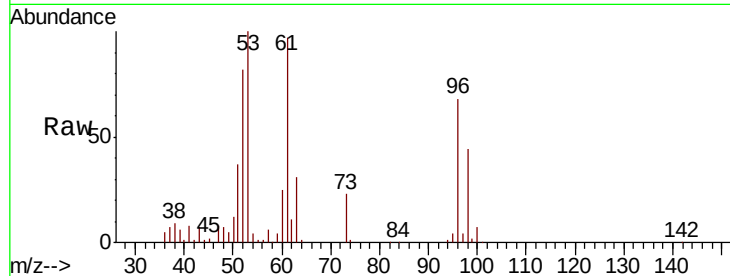
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	944865
Ion Ratio	Lower	Upper	
53	100		
52	82.1	67.5	101.3
51	37.5	29.3	43.9

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#16

Acetone

Concen: 285.599 ug/l

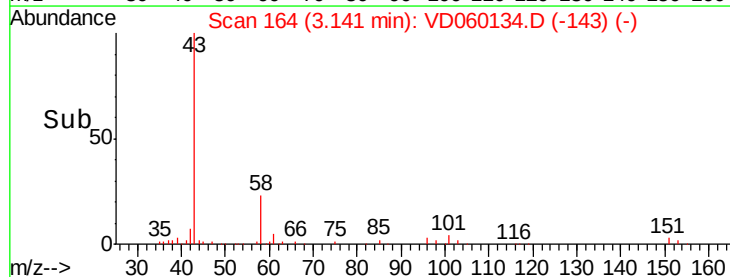
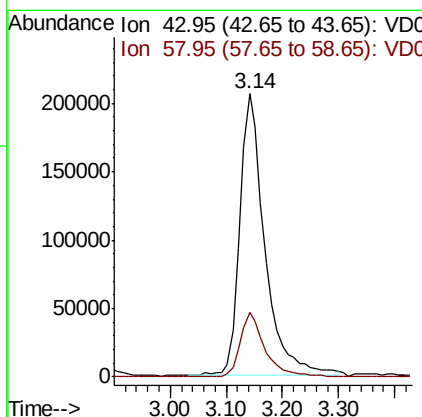
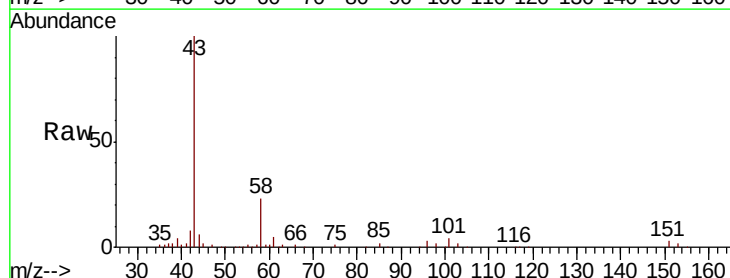
RT: 3.14 min Scan# 164

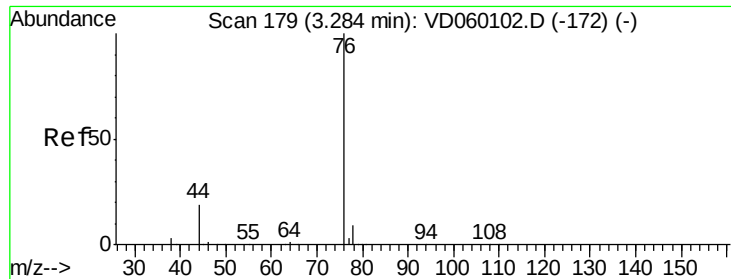
Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion:	43	Resp:	637009
Ion Ratio	Lower	Upper	
43	100		
58	22.6	17.7	26.5





#17

Carbon Disulfide

Concen: 54.091 ug/l

RT: 3.30 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1203242

Ion Ratio Lower Upper

76 100

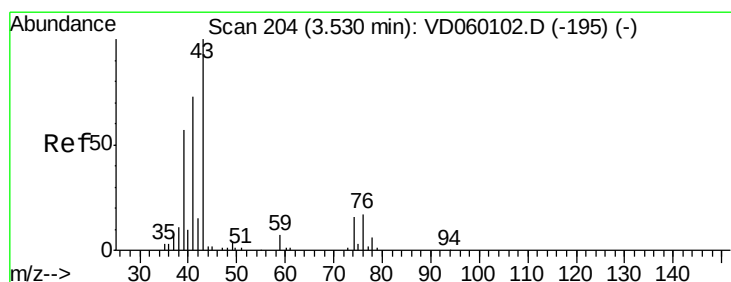
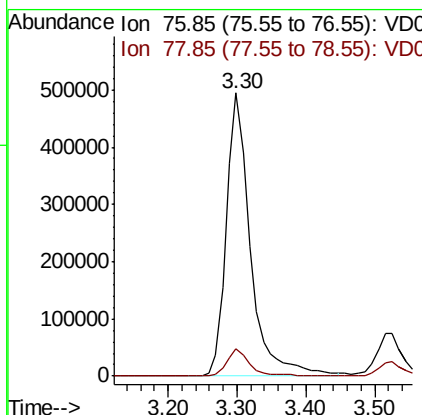
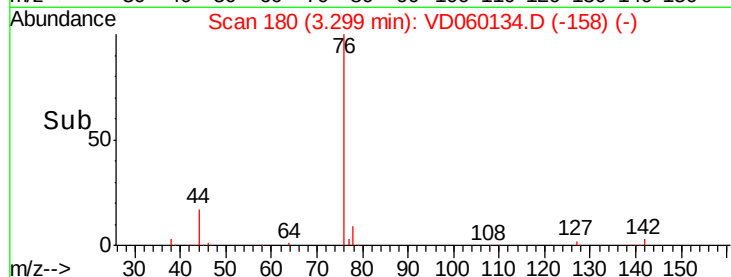
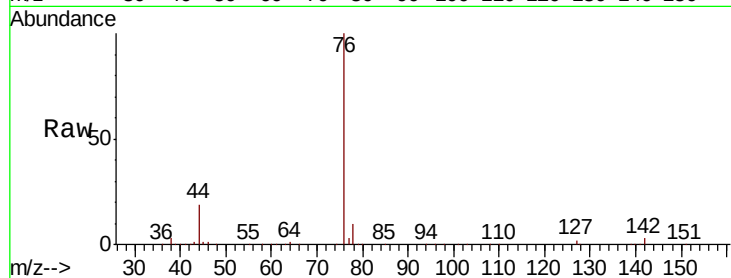
78 9.6 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 55.263 ug/l

RT: 3.54 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060134.D

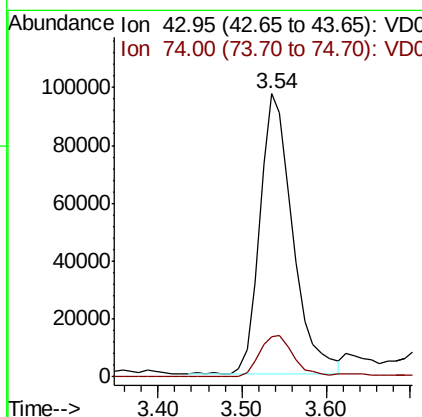
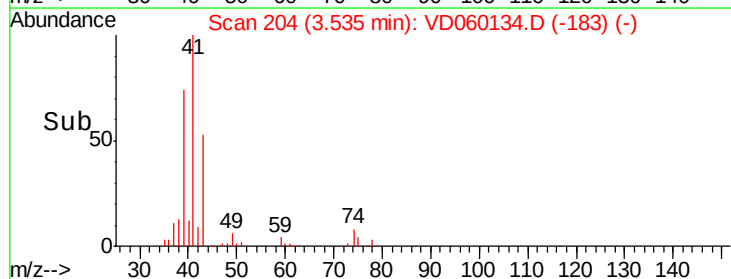
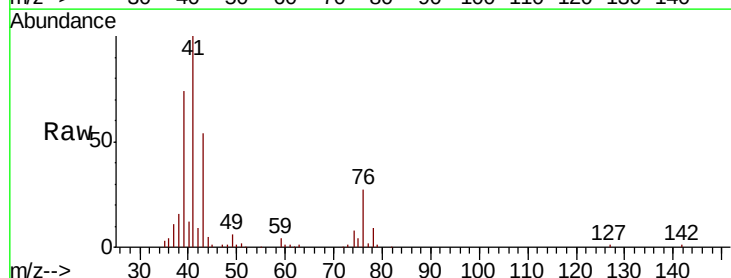
Acq: 5 Oct 2018 11:25

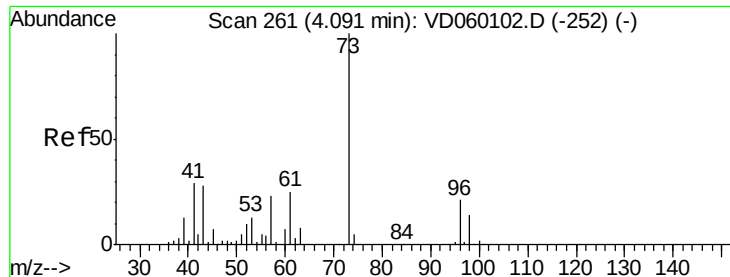
Tgt Ion: 43 Resp: 264929

Ion Ratio Lower Upper

43 100

74 14.0 12.6 19.0





#19

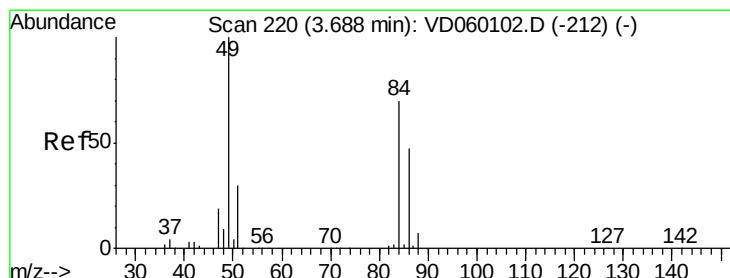
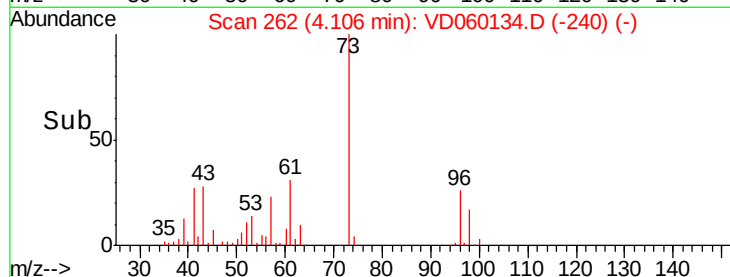
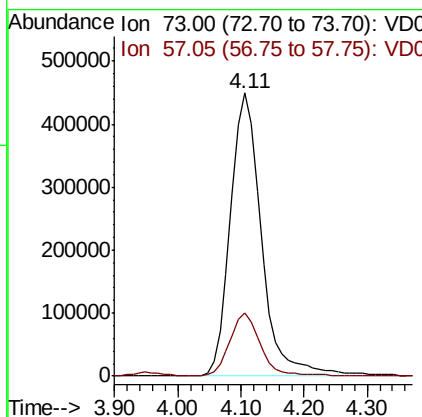
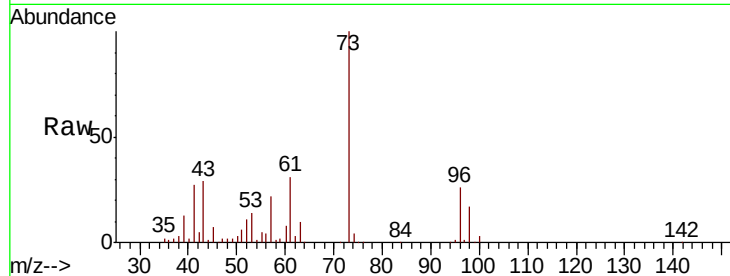
Methyl tert-butyl Ether
 Concen: 52.590 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1529557
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.7 28.1

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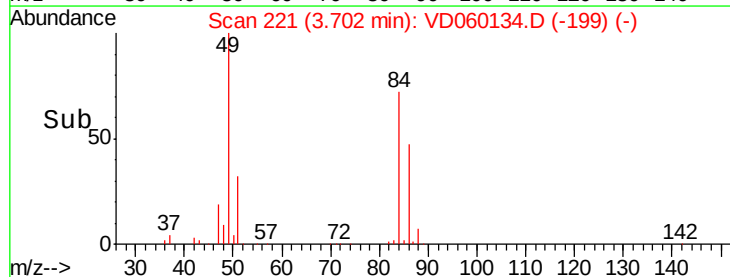
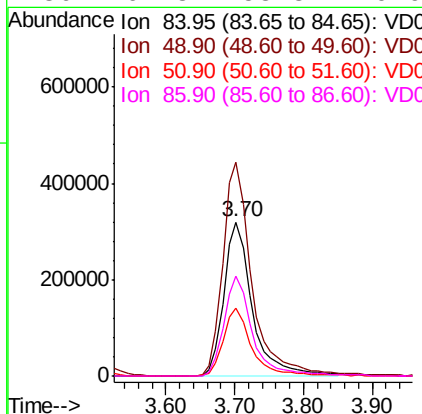
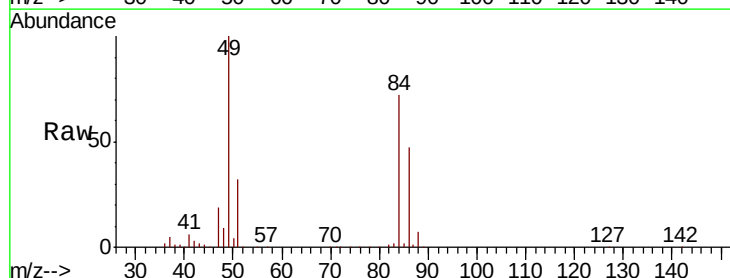
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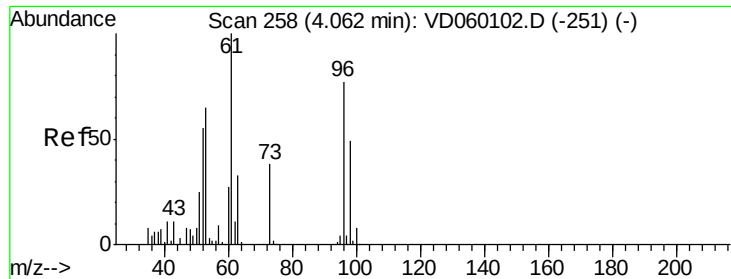


#20

Methylene Chloride
 Concen: 52.197 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.02 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 84 Resp: 913075
 Ion Ratio Lower Upper
 84 100
 49 139.0 114.6 172.0
 51 43.9 33.8 50.8
 86 64.8 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 51.264 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

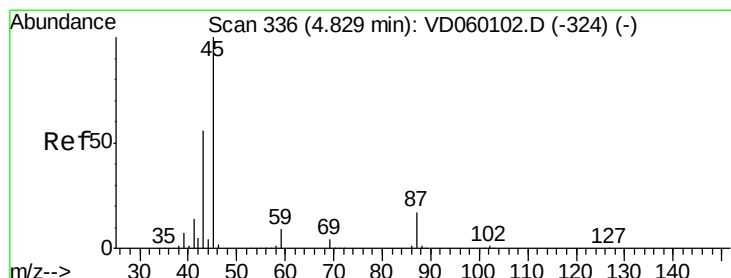
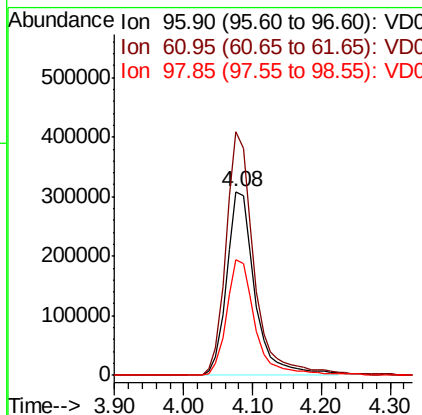
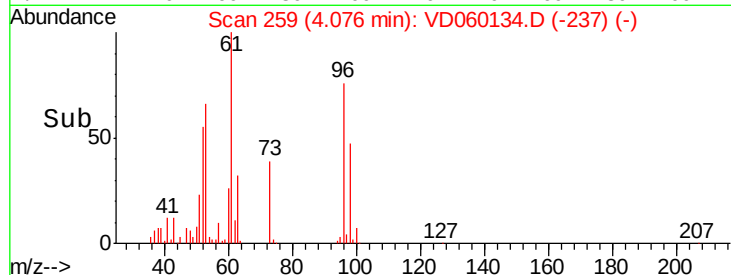
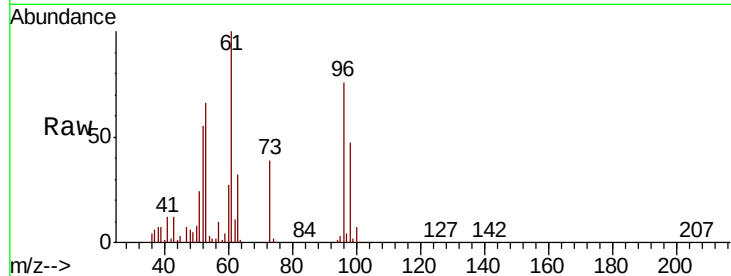
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	875824
Ion	Ratio	Lower	Upper
96	100		
61	132.4	103.3	154.9
98	62.7	50.4	75.6

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#22

Diisopropyl ether

Concen: 52.321 ug/l

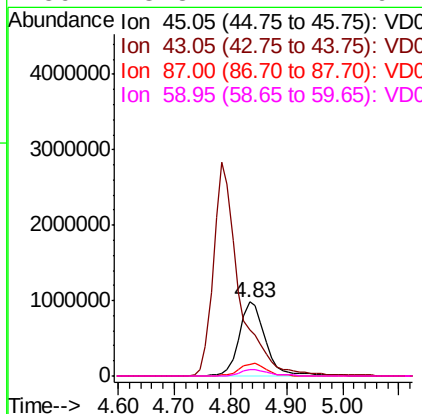
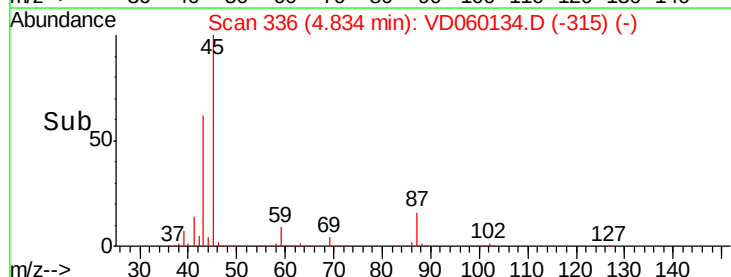
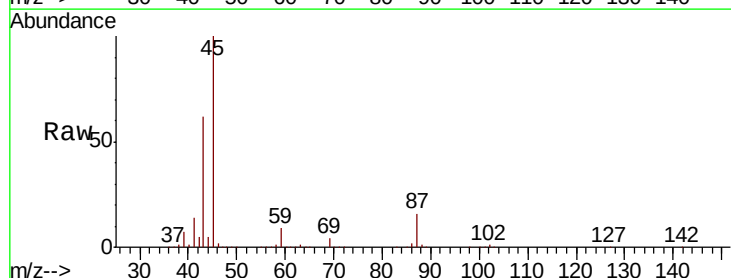
RT: 4.83 min Scan# 336

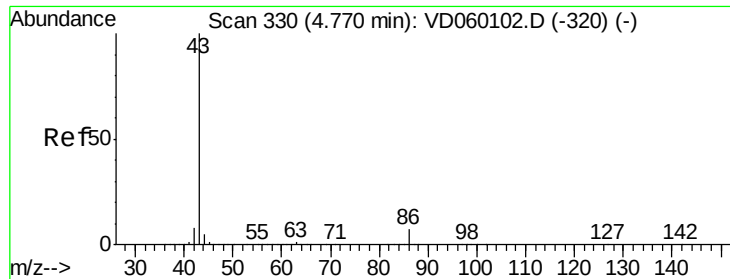
Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion:	45	Resp:	3210234
Ion	Ratio	Lower	Upper
45	100		
43	61.9	44.8	67.2
87	16.5	13.9	20.9
59	8.8	7.1	10.7





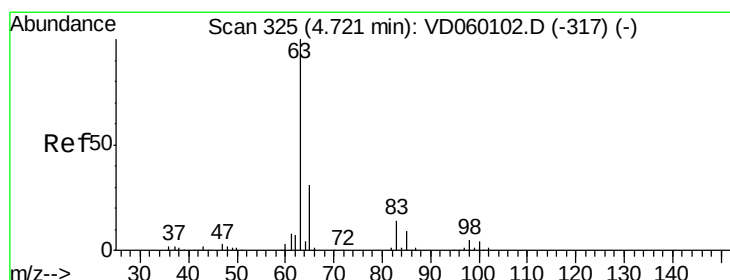
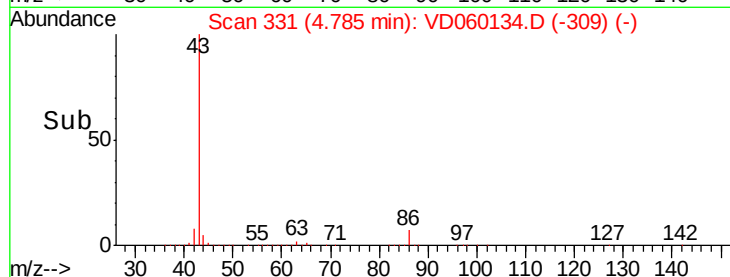
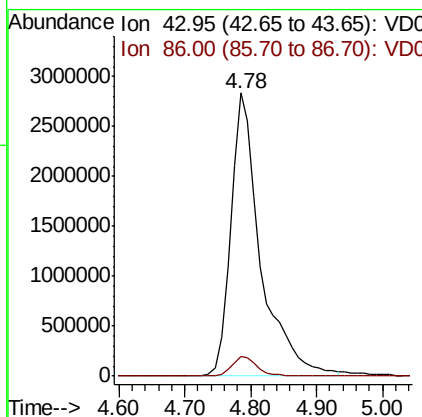
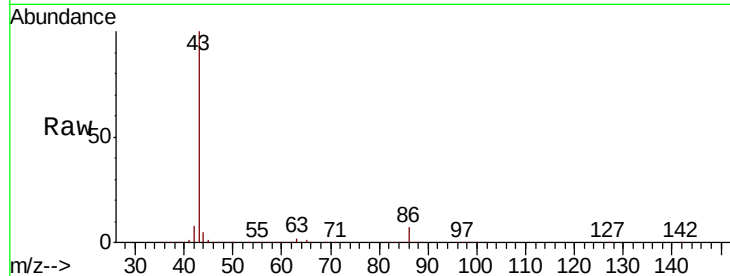
#23
 Vinyl Acetate
 Concen: 260.143 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 8971929
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.6 8.4

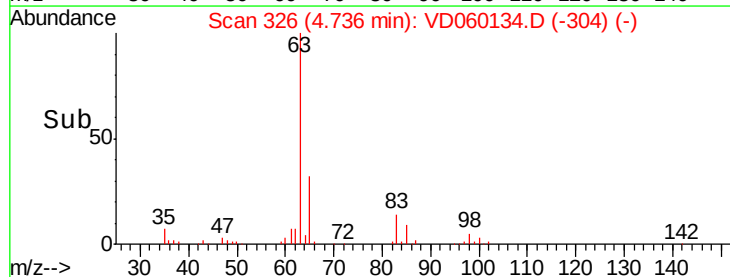
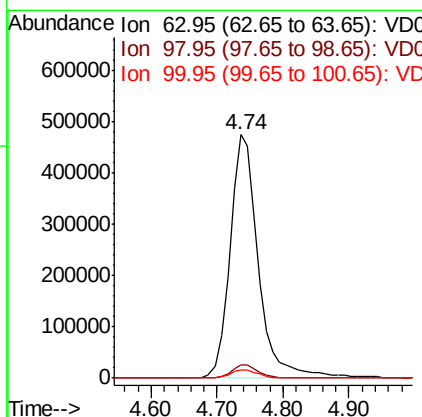
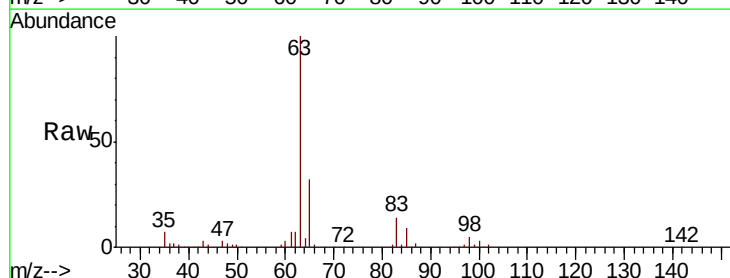
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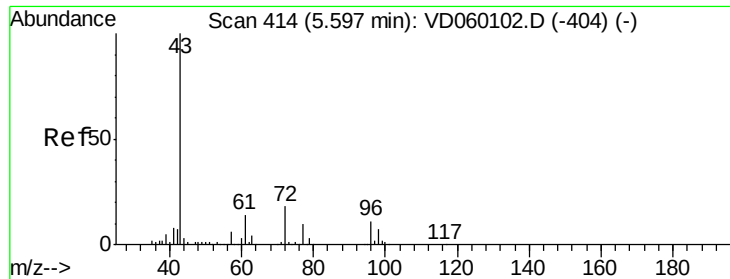
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#24
 1,1-Dichloroethane
 Concen: 51.033 ug/l
 RT: 4.74 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 63 Resp: 1419705
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.8 8.3
 100 3.3 1.8 5.3





