

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100418\
 Data File : VD060125.D
 Acq On : 4 Oct 2018 11:17
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 10/5/2018 12:20:14 PM

Quant Time: Oct 04 15:36:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1683176	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2335796	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1899073	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	975358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	662014	51.89	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	6.32	113	893392	50.37	ug/l	0.03
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	9.45	98	2588029	51.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.34%	
62) 4-Bromofluorobenzene	12.43	95	948876	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	864726	54.615	ug/l	98
3) Chloromethane	1.76	50	784909	54.977	ug/l	99
4) Vinyl Chloride	1.85	62	660355	56.518	ug/l	99
5) Bromomethane	2.14	94	111802	76.207	ug/l	99
6) Chloroethane	2.25	64	192566	60.396	ug/l	97
7) Trichlorofluoromethane	2.51	101	772006	55.182	ug/l	100
8) Diethyl Ether	2.82	74	161792	56.241	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.09	101	502778	57.687	ug/l	97
10) Methyl Iodide	3.24	142	549285	59.429	ug/l	98
11) Tert butyl alcohol	3.96	59	232764	254.377	ug/l	100
12) 1,1-Dichloroethene	3.07	96	400335	58.306	ug/l	92
13) Acrolein	2.98	56	151421	268.442	ug/l	95
14) Allyl chloride	3.53	41	811177	56.883	ug/l	98
15) Acrylonitrile	4.08	53	1024729	270.559	ug/l	98
16) Acetone	3.16	43	681580	294.404	ug/l	99
17) Carbon Disulfide	3.31	76	1258038	54.485	ug/l	99
18) Methyl Acetate	3.55	43	292754	58.834	ug/l	100
19) Methyl tert-butyl Ether	4.12	73	1621782	53.722	ug/l	98
20) Methylene Chloride	3.72	84	946495	52.122	ug/l	99
21) trans-1,2-Dichloroethene	4.09	96	920040	51.883	ug/l	99
22) Diisopropyl ether	4.85	45	3338438	52.421	ug/l	94
23) Vinyl Acetate	4.80	43	9568239	267.285	ug/l	100
24) 1,1-Dichloroethane	4.75	63	1532402	53.069	ug/l	100
25) 2-Butanone	5.62	43	1692799	292.683	ug/l	97
26) 2,2-Dichloropropane	5.59	77	1227232	56.063	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	988354	52.605	ug/l	94
28) Bromochloromethane	5.92	49	694449	49.490	ug/l	96
29) Tetrahydrofuran	5.95	42	896179	266.761	ug/l	99
30) Chloroform	6.10	83	1574647	53.910	ug/l	99
31) Cyclohexane	6.36	56	1389039	50.252	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1282775	53.605	ug/l	98
36) 1,1-Dichloropropene	6.52	75	1156714	51.823	ug/l	98
37) Ethyl Acetate	5.69	43	774651	52.286	ug/l	98
38) Carbon Tetrachloride	6.50	117	1081630	53.391	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1340685	52.864	ug/l	99
40) Benzene	6.80	78	3091479	52.942	ug/l	100
41) Methacrylonitrile	5.92	41	439606m	52.496	ug/l	
42) 1,2-Dichloroethane	6.90	62	892181	53.292	ug/l	99
43) Isopropyl Acetate	8.35	43	1059308	54.348	ug/l #	99
44) Trichloroethene	7.74	130	938854	51.938	ug/l	98
45) 1,2-Dichloropropane	8.11	63	794991	51.994	ug/l	97
46) Dibromomethane	8.21	93	524289	52.963	ug/l	94
47) Bromodichloromethane	8.49	83	1166529	55.306	ug/l	99
48) Methyl methacrylate	8.24	41	592325	53.350	ug/l	99
49) 1,4-Dioxane	8.23	88	111226	1018.170	ug/l	99
51) 4-Methyl-2-Pentanone	9.35	43	3250379	264.391	ug/l	99
52) Toluene	9.55	92	1968107	52.332	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1050193	55.027	ug/l	98
54) cis-1,3-Dichloropropene	9.10	75	1267084	53.764	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	629405	51.194	ug/l	98
56) Ethyl methacrylate	10.03	69	730843	53.852	ug/l	97
57) 1,3-Dichloropropane	10.39	76	989330	52.762	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1827109	242.440	ug/l	97
59) 2-Hexanone	10.49	43	2481054	280.654	ug/l	100
60) Dibromochloromethane	10.64	129	815600	54.068	ug/l	100
61) 1,2-Dibromoethane	10.76	107	691842	52.961	ug/l	99
64) Tetrachloroethene	10.25	164	867459	52.152	ug/l	99
65) Chlorobenzene	11.31	112	2061479	50.177	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	705875	51.503	ug/l	99
67) Ethyl Benzene	11.43	91	3323528	49.930	ug/l	99
68) m/p-Xylenes	11.57	106	2580905	103.774	ug/l	98
69) o-Xylene	11.93	106	1247210	50.699	ug/l	92
70) Styrene	11.95	104	2098908	51.020	ug/l	98
71) Bromoform	12.12	173	611828	55.129	ug/l	97
73) Isopropylbenzene	12.28	105	3370180	52.376	ug/l	99
74) N-amyl acetate	12.14	43	1321142	56.053	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	751531	53.498	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	766537	54.572	ug/l	99
77) Bromobenzene	12.54	156	998099	53.378	ug/l	87
78) n-propylbenzene	12.64	91	4177777	52.288	ug/l	96
79) 2-Chlorotoluene	12.71	91	2343305	52.843	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	2633642	52.883	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	229332	58.105	ug/l	93
82) 4-Chlorotoluene	12.81	91	2594180	51.722	ug/l	97
83) tert-Butylbenzene	13.05	119	3071297	53.742	ug/l	98
84) 1,2,4-Trimethylbenzene	13.09	105	2641736	50.331	ug/l	98
85) sec-Butylbenzene	13.22	105	3571775	52.859	ug/l	100
86) p-Isopropyltoluene	13.34	119	2948392	53.198	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1705701	52.358	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1683197	51.438	ug/l	99
89) n-Butylbenzene	13.65	91	2825425	52.247	ug/l	100
90) Hexachloroethane	13.86	117	725407	56.555	ug/l	67
91) 1,2-Dichlorobenzene	13.67	146	1403279	51.229	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	107644	57.390	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1213438	52.190	ug/l	98
94) Hexachlorobutadiene	14.89	225	814117	52.677	ug/l	99
95) Naphthalene	14.96	128	1724756	50.045	ug/l	100
96) 1,2,3-Trichlorobenzene	15.11	180	1028968	50.874	ug/l	99

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

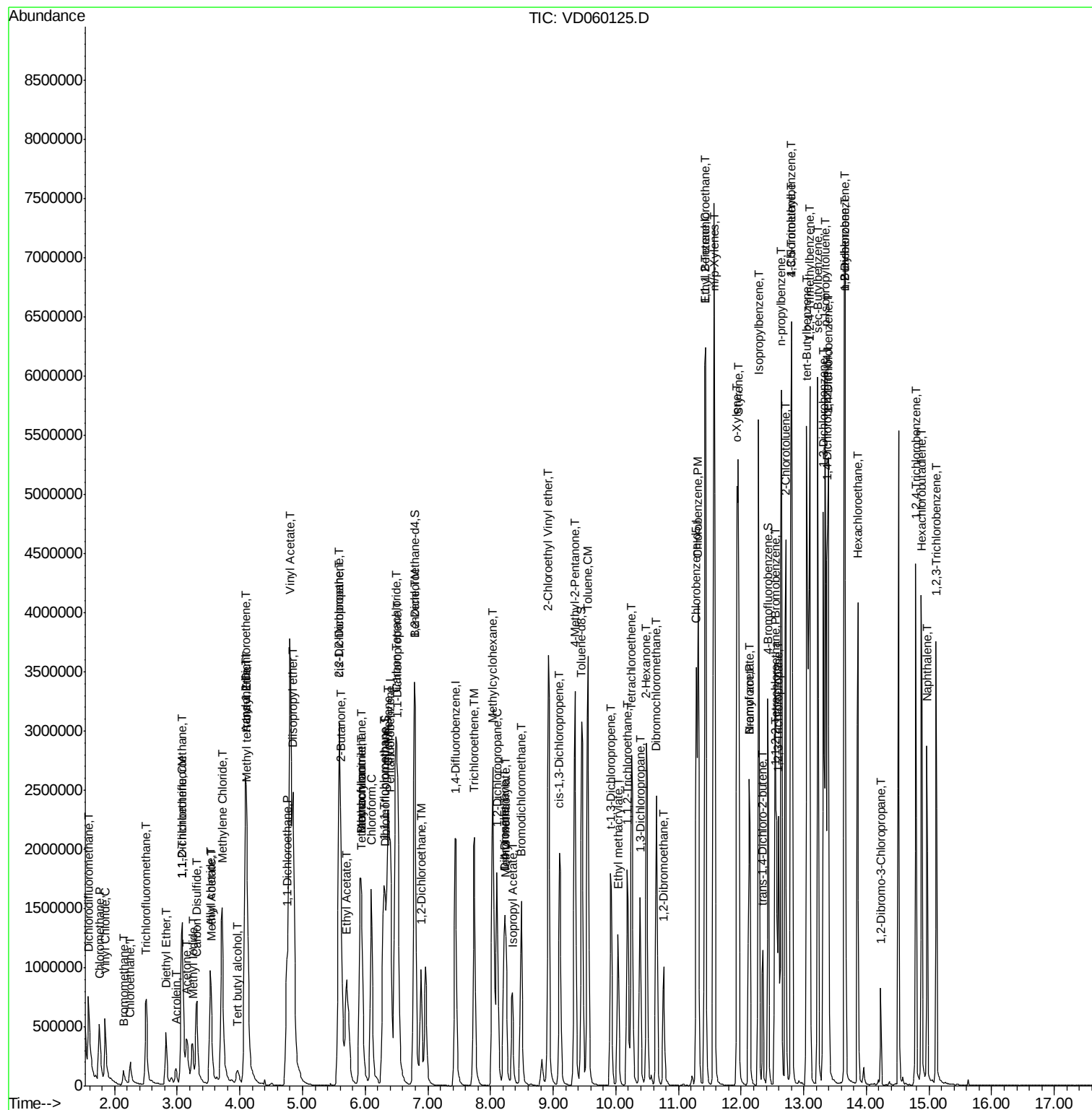
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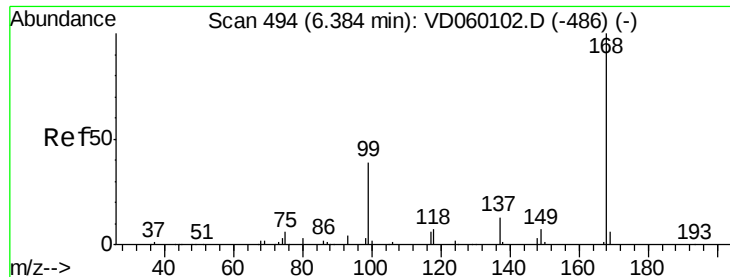
Instrument :
 MSVOA_D
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#1

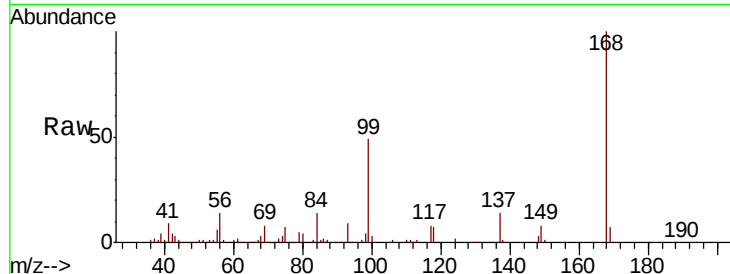
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.40 min Scan# 496
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
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 ClientSampleId :
 VSTDCCC050

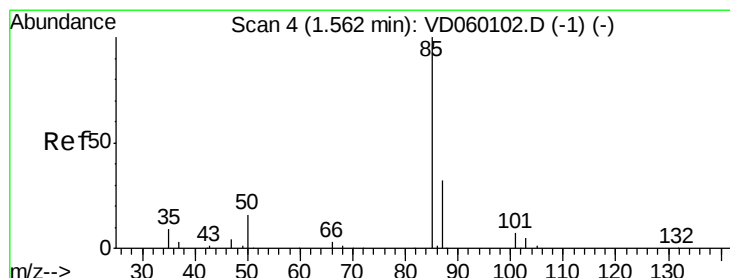
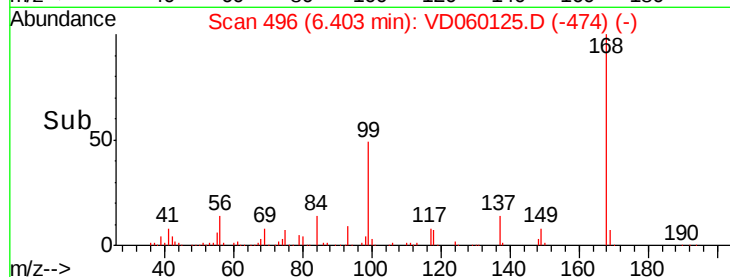
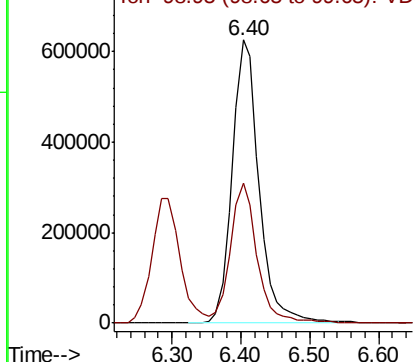
Tot Ion:168 Resp: 1683176
 Ion Ratio Lower Upper
 168 100
 99 49.4 35.4 53.0

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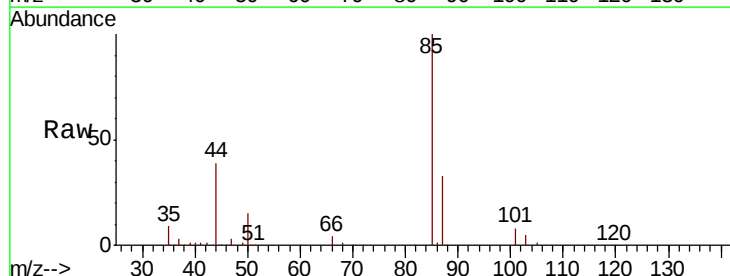
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): VDC



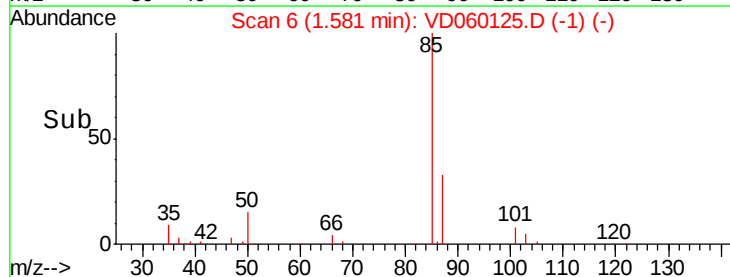
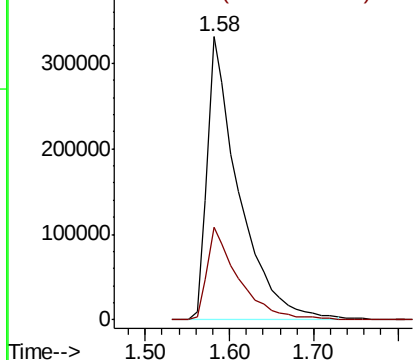
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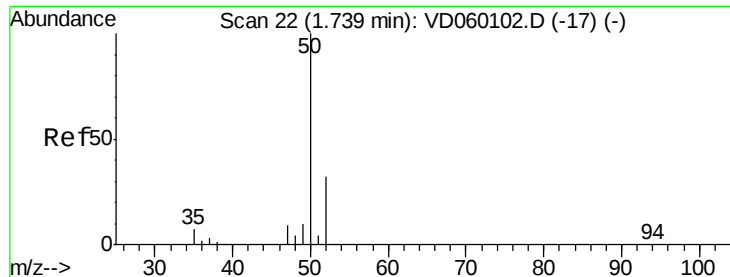
Dichlorodifluoromethane
 Concen: 54.615 ug/l
 RT: 1.58 min Scan# 6
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion: 85 Resp: 864726
 Ion Ratio Lower Upper
 85 100
 87 32.7 15.9 47.6



Abundance Ion 84.95 (84.65 to 85.65): VDC
 Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.977 ug/l

RT: 1.76 min Scan# 24

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 784909

Ion Ratio Lower Upper

50 100

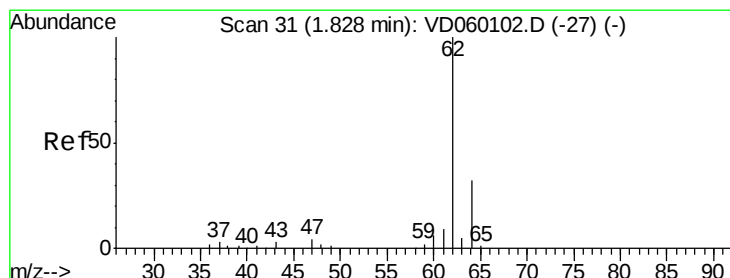
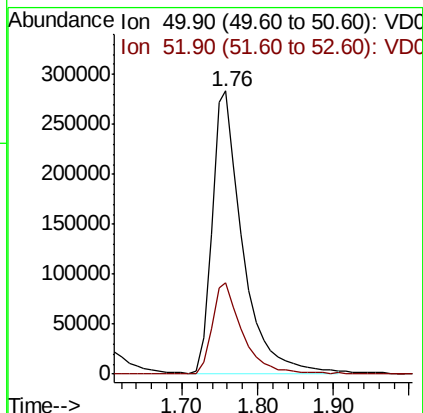
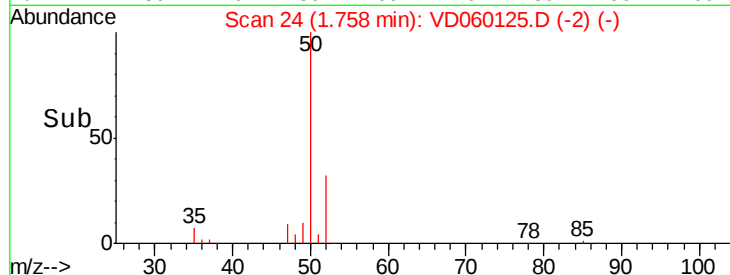
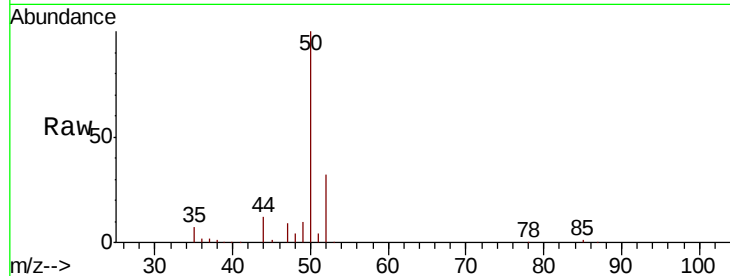
52 32.2 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.518 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060125.D

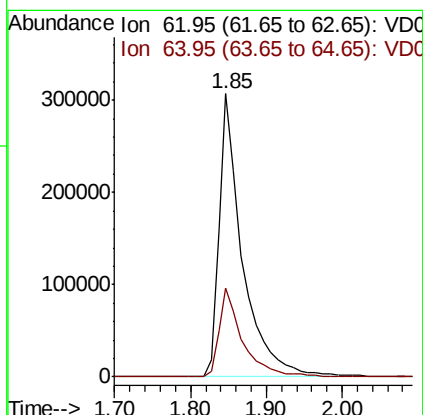
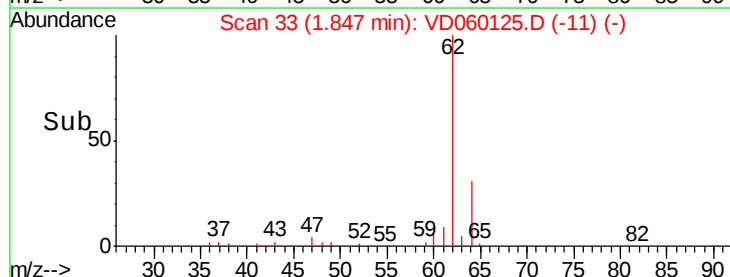
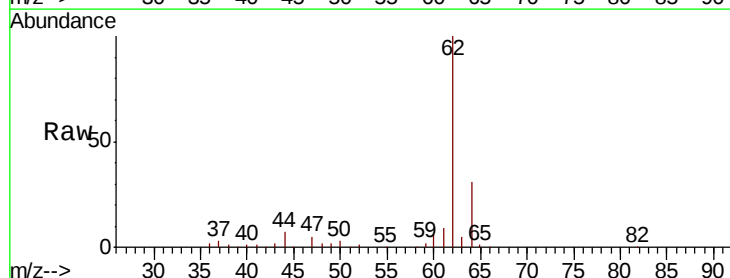
Acq: 4 Oct 2018 11:17

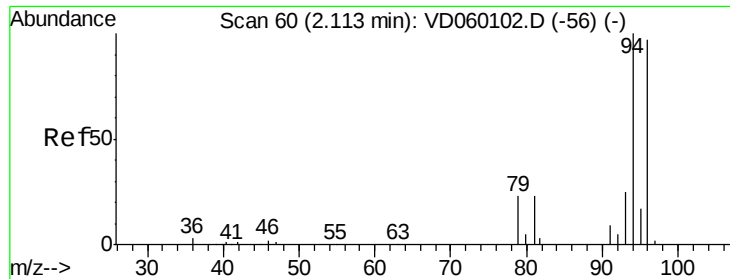
Tgt Ion: 62 Resp: 660355

Ion Ratio Lower Upper

62 100

64 31.2 25.2 37.8





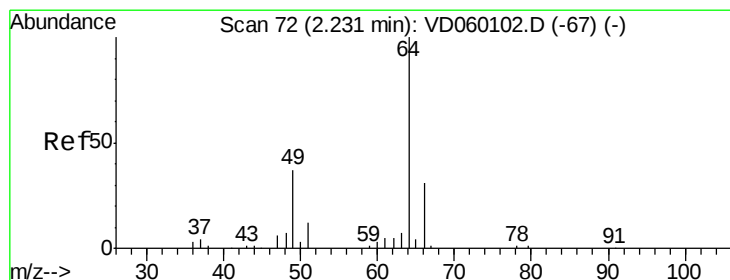
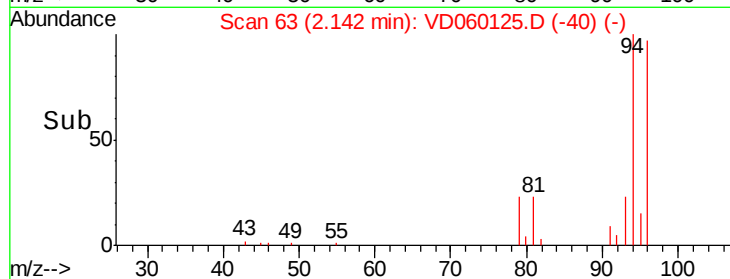
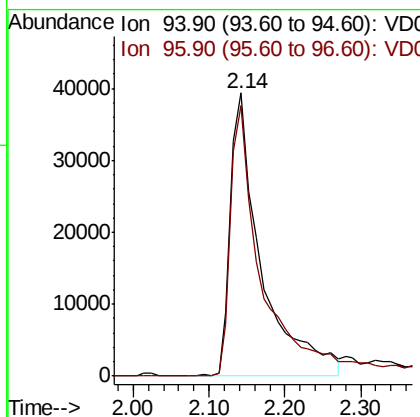
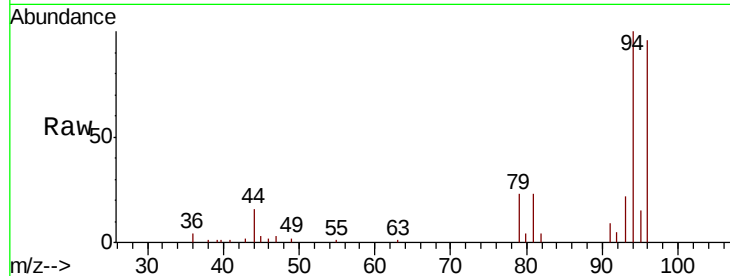
#5
Bromomethane
Concen: 76.207 ug/l
RT: 2.14 min Scan# 63
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 111802
Ion Ratio Lower Upper
94 100
96 95.8 77.4 116.2