#25

2-Butanone

Concen: 271.229 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1511333

Ion Ratio Lower Upper

43 100

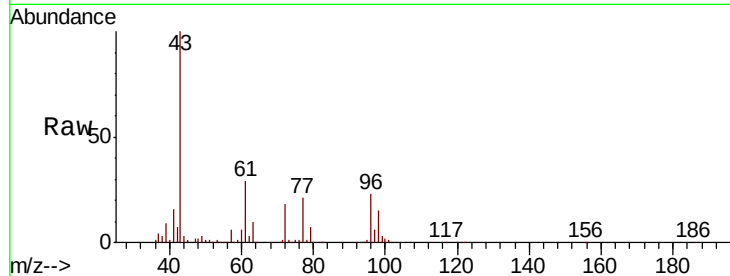
72 17.8 14.5 21.7

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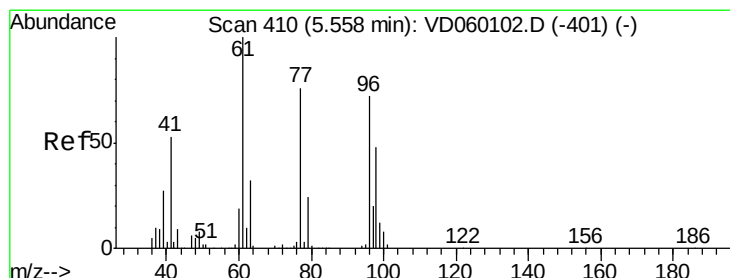
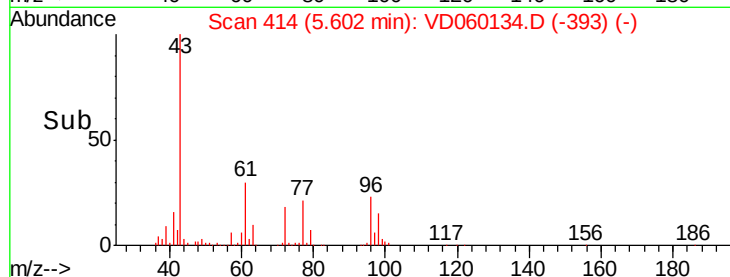
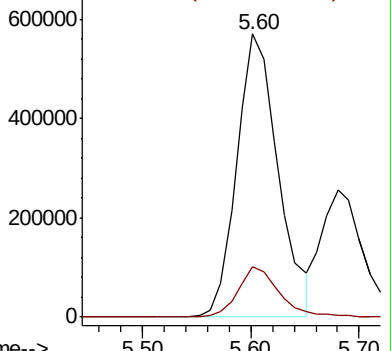
apatel

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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: 55.954 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060134.D

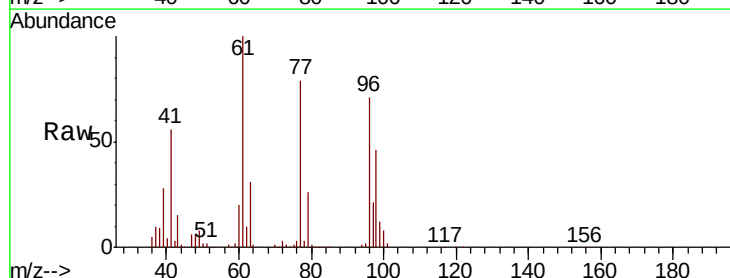
Acq: 5 Oct 2018 11:25

Tgt Ion: 77 Resp: 1180054

Ion Ratio Lower Upper

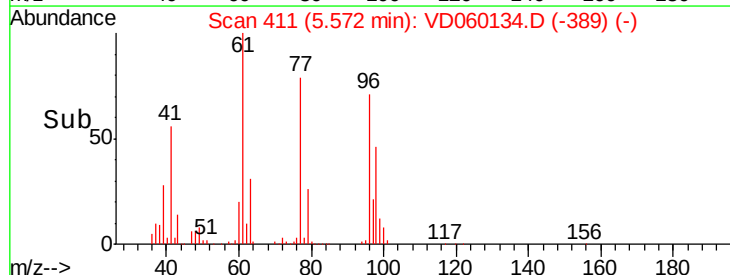
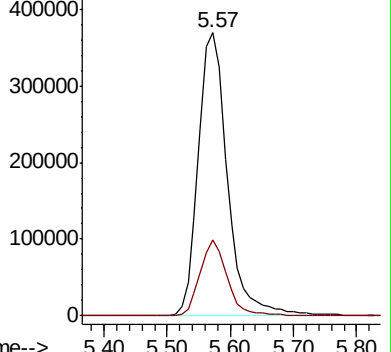
77 100

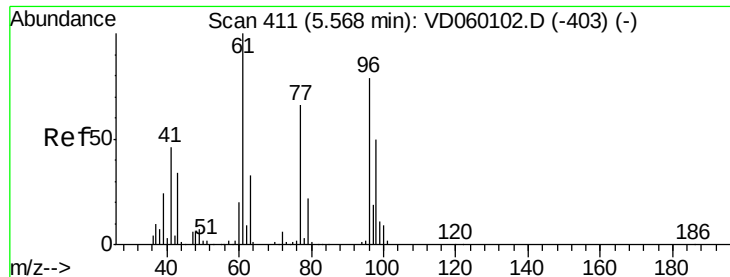
97 26.8 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

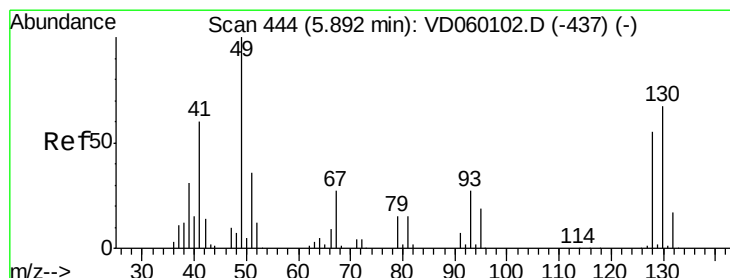
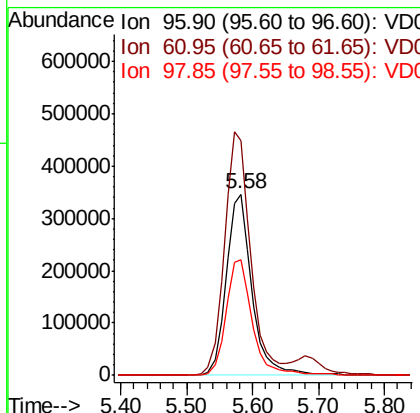
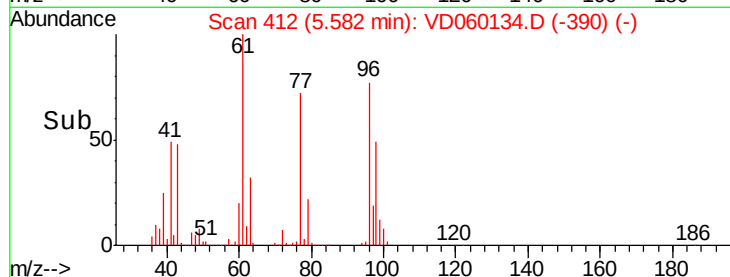
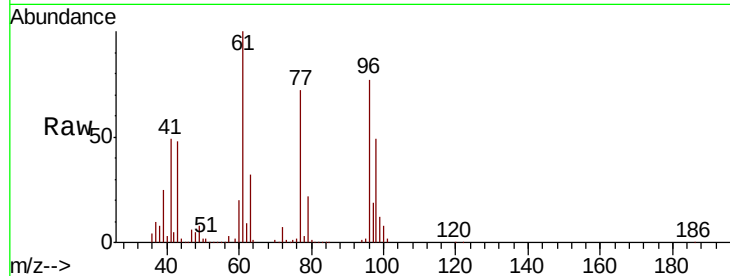
cis-1,2-Dichloroethene
 Concen: 52.198 ug/l
 RT: 5.58 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.7	0.0	251.8	
98	63.7	0.0	125.2	

Manual Integrations
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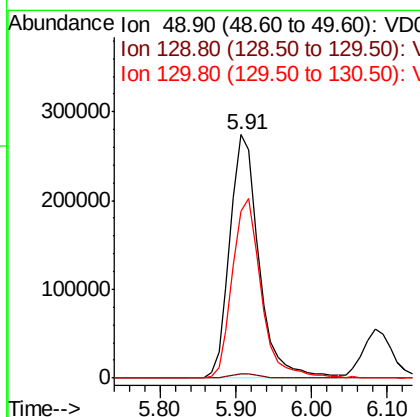
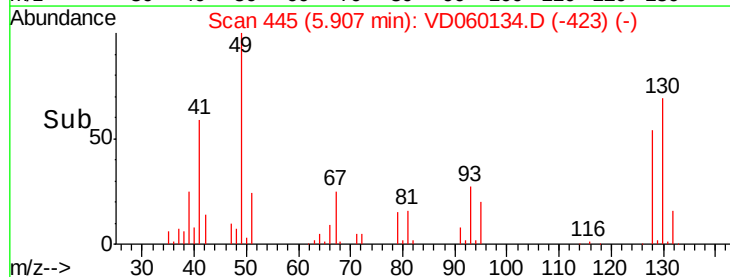
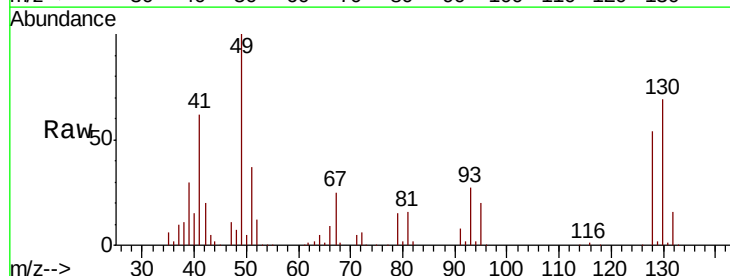
apatel
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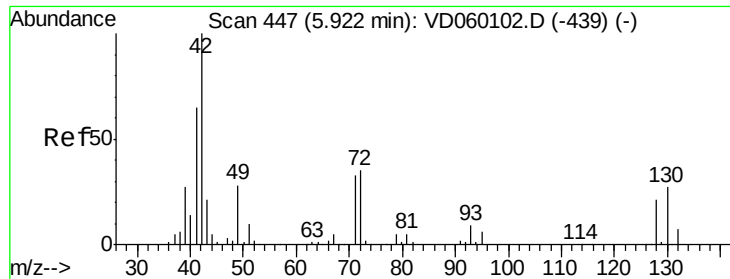


#28

Bromochloromethane
 Concen: 53.882 ug/l
 RT: 5.91 min Scan# 445
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	68.8	53.9	80.9	





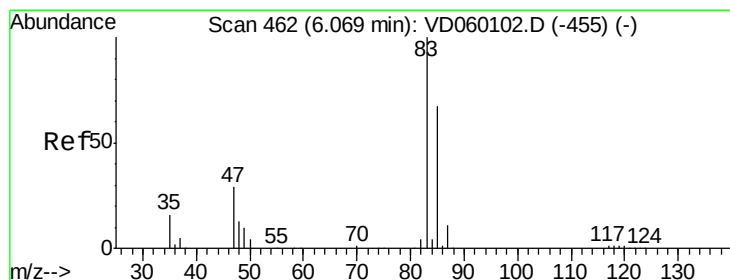
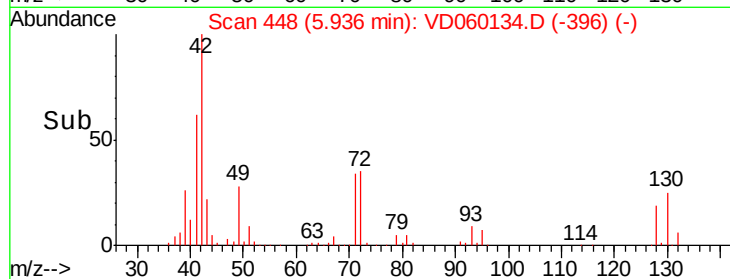
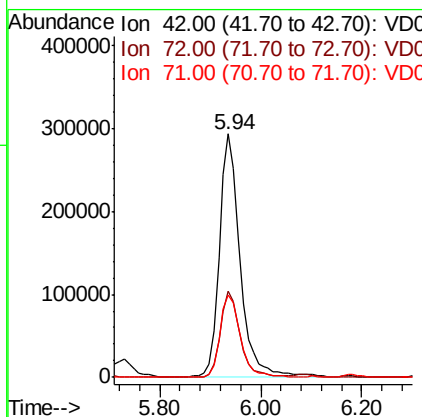
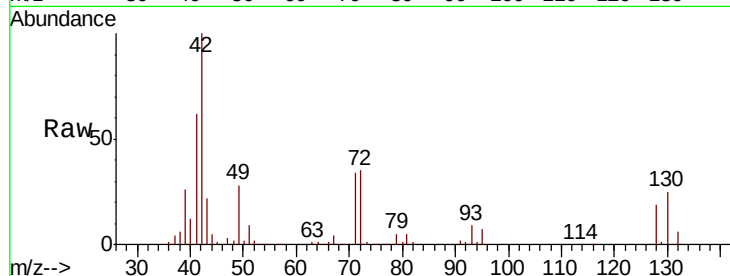
#29
Tetrahydrofuran
Concen: 258.049 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.9	26.9	40.3
71	33.7	26.7	40.1

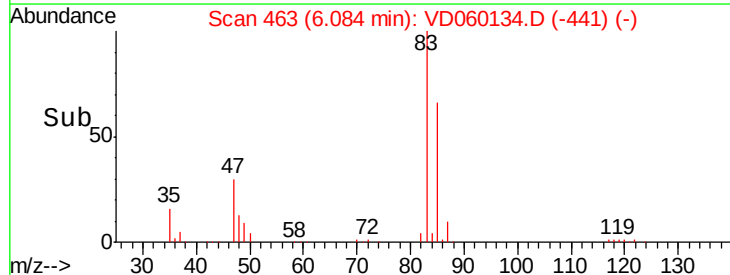
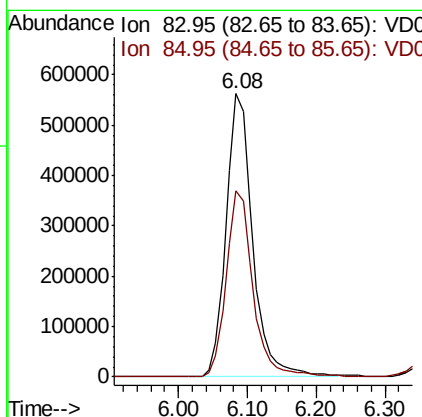
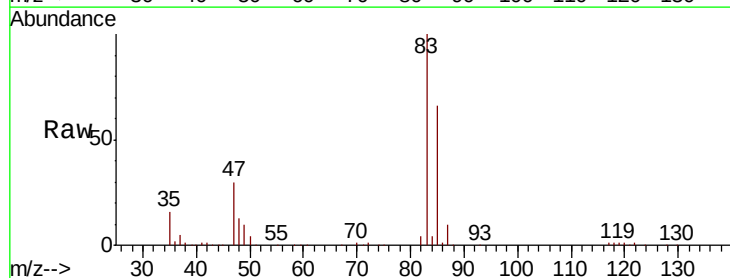
Manual Integrations
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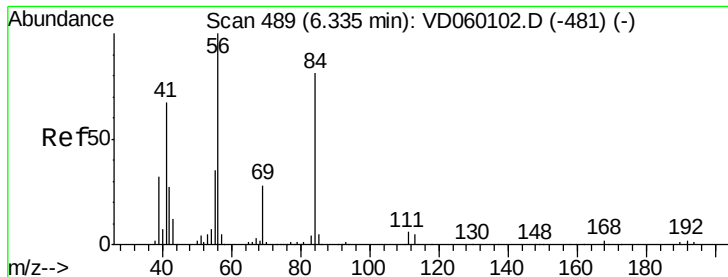
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#30
Chloroform
Concen: 53.547 ug/l
RT: 6.08 min Scan# 463
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.8	80.8





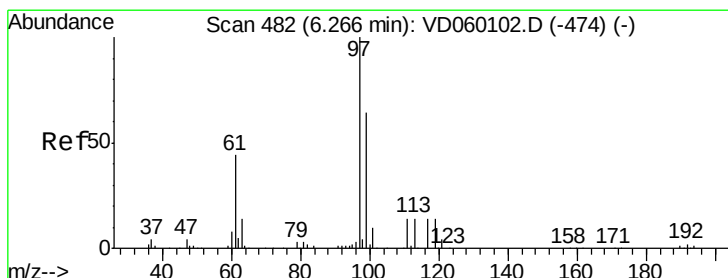
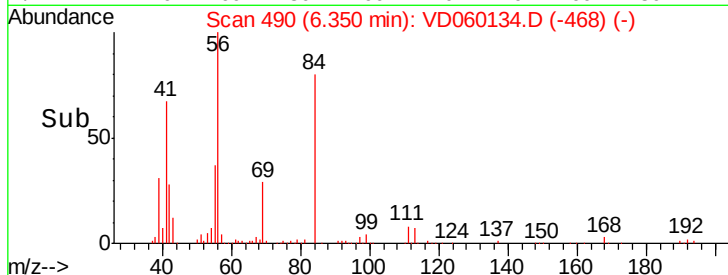
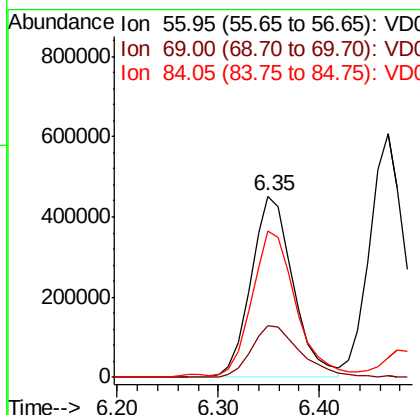
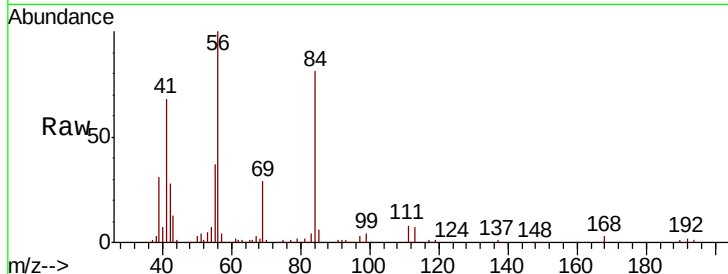
#31
Cyclohexane
Concen: 49.391 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1315292
Ion Ratio Lower Upper
56 100
69 28.6 22.8 34.2
84 80.9 64.9 97.3

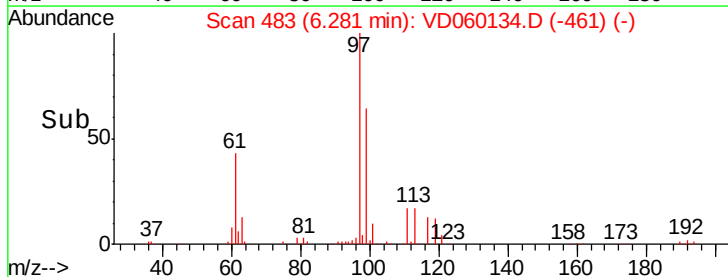
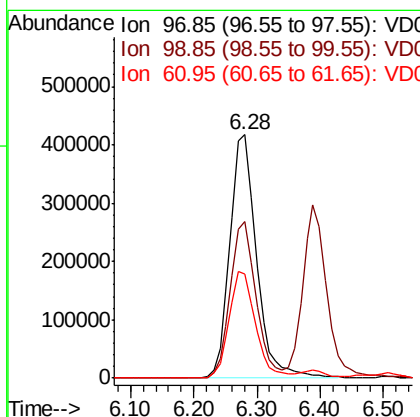
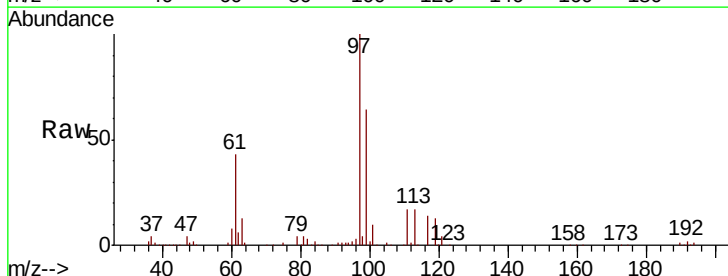
Manual Integrations
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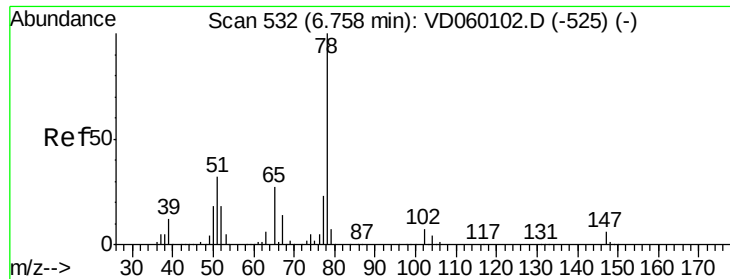
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#32
1,1,1-Trichloroethane
Concen: 52.769 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 97 Resp: 1216582
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.0
61 42.6 35.5 53.3





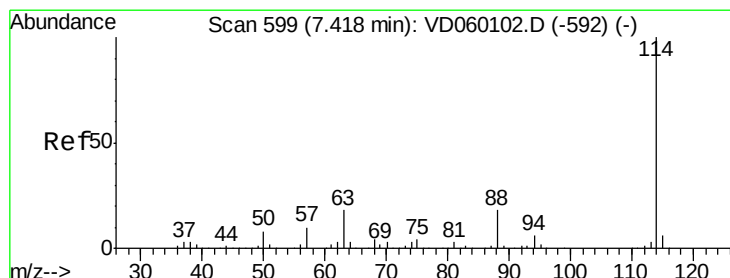
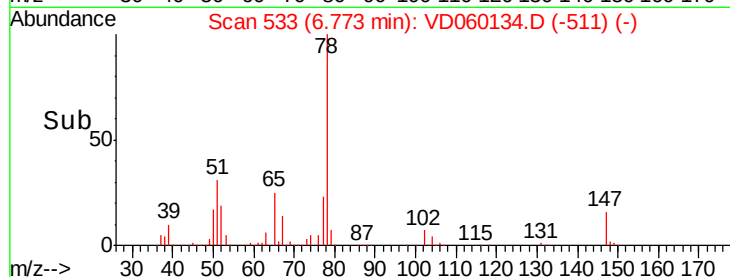
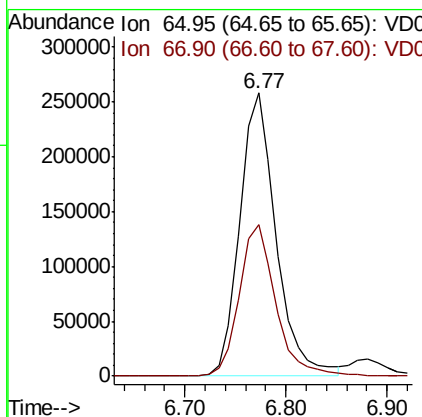
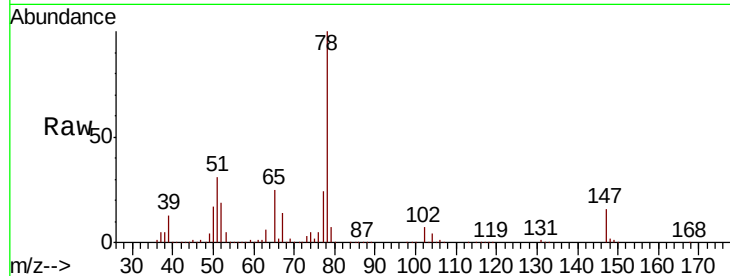
#33
 1,2-Dichloroethane-d4
 Concen: 52.769 ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 647515
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.2

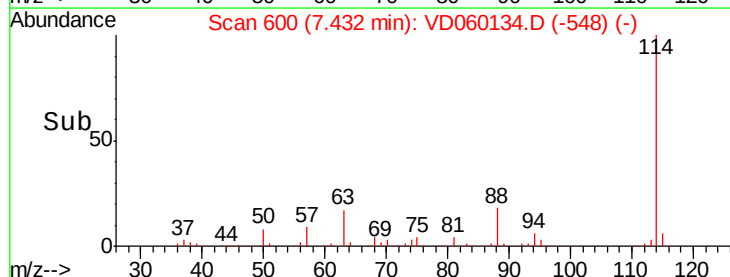
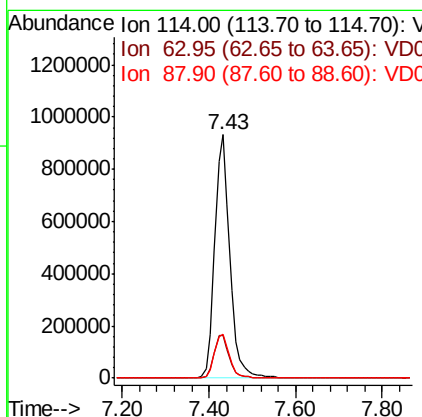
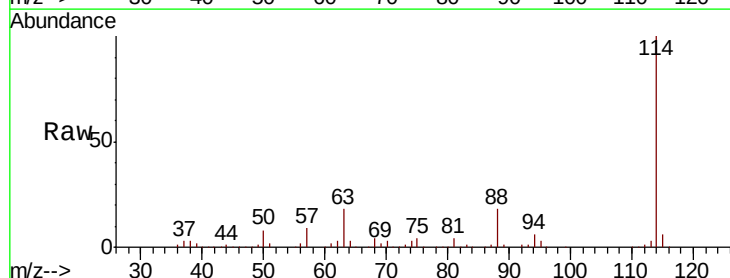
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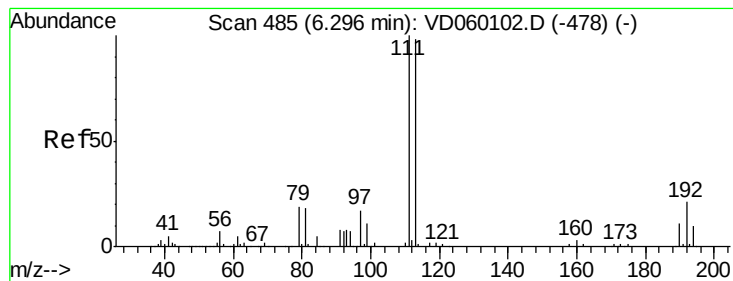
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 114 Resp: 2258779
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 36.0
 88 17.8 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

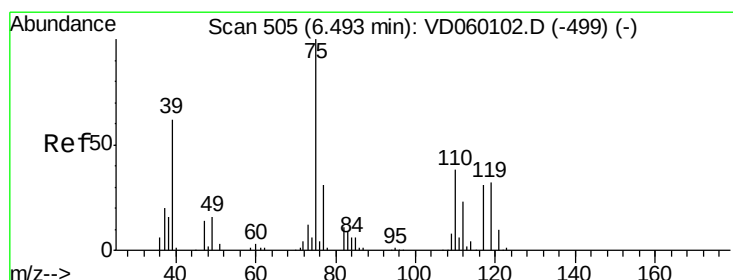
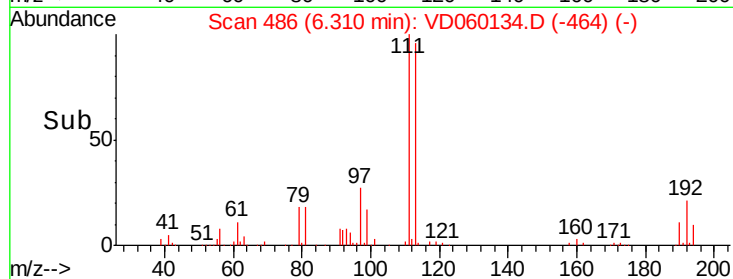
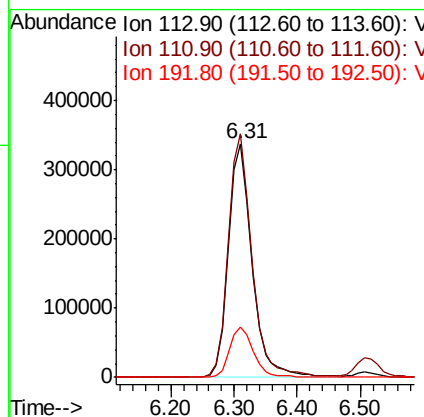
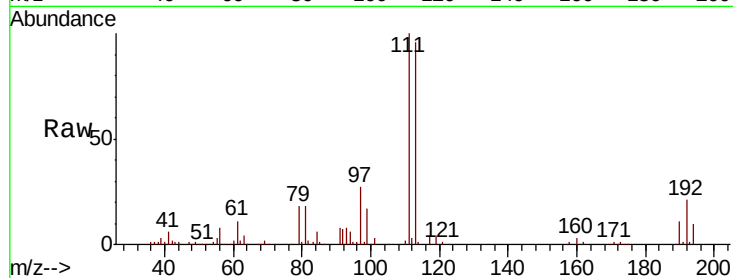
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	876551
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.5	122.3
192	21.6	17.4	26.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.932 ug/l