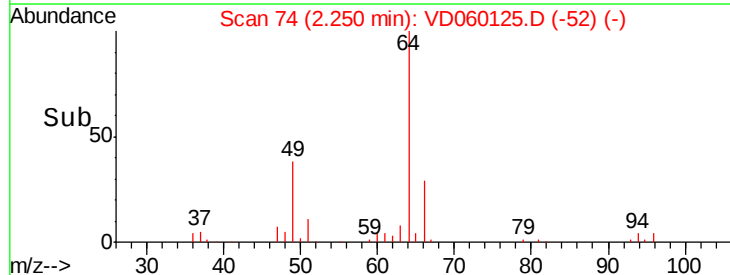
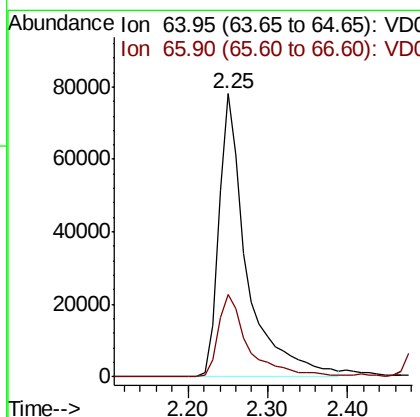
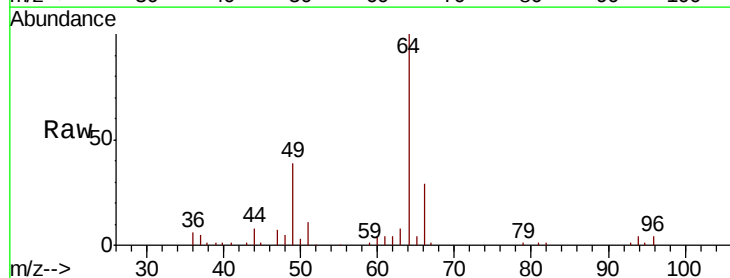
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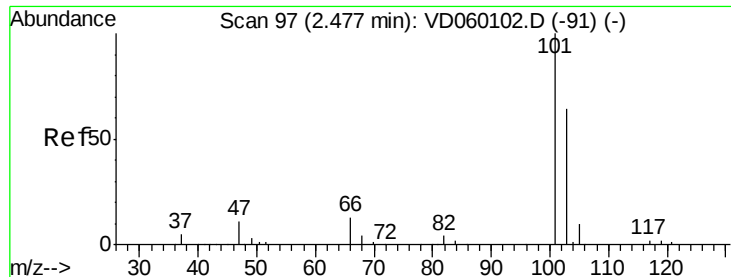
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#6
Chloroethane
Concen: 60.396 ug/l
RT: 2.25 min Scan# 74
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion: 64 Resp: 192566
Ion Ratio Lower Upper
64 100
66 29.2 24.6 37.0





#7

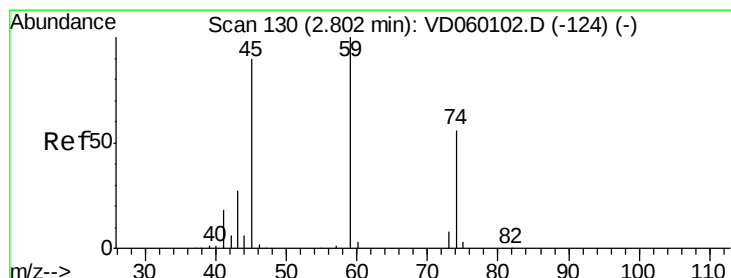
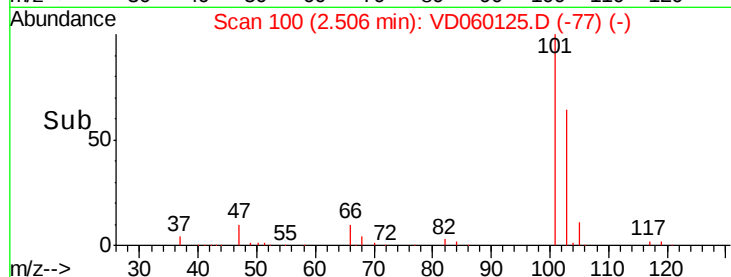
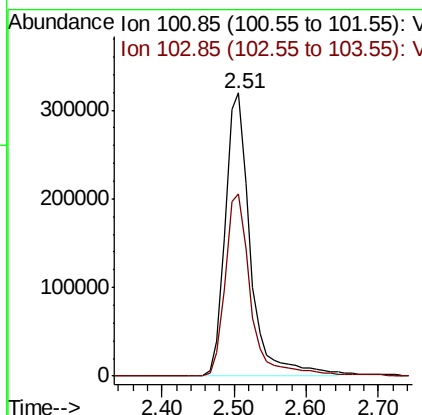
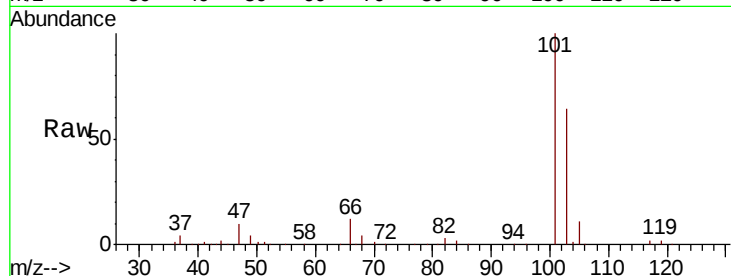
Trichlorofluoromethane
Concen: 55.182 ug/l
RT: 2.51 min Scan# 100
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.5	77.3

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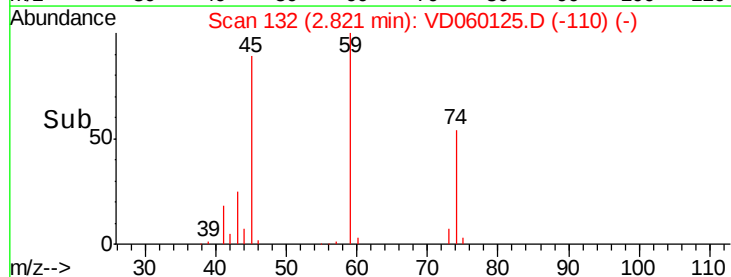
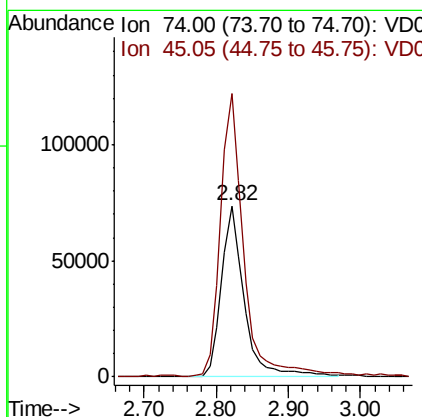
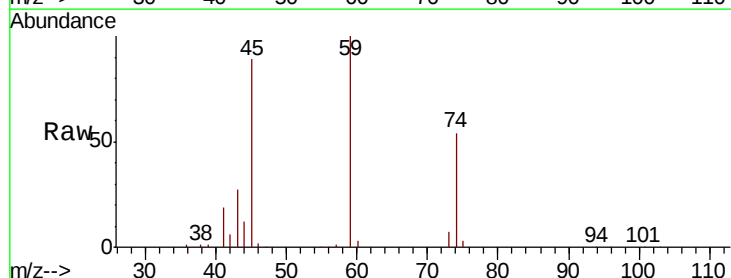
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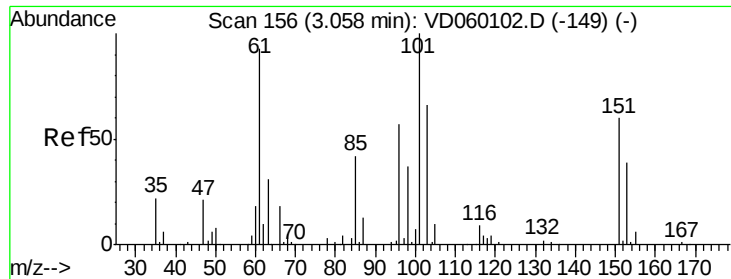


#8

Diethyl Ether
Concen: 56.241 ug/l
RT: 2.82 min Scan# 132
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	165.5	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.687 ug/l

RT: 3.09 min Scan# 159

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

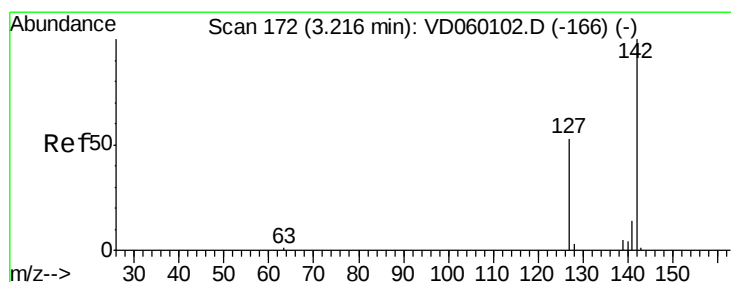
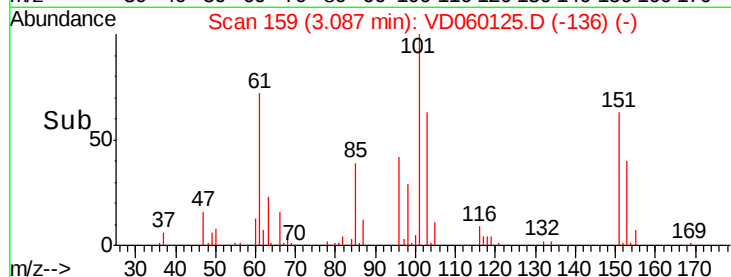
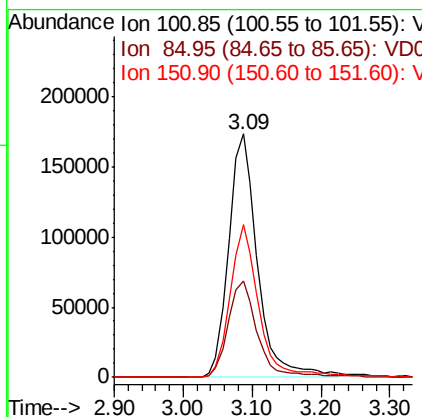
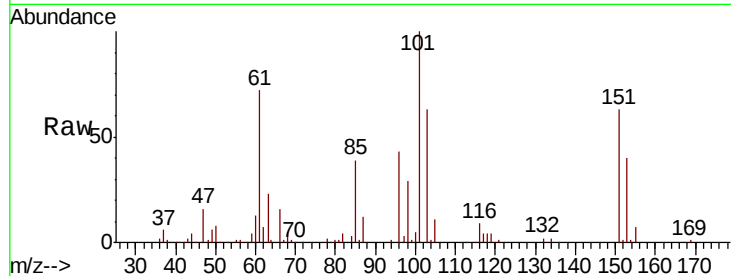
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	502778
Ion Ratio	Lower	Upper	
101	100		
85	39.5	33.4	50.0
151	62.6	48.0	72.0

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#10

Methyl Iodide

Concen: 59.429 ug/l

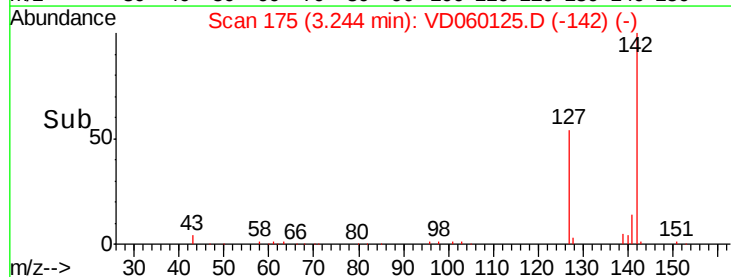
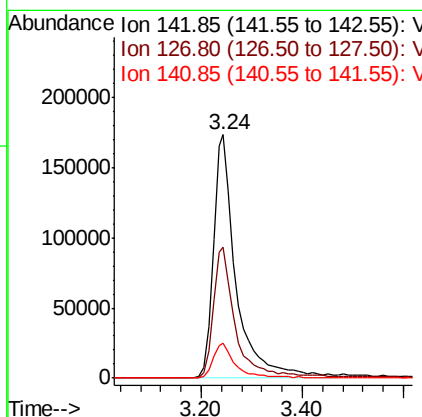
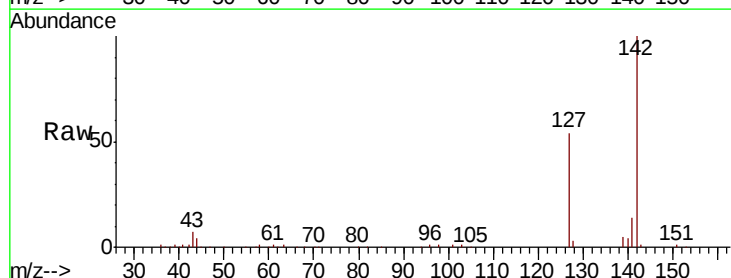
RT: 3.24 min Scan# 175

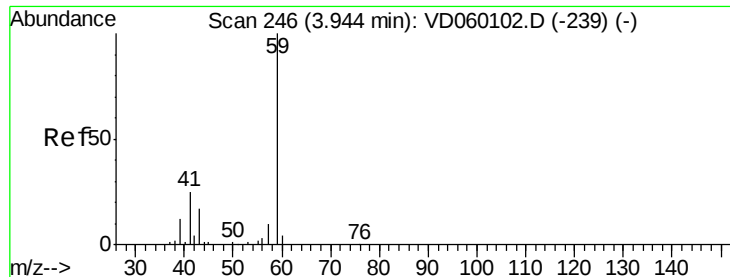
Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Tgt Ion:	142	Resp:	549285
Ion Ratio	Lower	Upper	
142	100		
127	54.0	42.0	63.0
141	14.3	11.4	17.0





#11

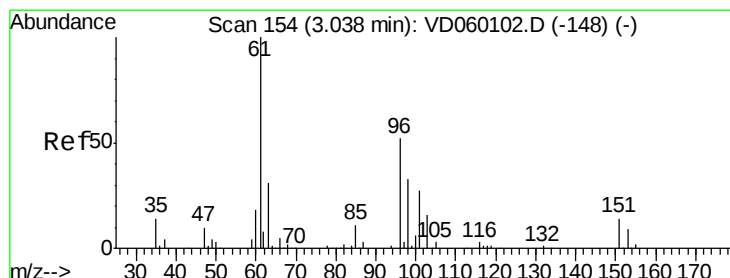
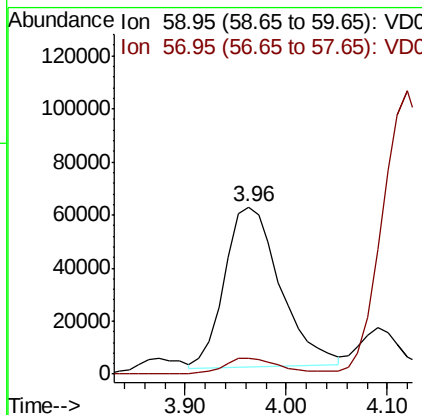
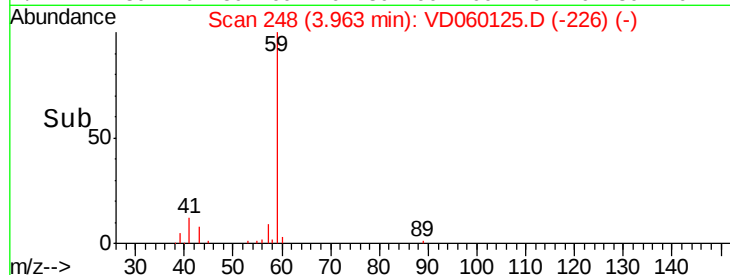
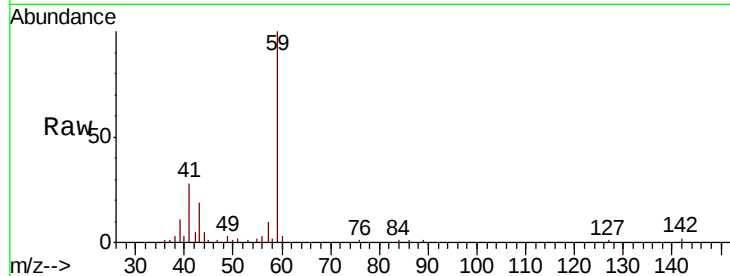
Tert butyl alcohol
Concen: 254.377 ug/l
RT: 3.96 min Scan# 248
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 232764
Ion Ratio Lower Upper
59 100
57 9.8 7.8 11.6

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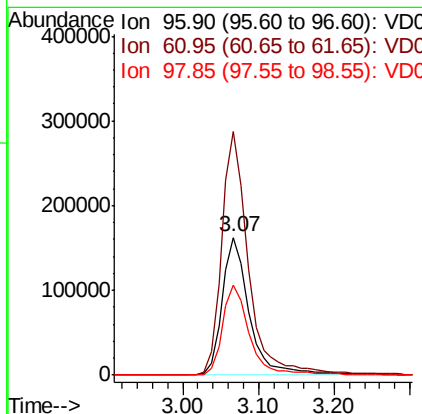
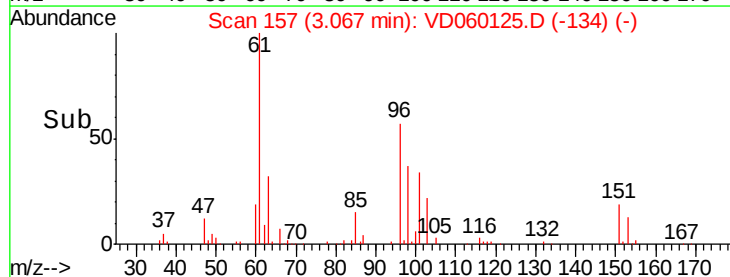
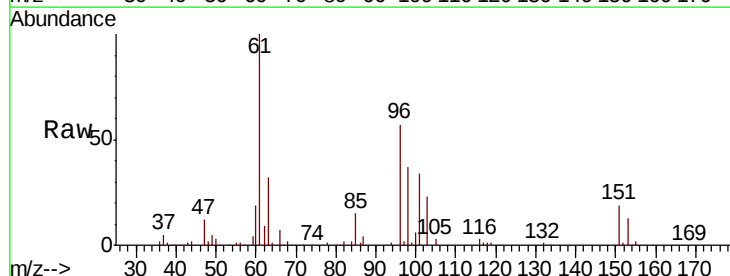
apatel
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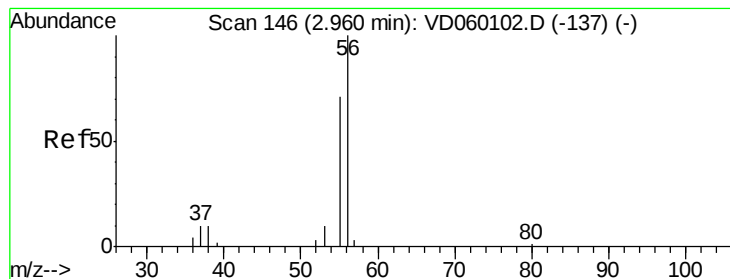


#12

1,1-Dichloroethene
Concen: 58.306 ug/l
RT: 3.07 min Scan# 157
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion: 96 Resp: 400335
Ion Ratio Lower Upper
96 100
61 176.5 153.0 229.4
98 65.3 51.1 76.7





#13

Acrolein

Concen: 268.442 ug/l

RT: 2.98 min Scan# 148

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 151421

Ion Ratio Lower Upper

56 100

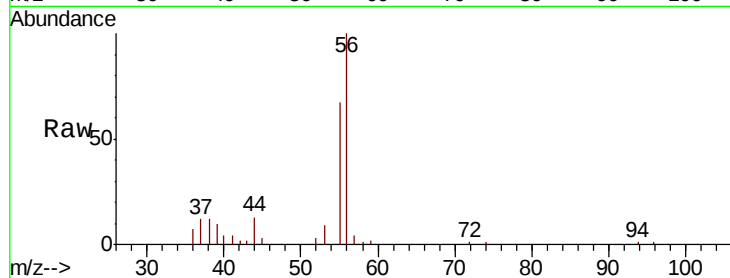
55 67.3 57.4 86.2

Manual Integrations

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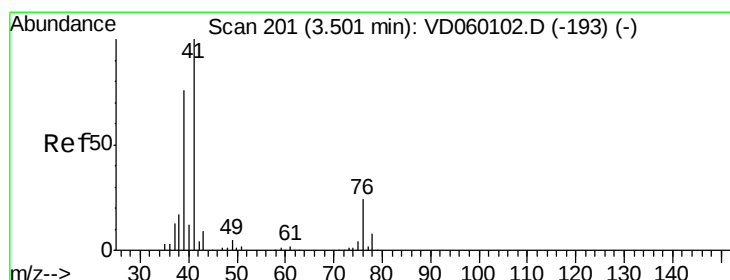
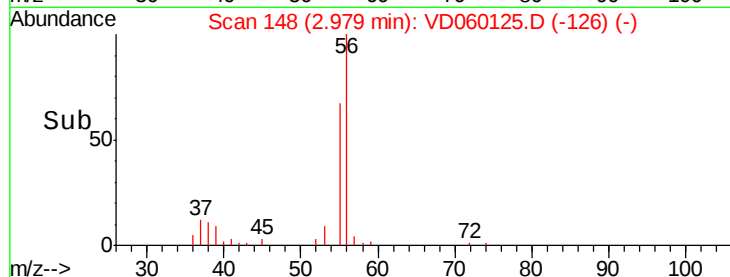
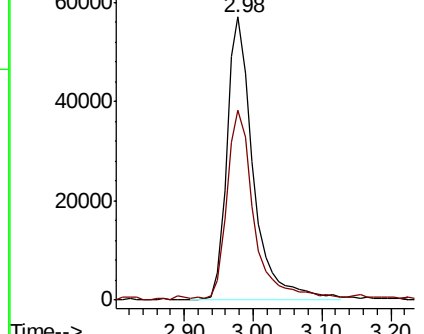
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 56.883 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

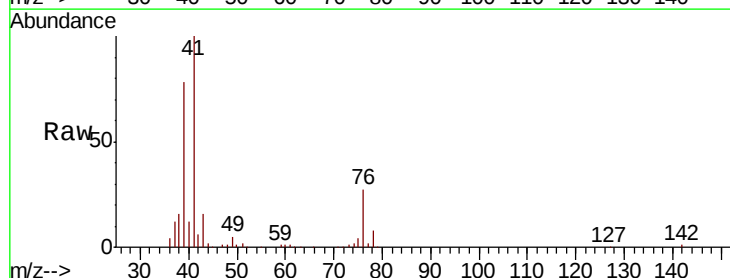
Tgt Ion: 41 Resp: 811177

Ion Ratio Lower Upper

41 100

39 78.1 60.6 90.8

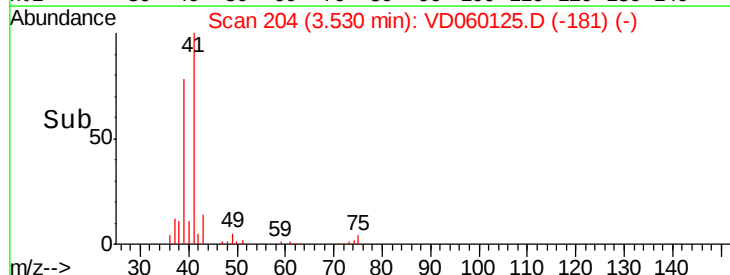
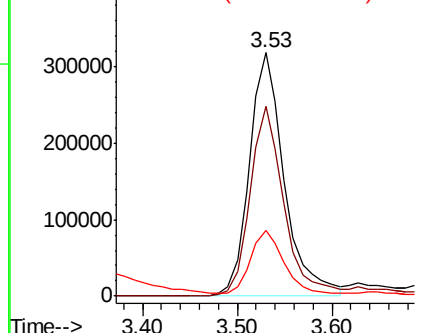
76 26.8 21.3 31.9