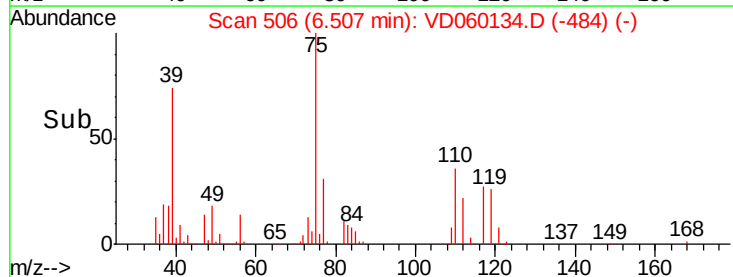
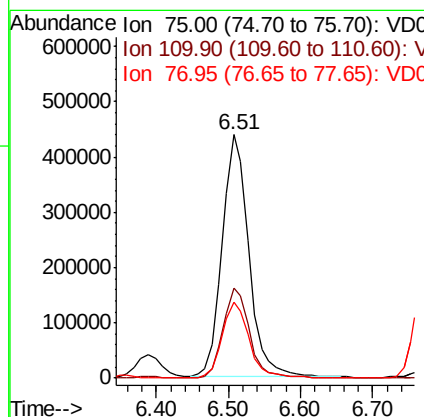
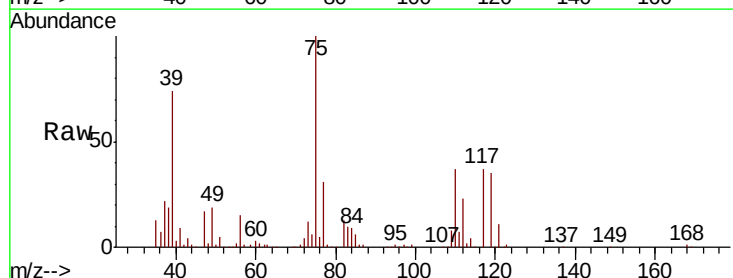
RT: 6.51 min Scan# 506

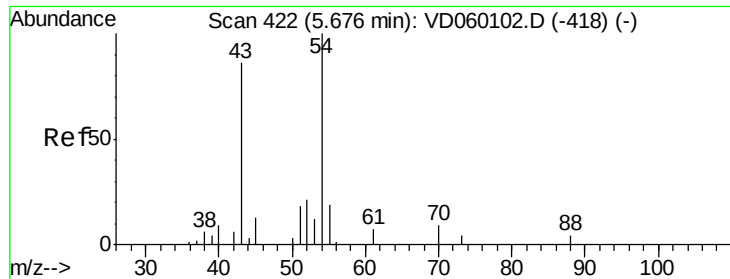
Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion:	75	Resp:	1120937
Ion Ratio	Lower	Upper	
75	100		
110	36.8	19.0	57.0
77	31.1	24.9	37.3





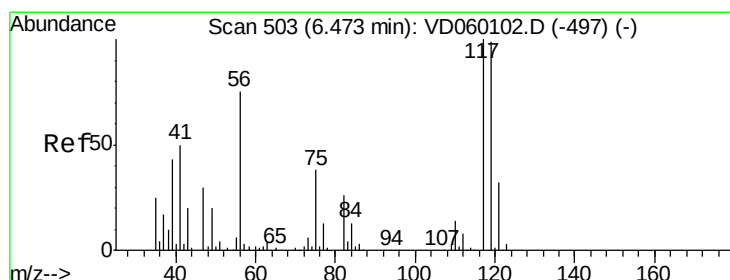
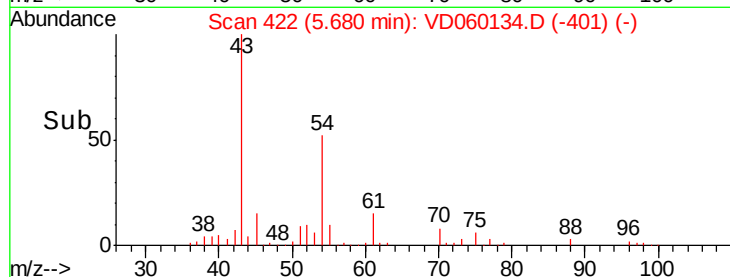
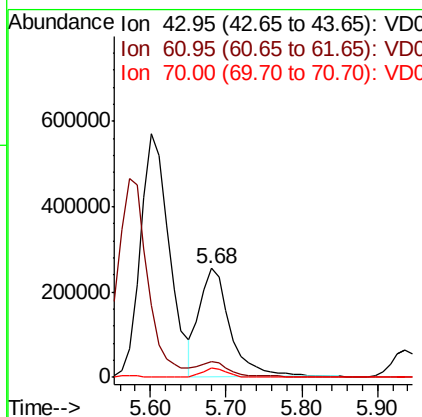
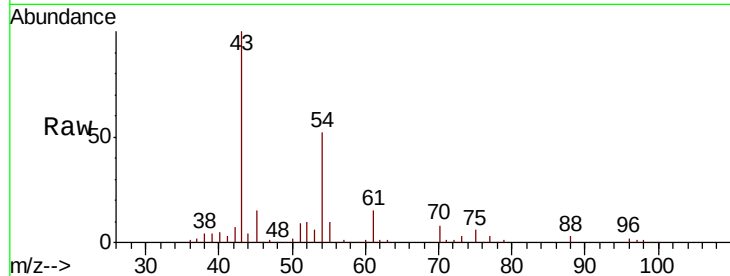
#37
Ethyl Acetate
Concen: 50.078 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.5	15.7
70	8.3	6.3	9.5

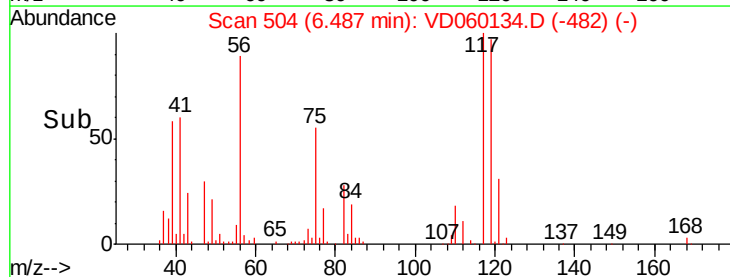
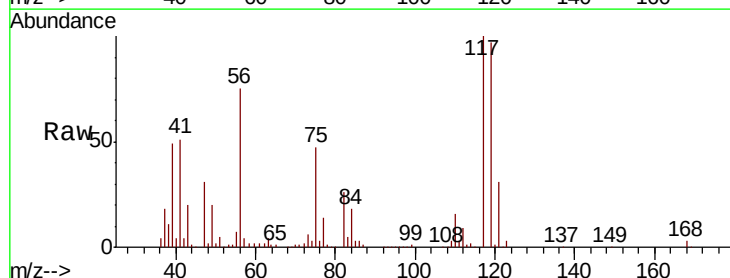
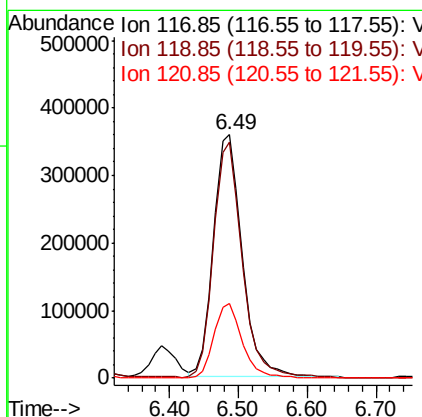
Manual Integrations
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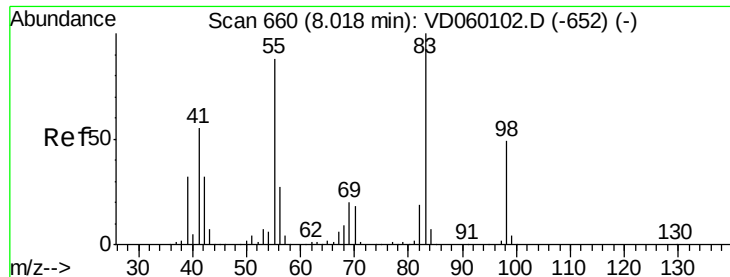
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#38
Carbon Tetrachloride
Concen: 53.106 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.8	116.6
121	30.7	24.8	37.2





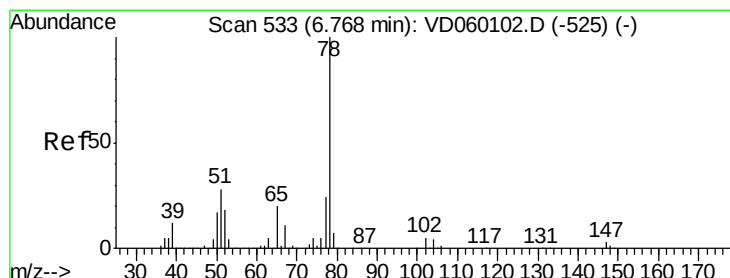
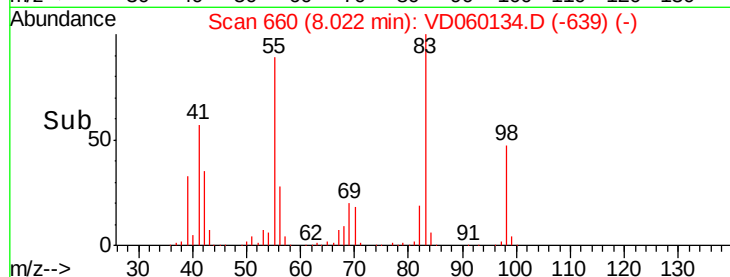
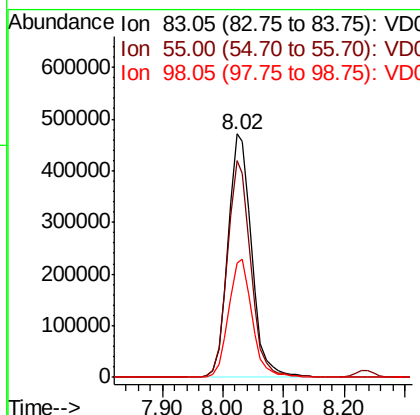
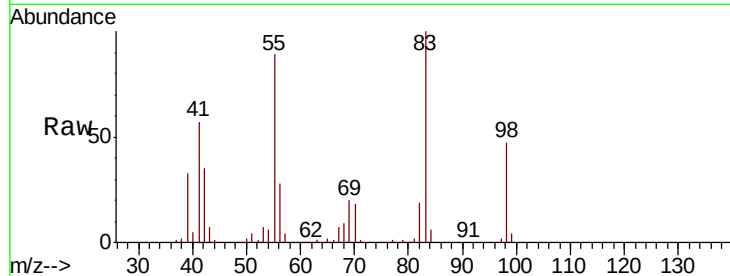
#39
Methylvlcyclohexane
Concen: 51.934 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1273662
Ion Ratio Lower Upper
83 100
55 88.9 70.5 105.7
98 47.1 39.4 59.2

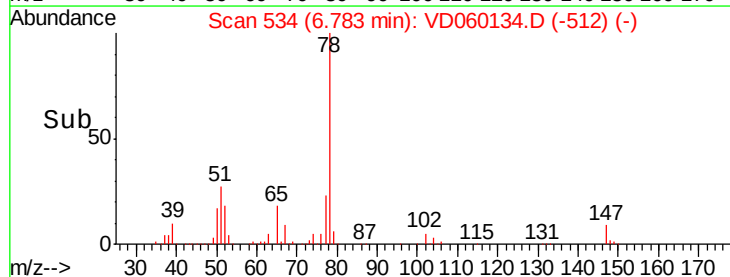
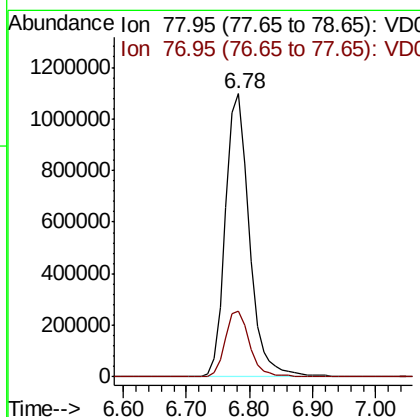
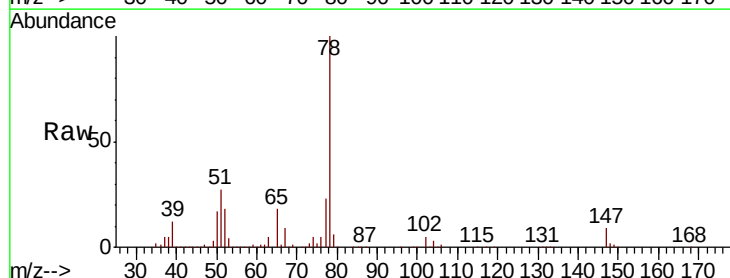
Manual Integrations
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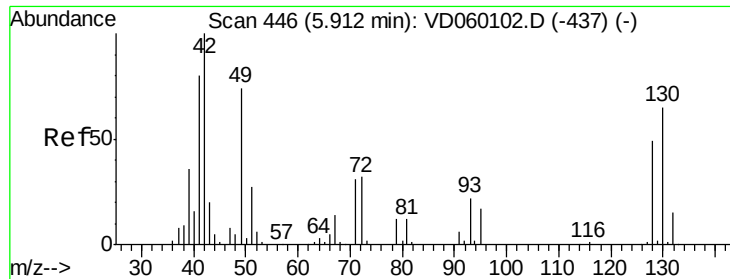
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#40
Benzene
Concen: 51.418 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 78 Resp: 2903532
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4





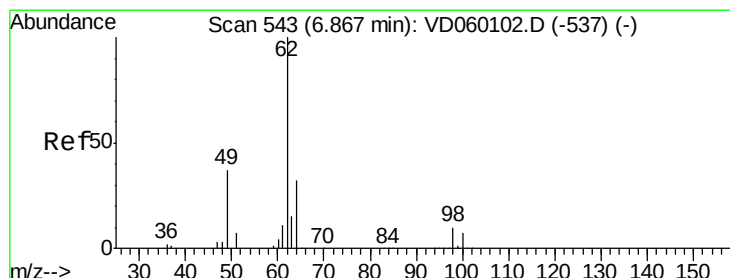
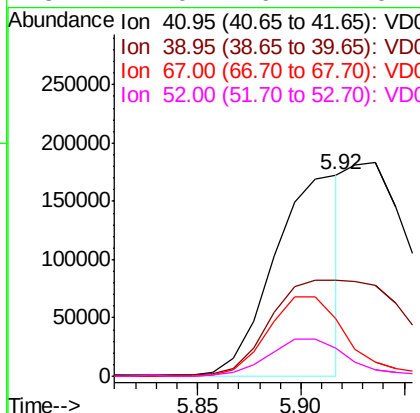
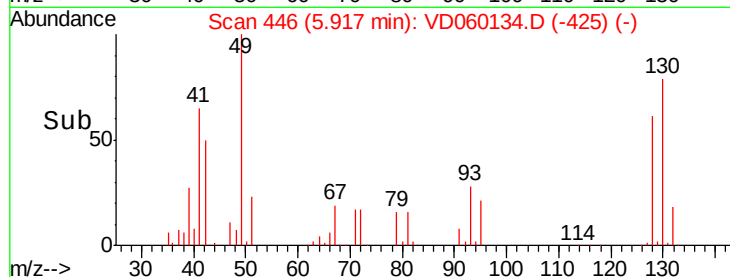
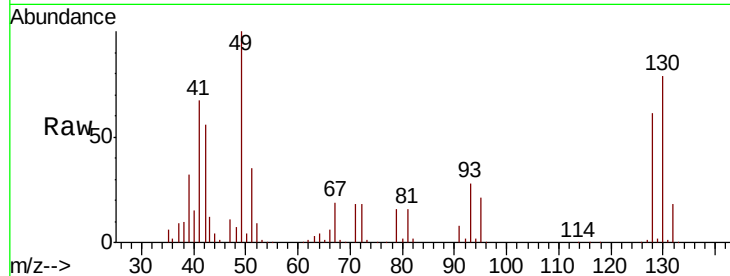
#41
Methacrylonitrile
Concen: 48.220 ug/l m
RT: 5.92 min Scan# 446
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.4	36.0	54.0
67	28.3	13.9	20.9
52	14.0	6.1	9.1

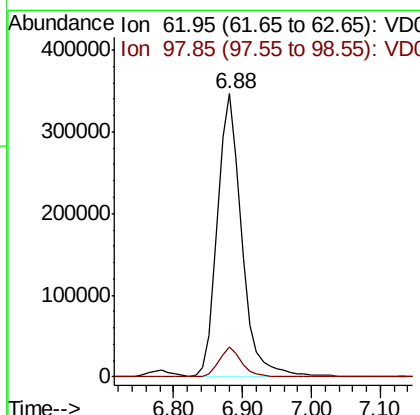
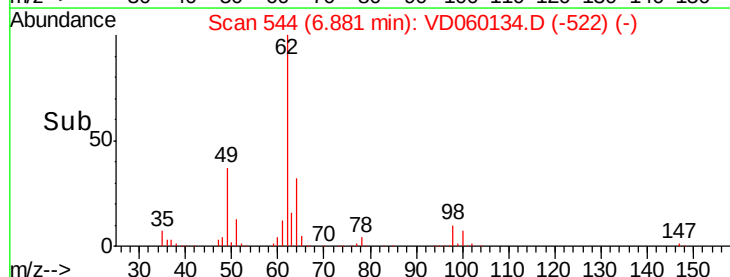
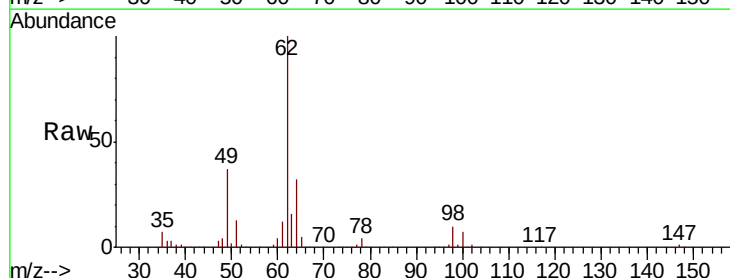
Manual Integrations
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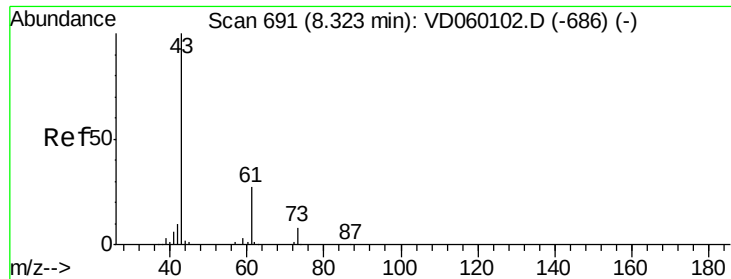
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#42
1,2-Dichloroethane
Concen: 52.055 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 51.337 ug/l

RT: 8.34 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

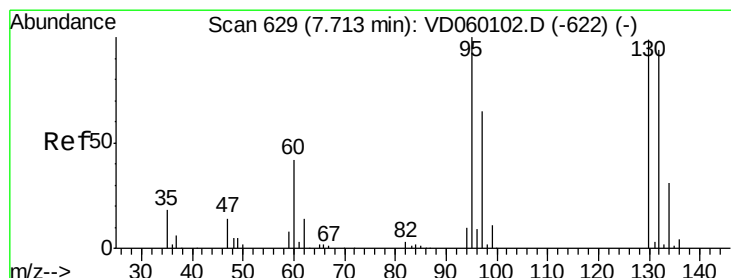
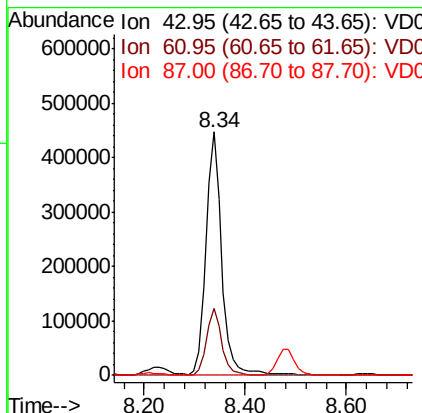
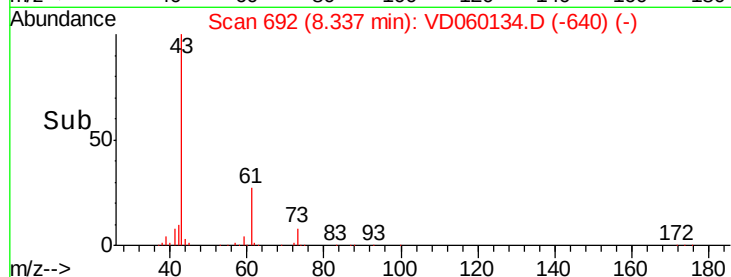
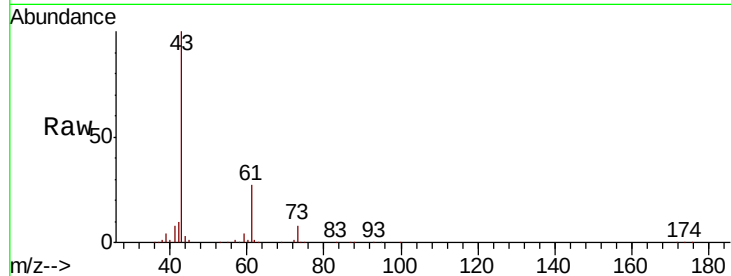
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	967635
Ion Ratio	Lower	Upper	
43	100		
61	27.4	21.4	32.2
87	0.3	0.2	0.2#

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#44

Trichloroethene

Concen: 51.218 ug/l

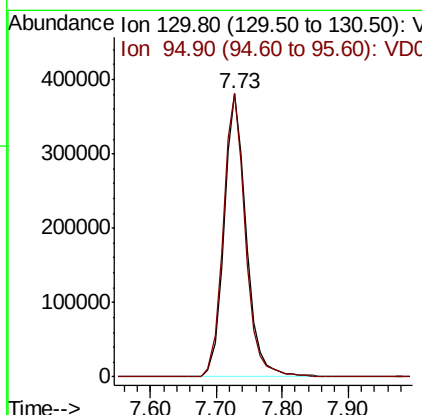
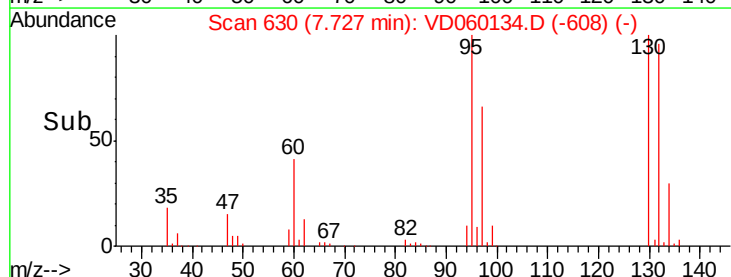
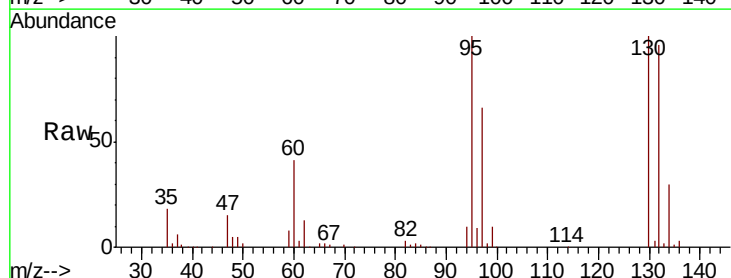
RT: 7.73 min Scan# 630

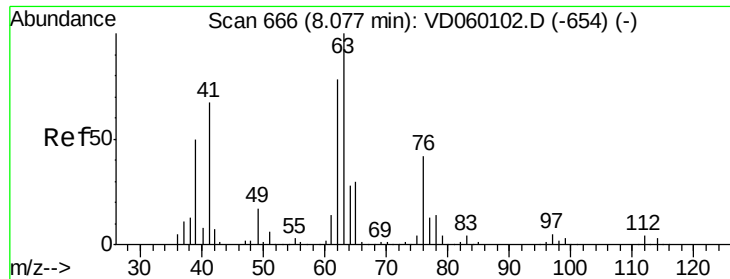
Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion:	130	Resp:	895303
Ion Ratio	Lower	Upper	
130	100		
95	100.0	0.0	202.2





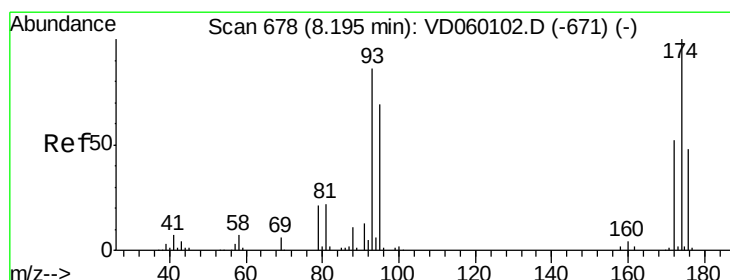
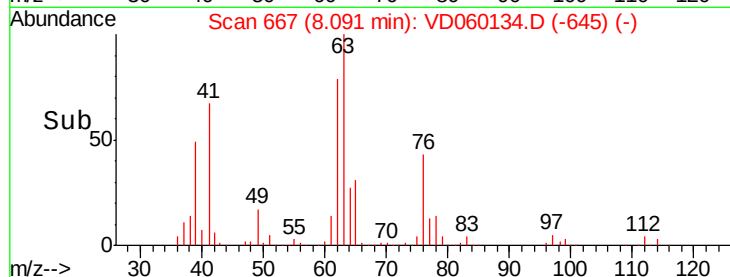
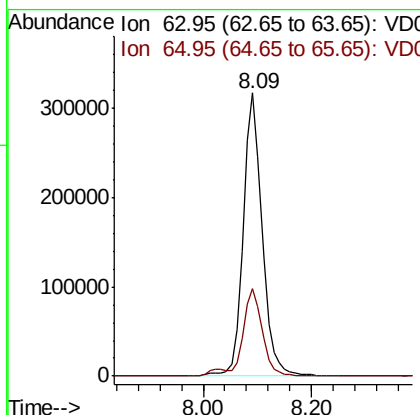
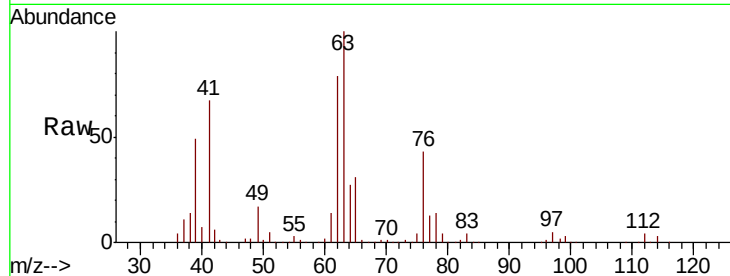
#45
1,2-Dichloropropane
Concen: 52.290 ug/l
RT: 8.09 min Scan# 667
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 773154
Ion Ratio Lower Upper
63 100
65 30.9 24.1 36.1

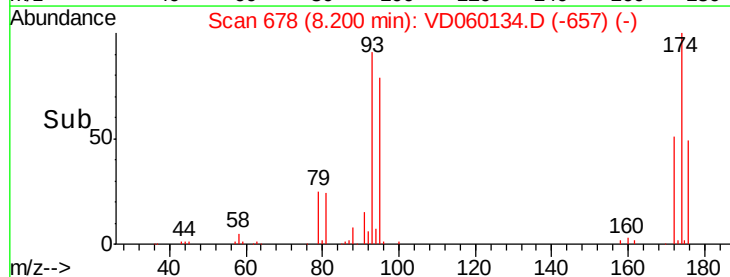
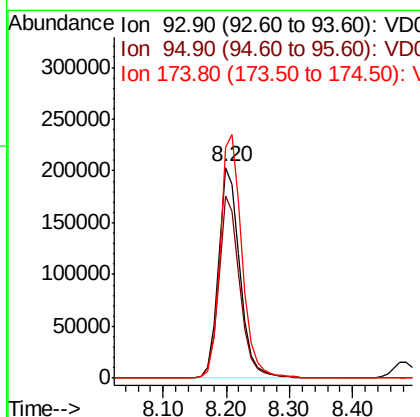
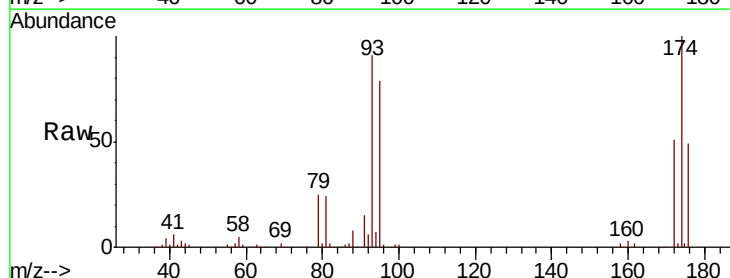
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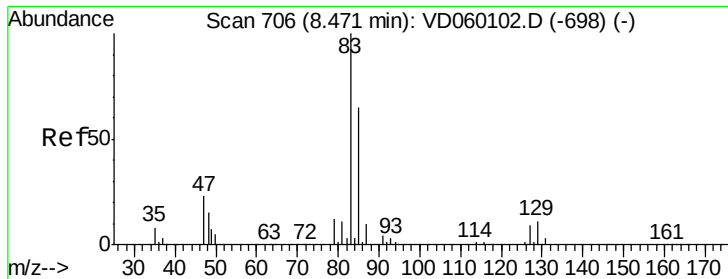
apatel
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#46
Dibromomethane
Concen: 50.377 ug/l
RT: 8.20 min Scan# 678
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 93 Resp: 482242
Ion Ratio Lower Upper
93 100
95 86.3 63.8 95.6
174 109.7 92.9 139.3





#47

Bromodichloromethane

Concen: 53.135 ug/l

RT: 8.48 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1083775

Ion Ratio Lower Upper

83 100

85 65.1 52.2 78.2

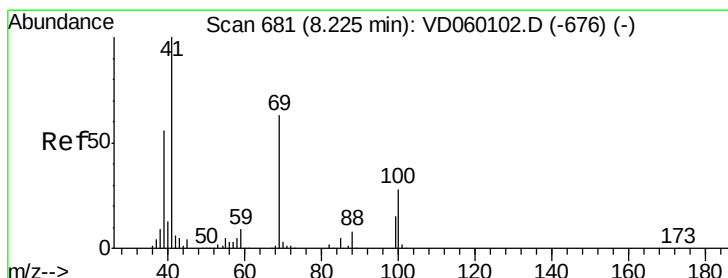
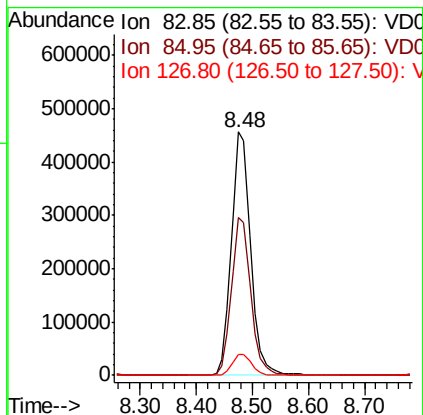
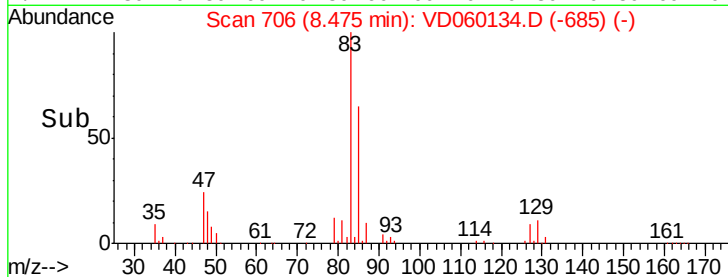
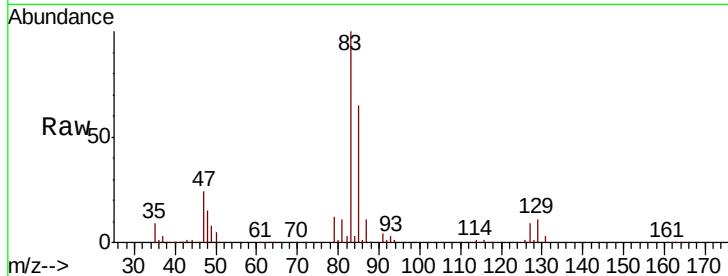
127 8.7 7.4 11.0

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#48

Methyl methacrylate

Concen: 50.525 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

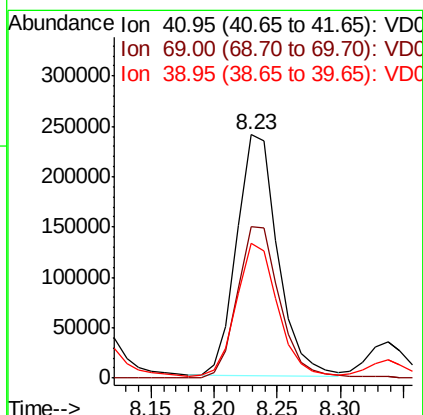
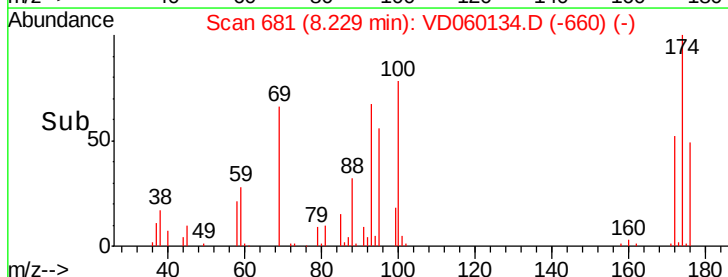
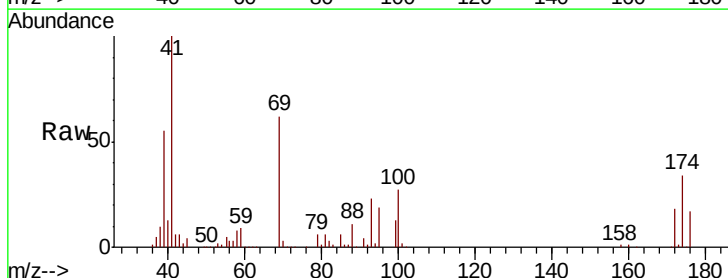
Tgt Ion: 41 Resp: 542464

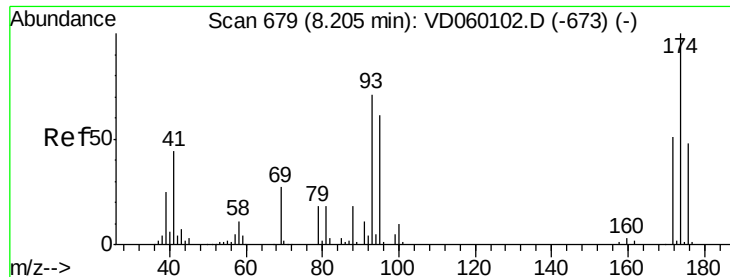
Ion Ratio Lower Upper

41 100

69 62.3 49.7 74.5

39 55.3 45.2 67.8





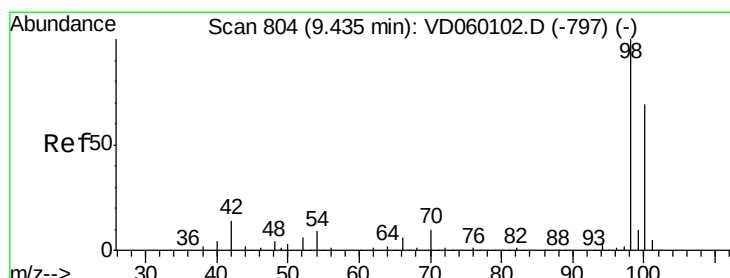
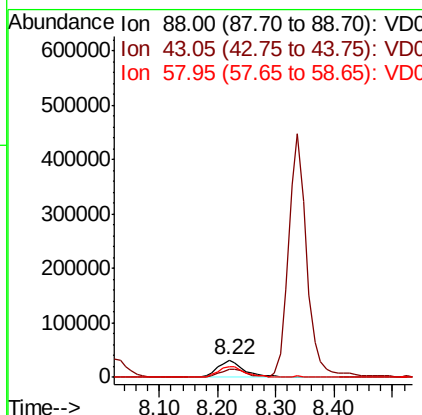
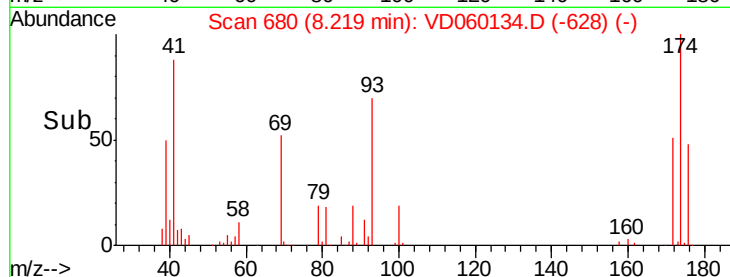
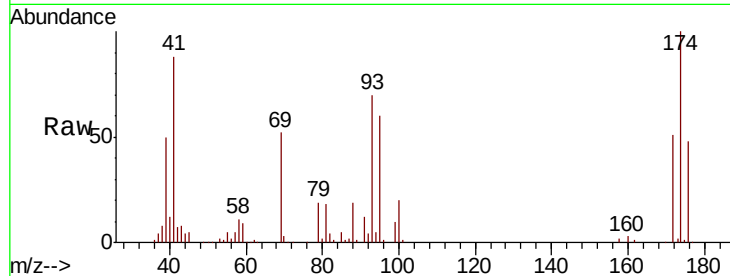
#49
1,4-Dioxane
Concen: 938.071 ug/l
RT: 8.22 min Scan# 680
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.8	33.7	50.5
58	61.0	49.1	73.7

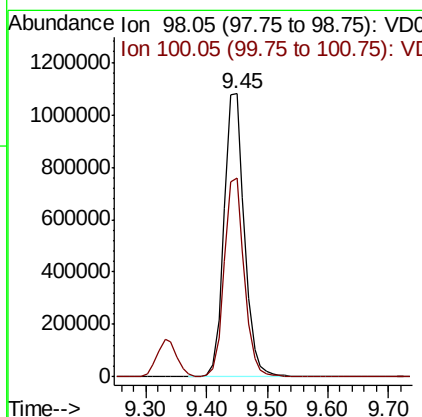
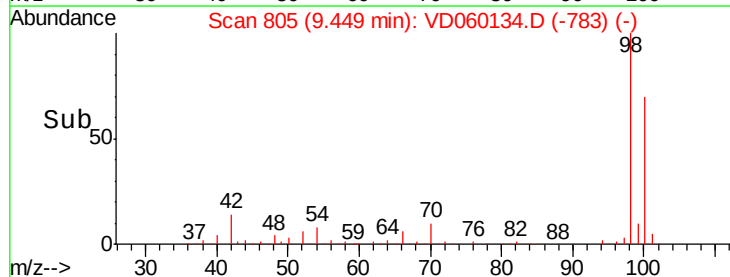
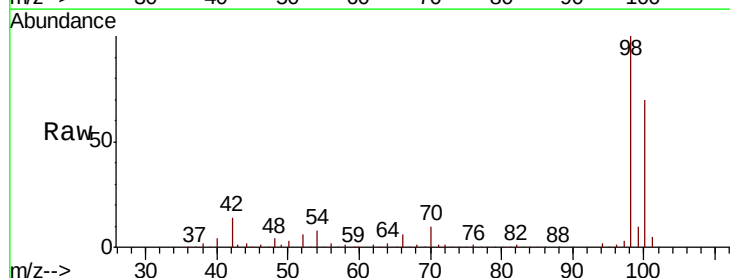
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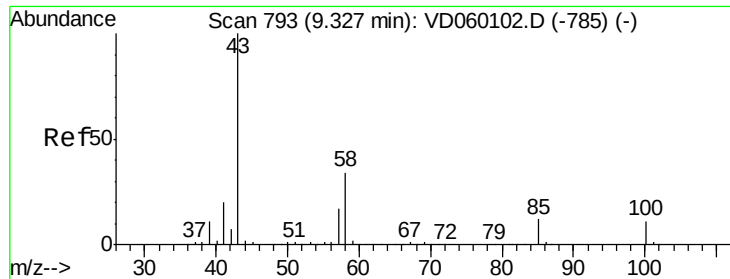
apatel
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#50
Toluene-d8
Concen: 938.071 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.2	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 252.885 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3006416

Ion Ratio Lower Upper

43 100

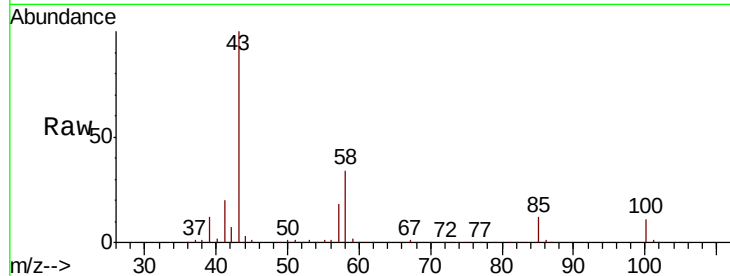
58 33.9 27.2 40.8

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

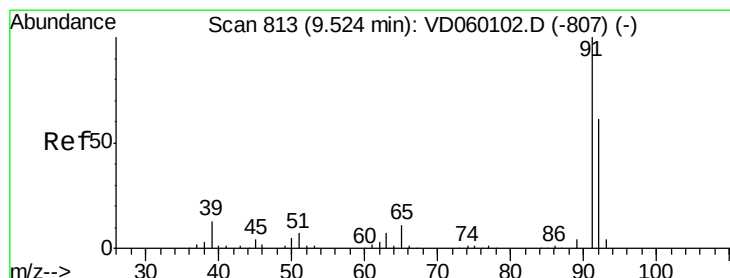
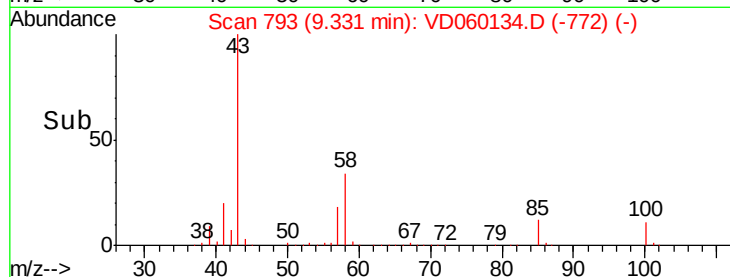
1000000

500000

0

9.20 9.30 9.40

Time-->



#52

Toluene

Concen: 51.517 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060134.D

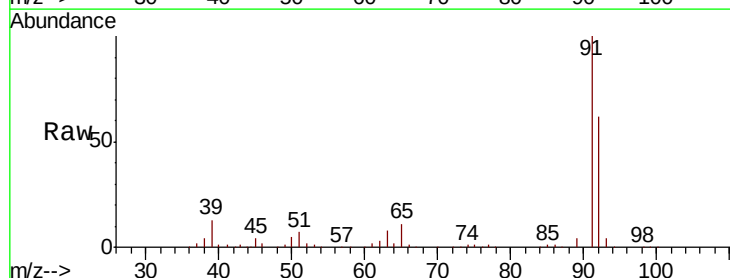
Acq: 5 Oct 2018 11:25

Tgt Ion: 92 Resp: 1873566

Ion Ratio Lower Upper

92 100

91 162.5 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1500000

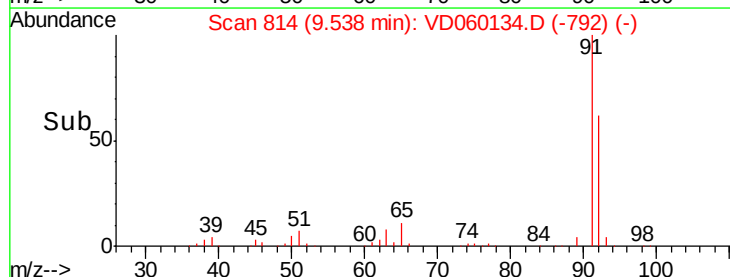
1000000

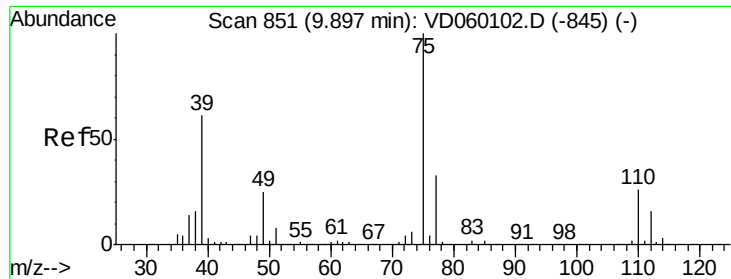
500000

0

9.40 9.50 9.60 9.70

Time-->





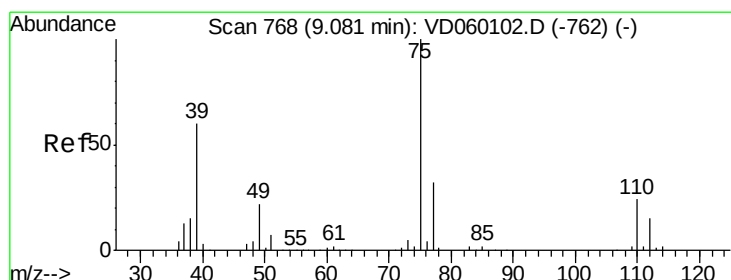
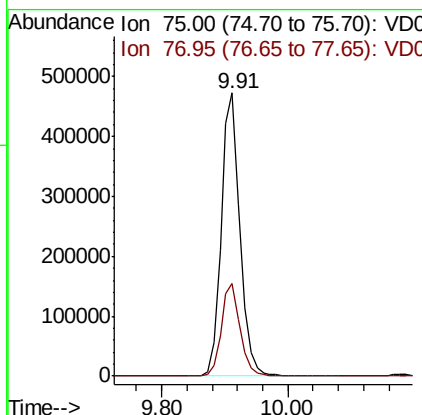
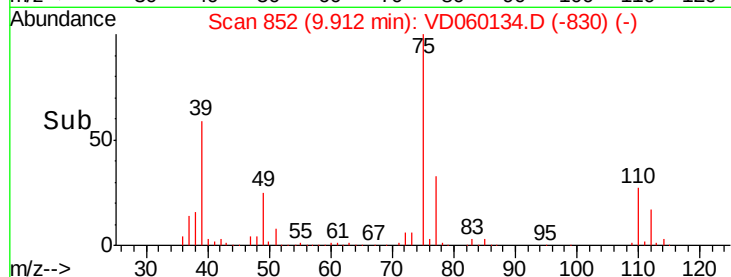
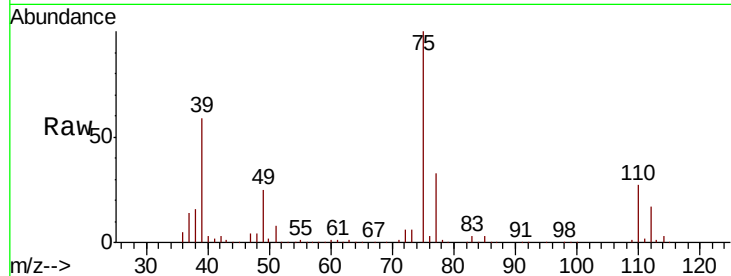
#53
t-1,3-Dichloropropene
Concen: 52.677 ug/l
RT: 9.91 min Scan# 852
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 972190
Ion Ratio Lower Upper
75 100
77 32.9 26.2 39.2

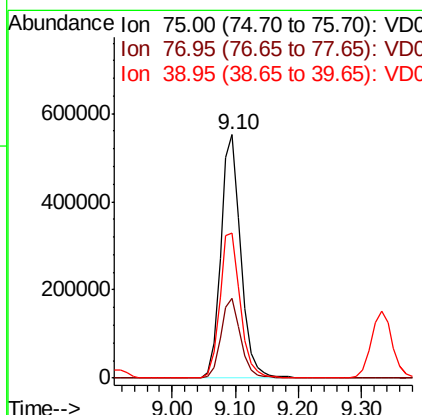
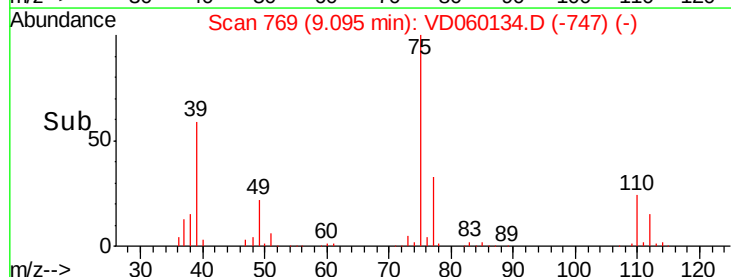
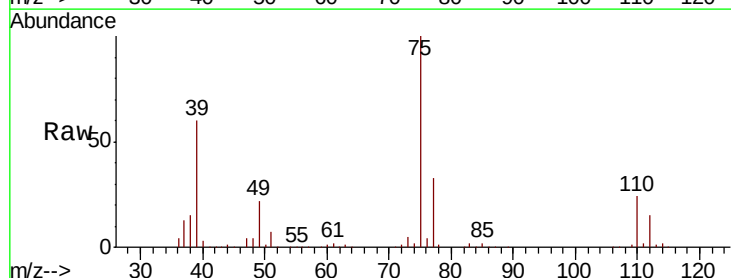
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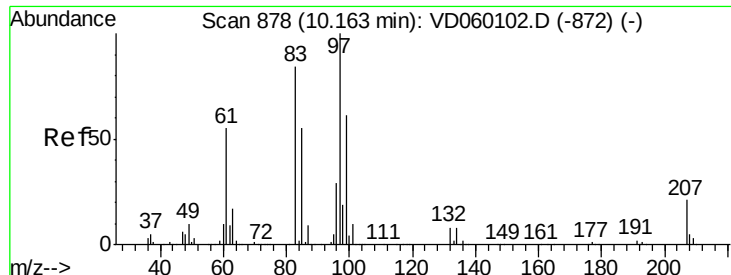
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#54
cis-1,3-Dichloropropene
Concen: 53.207 ug/l
RT: 9.10 min Scan# 769
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 75 Resp: 1212596
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5
39 59.8 48.2 72.4





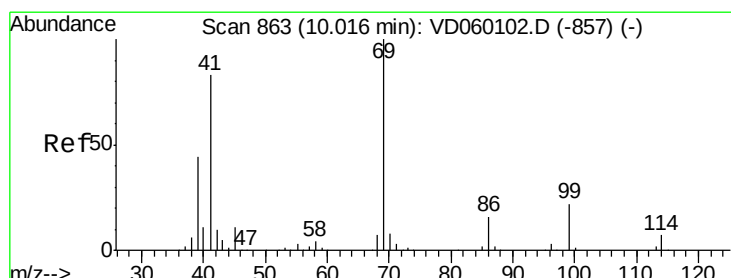
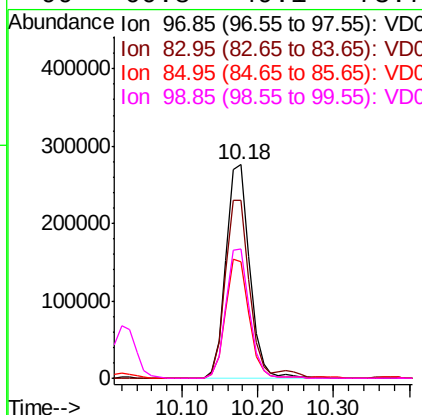
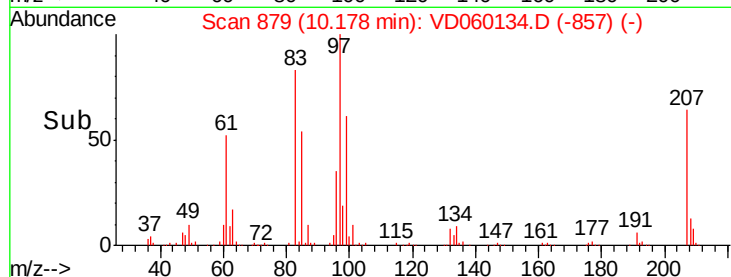
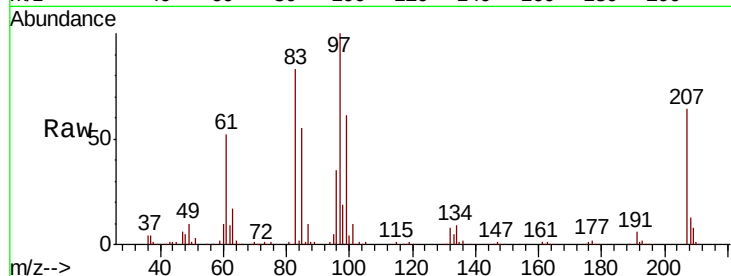
#55
 1,1,2-Trichloroethane
 Concen: 50.390 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	599093
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	54.5	43.9	65.9
99	60.8	49.1	73.7