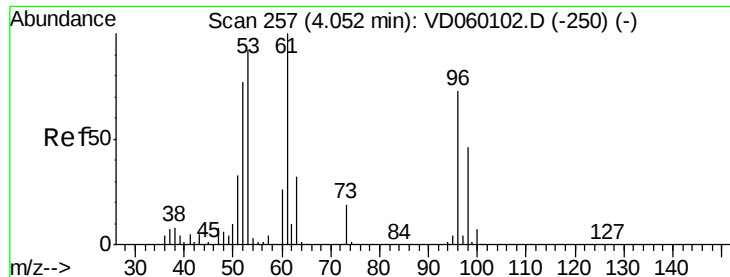


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 270.559 ug/l

RT: 4.08 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1024729

Ion Ratio Lower Upper

53 100

52 82.4 67.5 101.3

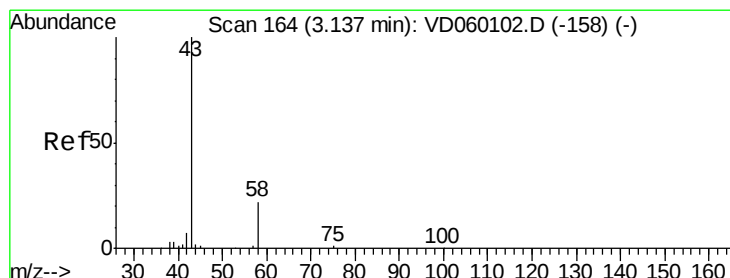
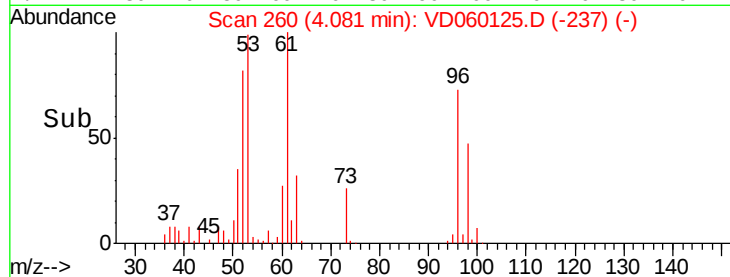
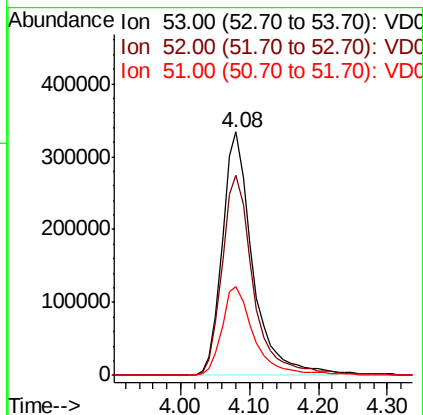
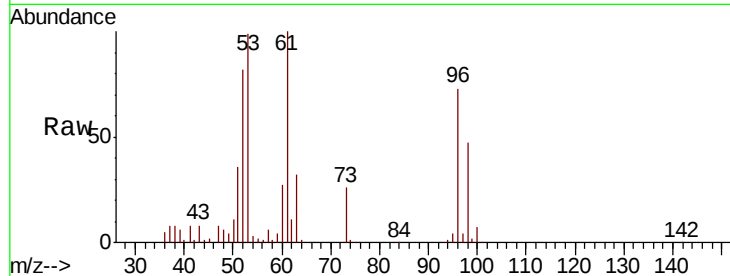
51 36.4 29.3 43.9

Manual Integrations

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#16

Acetone

Concen: 294.404 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060125.D

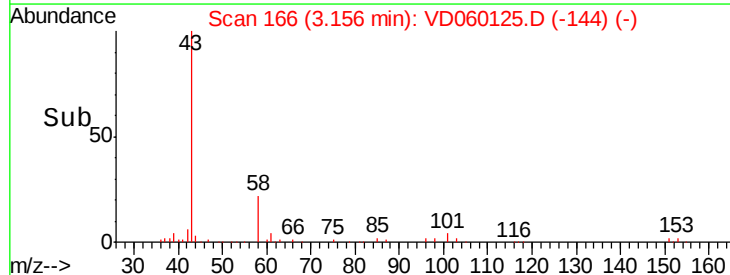
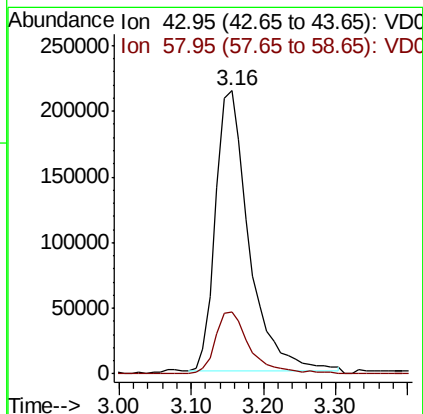
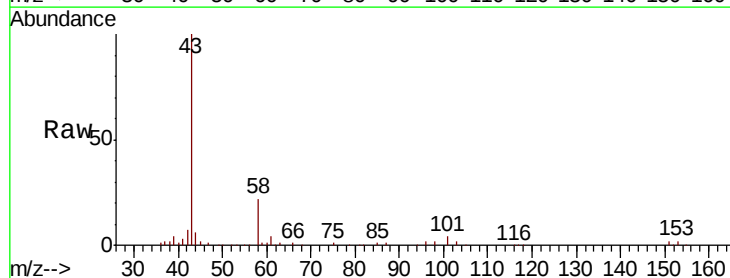
Acq: 4 Oct 2018 11:17

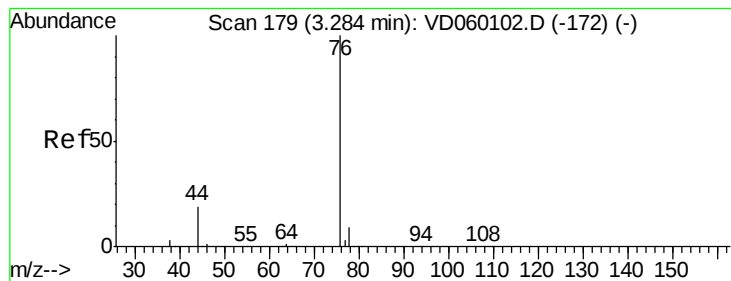
Tgt Ion: 43 Resp: 681580

Ion Ratio Lower Upper

43 100

58 21.8 17.7 26.5





#17

Carbon Disulfide

Concen: 54.485 ug/l

RT: 3.31 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1258038

Ion Ratio Lower Upper

76 100

78 9.0

7.4

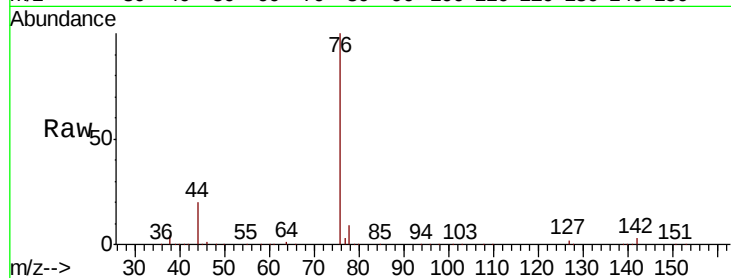
11.2

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.31

500000

400000

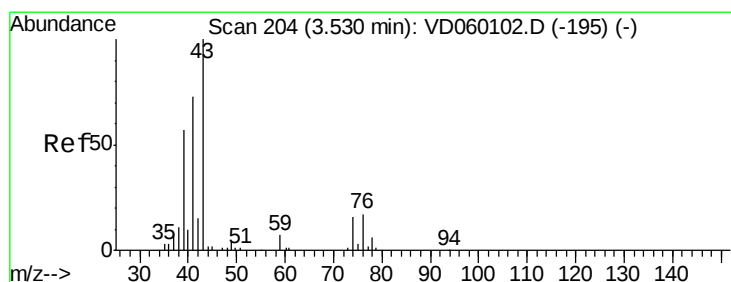
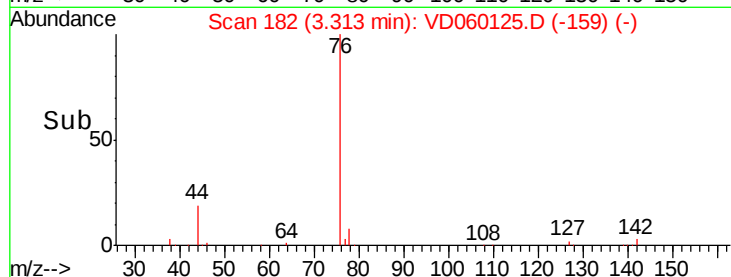
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 58.834 ug/l

RT: 3.55 min Scan# 206

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Tgt Ion: 43 Resp: 292754

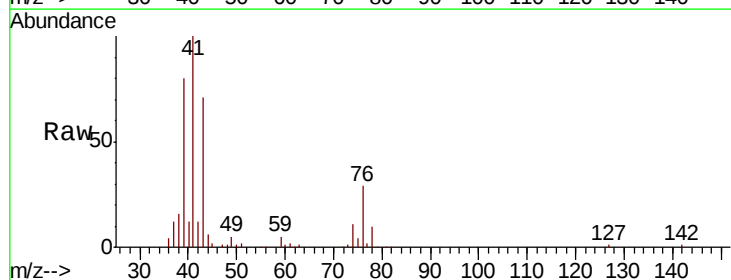
Ion Ratio Lower Upper

43 100

74 15.9

12.6

19.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.55

120000

100000

80000

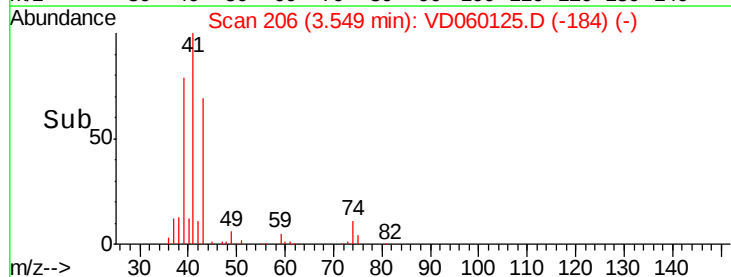
60000

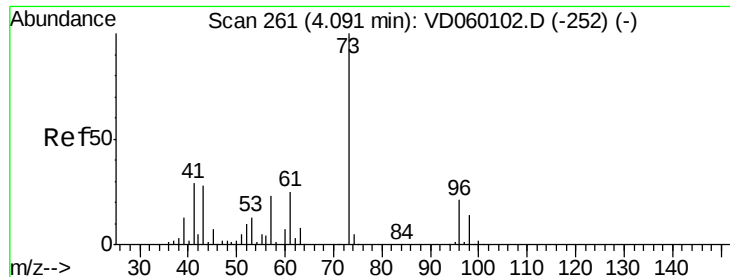
40000

20000

0

Time-->





#19

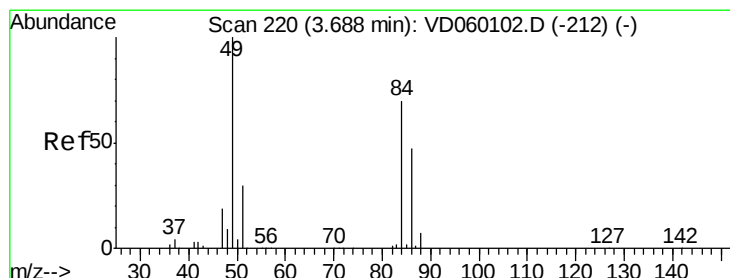
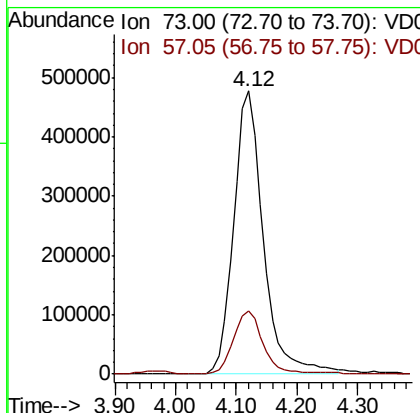
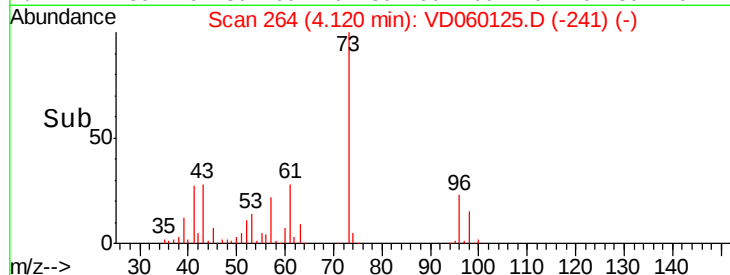
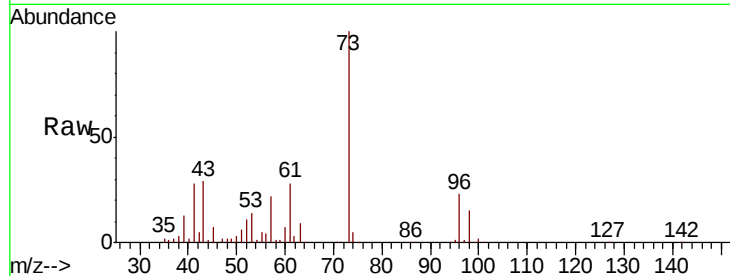
Methyl tert-butyl Ether
 Concen: 53.722 ug/l
 RT: 4.12 min Scan# 264
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion: 73 Resp: 1621782
 Ion Ratio Lower Upper
 73 100
 57 22.4 18.7 28.1

Manual Integrations
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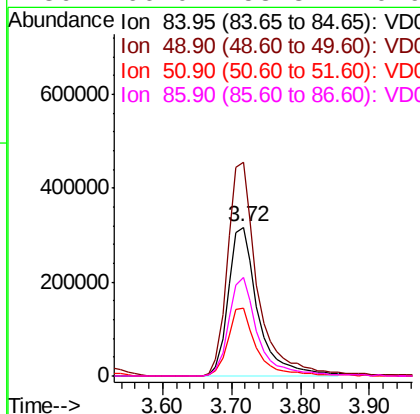
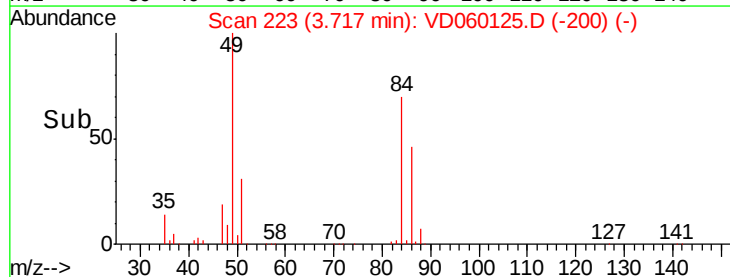
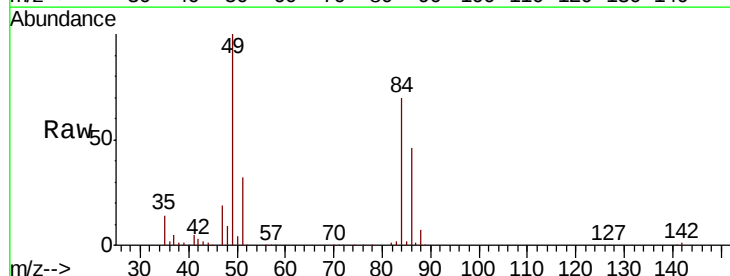
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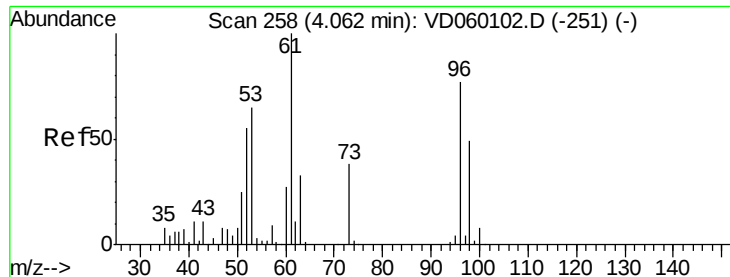


#20

Methylene Chloride
 Concen: 52.122 ug/l
 RT: 3.72 min Scan# 223
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion: 84 Resp: 946495
 Ion Ratio Lower Upper
 84 100
 49 143.7 114.6 172.0
 51 45.3 33.8 50.8
 86 66.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 51.883 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

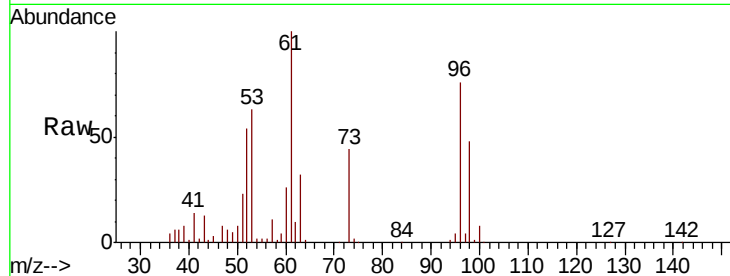
ClientSampleId :

VSTDCCC050

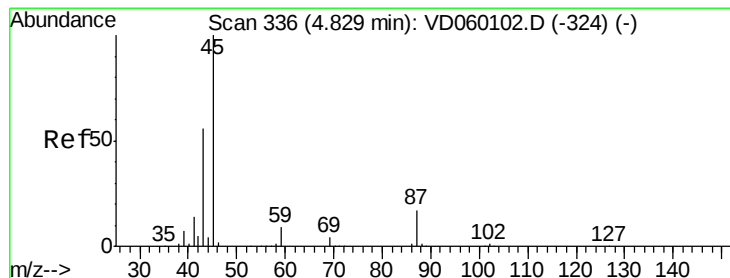
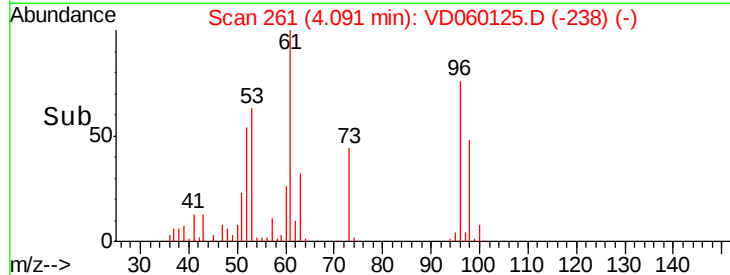
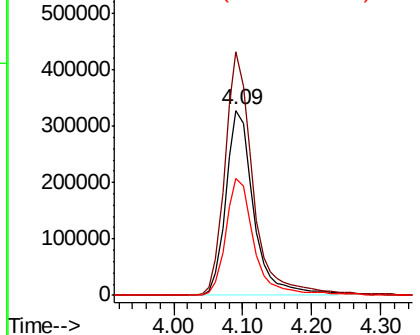
Tot Ion:	96	Resp:	920040
Ion	Ratio	Lower	Upper
96	100		
61	131.5	103.3	154.9
98	63.0	50.4	75.6

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



#22

Diisopropyl ether

Concen: 52.421 ug/l

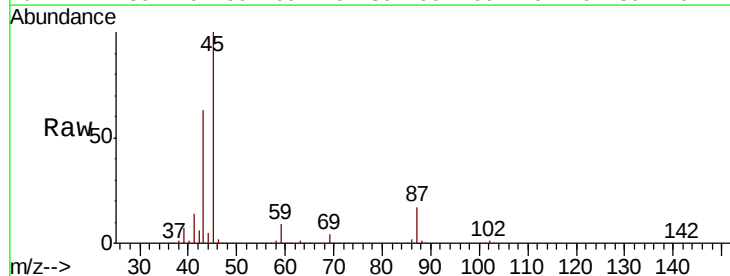
RT: 4.85 min Scan# 338

Delta R.T. 0.02 min

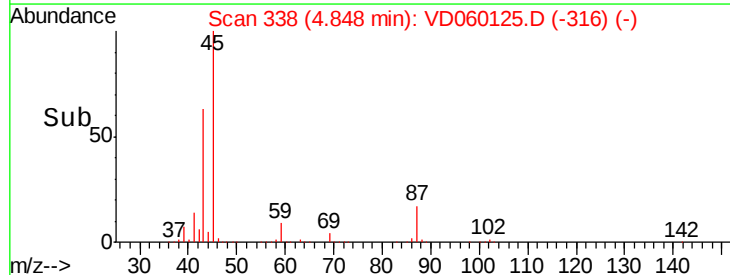
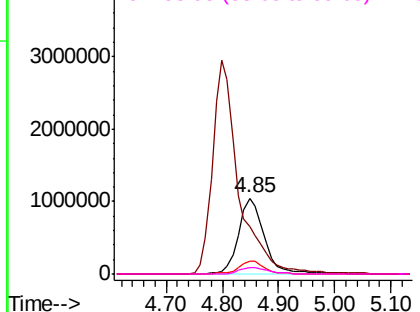
Lab File: VD060125.D

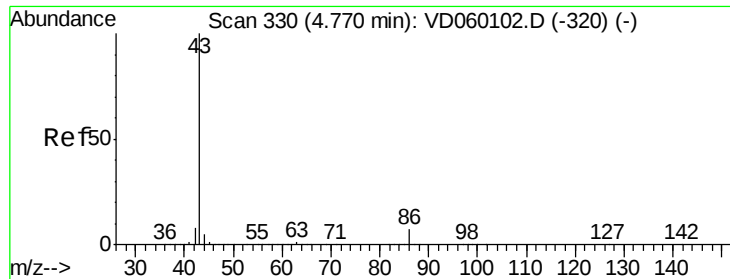
Acq: 4 Oct 2018 11:17

Tgt Ion:	45	Resp:	3338438
Ion	Ratio	Lower	Upper
45	100		
43	62.6	44.8	67.2
87	17.3	13.9	20.9
59	8.7	7.1	10.7



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





#23

Vinyl Acetate

Concen: 267.285 ug/l

RT: 4.80 min Scan# 333

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 9568239

Ion Ratio Lower Upper

43 100

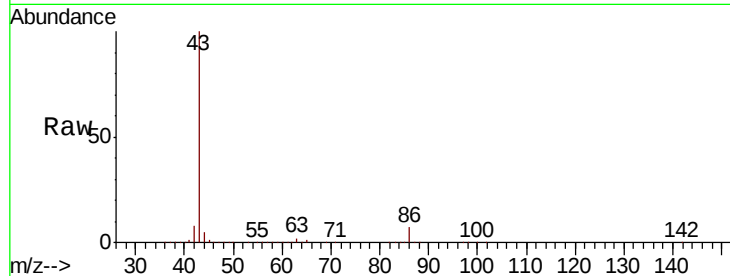
86 6.9 5.6 8.4

Manual Integrations

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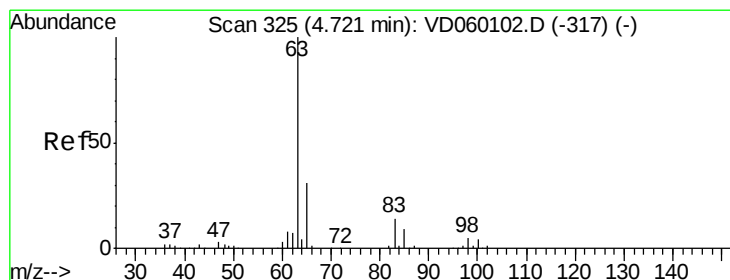
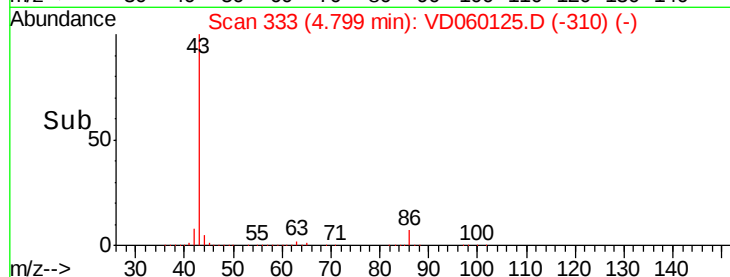
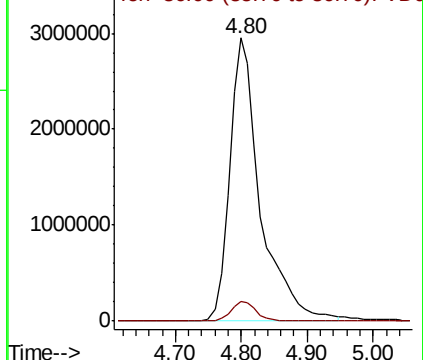
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.069 ug/l

RT: 4.75 min Scan# 328

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

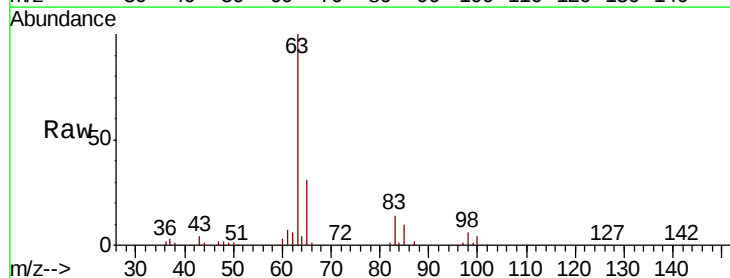
Tgt Ion: 63 Resp: 1532402

Ion Ratio Lower Upper

63 100

98 5.6 2.8 8.3

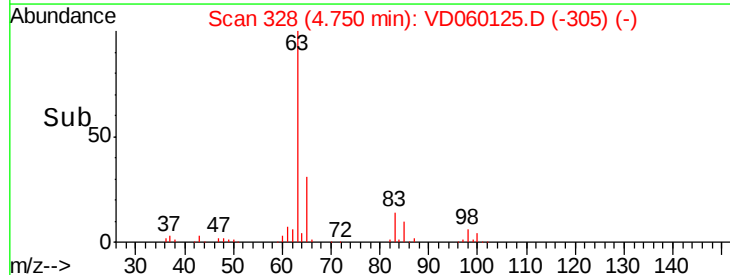
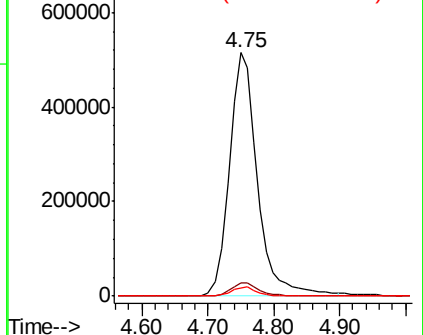
100 3.5 1.8 5.3

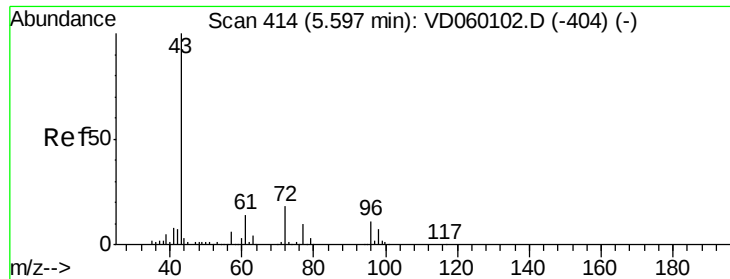


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 292.683 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1692799

Ion Ratio Lower Upper

43 100

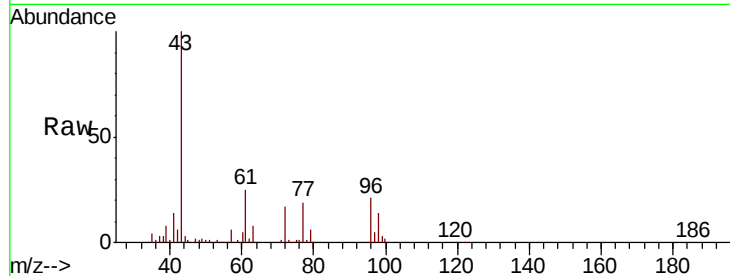
72 16.8 14.5 21.7

Manual Integrations

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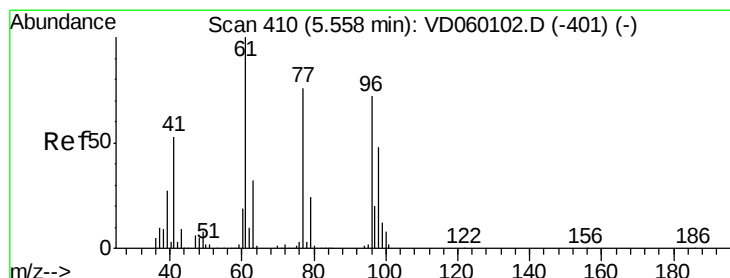
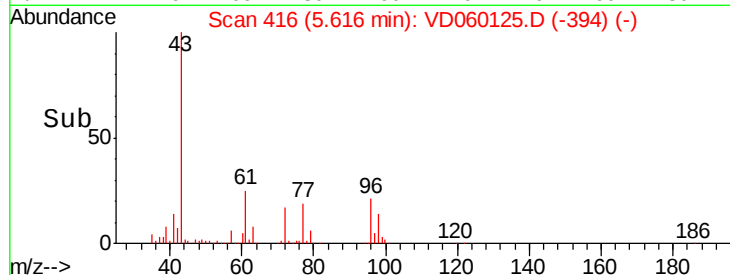
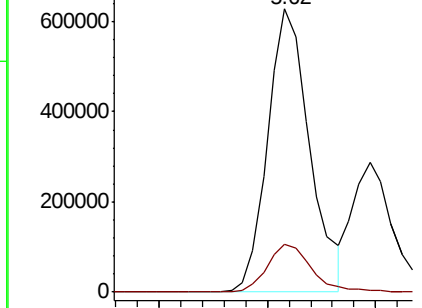
apatel

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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: 56.063 ug/l

RT: 5.59 min Scan# 413

Delta R.T. 0.03 min

Lab File: VD060125.D

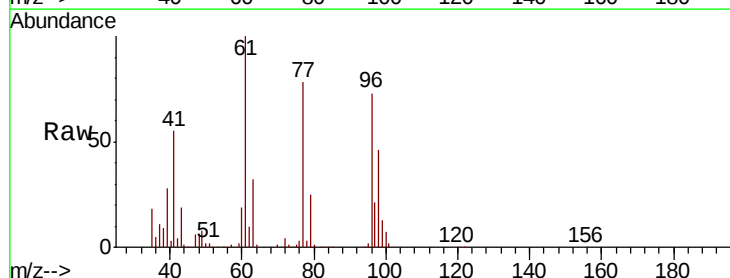
Acq: 4 Oct 2018 11:17

Tgt Ion: 77 Resp: 1227232

Ion Ratio Lower Upper

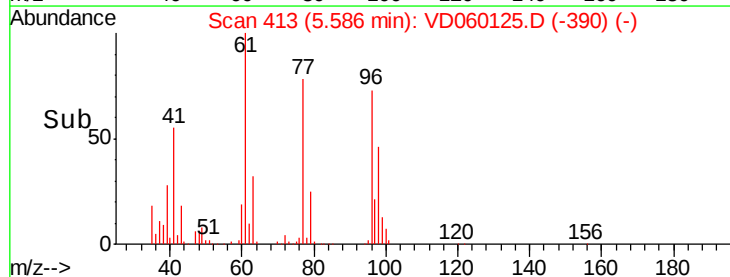
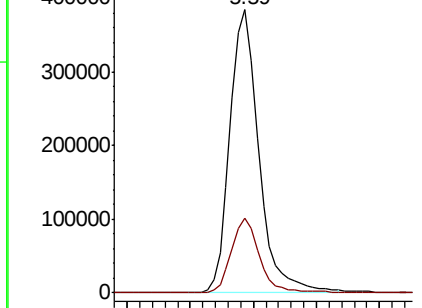
77 100

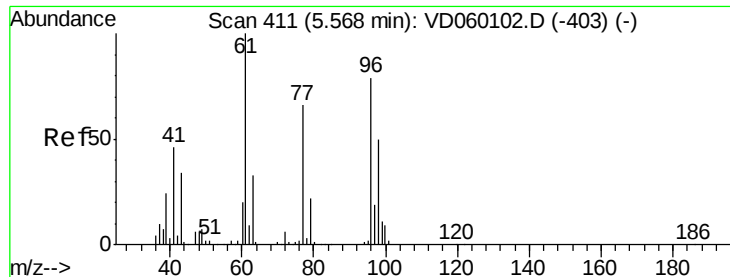
97 26.4 13.3 39.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

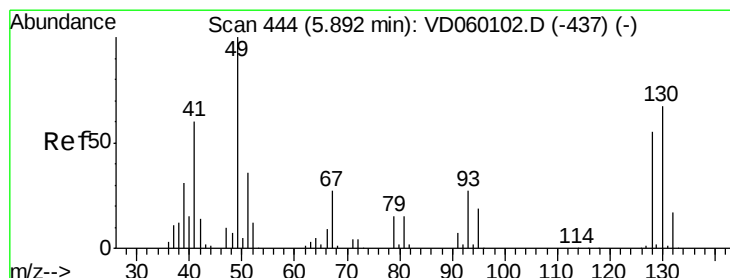
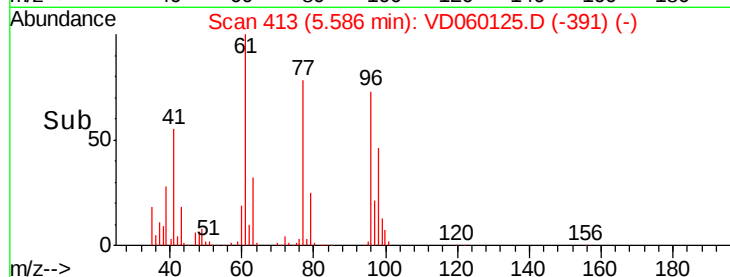
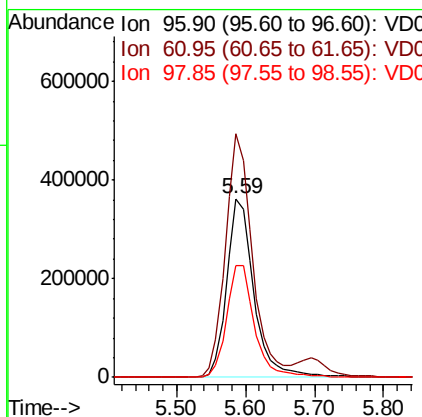
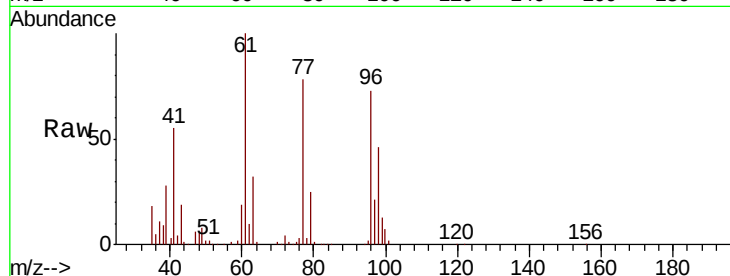
cis-1,2-Dichloroethene
Concen: 52.605 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.1	0.0	251.8	
98	62.8	0.0	125.2	

Manual Integrations
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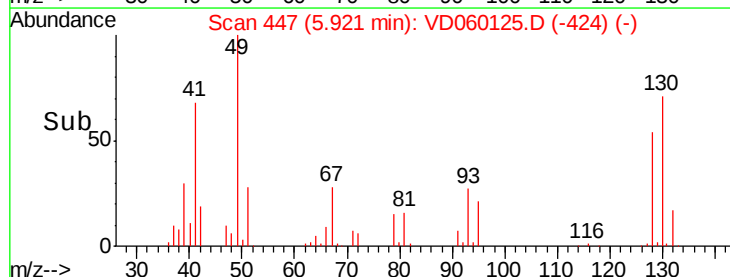
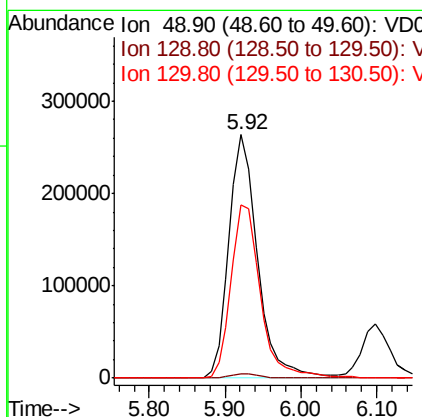
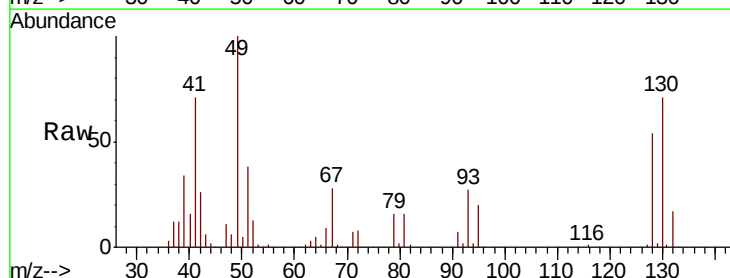
apatel
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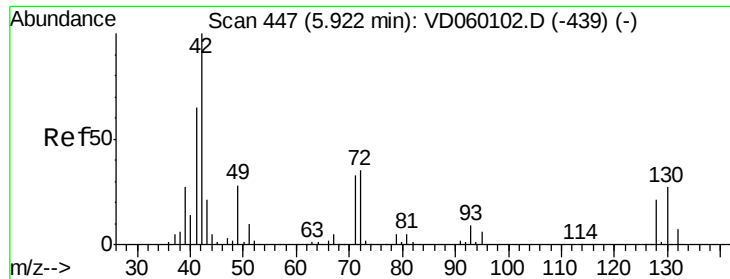


#28

Bromochloromethane
Concen: 49.490 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.6	0.0	3.6	
130	71.0	53.9	80.9	





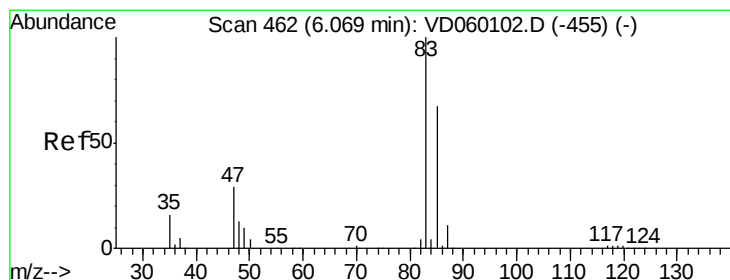
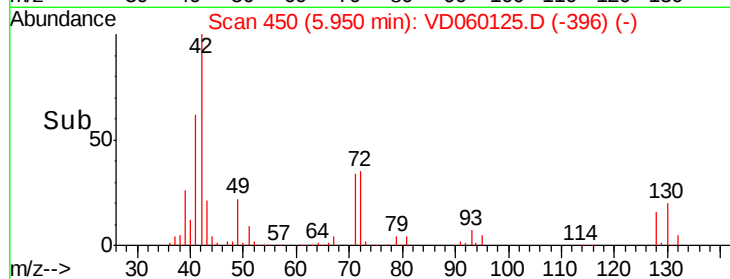
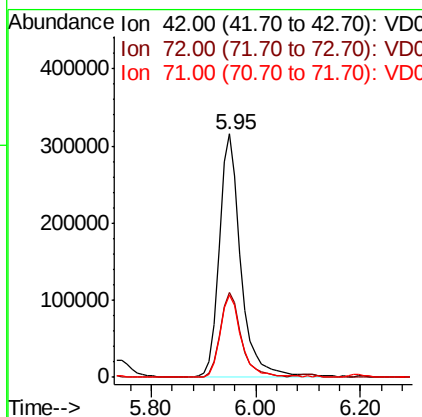
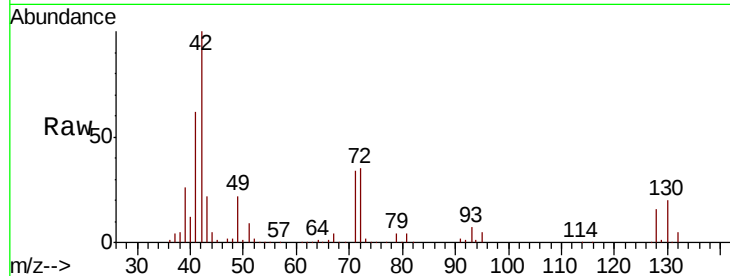
#29
Tetrahydrofuran
Concen: 266.761 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	26.9	40.3
71	33.6	26.7	40.1

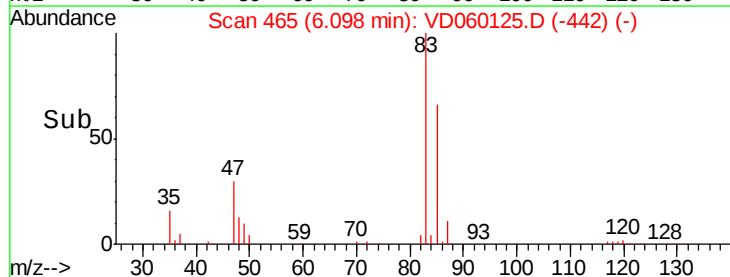
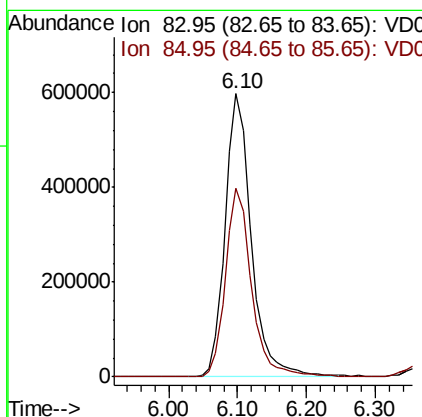
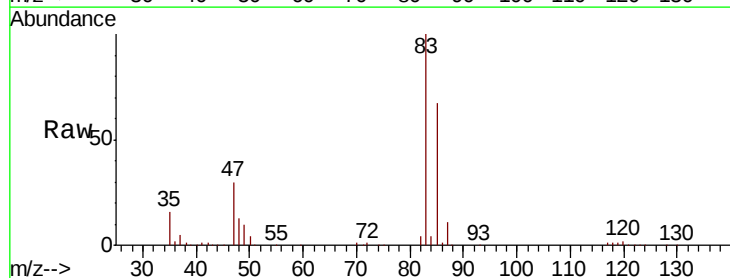
Manual Integrations
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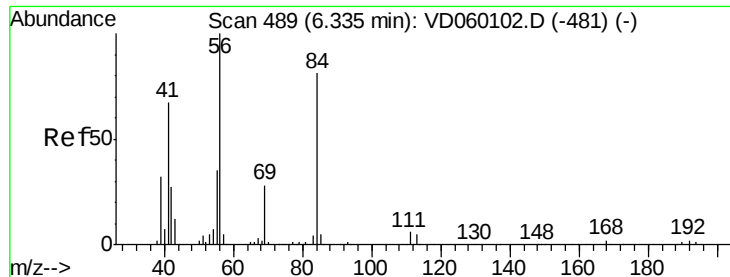
apatel
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#30
Chloroform
Concen: 53.910 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	53.8	80.8





#31

Cyclohexane

Concen: 50.252 ug/l

RT: 6.36 min Scan# 492

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 1389039

Ion Ratio Lower Upper

56 100

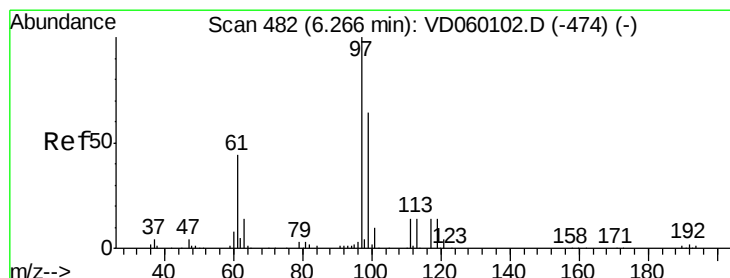
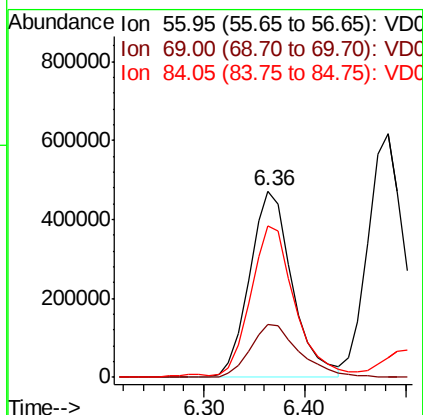
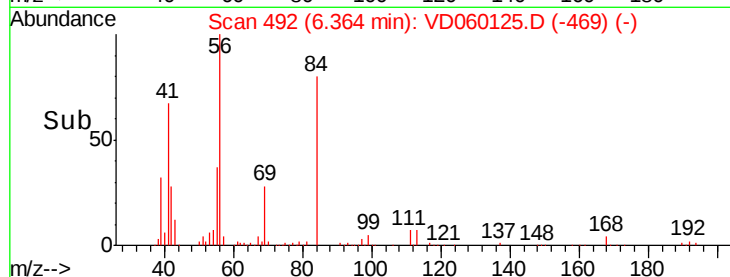
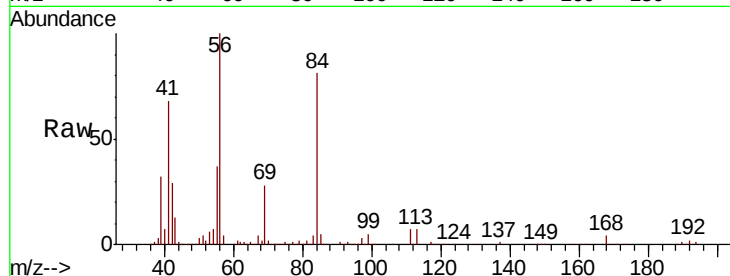
69 28.5 22.8 34.2

84 81.0 64.9 97.3

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#32

1,1,1-Trichloroethane

Concen: 53.605 ug/l

RT: 6.29 min Scan# 485

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

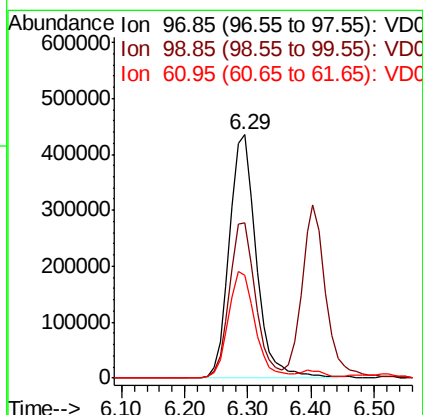
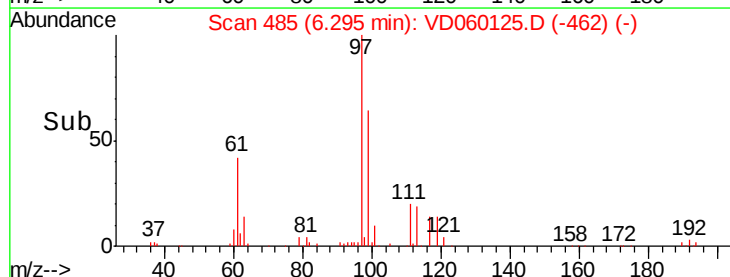
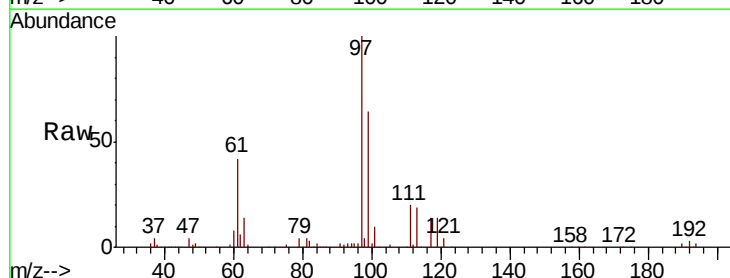
Tgt Ion: 97 Resp: 1282775