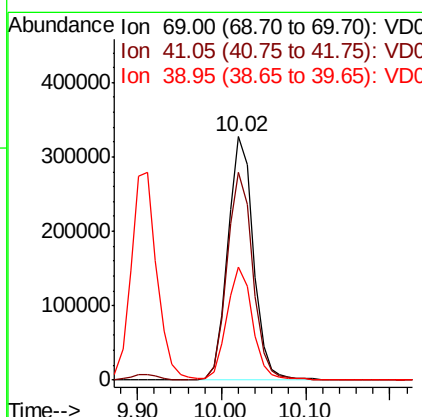
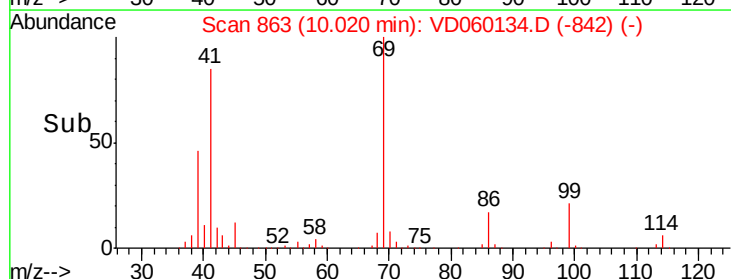
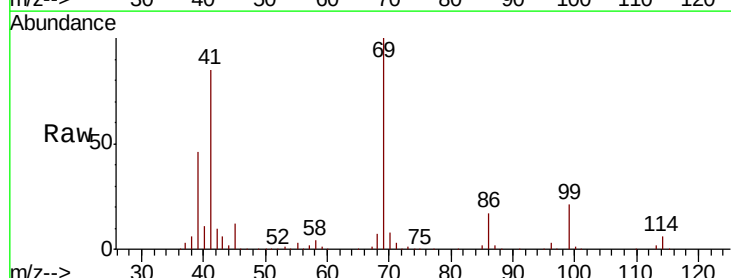
Manual Integrations
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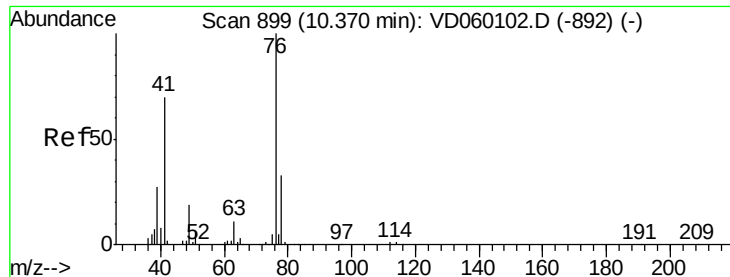
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#56
 Ethyl methacrylate
 Concen: 52.661 ug/l
 RT: 10.02 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion	69	Resp	691124
Ion	Ratio	Lower	Upper
69	100		
41	85.4	66.6	100.0
39	46.3	36.0	54.0





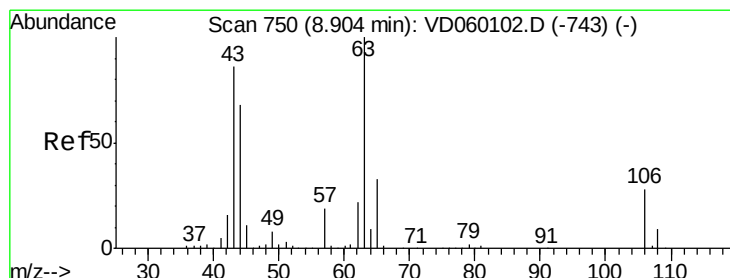
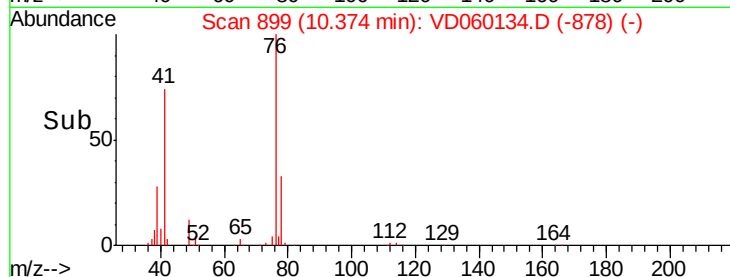
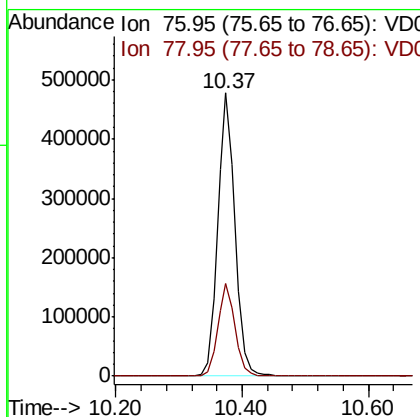
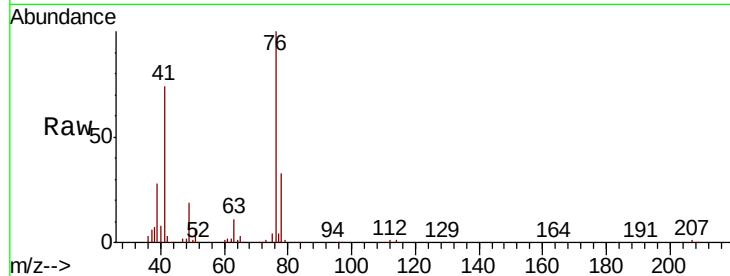
#57
 1,3-Dichloropropane
 Concen: 50.639 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 918213
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.2

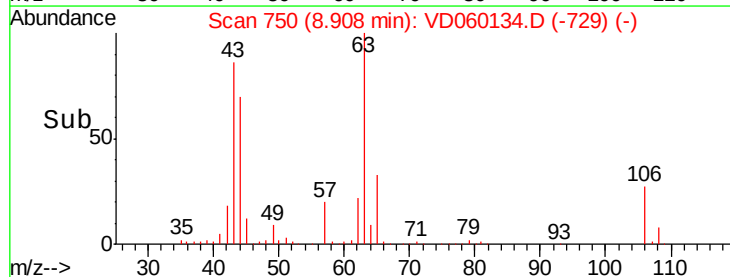
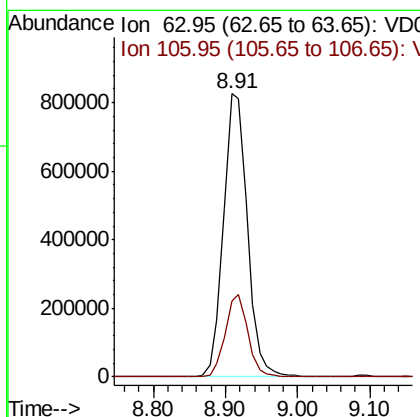
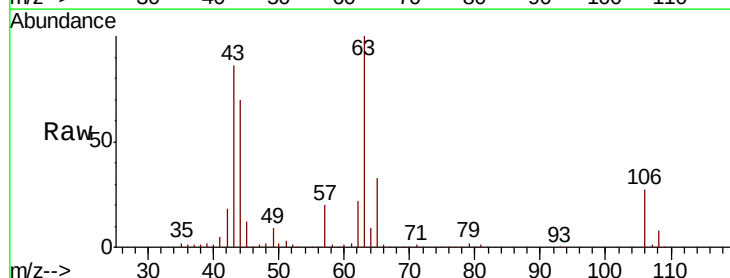
Manual Integrations
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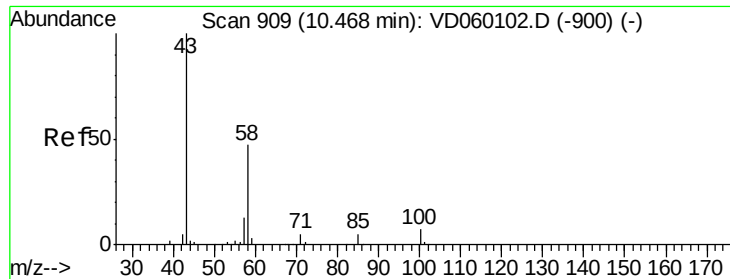
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#58
 2-Chloroethyl Vinyl ether
 Concen: 260.183 ug/l
 RT: 8.91 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 63 Resp: 1896174
 Ion Ratio Lower Upper
 63 100
 106 26.7 22.6 34.0





#59

2-Hexanone

Concen: 259.261 ug/l

RT: 10.48 min Scan# 910

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tot Ion: 43 Resp: 2216367

Ion Ratio Lower Upper

43 100

58 47.2 23.3 69.9

Instrument :

MSVOA_D

ClientSampleId :

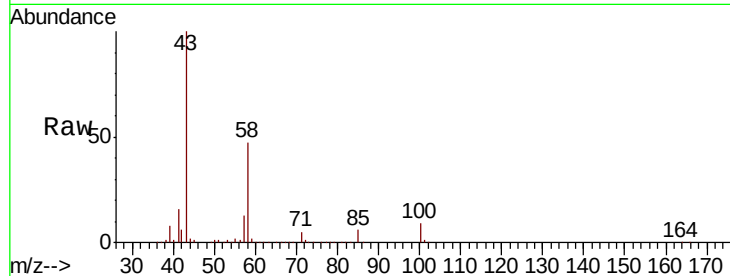
VSTDCCC050

Manual Integrations

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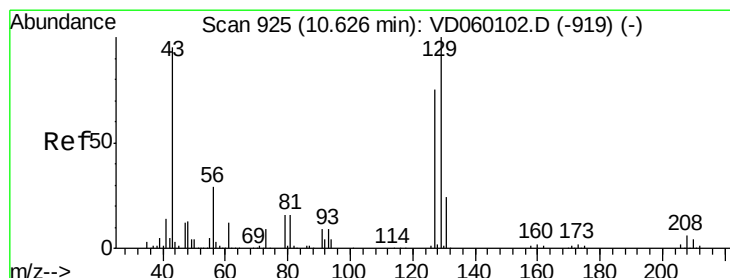
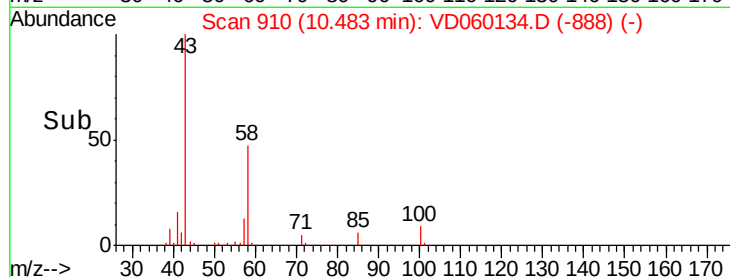
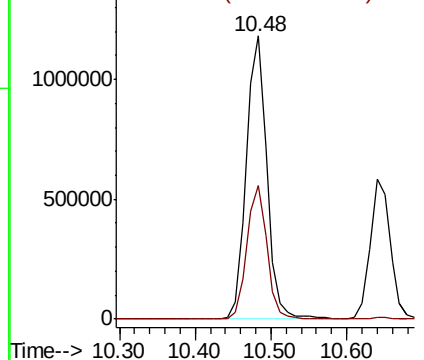
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 52.359 ug/l

RT: 10.63 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD060134.D

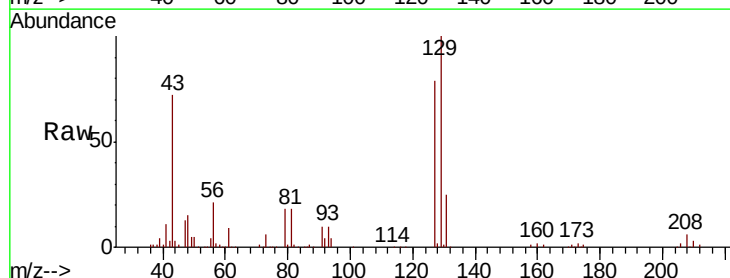
Acq: 5 Oct 2018 11:25

Tgt Ion: 129 Resp: 763765

Ion Ratio Lower Upper

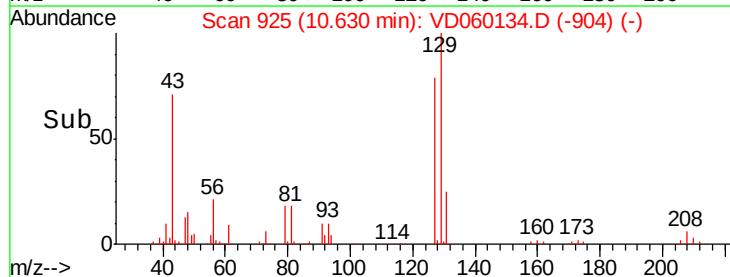
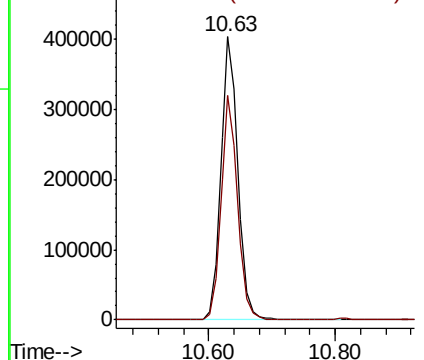
129 100

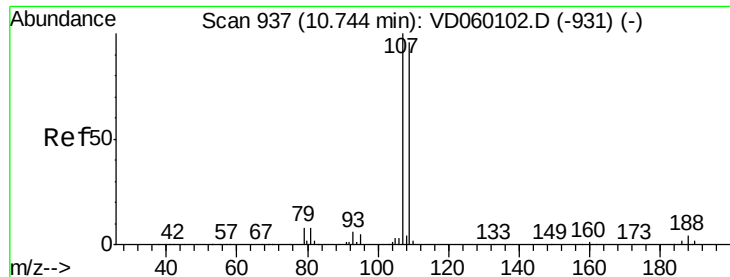
127 79.4 37.4 112.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 50.780 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 641484

Ion Ratio Lower Upper

107 100

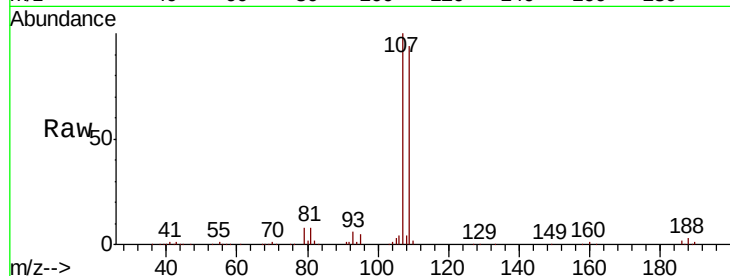
109 94.2 77.1 115.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.75

400000

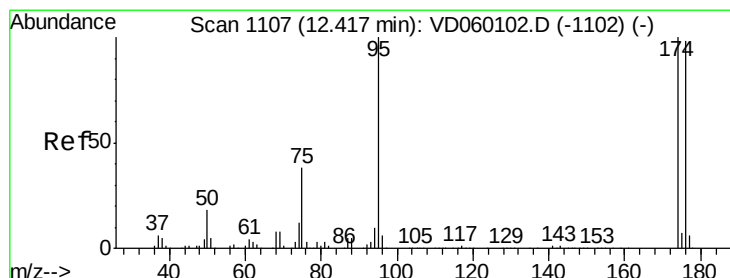
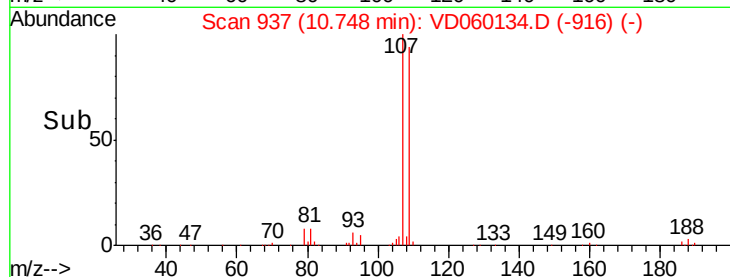
300000

200000

100000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 50.780 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

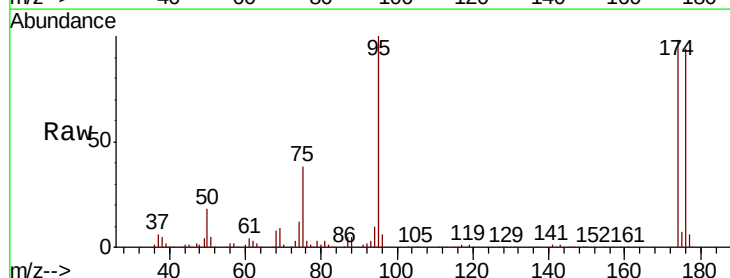
Tgt Ion: 95 Resp: 912977

Ion Ratio Lower Upper

95 100

174 97.8 0.0 200.2

176 94.0 0.0 195.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

800000

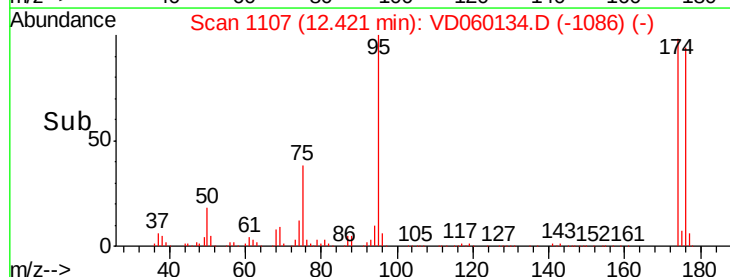
600000

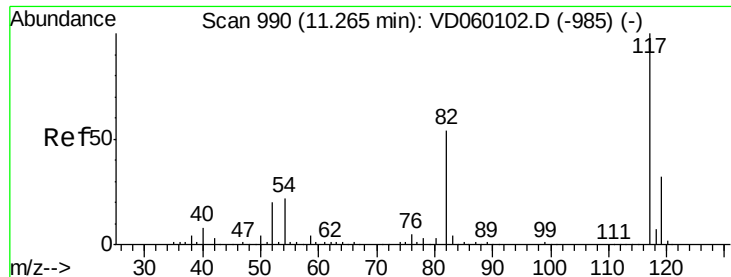
400000

200000

0

Time--> 12.40 12.50





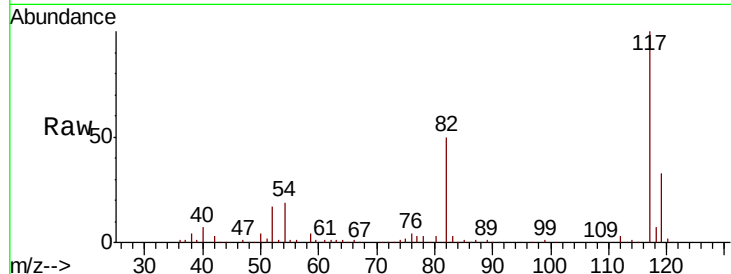
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.0	43.4	65.2
119	32.6	26.0	39.0

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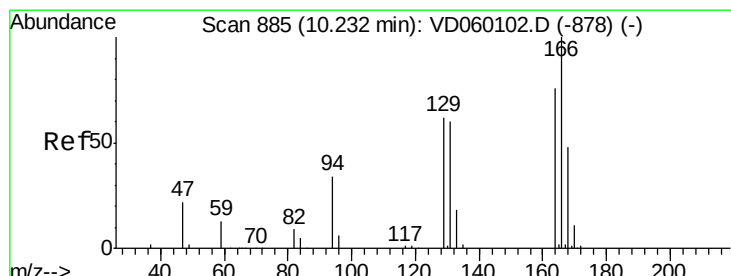
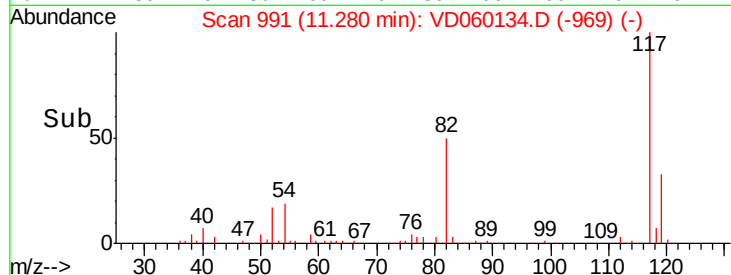
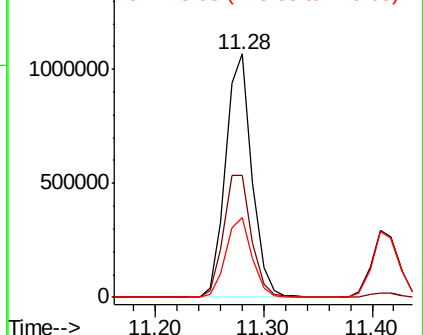


Abundance

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: 50.306 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	105.4	158.0
129	76.8	65.7	98.5
131	77.6	62.9	94.3

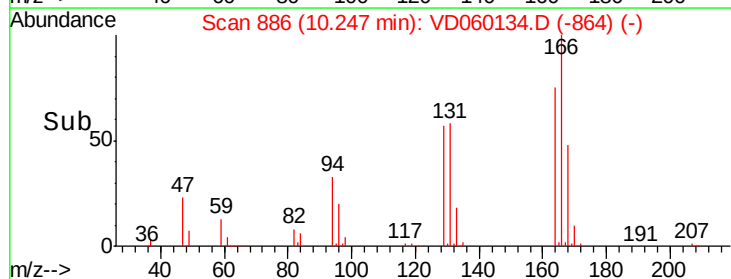
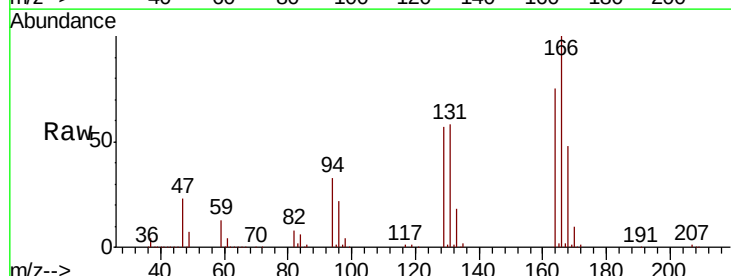
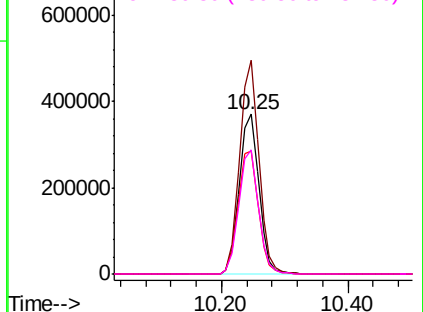
Abundance

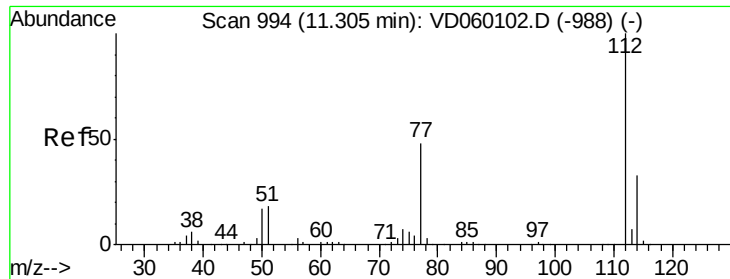
Ion 163.85 (163.55 to 164.55): V

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





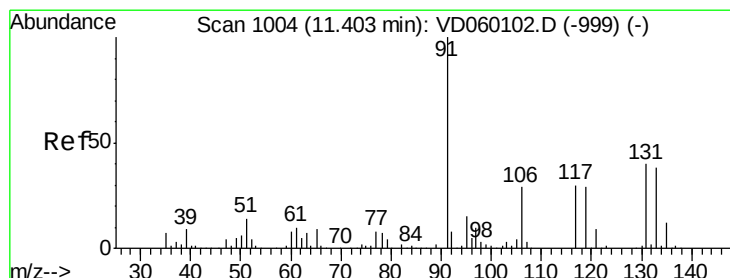
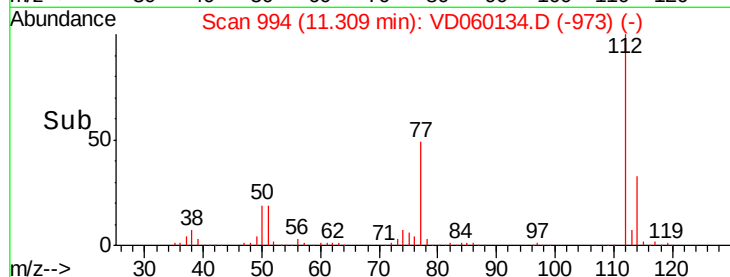
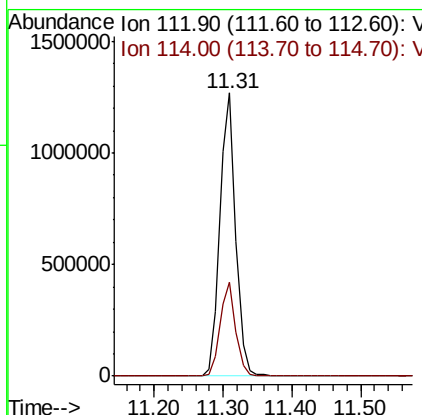
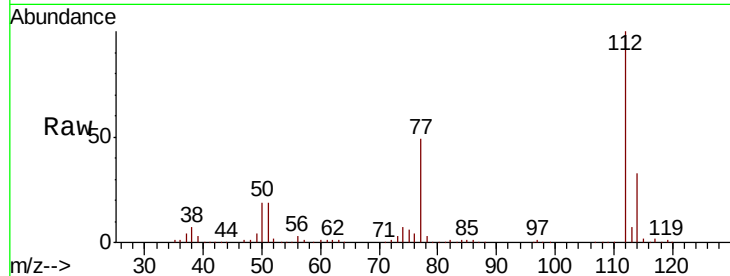
#65
Chlorobenzene
Concen: 51.410 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2008002
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0