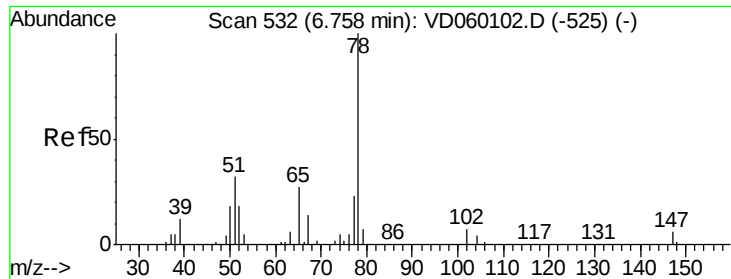
Ion Ratio Lower Upper

97 100

99 63.5 51.4 77.0

61 42.3 35.5 53.3





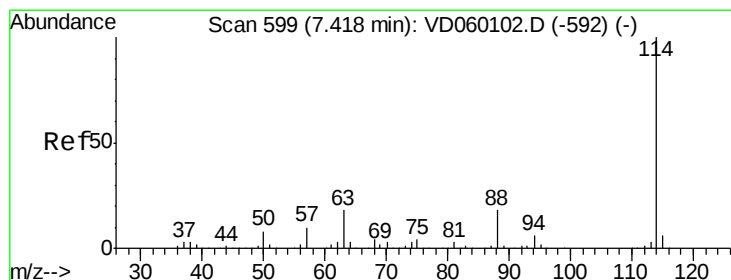
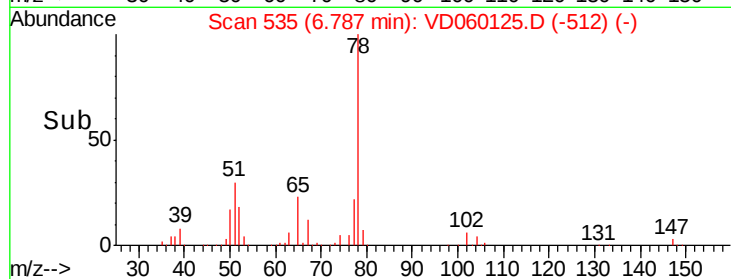
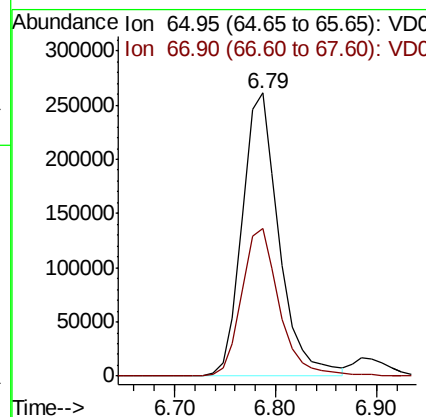
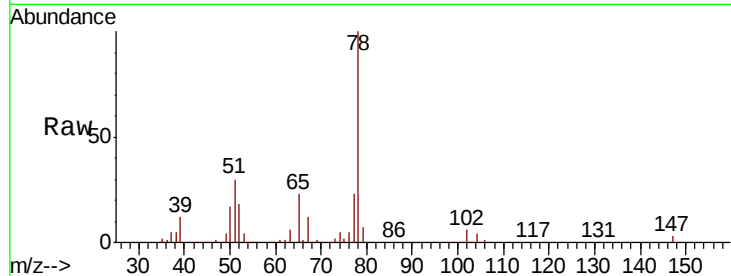
#33
 1,2-Dichloroethane-d4
 Concen: 53.605 ug/l
 RT: 6.79 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 662014
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 106.2

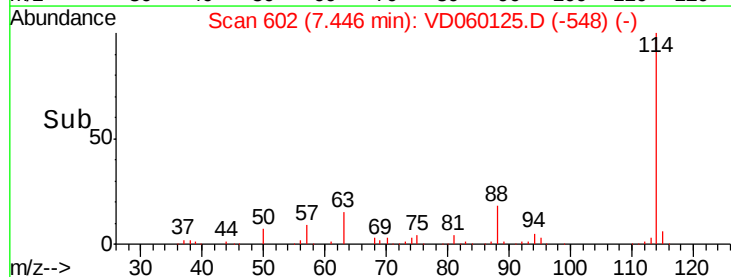
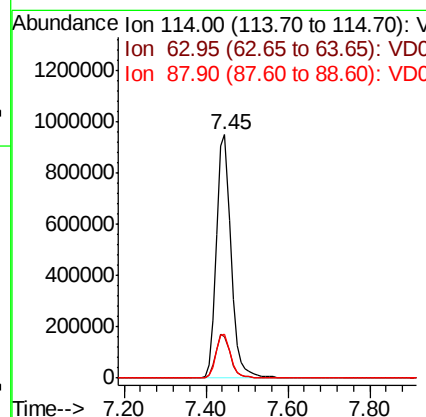
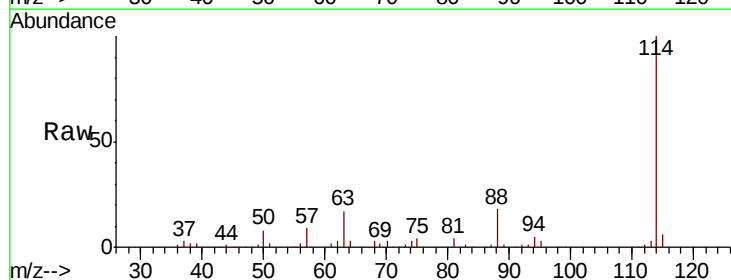
Manual Integrations
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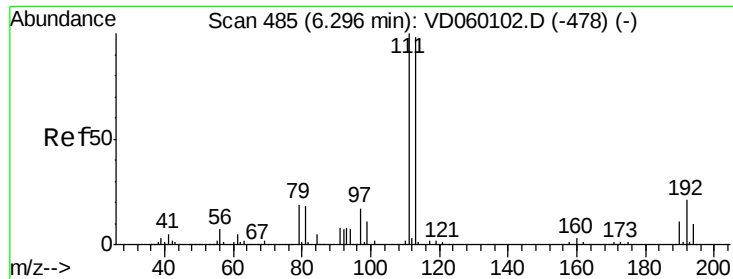
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 602
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion: 114 Resp: 2335796
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 36.0
 88 18.0 0.0 36.2





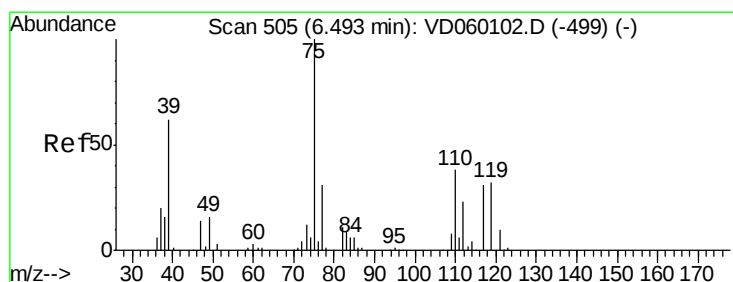
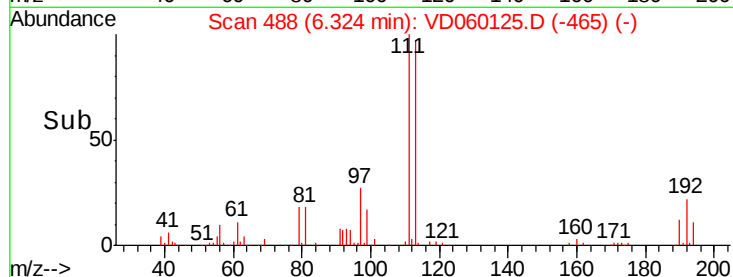
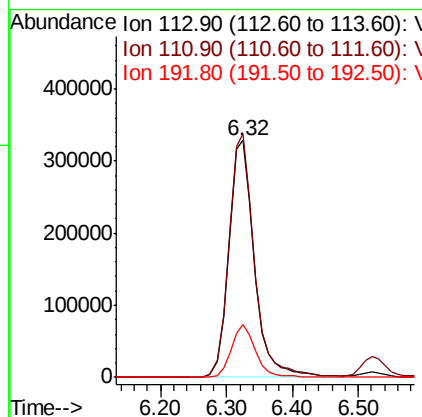
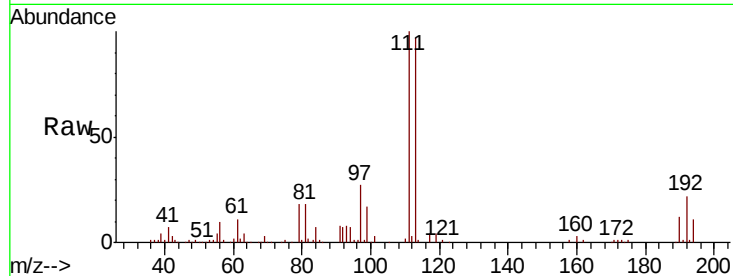
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	893392		
111	102.8	81.5	122.3	
192	22.3	17.4	26.0	

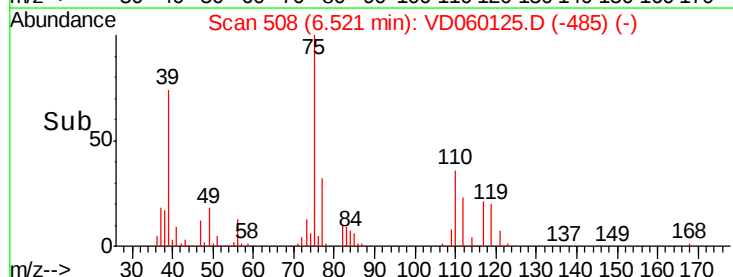
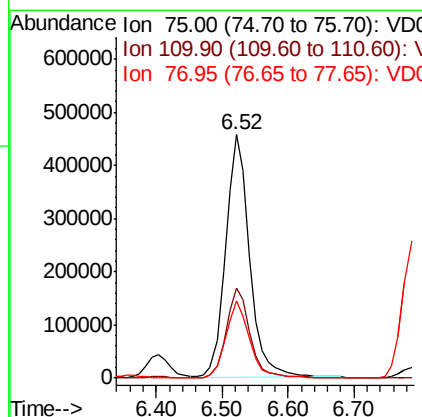
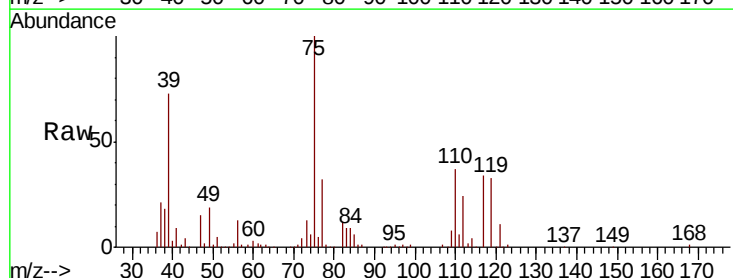
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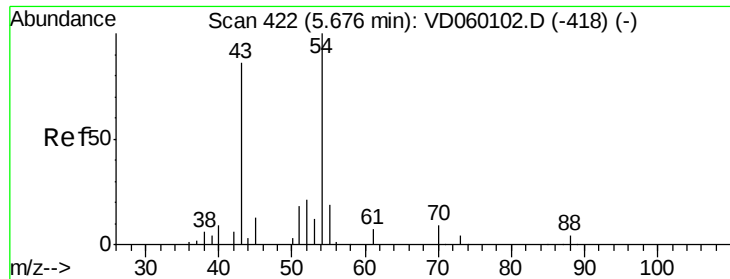
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#36
 1,1-Dichloropropene
 Concen: 51.823 ug/l
 RT: 6.52 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1156714		
110	36.7	19.0	57.0	
77	31.8	24.9	37.3	





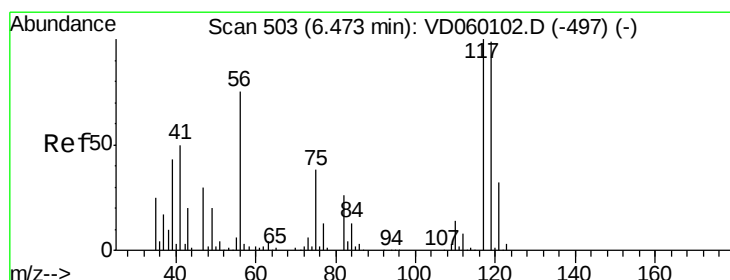
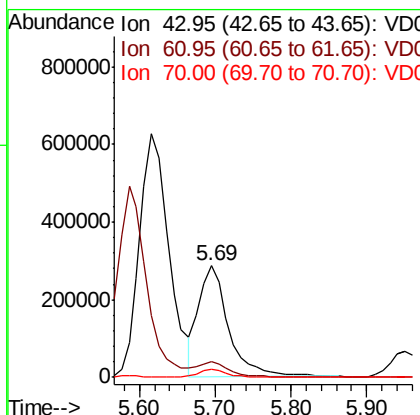
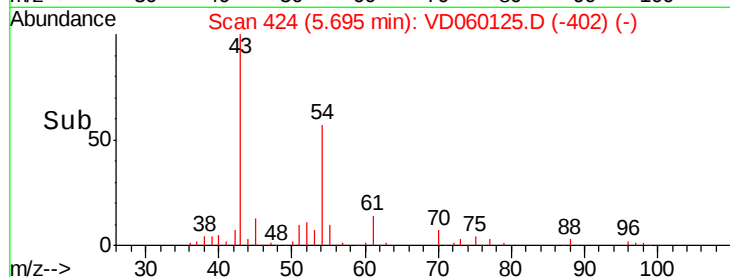
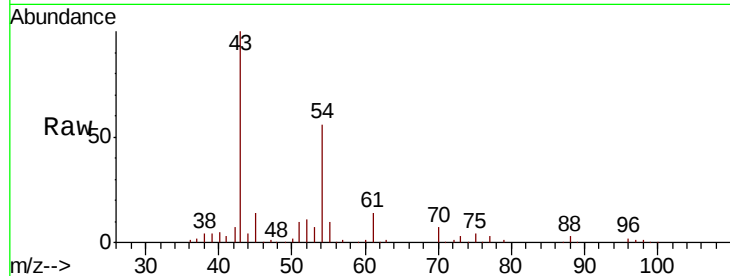
#37
Ethyl Acetate
Concen: 52.286 ug/l
RT: 5.69 min Scan# 424
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.5	15.7
70	7.3	6.3	9.5

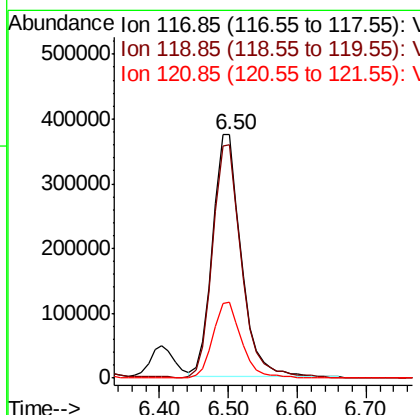
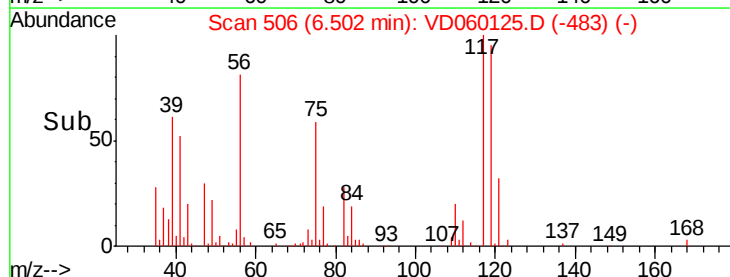
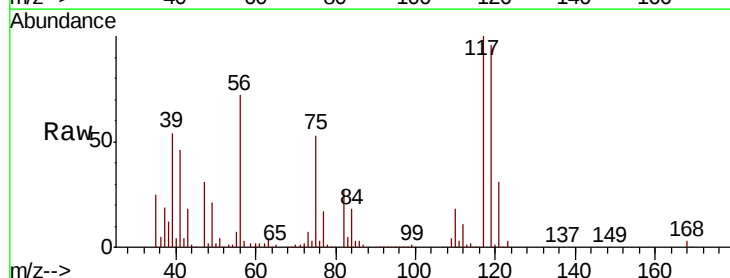
Manual Integrations
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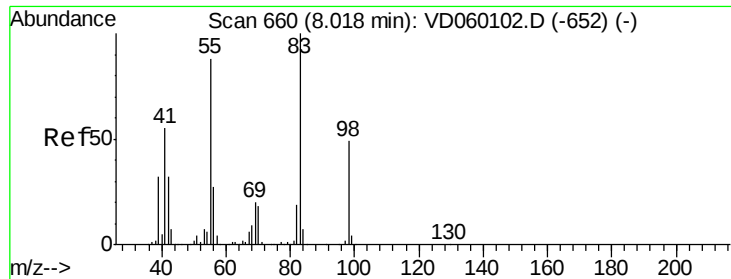
apatel
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#38
Carbon Tetrachloride
Concen: 53.391 ug/l
RT: 6.50 min Scan# 506
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.6
121	31.2	24.8	37.2





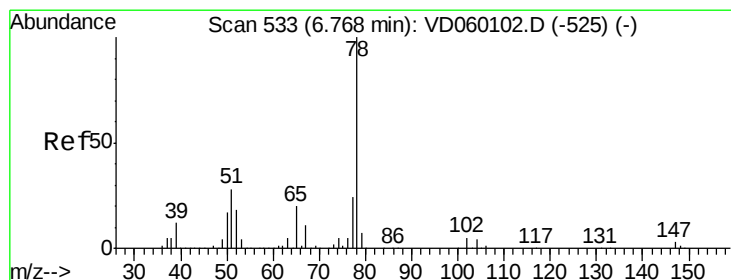
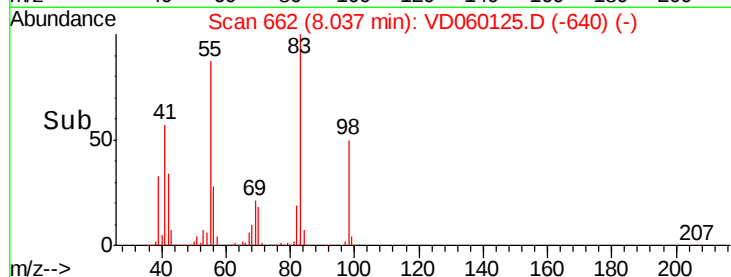
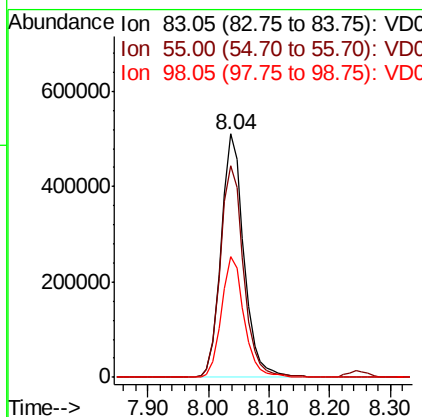
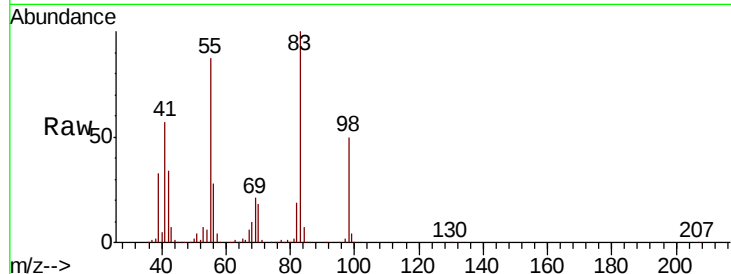
#39
Methvlcvclohexane
Concen: 52.864 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 1340685
Ion Ratio Lower Upper
83 100
55 86.7 70.5 105.7
98 49.6 39.4 59.2

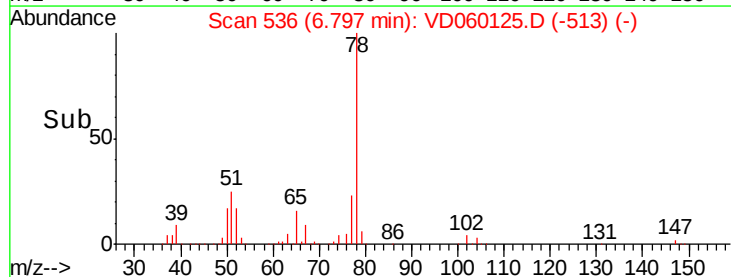
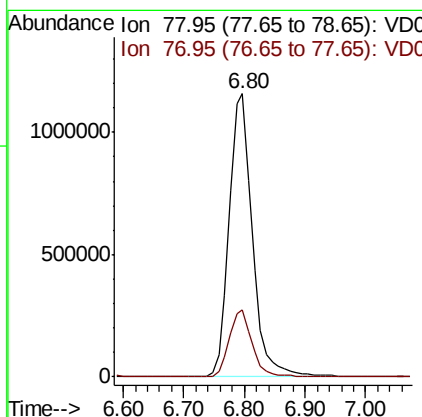
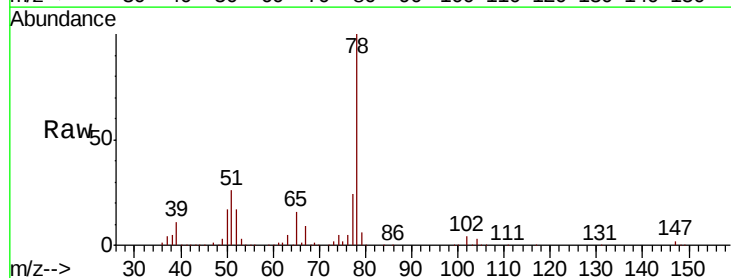
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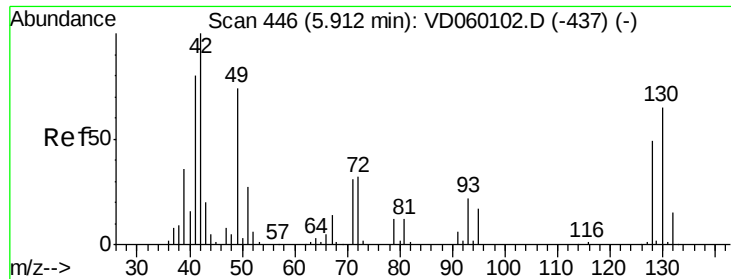
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#40
Benzene
Concen: 52.942 ug/l
RT: 6.80 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion: 78 Resp: 3091479
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4





#41

Methacrylonitrile

Concen: 52.496 ug/l m

RT: 5.92 min Scan# 447

Delta R.T. 0.01 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 439606

Ion Ratio Lower Upper

41 100

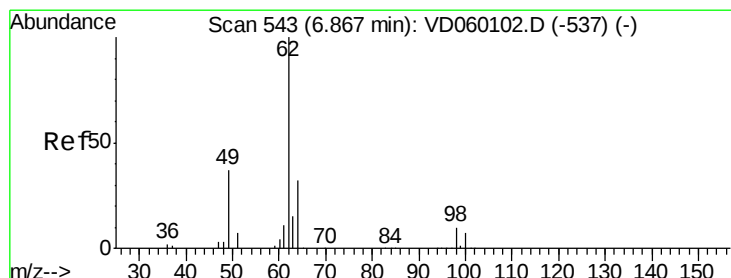
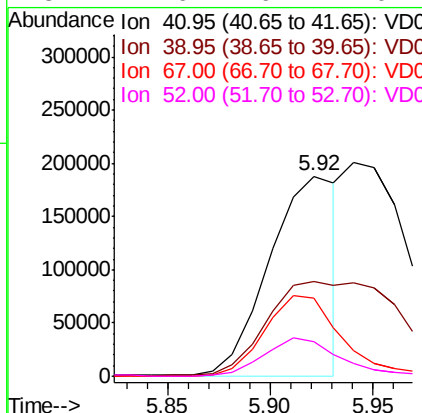
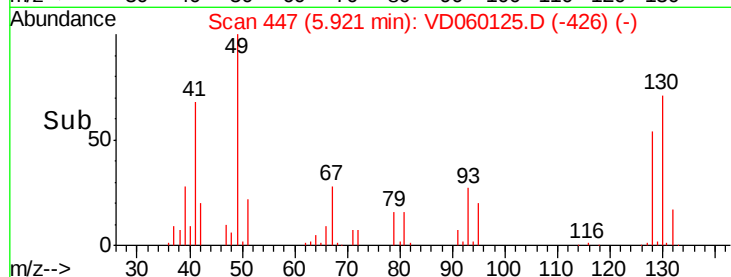
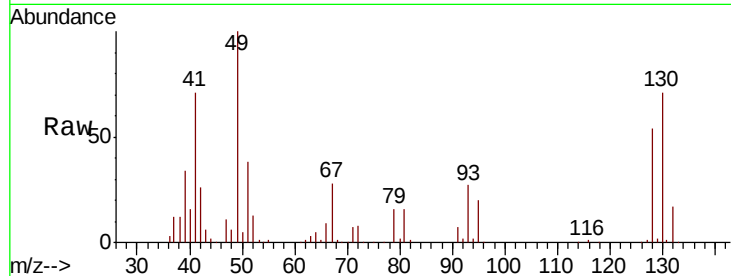
39 47.5 36.0 54.0