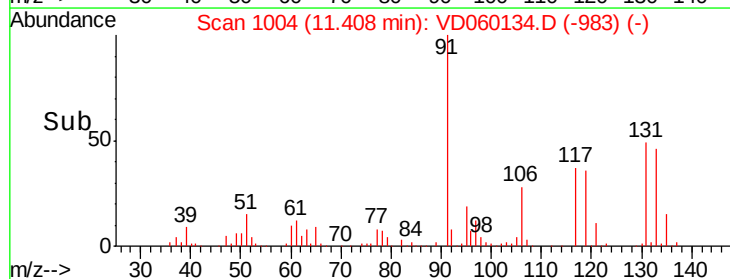
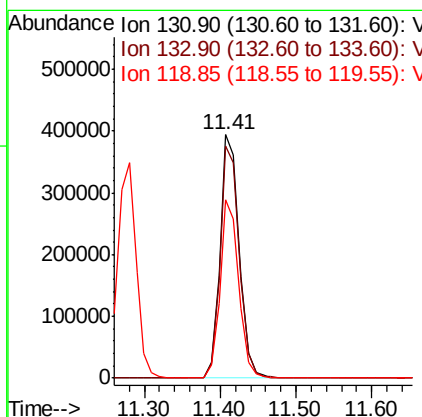
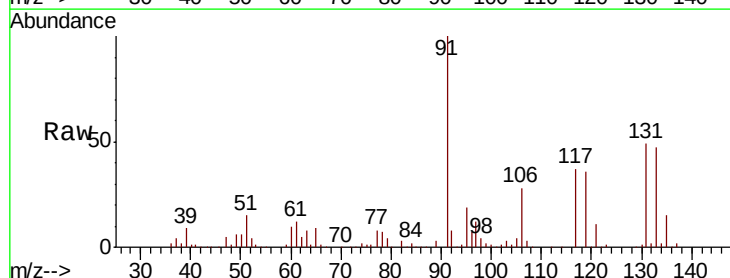
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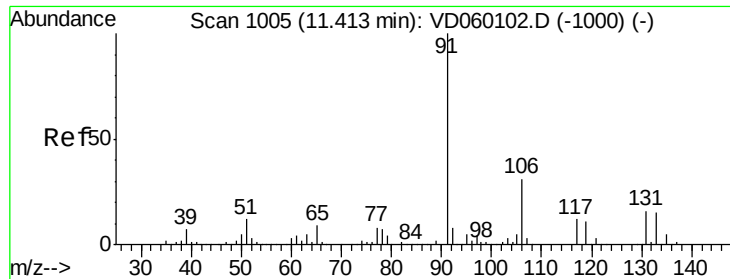
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.150 ug/l
RT: 11.41 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion:131 Resp: 692536
Ion Ratio Lower Upper
131 100
133 95.5 47.4 142.3
119 73.0 36.1 108.3





#67

Ethyl Benzene

Concen: 50.964 ug/l

RT: 11.42 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3225115

Ion Ratio Lower Upper

91 100

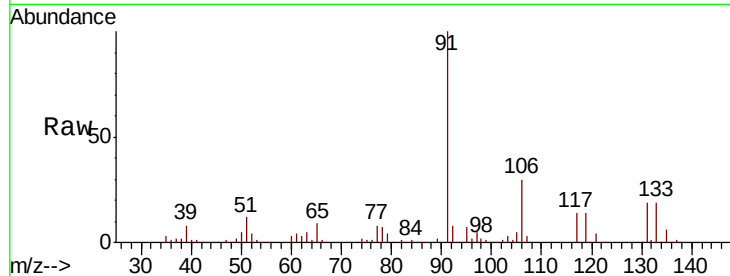
106 30.5 24.4 36.6

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V

2500000

2000000

1500000

1000000

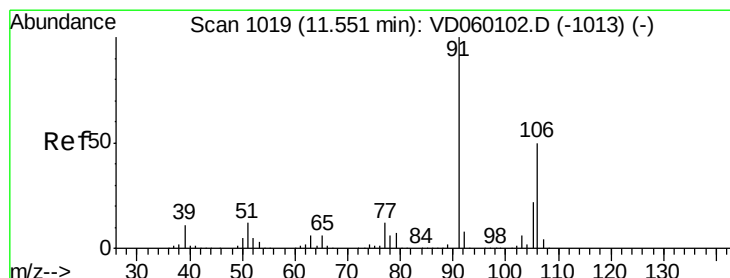
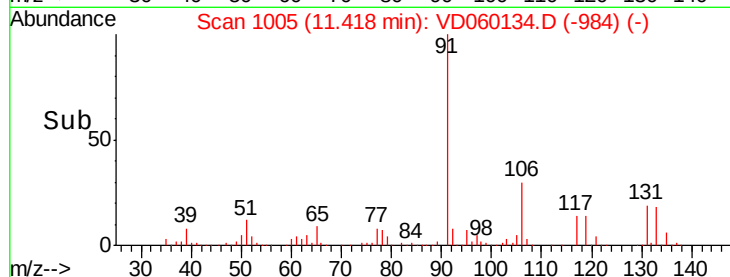
500000

0

11.42

11.50

Time-->



#68

m/p-Xylenes

Concen: 101.666 ug/l

RT: 11.57 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD060134.D

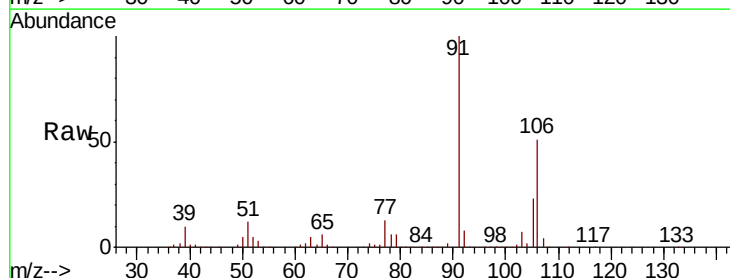
Acq: 5 Oct 2018 11:25

Tgt Ion:106 Resp: 2403838

Ion Ratio Lower Upper

106 100

91 194.5 160.0 240.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

2500000

2000000

1500000

1000000

500000

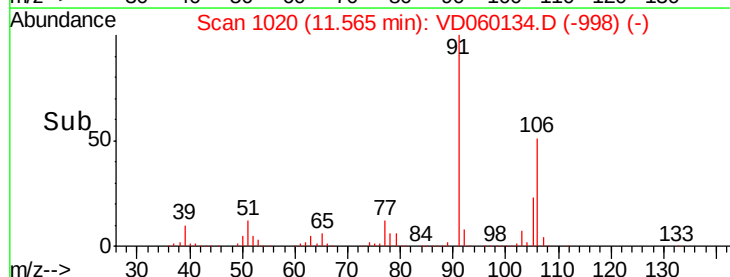
0

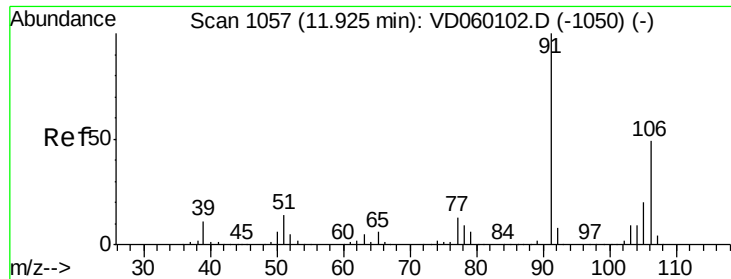
11.57

11.60

11.70

Time-->





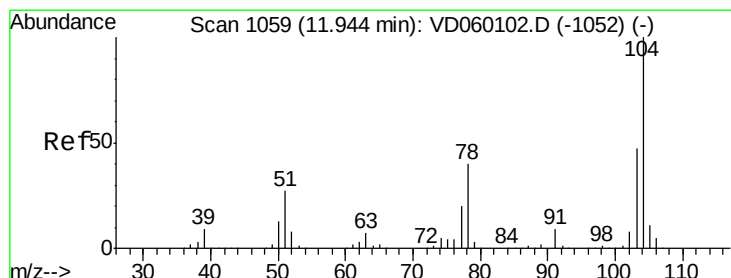
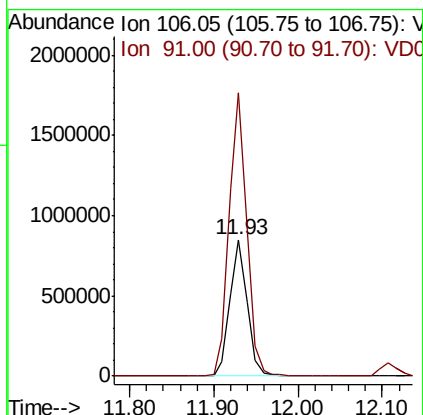
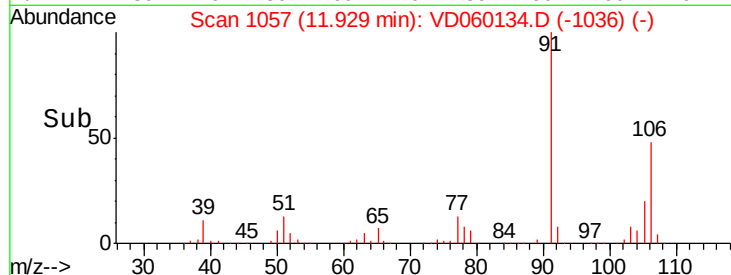
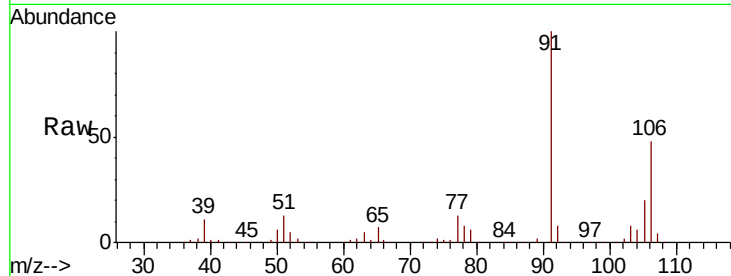
#69
o-Xylene
Concen: 51.804 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1211572
Ion Ratio Lower Upper
106 100
91 207.8 102.5 307.5

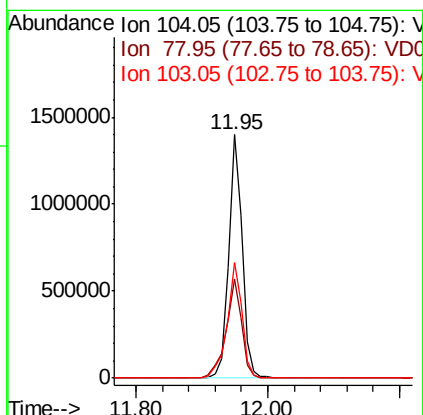
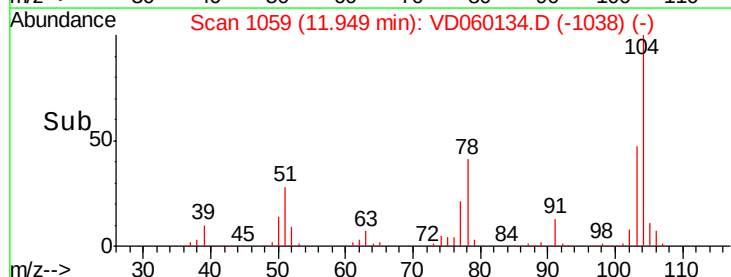
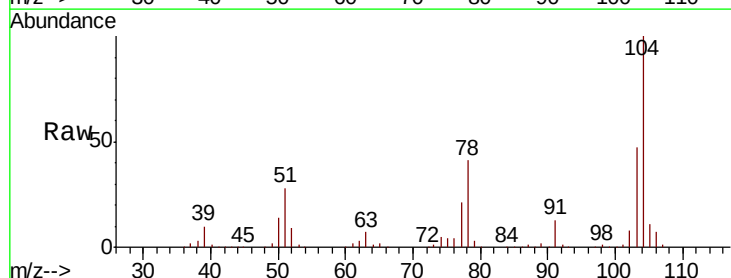
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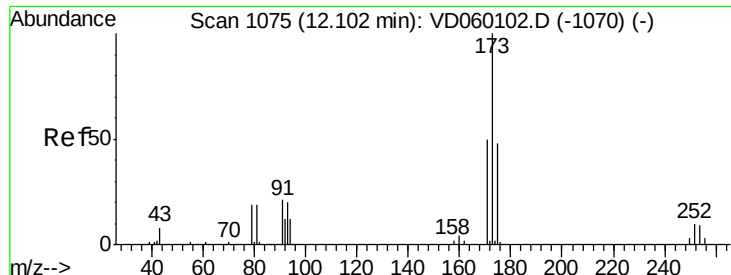
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#70
Styrene
Concen: 51.375 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion:104 Resp: 2009317
Ion Ratio Lower Upper
104 100
78 40.5 32.2 48.4
103 47.3 37.4 56.0





#71

Bromoform

Concen: 55.286 ug/l

RT: 12.11 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

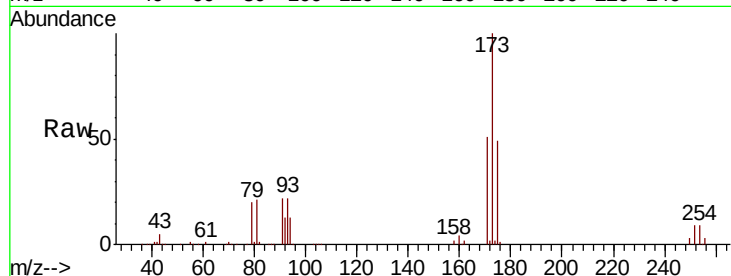
ClientSampleId :

VSTDCCC050

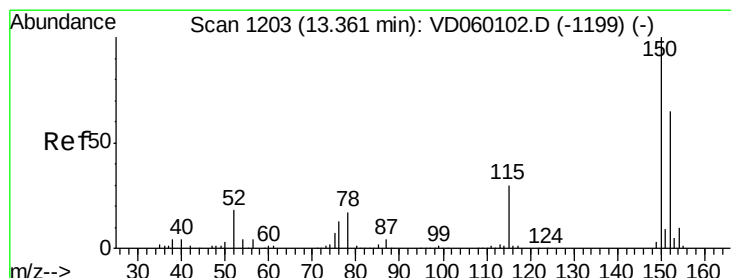
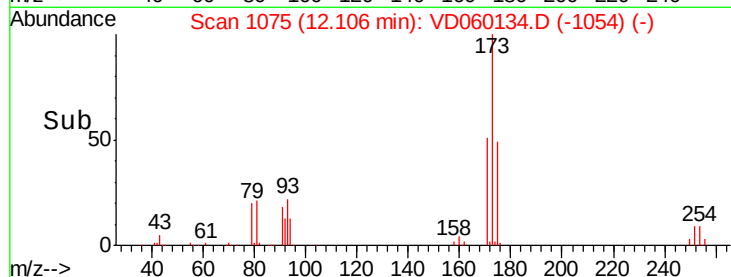
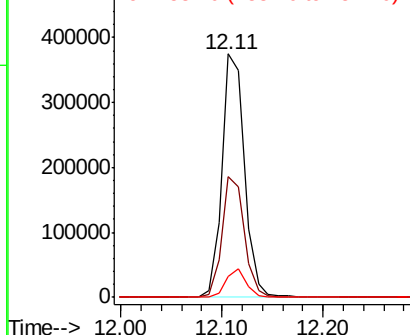
Tot Ion:	173	Resp:	583324
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.1	72.4
254	8.5	7.4	11.0

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

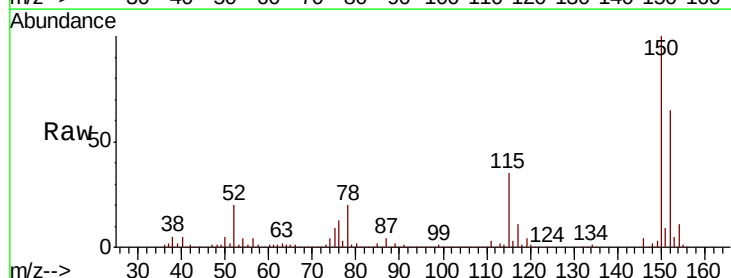
RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

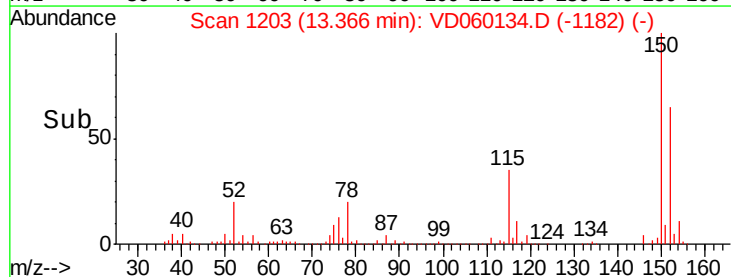
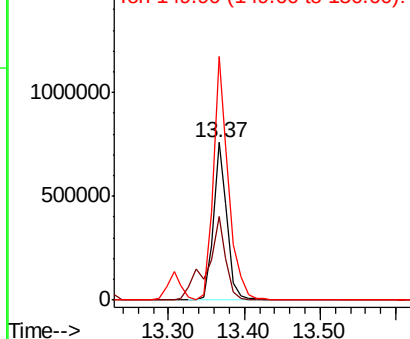
Lab File: VD060134.D

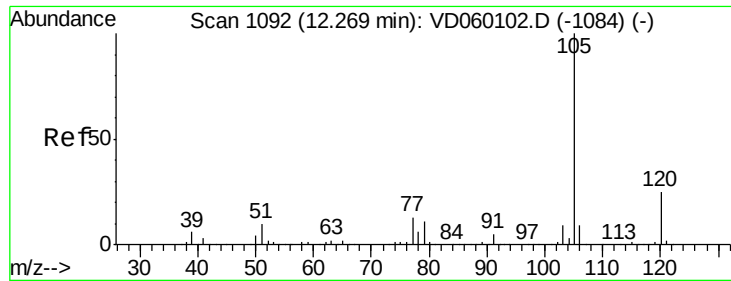
Acq: 5 Oct 2018 11:25

Tgt Ion:	152	Resp:	965343
Ion Ratio	Lower	Upper	
152	100		
115	53.3	27.1	81.2
150	154.4	0.0	311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.348 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3206459

Ion Ratio Lower Upper

105 100

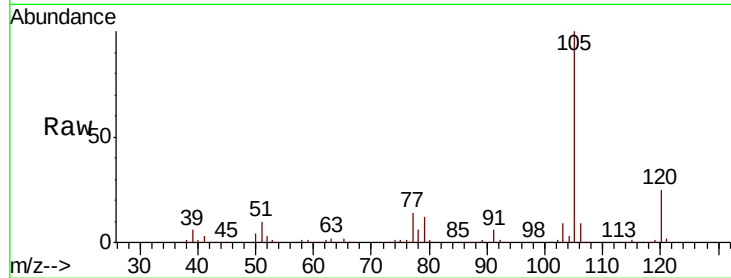
120 24.7 12.6 37.6

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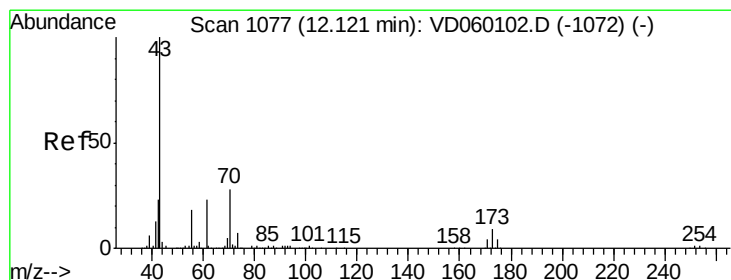
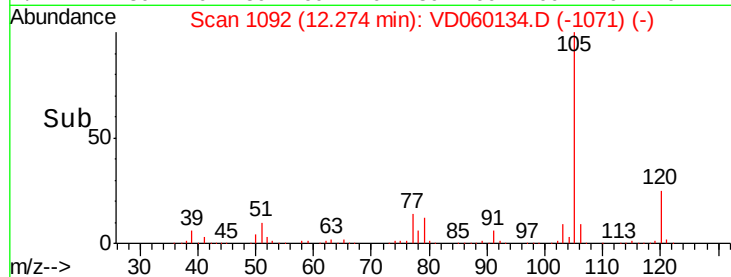
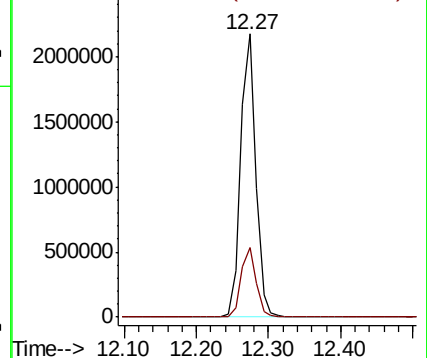
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 51.585 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion: 43 Resp: 1203337

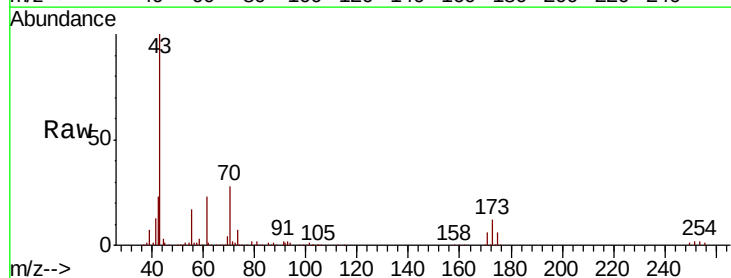
Ion Ratio Lower Upper

43 100

70 27.5 22.1 33.1

55 17.3 14.1 21.1

61 22.6 18.4 27.6

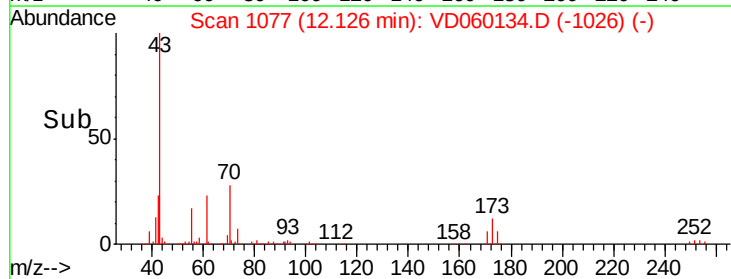
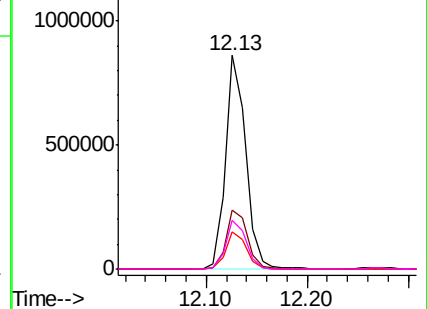


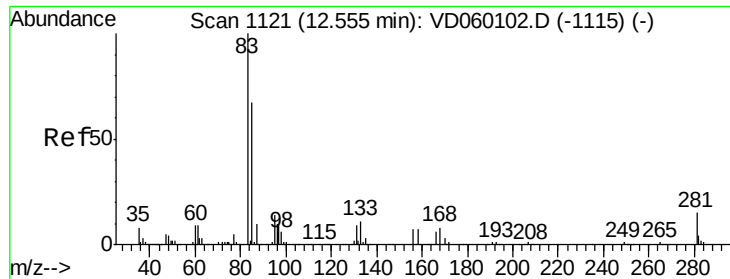
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.491 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

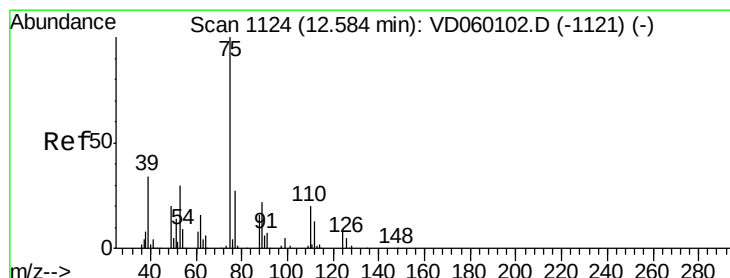
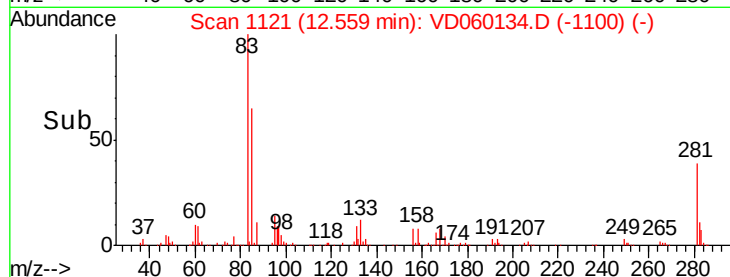
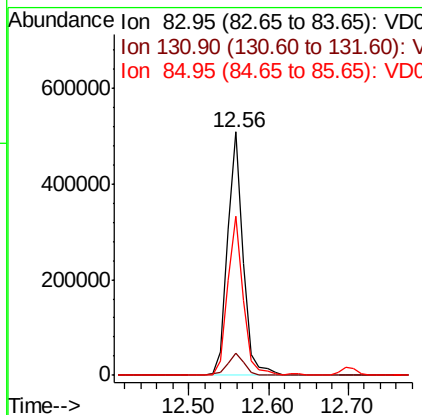
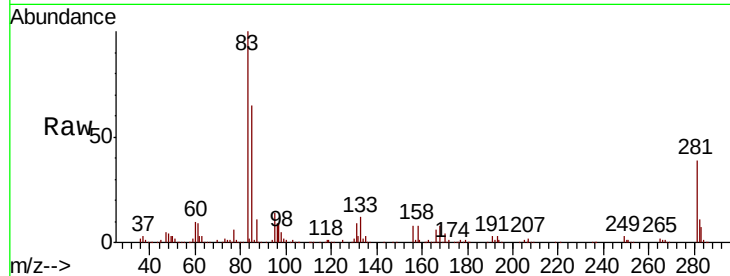
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	702000
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.5	13.4
85	65.3	33.3	99.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.705 ug/l