67 39.1 13.9 20.9#

52 17.6 6.1 9.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 53.292 ug/l

RT: 6.90 min Scan# 546

Delta R.T. 0.03 min

Lab File: VD060125.D

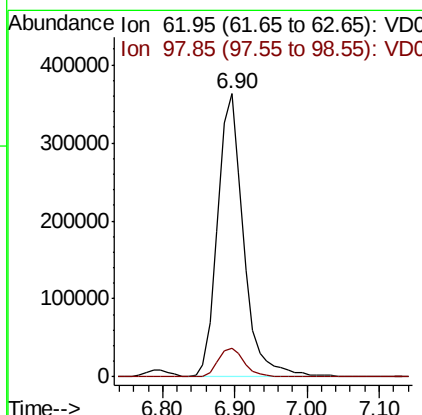
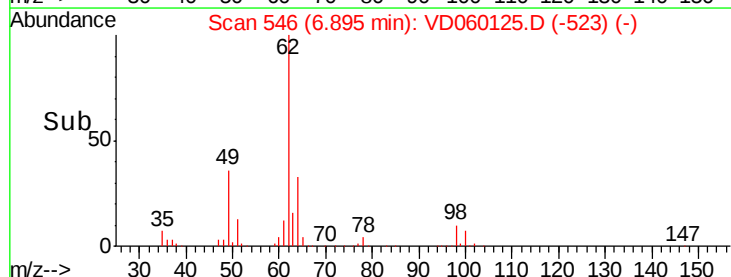
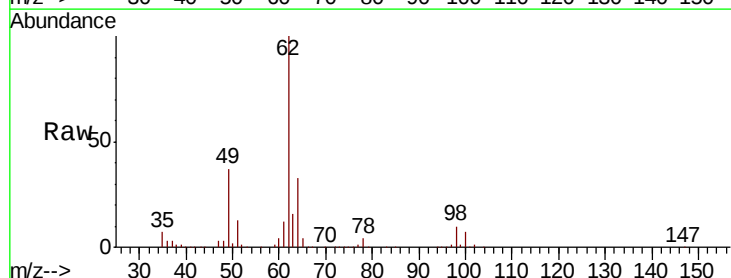
Acq: 4 Oct 2018 11:17

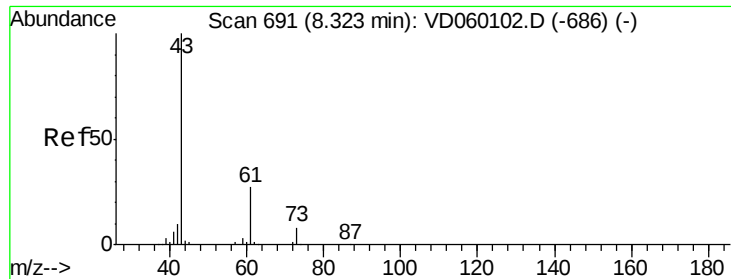
Tgt Ion: 62 Resp: 892181

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.6





#43

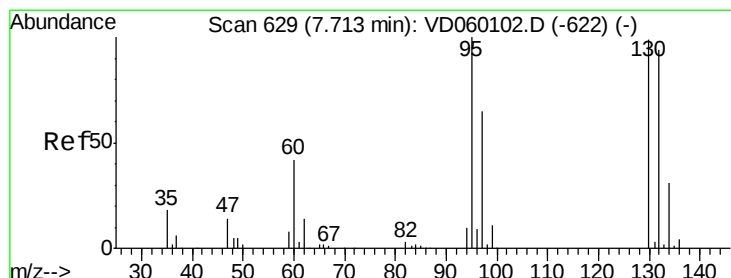
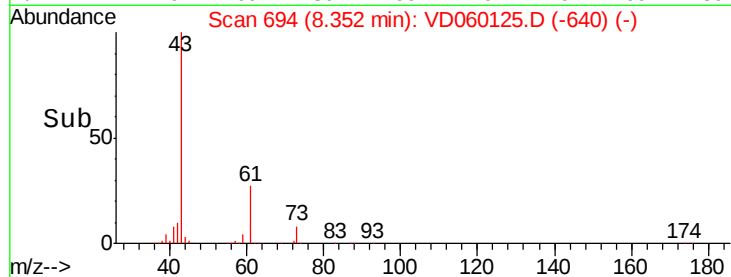
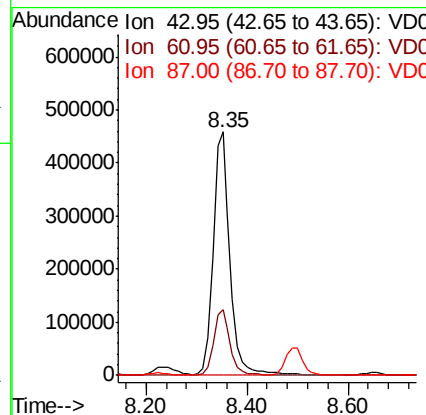
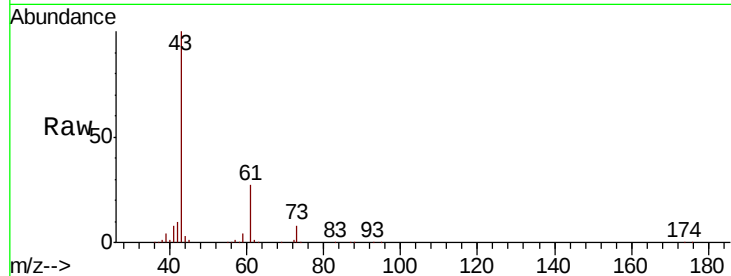
Isopropyl Acetate
 Concen: 54.348 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1059308
 Ion Ratio Lower Upper
 43 100
 61 27.1 21.4 32.2
 87 0.3 0.2 0.2#

Manual Integrations
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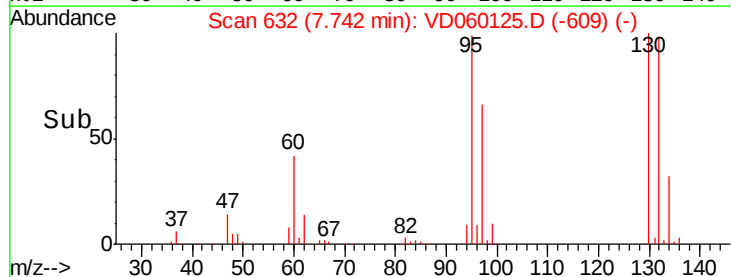
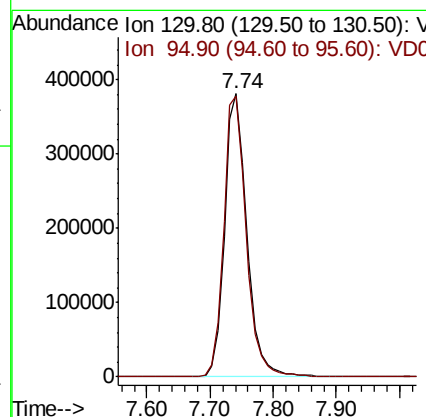
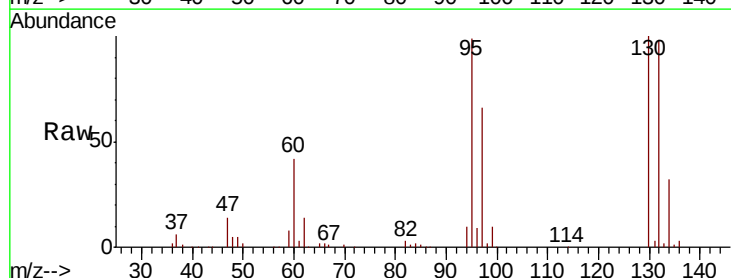
apatel
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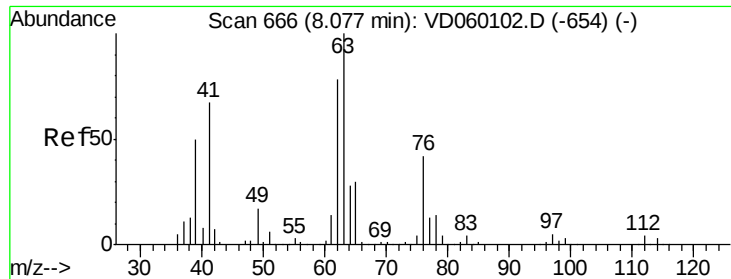


#44

Trichloroethene
 Concen: 51.938 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion: 130 Resp: 938854
 Ion Ratio Lower Upper
 130 100
 95 99.1 0.0 202.2





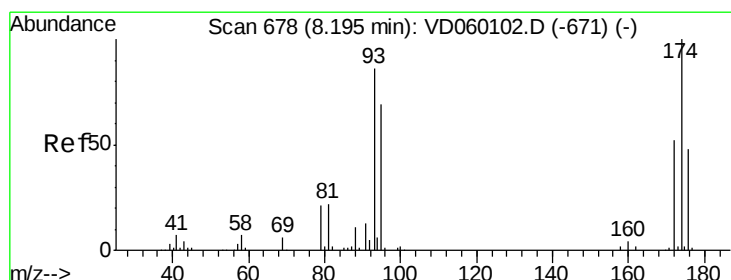
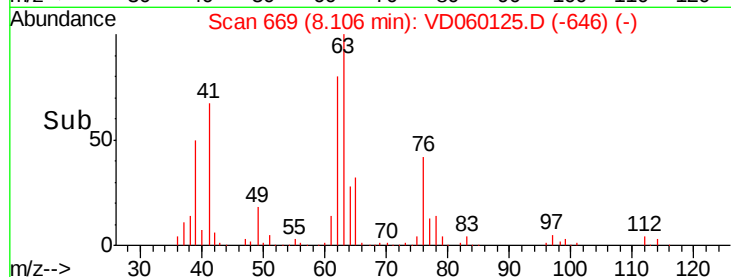
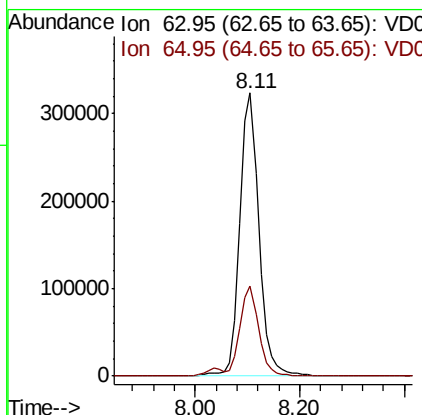
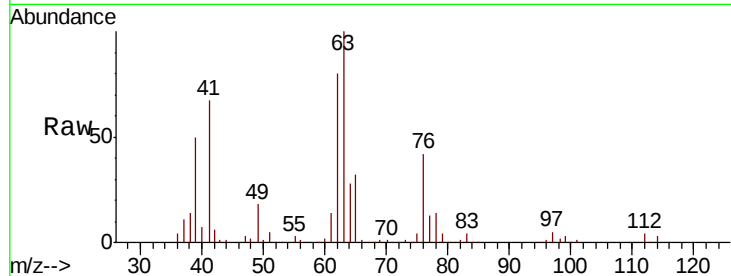
#45
 1,2-Dichloropropane
 Concen: 51.994 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 794991
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.1 36.1

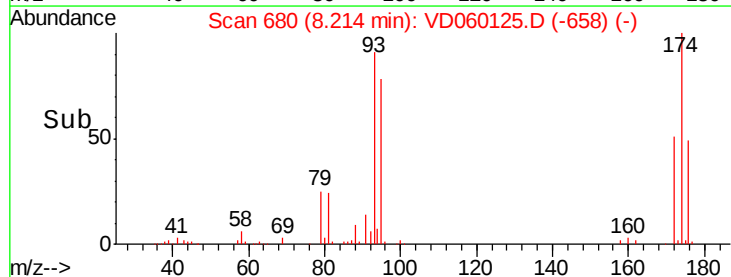
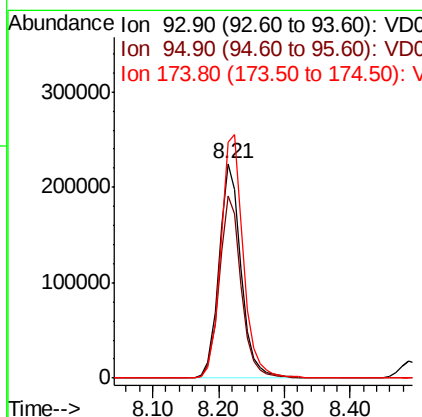
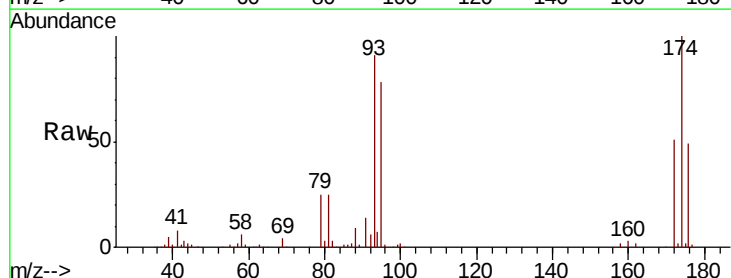
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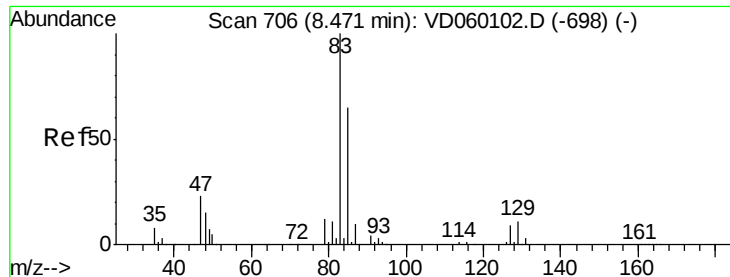
apatel
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#46
 Dibromomethane
 Concen: 52.963 ug/l
 RT: 8.21 min Scan# 680
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion: 93 Resp: 524289
 Ion Ratio Lower Upper
 93 100
 95 85.0 63.8 95.6
 174 109.6 92.9 139.3





#47

Bromodichloromethane

Concen: 55.306 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1166529

Ion Ratio Lower Upper

83 100

85 64.7 52.2 78.2

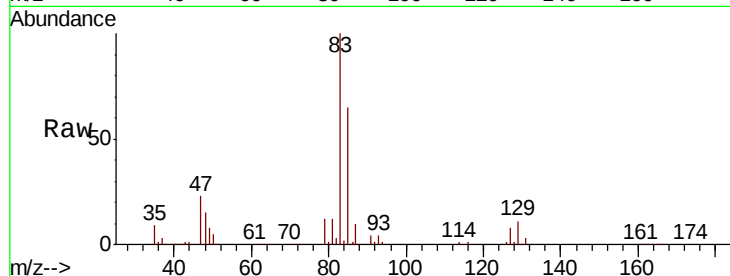
127 8.2 7.4 11.0

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Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC

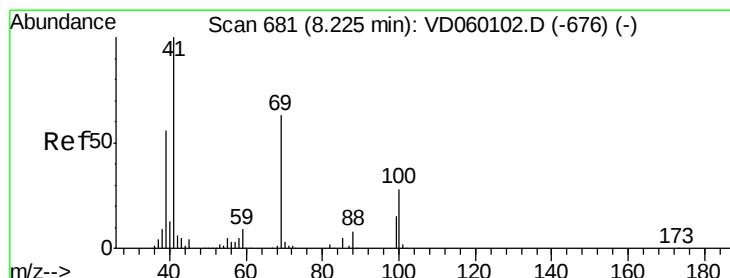
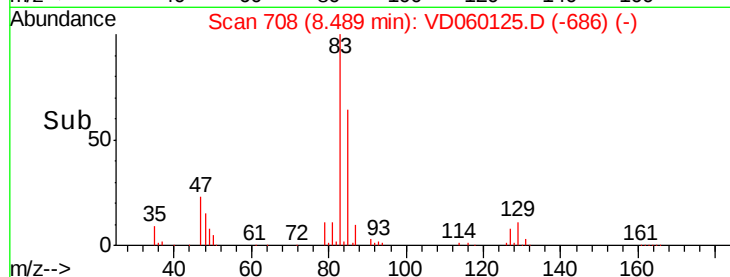
8.49

400000

200000

0

Time--> 8.30 8.40 8.50 8.60 8.70



#48

Methyl methacrylate

Concen: 53.350 ug/l

RT: 8.24 min Scan# 683

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

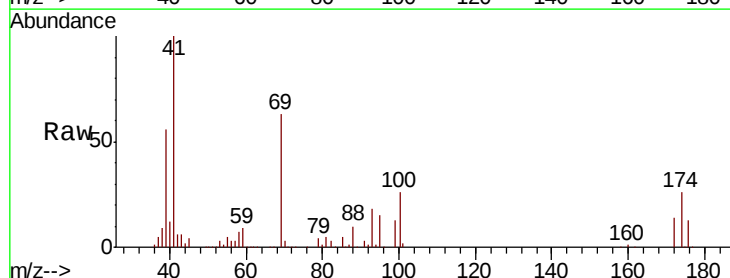
Tgt Ion: 41 Resp: 592325

Ion Ratio Lower Upper

41 100

69 62.8 49.7 74.5

39 56.1 45.2 67.8



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

8.24

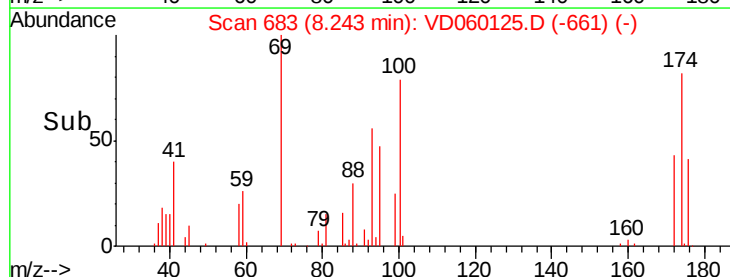
300000

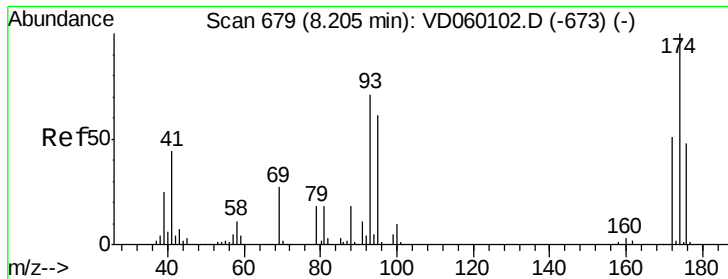
200000

100000

0

Time--> 8.15 8.20 8.25 8.30 8.35





#49

1,4-Dioxane

Concen: 1018.170 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.03 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

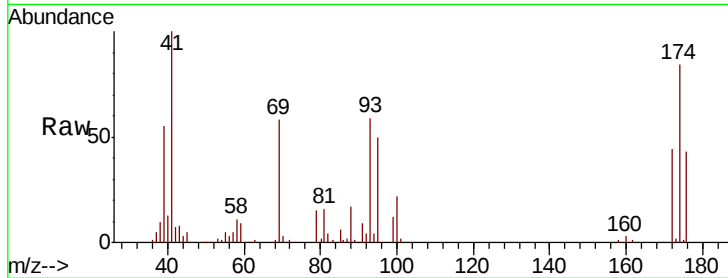
ClientSampleId :

VSTDCCC050

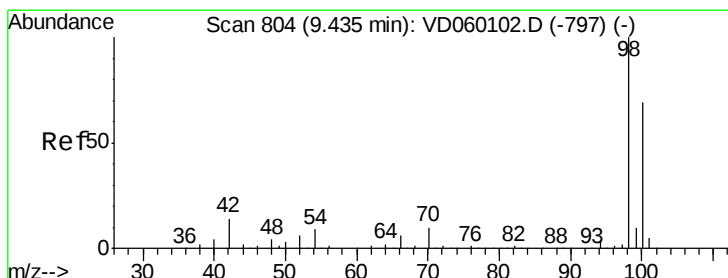
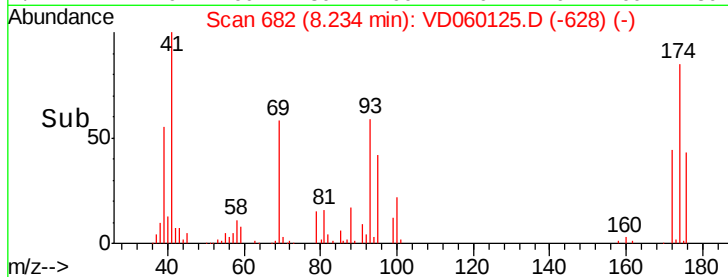
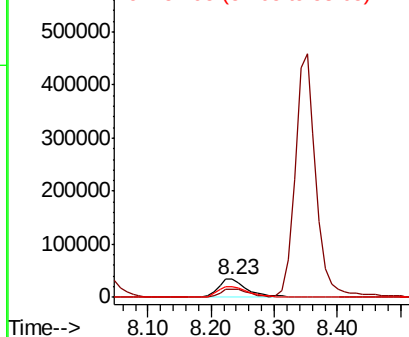
Tot Ion:	88	Resp:	111226
Ion	Ratio	Lower	Upper
88	100		
43	43.6	33.7	50.5
58	60.9	49.1	73.7

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



#50

Toluene-d8

Concen: 1018.170 ug/l

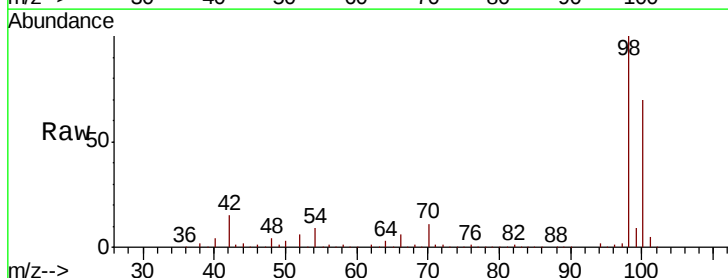
RT: 9.45 min Scan# 806

Delta R.T. 0.02 min

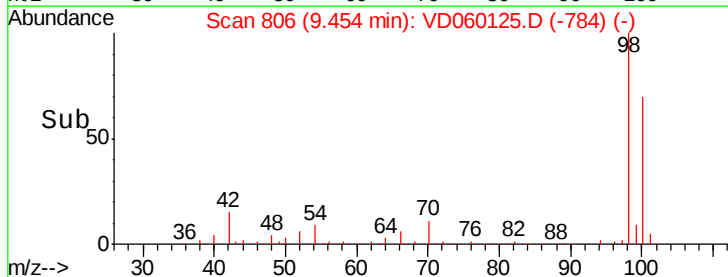
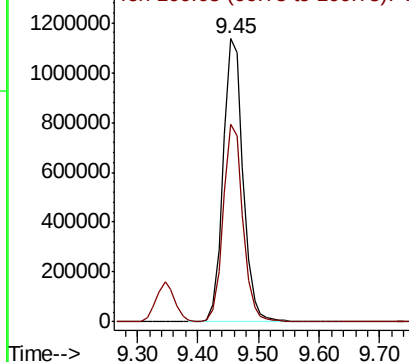
Lab File: VD060125.D

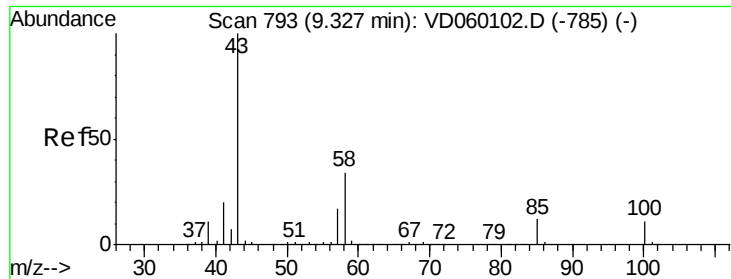
Acq: 4 Oct 2018 11:17

Tgt Ion:	98	Resp:	2588029
Ion	Ratio	Lower	Upper
98	100		
100	69.7	55.4	83.0



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





#51

4-Methyl-2-Pentanone

Concen: 264.391 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3250379

Ion Ratio Lower Upper

43 100

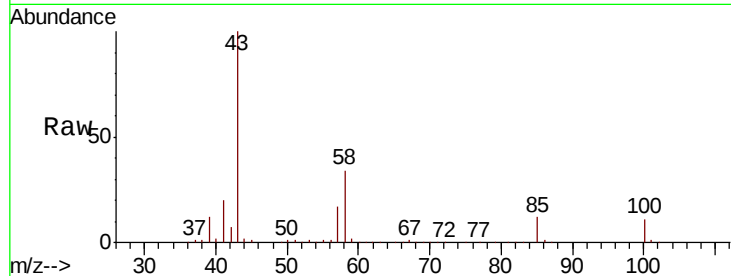
58 33.6 27.2 40.8

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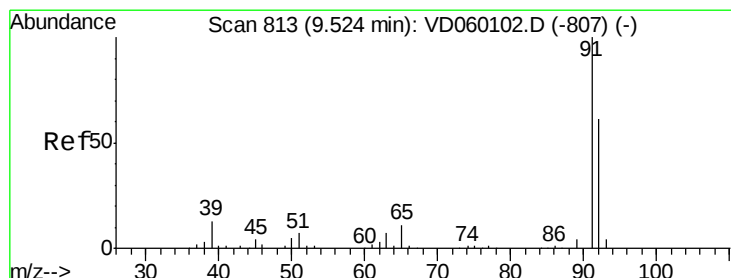
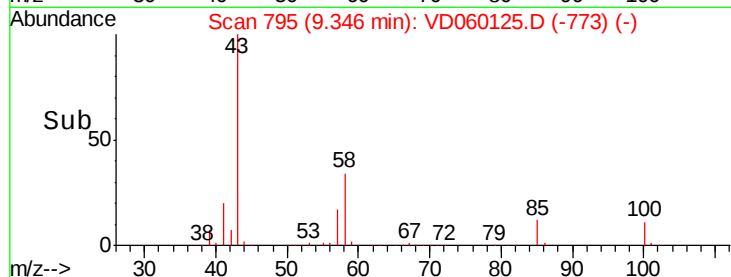
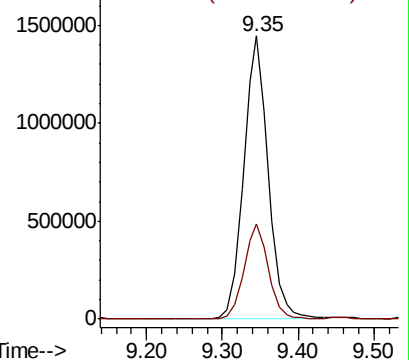
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.332 ug/l

RT: 9.55 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060125.D

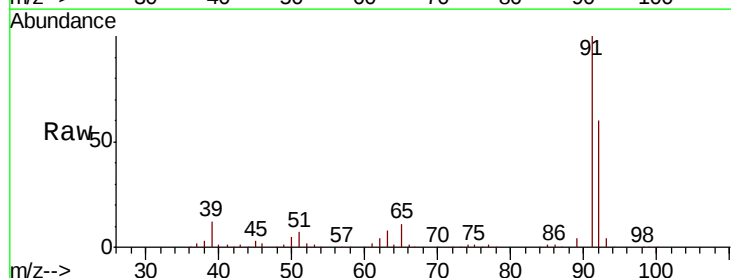
Acq: 4 Oct 2018 11:17

Tgt Ion: 92 Resp: 1968107

Ion Ratio Lower Upper

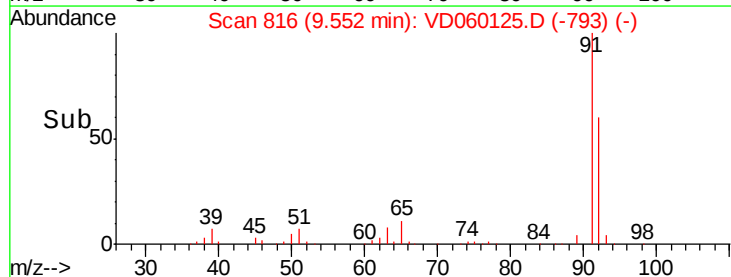
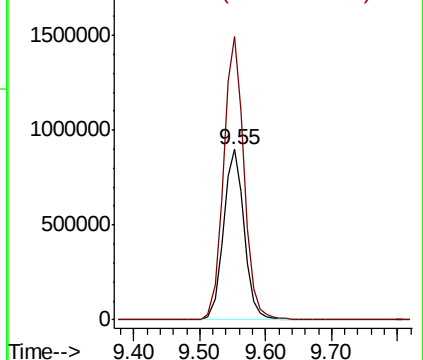
92 100

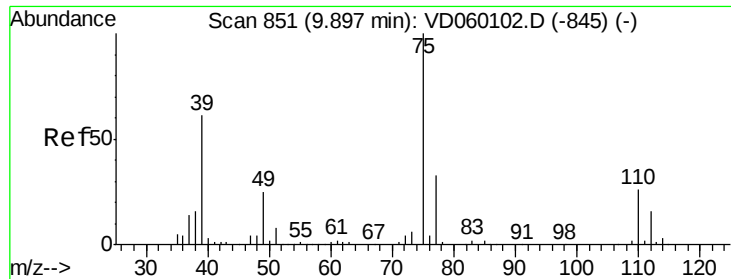
91 166.3 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.027 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Tot Ion: 75 Resp: 1050193

Ion Ratio Lower Upper

75 100

77 31.4 26.2 39.2

Instrument :

MSVOA_D

ClientSampleId :

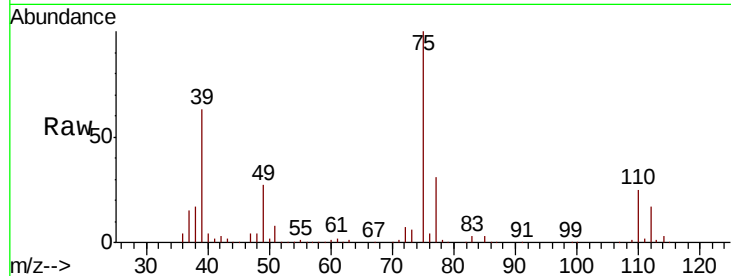
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

500000

400000

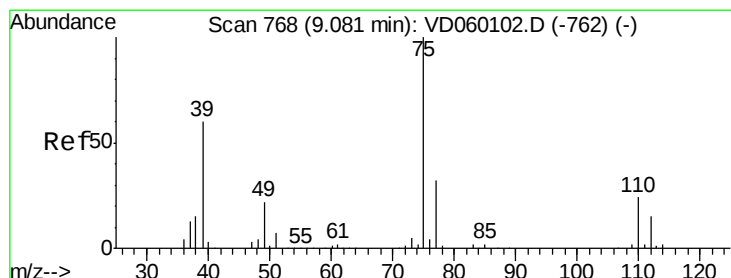
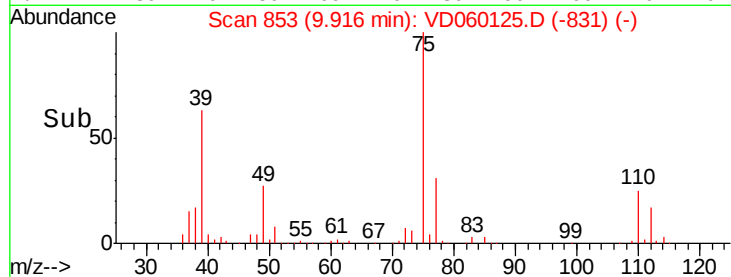
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.764 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

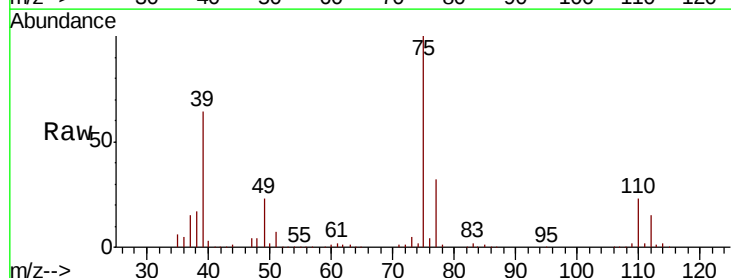
Tgt Ion: 75 Resp: 1267084

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5

39 63.5 48.2 72.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

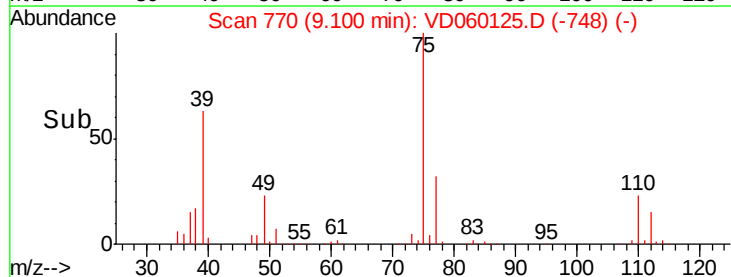
600000

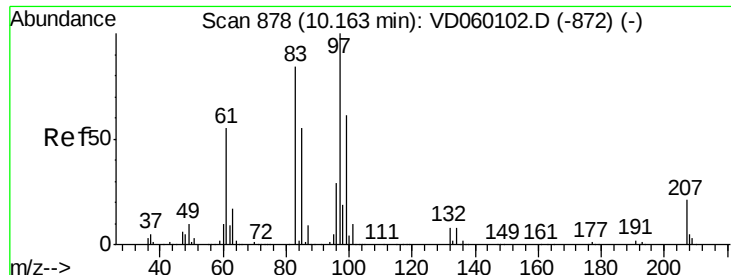
400000

200000

0

Time-->





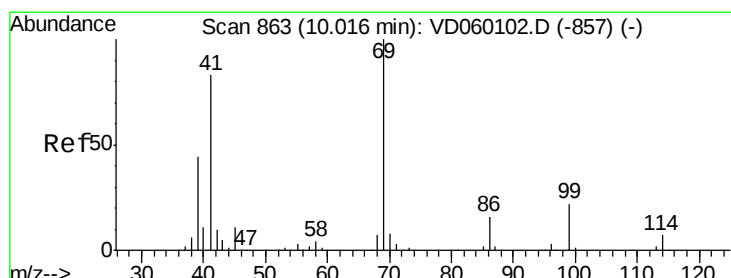
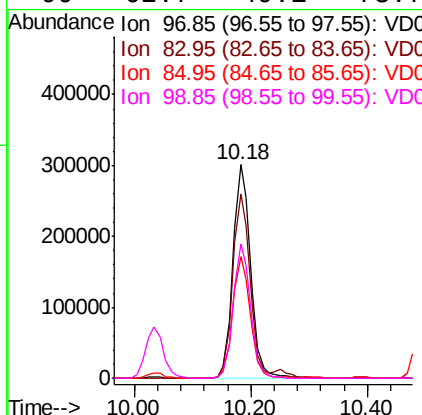
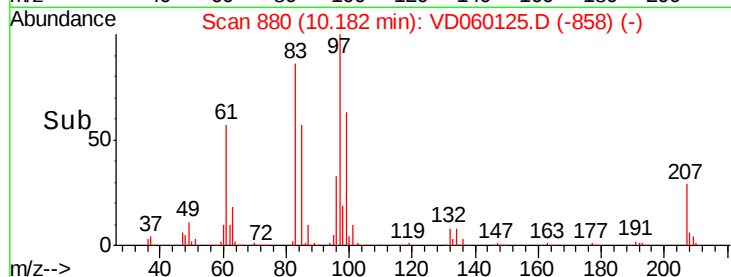
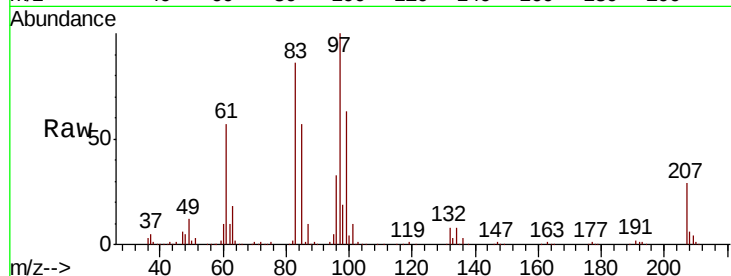
#55
 1,1,2-Trichloroethane
 Concen: 51.194 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		629405		
83	86.1	67.0	100.6		
85	57.2	43.9	65.9		
99	62.7	49.1	73.7		

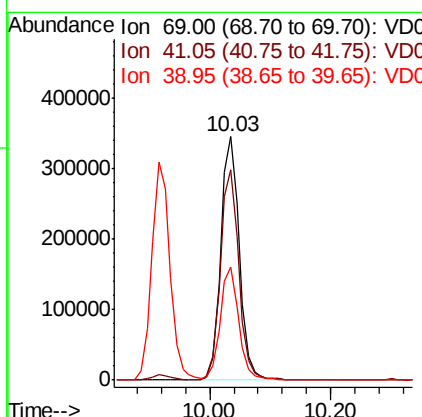
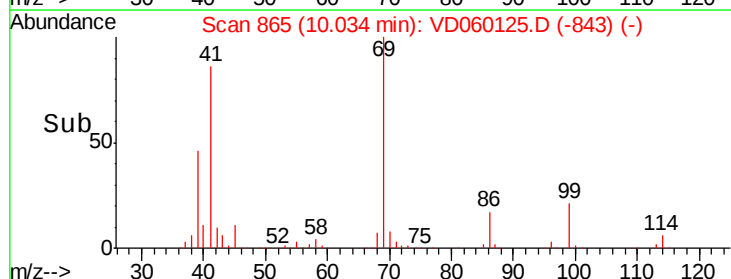
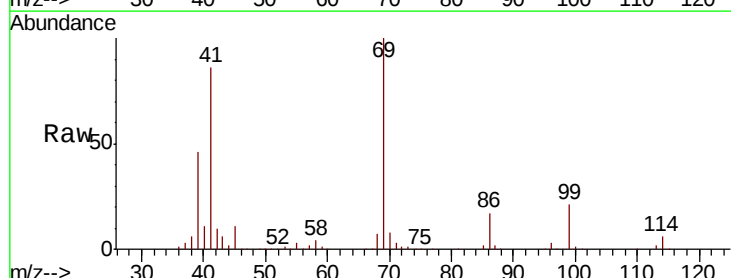
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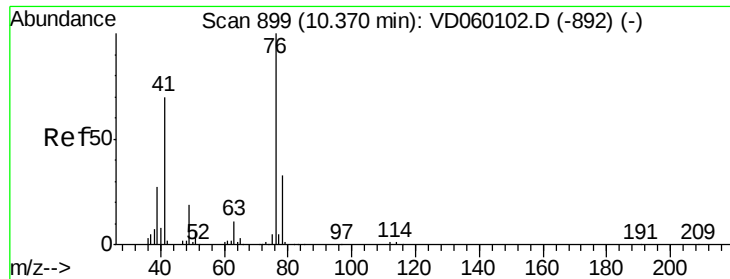
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#56
 Ethyl methacrylate
 Concen: 53.852 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		730843		
41	86.4	66.6	100.0		
39	46.3	36.0	54.0		





#57

1,3-Dichloropropane

Concen: 52.762 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 989330

Ion Ratio Lower Upper

76 100

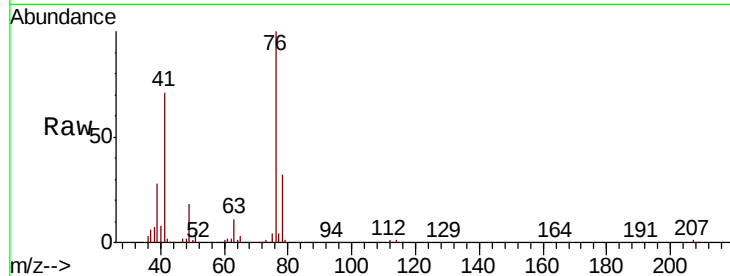
78 32.4 26.2 39.2

Manual Integrations

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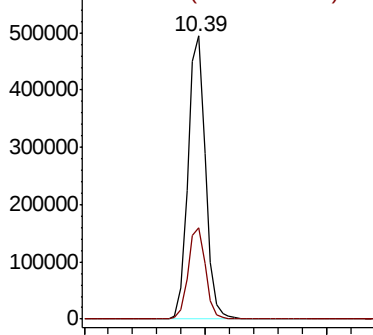
apatel

10/5/2018 12:20:14 PM

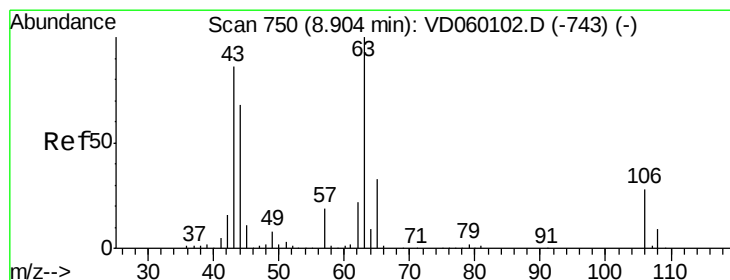
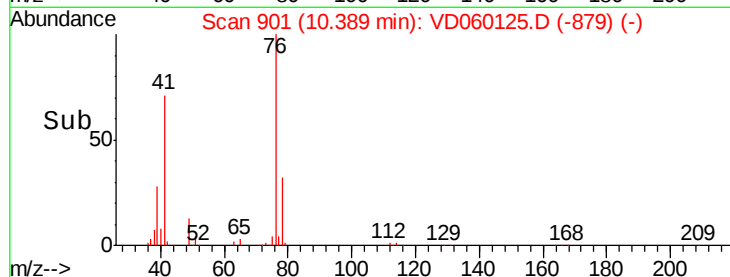


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time--> 10.20 10.40 10.60



#58

2-Chloroethyl Vinyl ether

Concen: 242.440 ug/l

RT: 8.92 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060125.D

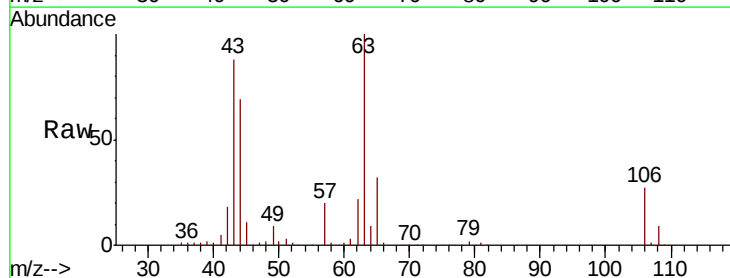
Acq: 4 Oct 2018 11:17

Tgt Ion: 63 Resp: 1827109

Ion Ratio Lower Upper

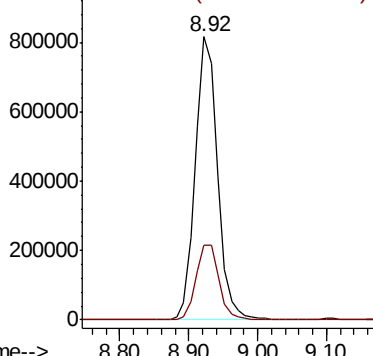
63 100

106 26.6 22.6 34.0

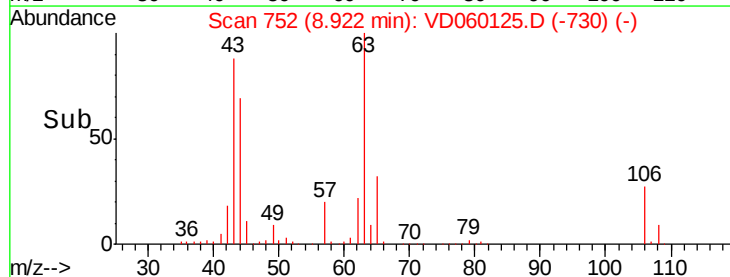


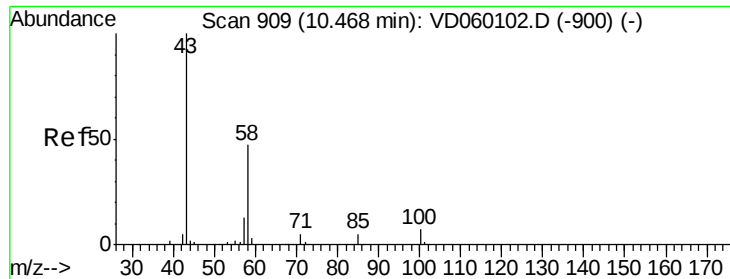
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



Time--> 8.80 8.90 9.00 9.10





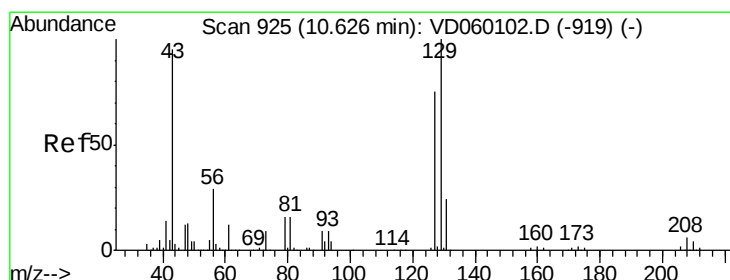
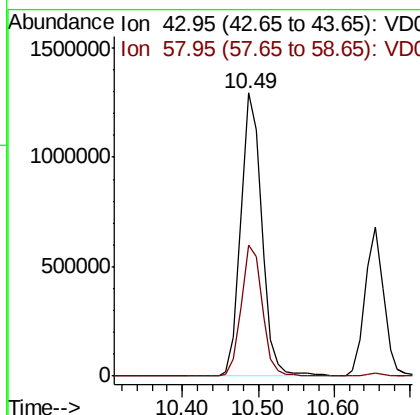
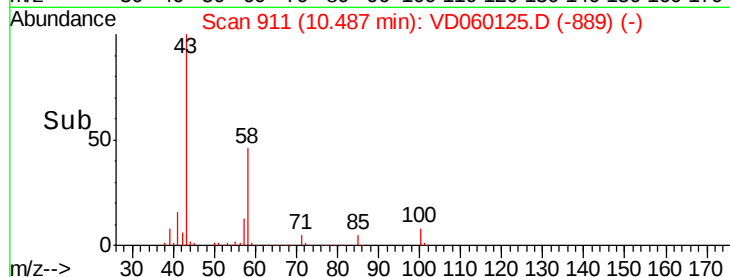
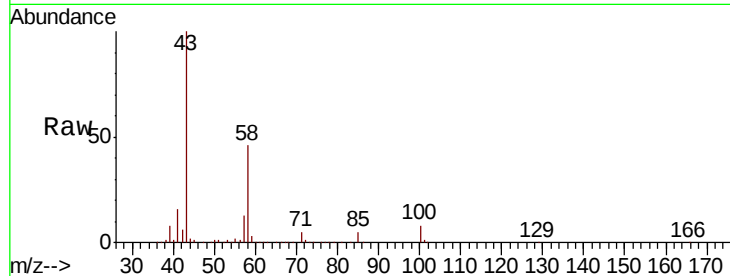
#59
2-Hexanone
Concen: 280.654 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2481054
Ion Ratio Lower Upper
43 100
58 46.4 23.3 69.9

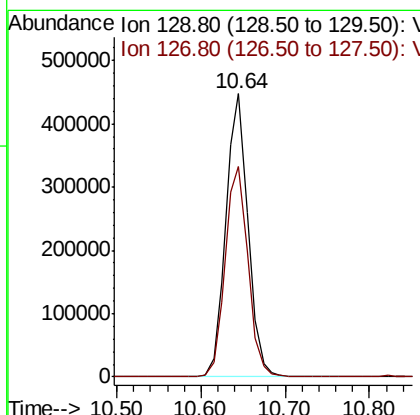
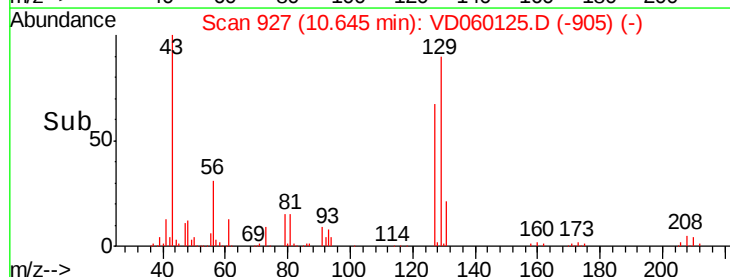
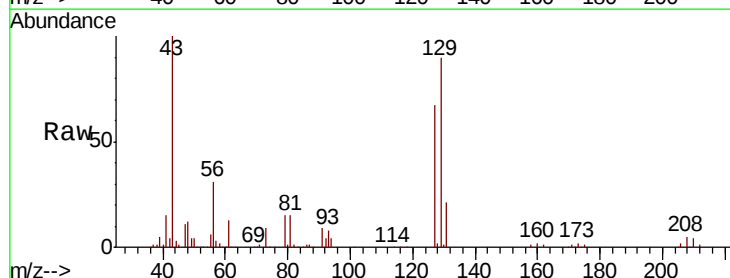
Manual Integrations
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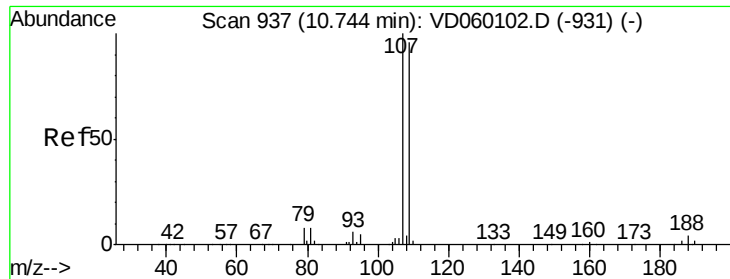
apatel
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#60
Dibromochloromethane
Concen: 54.068 ug/l
RT: 10.64 min Scan# 927
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion: 129 Resp: 815600
Ion Ratio Lower Upper
129 100
127 74.5 37.4 112.2