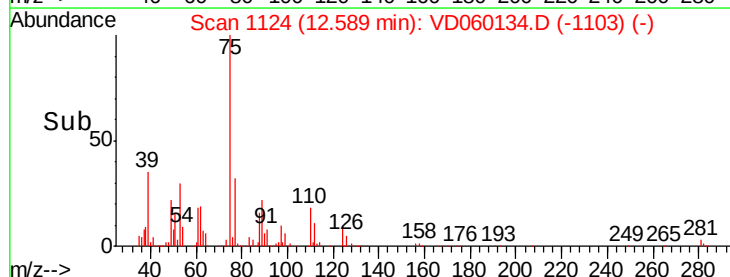
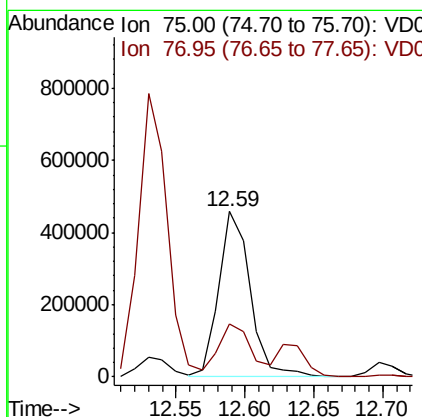
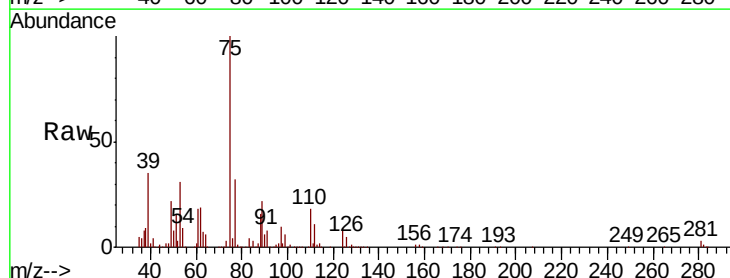
RT: 12.59 min Scan# 1124

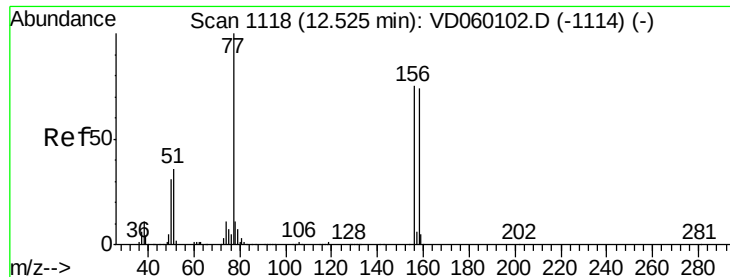
Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion:	75	Resp:	718811
Ion Ratio	Lower	Upper	
75	100		
77	32.4	16.3	48.9





#77

Bromobenzene

Concen: 51.136 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

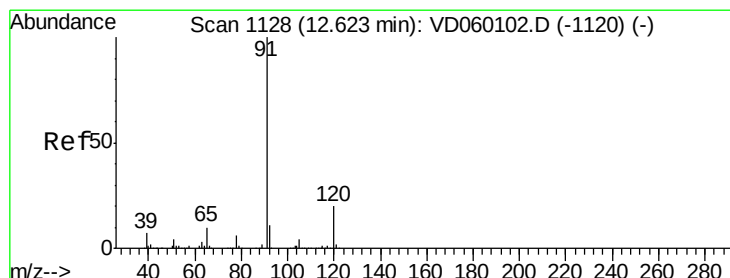
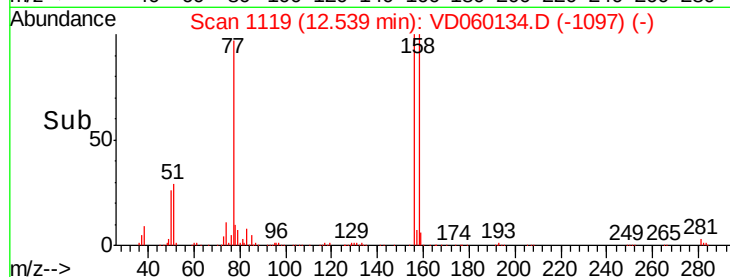
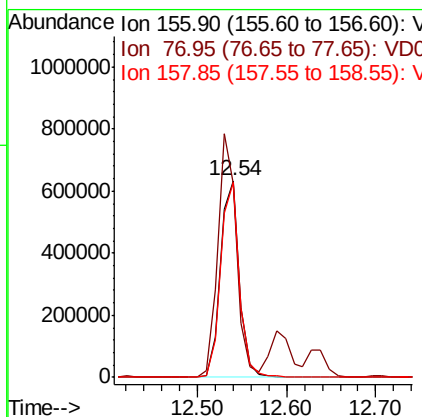
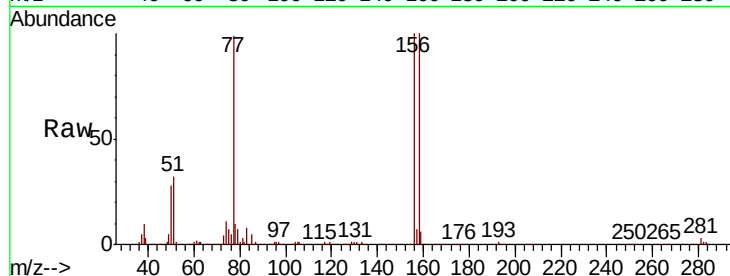
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	946355
Ion Ratio	Lower	Upper	
156	100		
77	99.0	66.9	200.7
158	99.5	49.1	147.4

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#78

n-propylbenzene

Concen: 49.832 ug/l

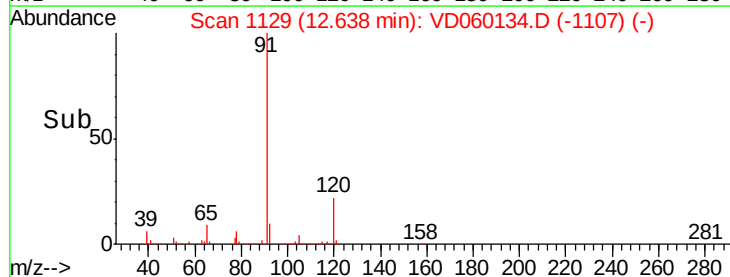
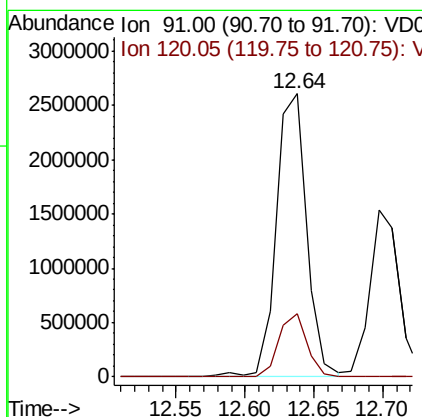
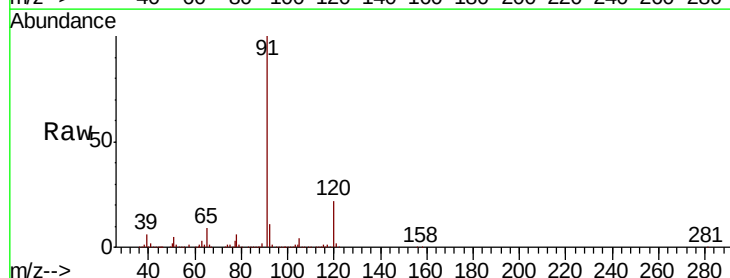
RT: 12.64 min Scan# 1129

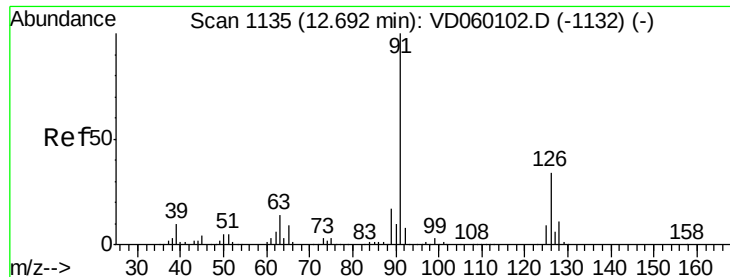
Delta R.T. 0.01 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Tgt Ion:	91	Resp:	3940671
Ion Ratio	Lower	Upper	
91	100		
120	22.4	10.0	30.0





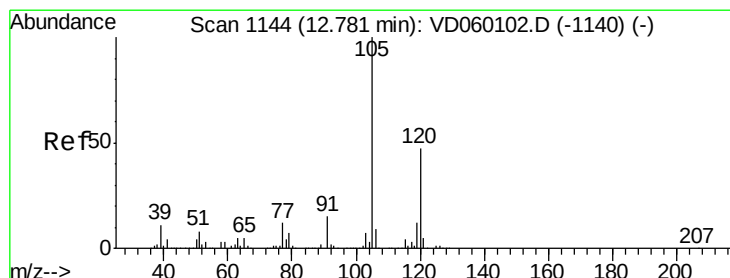
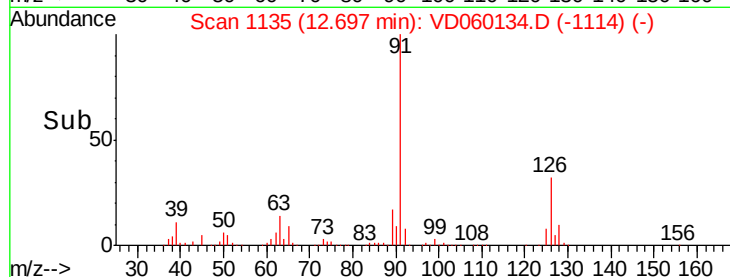
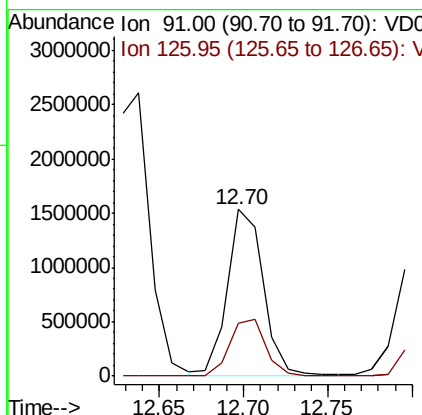
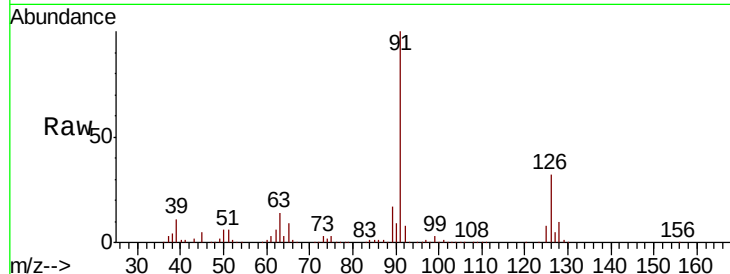
#79
 2-Chlorotoluene
 Concen: 51.573 ug/l
 RT: 12.70 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 2263483
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.8 50.3

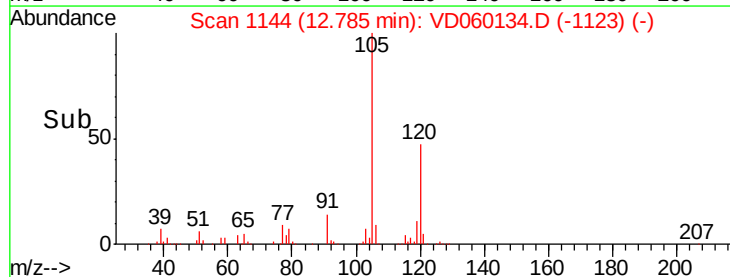
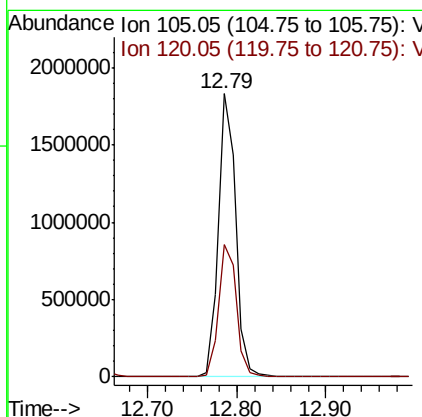
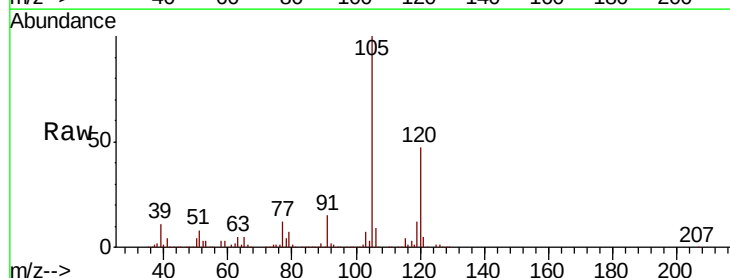
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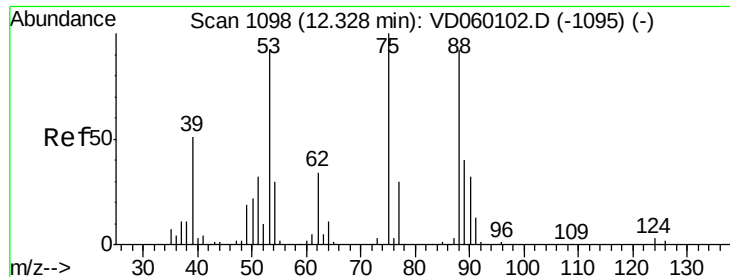
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.505 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 105 Resp: 2489370
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 54.427 ug/l

RT: 12.33 min Scan# 1098

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 212610

Ion Ratio Lower Upper

75 100

53 94.8 73.0 109.6

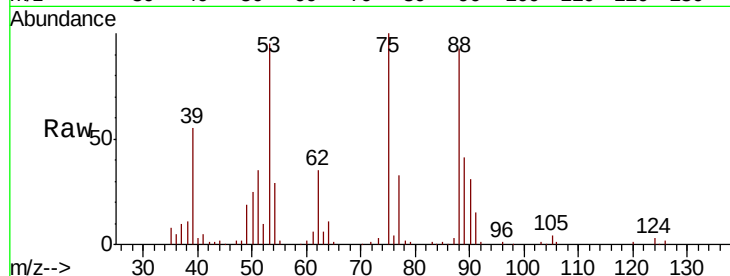
89 40.7 32.0 48.0

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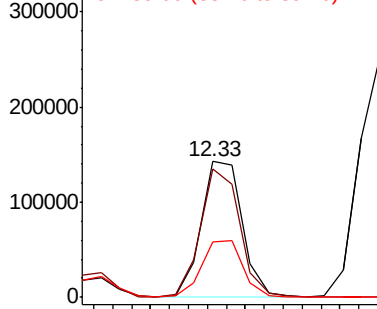
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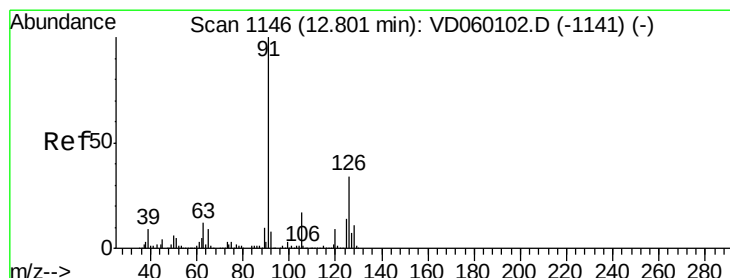
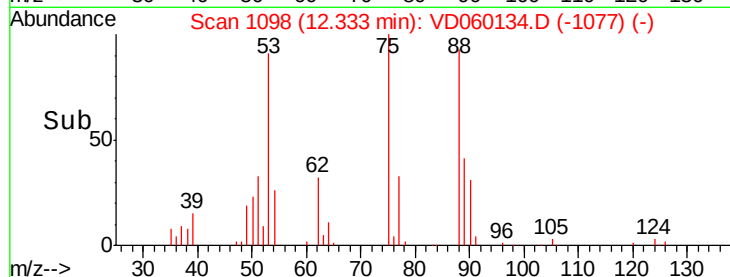
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



Time-->



#82

4-Chlorotoluene

Concen: 50.435 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060134.D

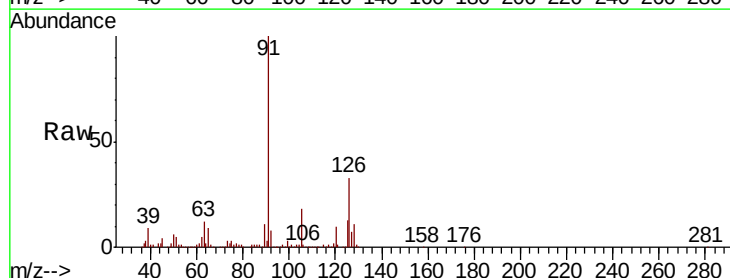
Acq: 5 Oct 2018 11:25

Tgt Ion: 91 Resp: 2503676

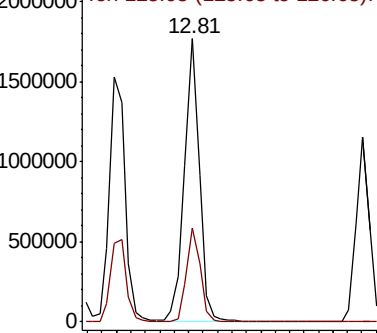
Ion Ratio Lower Upper

91 100

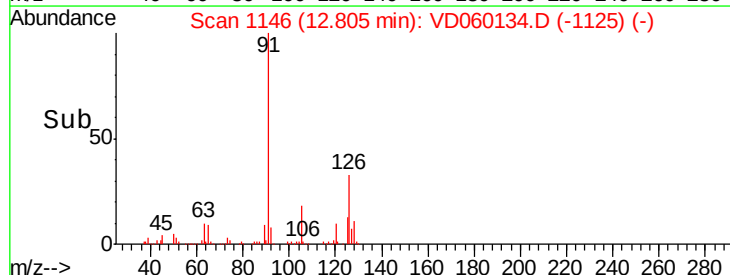
126 33.4 17.1 51.2

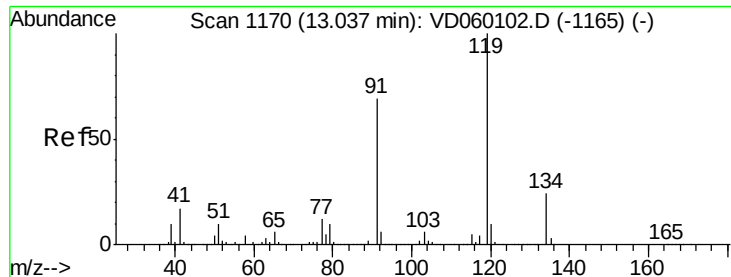


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V



Time-->





#83

tert-Butylbenzene

Concen: 51.818 ug/l

RT: 13.04 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2930937

Ion Ratio Lower Upper

119 100

91 71.9 34.8 104.4

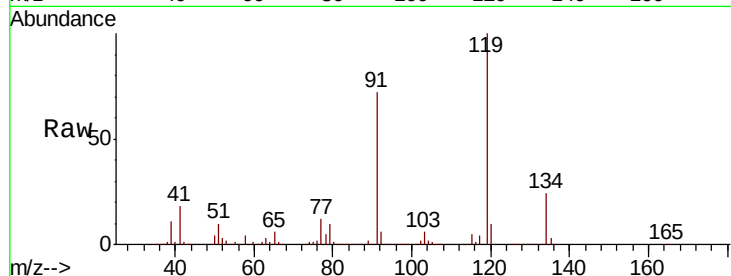
134 23.6 11.8 35.4

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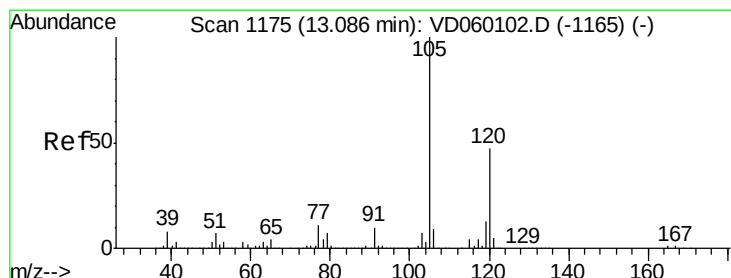
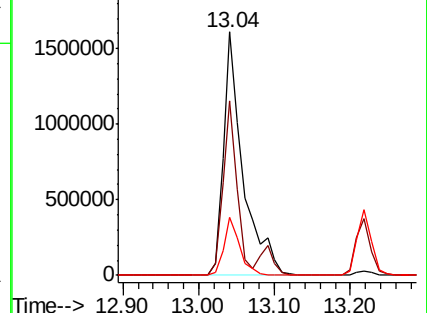
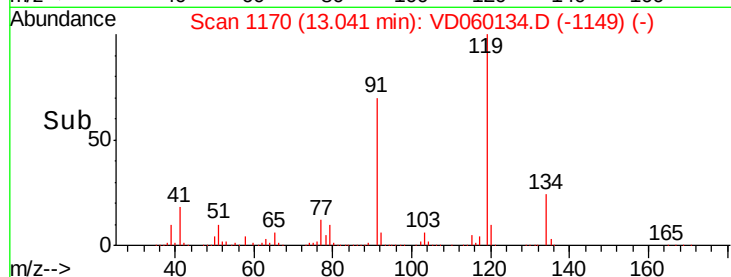
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.379 ug/l

RT: 13.09 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VD060134.D

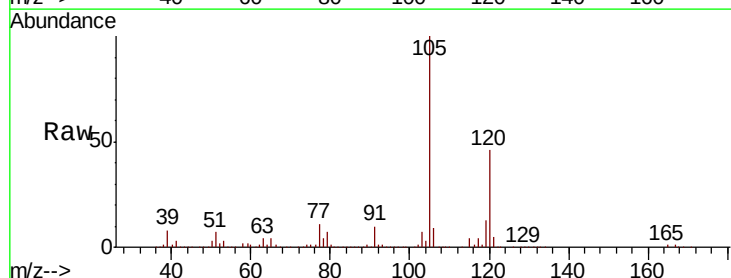
Acq: 5 Oct 2018 11:25

Tgt Ion:105 Resp: 2513186

Ion Ratio Lower Upper

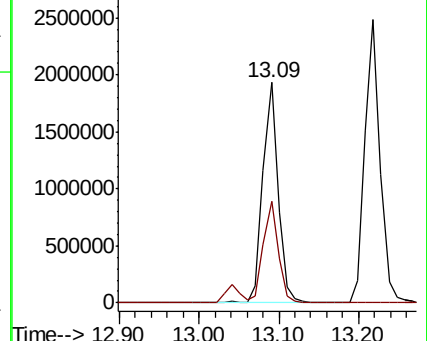
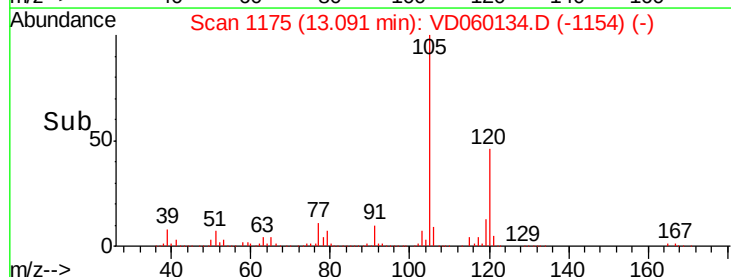
105 100

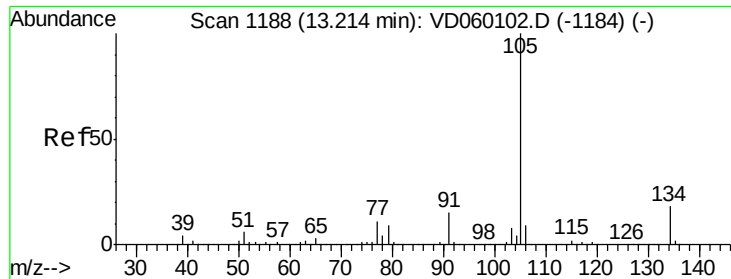
120 45.9 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 49.219 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3291622

Ion Ratio Lower Upper

105 100

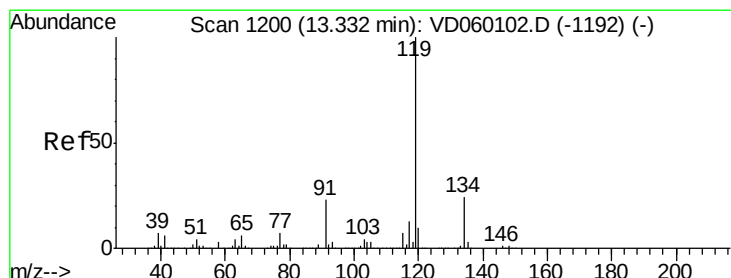
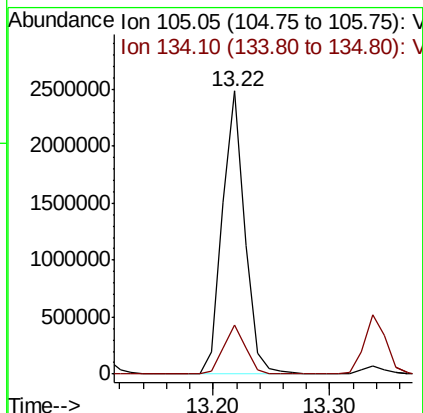
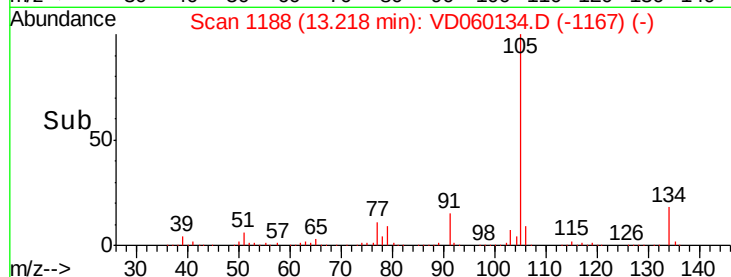
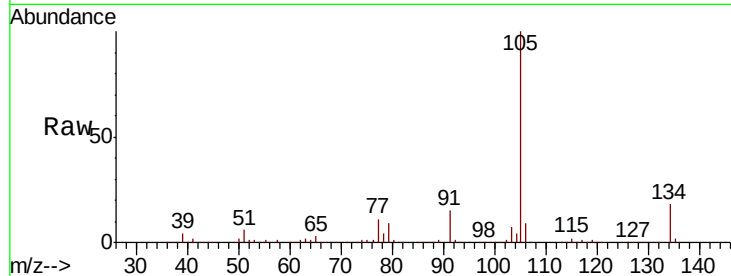
134 17.5 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 50.269 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060134.D

Acq: 5 Oct 2018 11:25

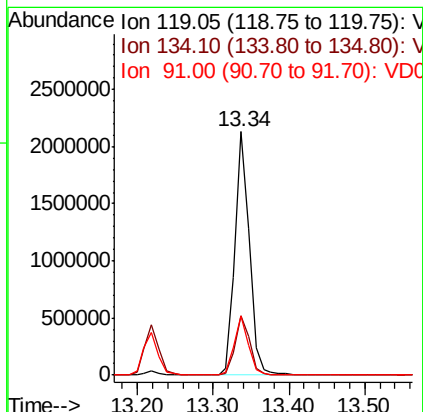
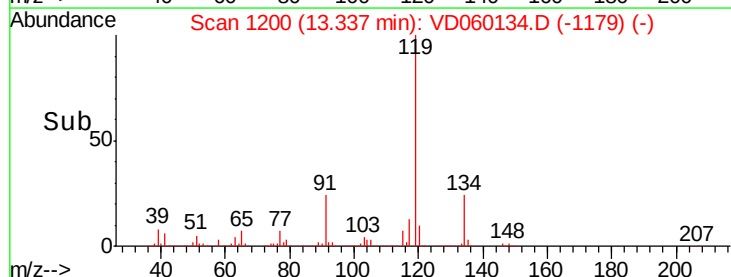
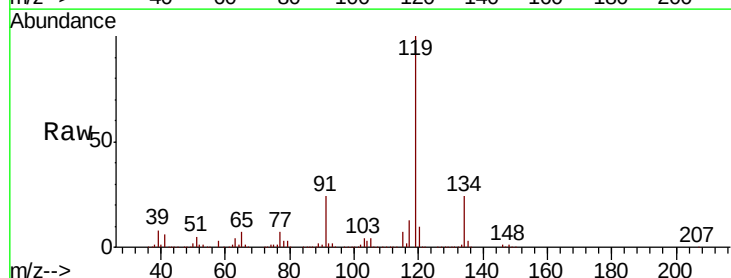
Tgt Ion:119 Resp: 2757429

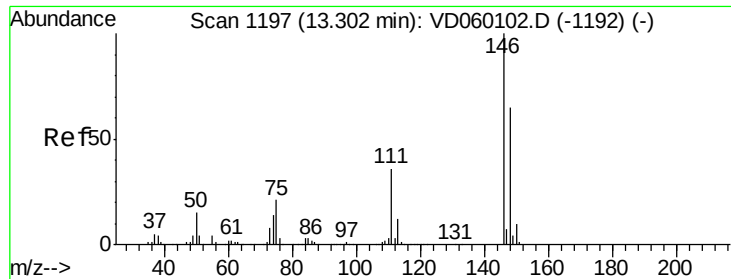
Ion Ratio Lower Upper

119 100

134 24.4 12.3 36.8

91 24.2 11.8 35.4





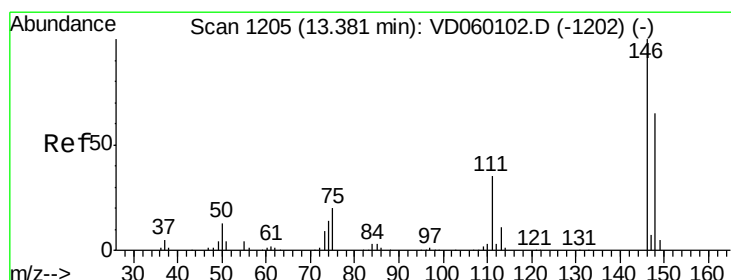
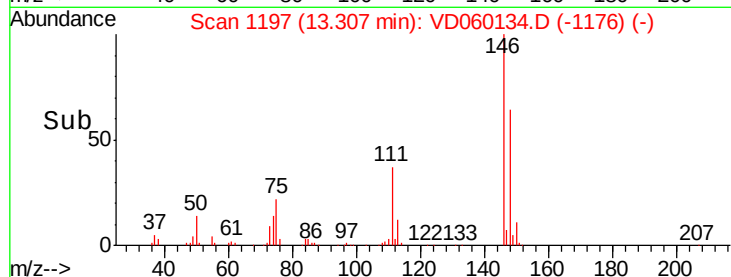
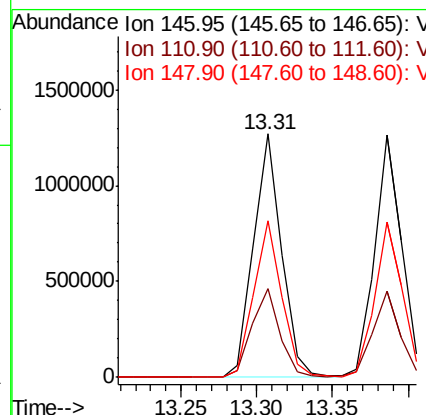
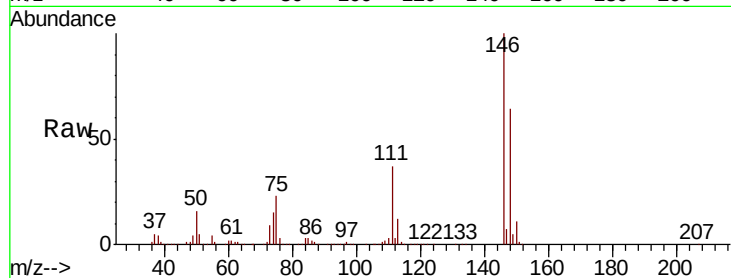
#87
 1,3-Dichlorobenzene
 Concen: 51.217 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1651412
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.3
 148 64.2 32.3 96.9

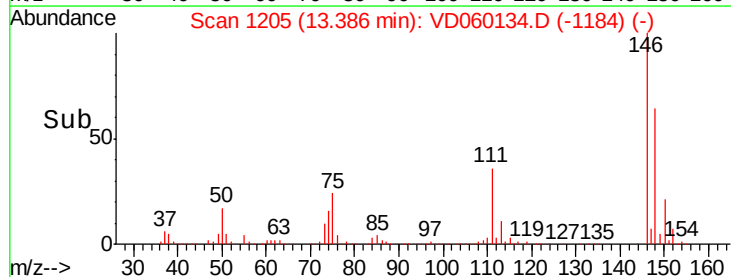
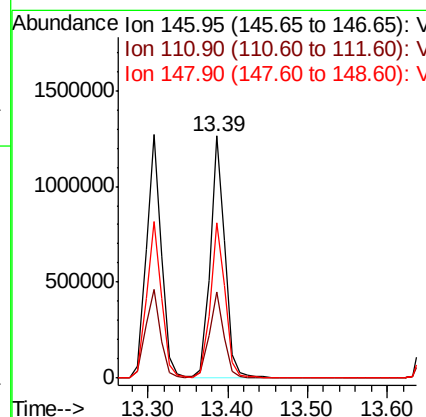
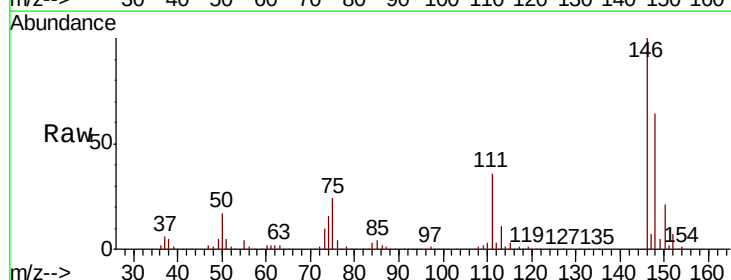
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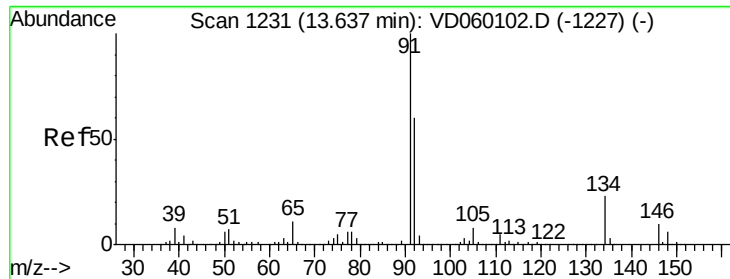
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#88
 1,4-Dichlorobenzene
 Concen: 49.680 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion:146 Resp: 1608965
 Ion Ratio Lower Upper
 146 100
 111 35.7 17.8 53.3
 148 63.9 32.4 97.2





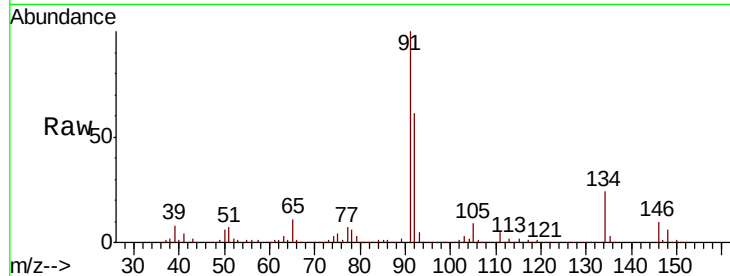
#89
n-Butylbenzene
Concen: 51.250 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

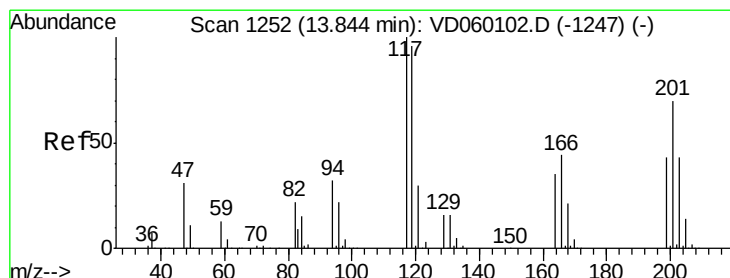
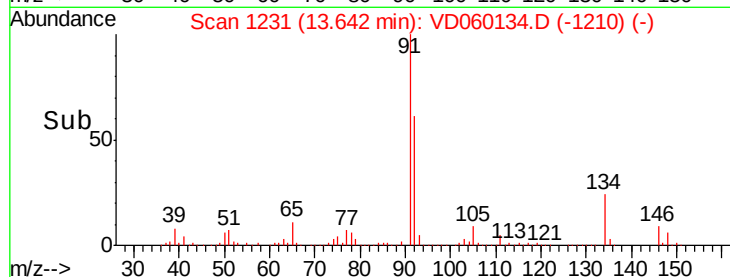
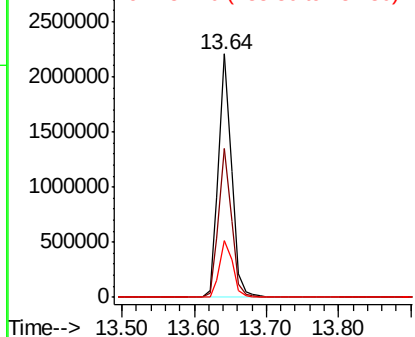
Tot Ion: 91 Resp: 2743072
Ion Ratio Lower Upper
91 100
92 61.0 30.1 90.3
134 23.5 11.6 34.7

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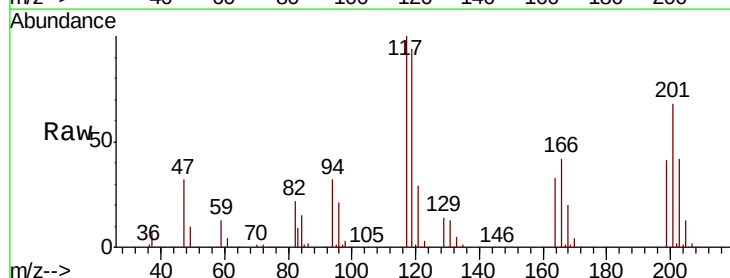


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V

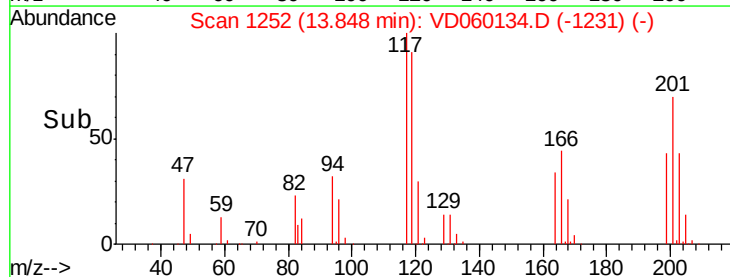
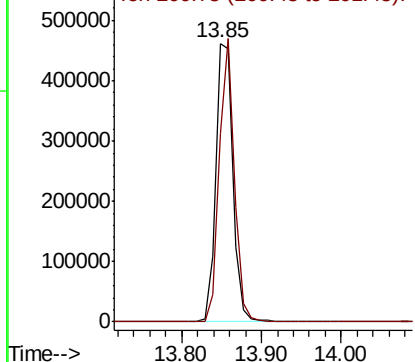


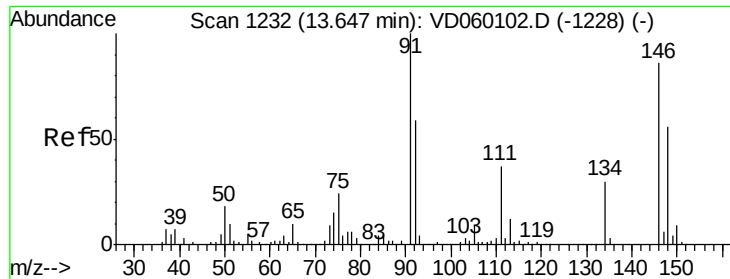
#90
Hexachloroethane
Concen: 55.400 ug/l
RT: 13.85 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion: 117 Resp: 703305
Ion Ratio Lower Upper
117 100
201 67.7 34.8 104.5



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





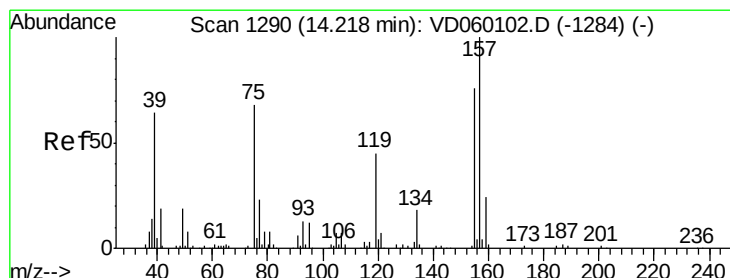
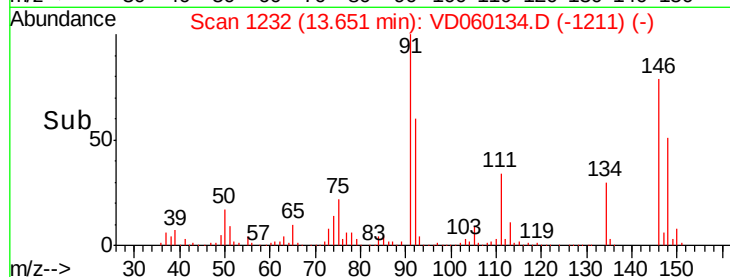
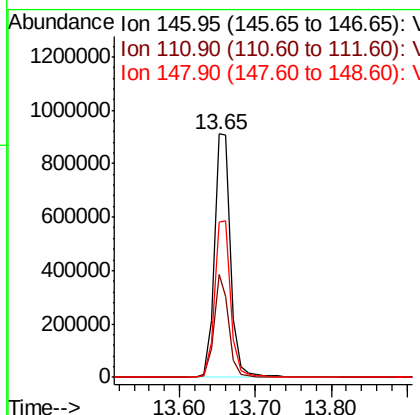
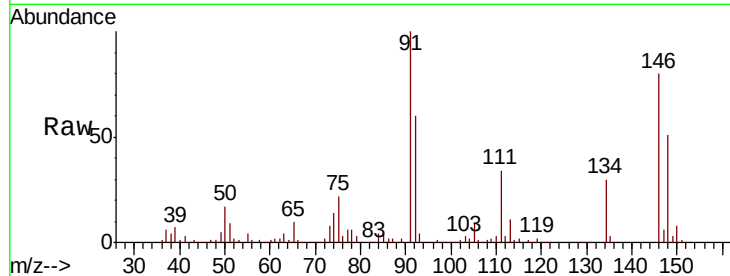
#91
 1,2-Dichlorobenzene
 Concen: 50.823 ug/l
 RT: 13.65 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1377868
 Ion Ratio Lower Upper
 146 100
 111 42.5 21.4 64.3
 148 63.9 32.2 96.6

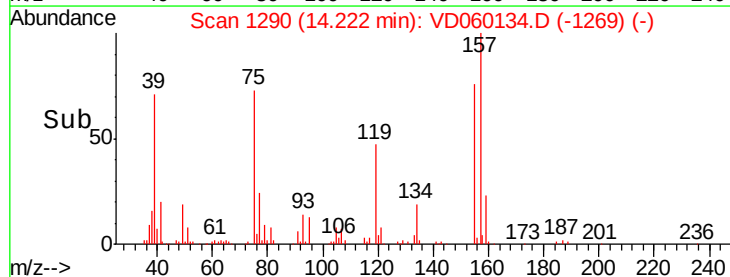
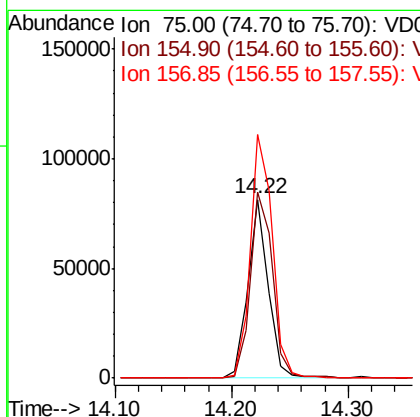
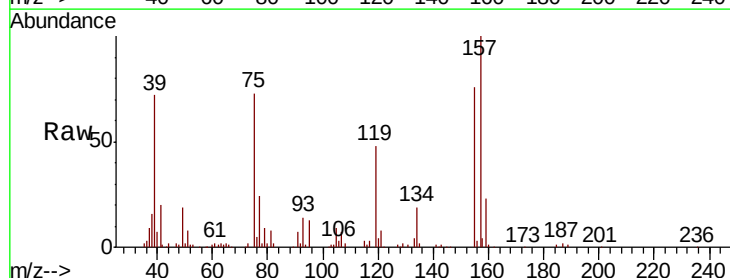
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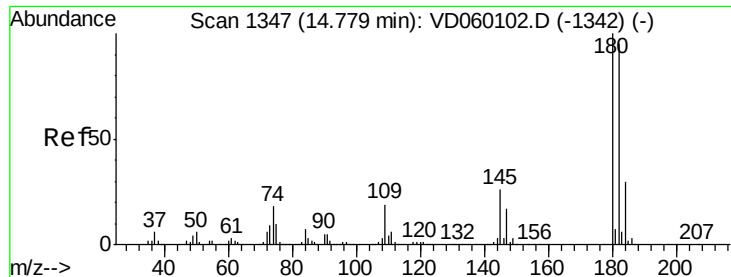
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.541 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion: 75 Resp: 99394
 Ion Ratio Lower Upper
 75 100
 155 104.2 55.9 167.7
 157 136.2 73.3 219.8





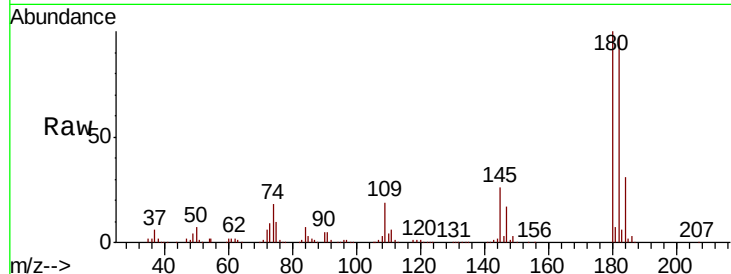
#93
 1,2,4-Trichlorobenzene
 Concen: 49.568 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	141.8
145	25.6	13.0	38.9

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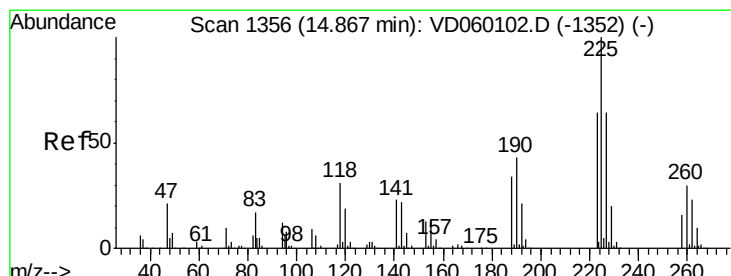
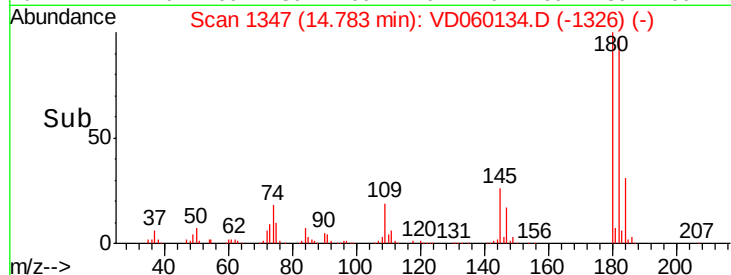
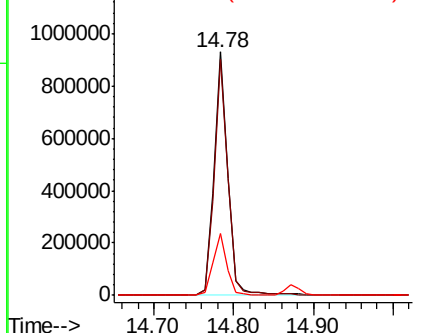


Abundance

Ion 179.85 (179.55 to 180.55): V

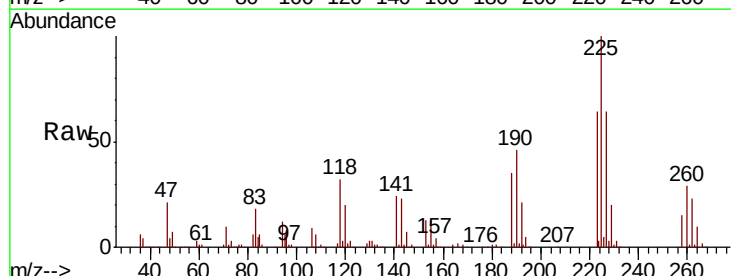
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 51.126 ug/l
 RT: 14.87 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VD060134.D
 Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	95.4
227	64.1	32.0	96.0

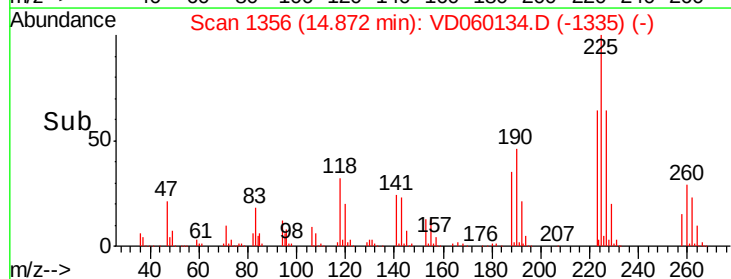
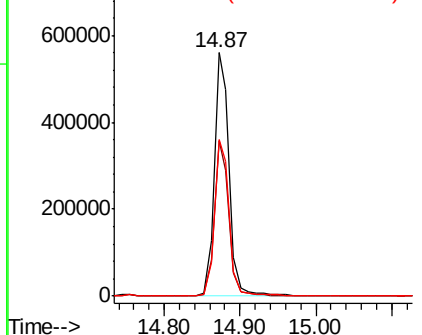


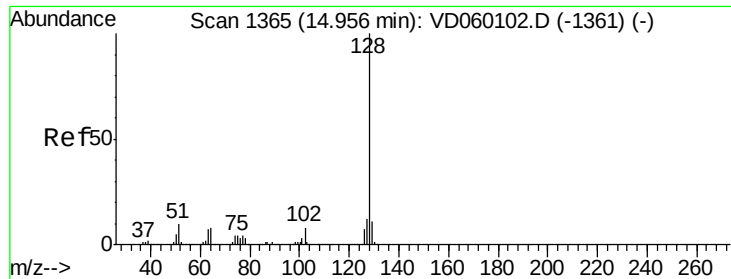
Abundance

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





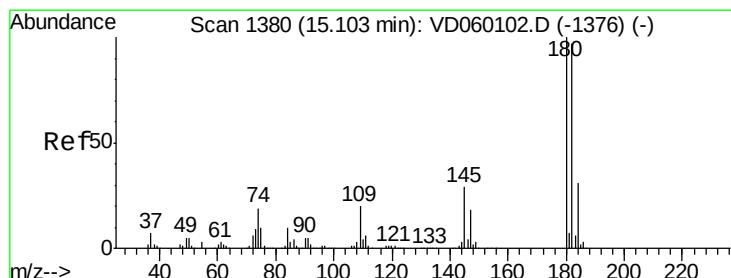
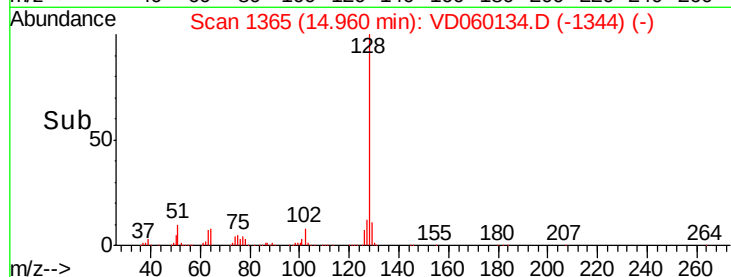
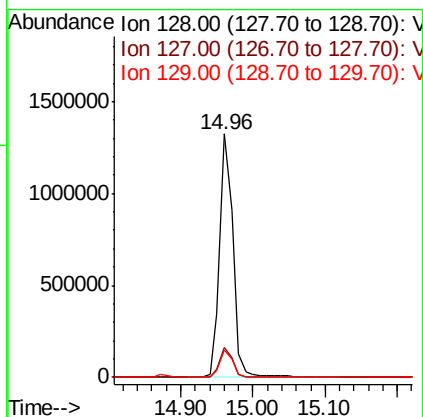
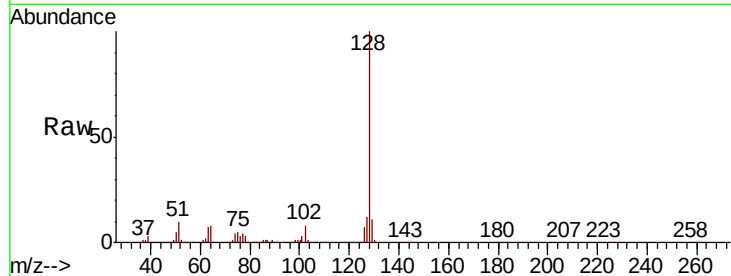
#95
Naphthalene
Concen: 49.111 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.3	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 48.400 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060134.D
Acq: 5 Oct 2018 11:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.4	145.0
145	28.6	14.5	43.6