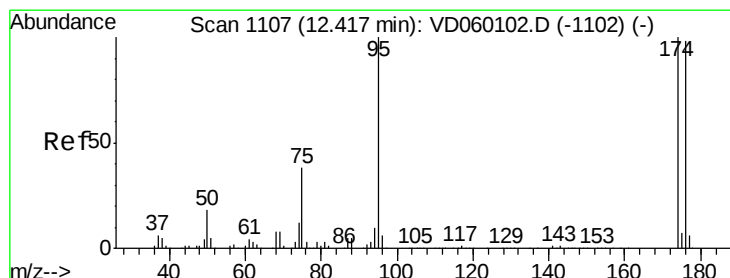
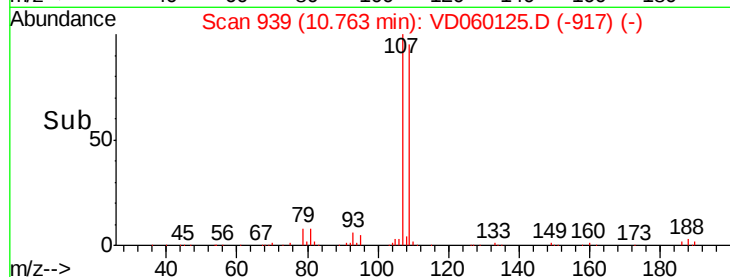
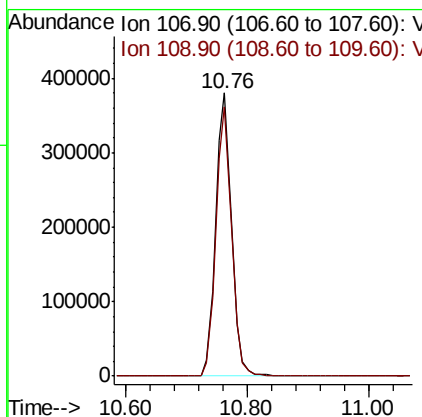
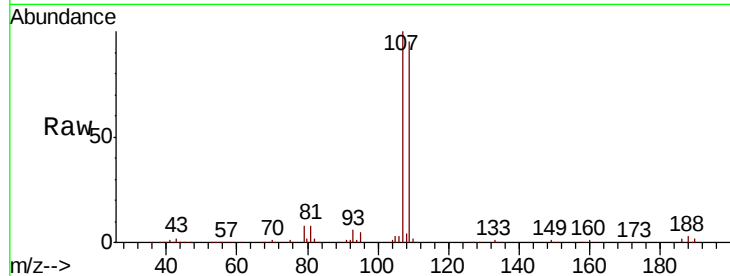
#61
 1,2-Dibromoethane
 Concen: 52.961 ug/l
 RT: 10.76 min Scan# 939
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	77.1	115.7

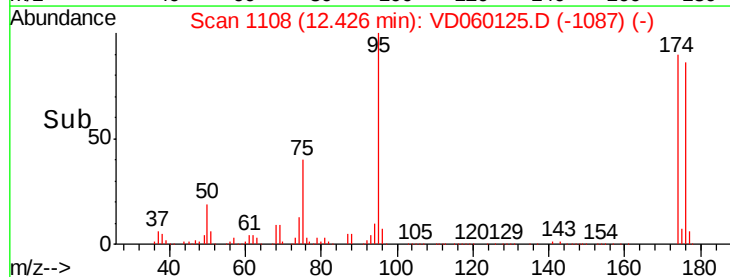
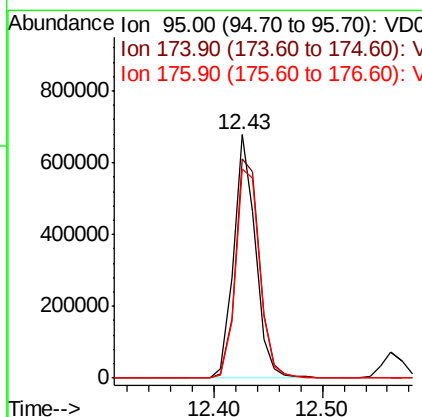
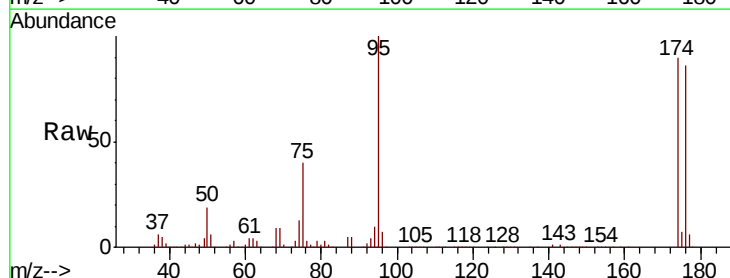
Manual Integrations
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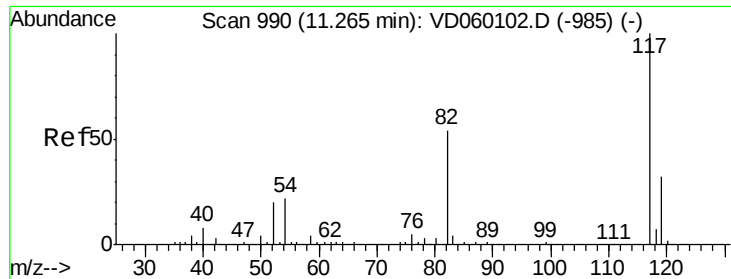
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#62
 4-Bromofluorobenzene
 Concen: 52.961 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	200.2
176	85.9	0.0	195.6





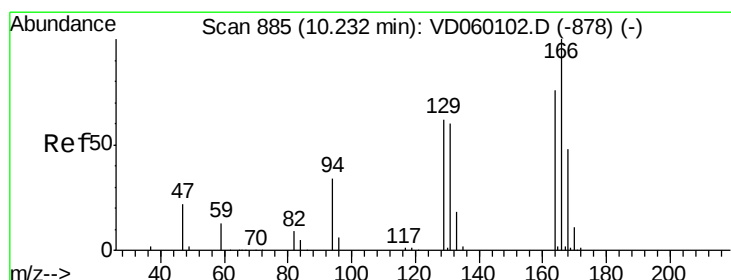
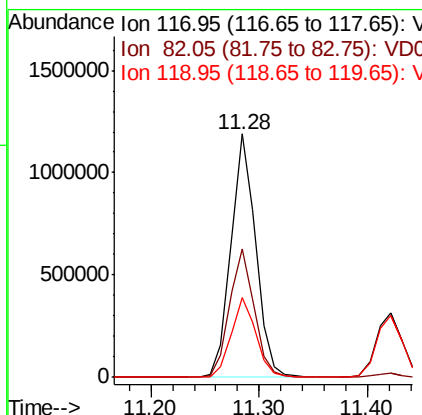
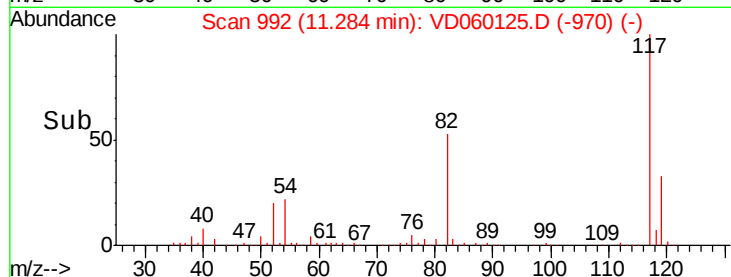
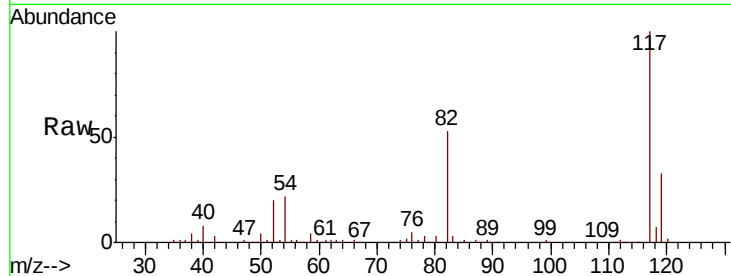
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1899073
Ion Ratio Lower Upper
117 100
82 52.6 43.4 65.2
119 32.6 26.0 39.0

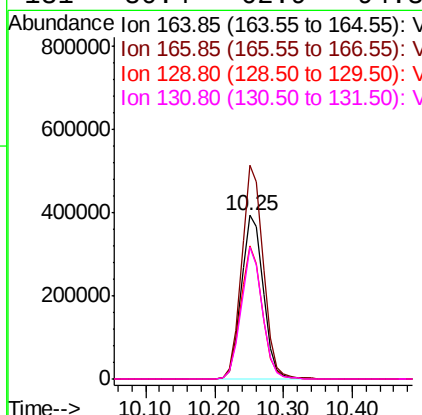
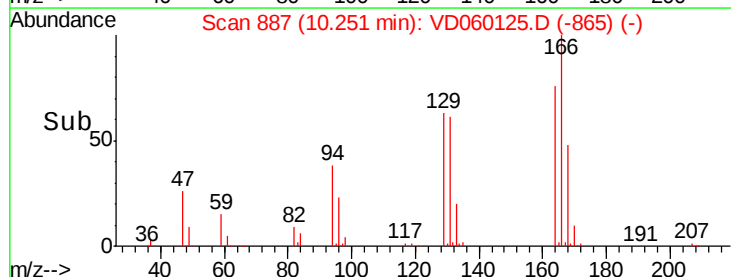
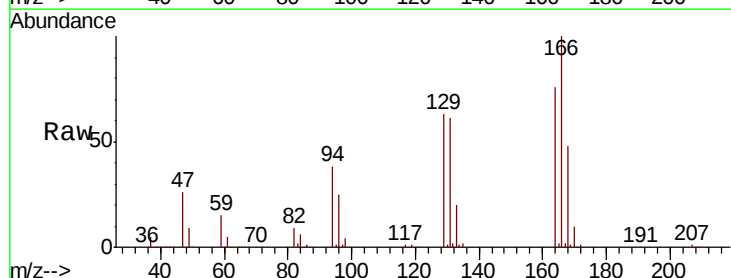
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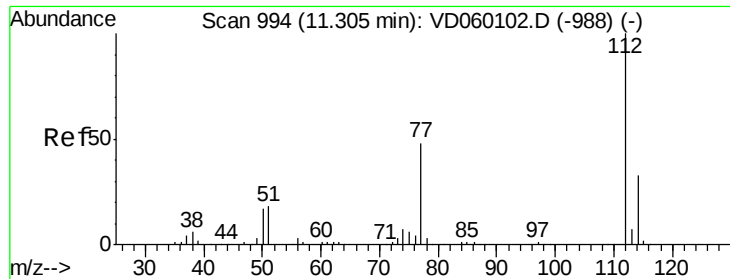
apatel
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#64
Tetrachloroethene
Concen: 52.152 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion:164 Resp: 867459
Ion Ratio Lower Upper
164 100
166 130.7 105.4 158.0
129 81.8 65.7 98.5
131 80.4 62.9 94.3





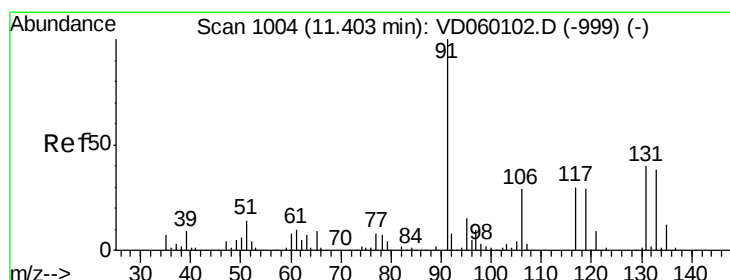
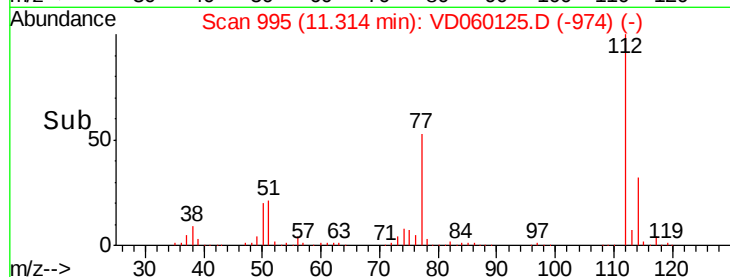
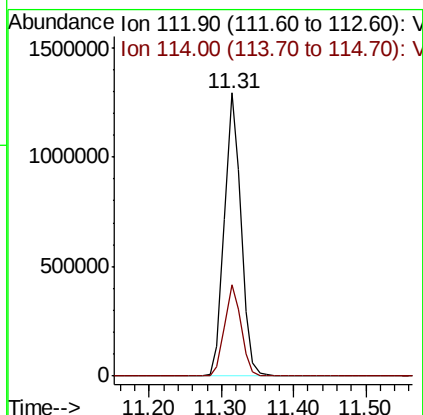
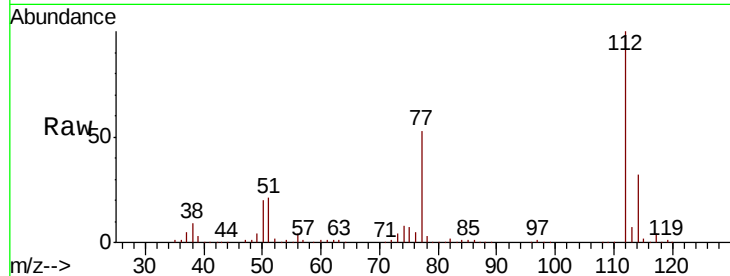
#65
Chlorobenzene
Concen: 50.177 ug/l
RT: 11.31 min Scan# 995
Delta R.T. 0.01 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 2061479
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0

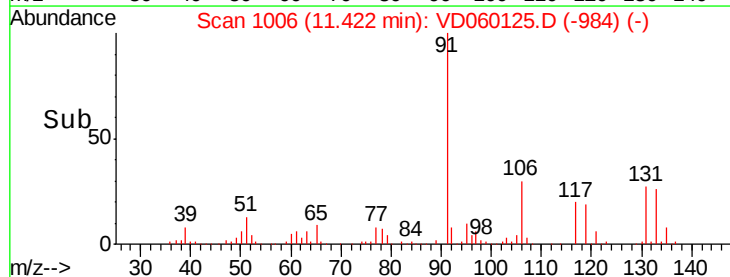
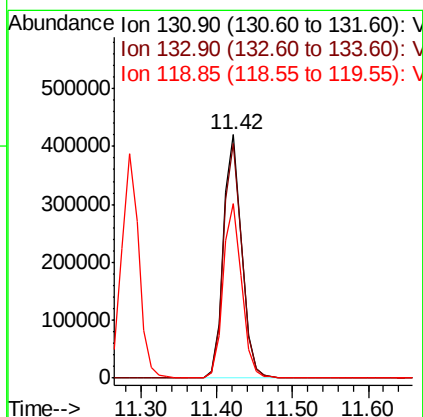
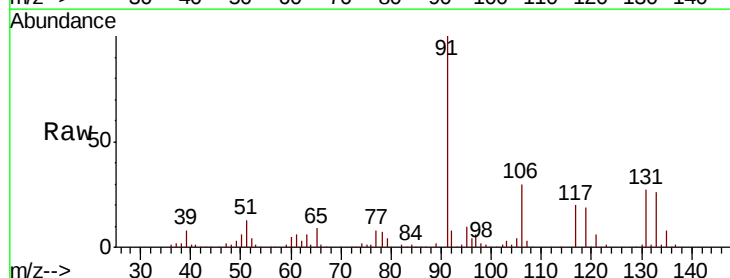
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.503 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion:131 Resp: 705875
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.3
119 71.5 36.1 108.3





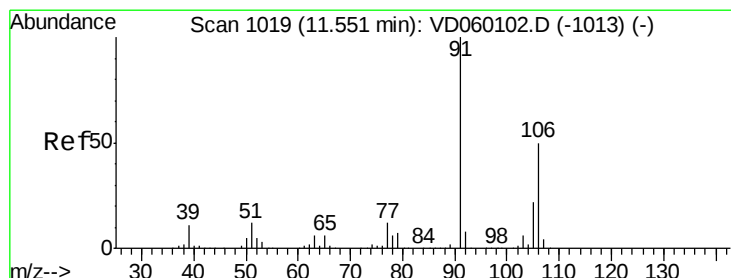
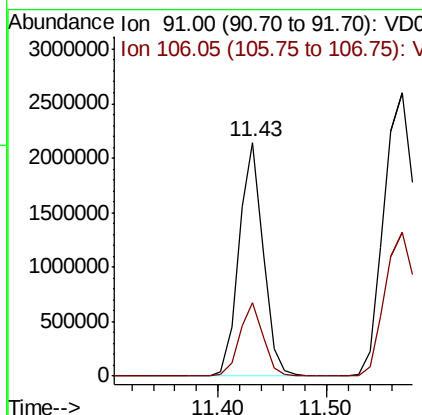
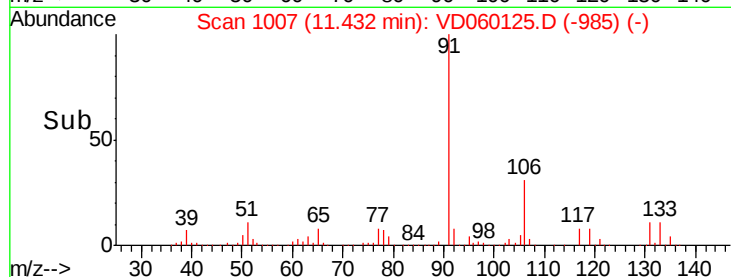
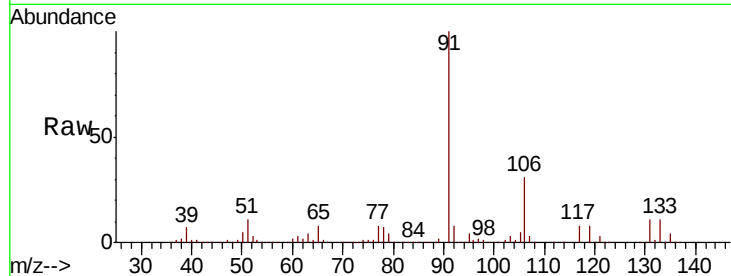
#67
Ethyl Benzene
Concen: 49.930 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 3323528
Ion Ratio Lower Upper
91 100
106 31.3 24.4 36.6

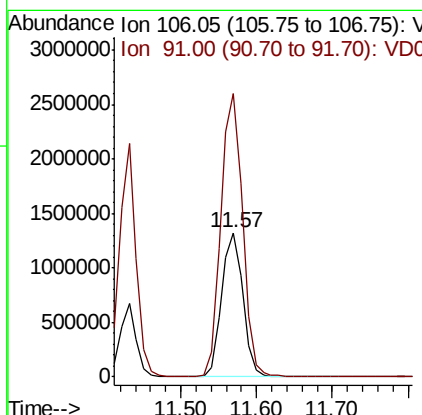
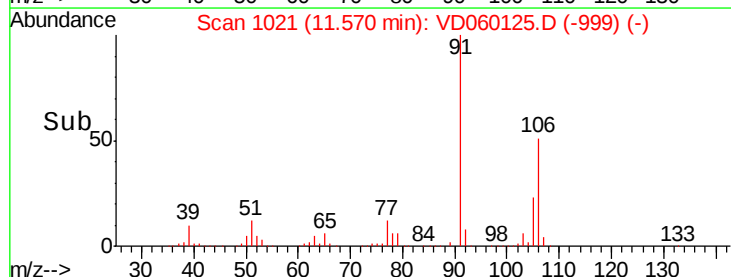
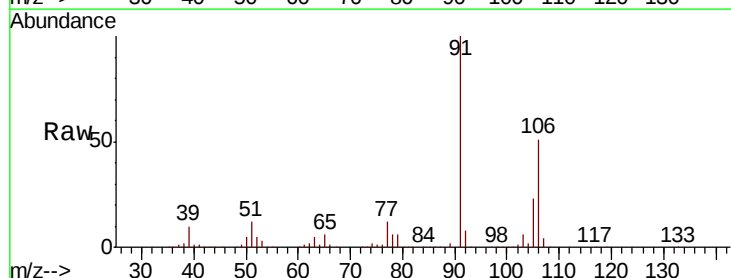
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#68
m/p-Xylenes
Concen: 103.774 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion: 106 Resp: 2580905
Ion Ratio Lower Upper
106 100
91 196.5 160.0 240.0





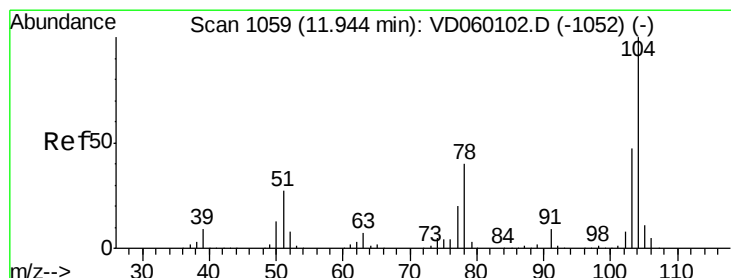
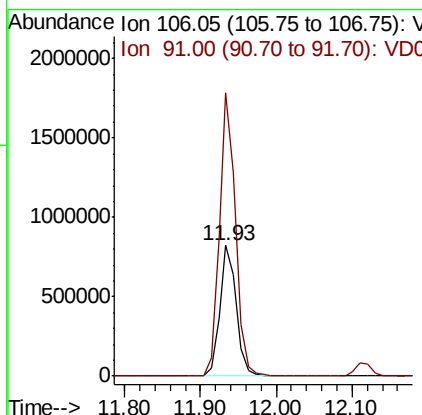
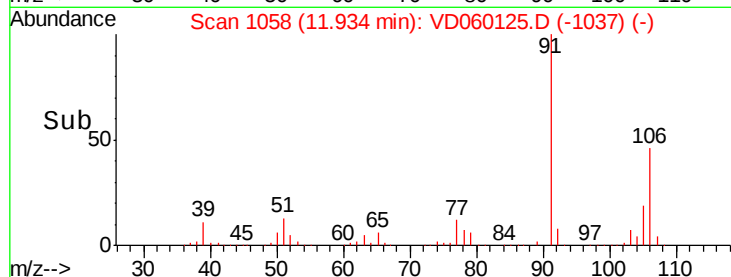
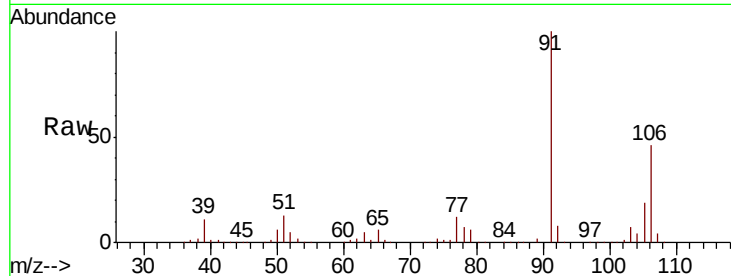
#69
o-Xylene
Concen: 50.699 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1247210
Ion Ratio Lower Upper
106 100
91 216.9 102.5 307.5

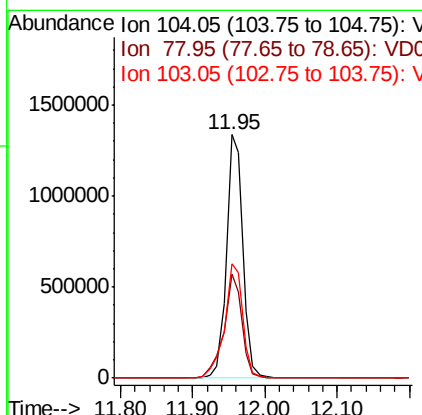
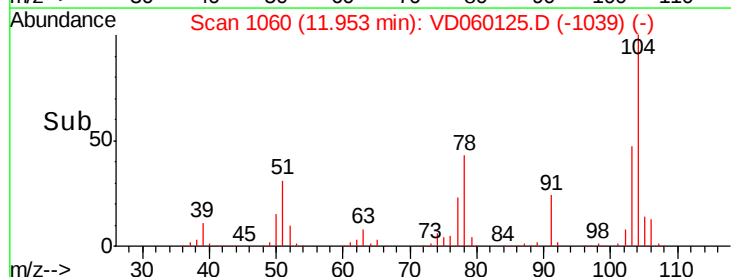
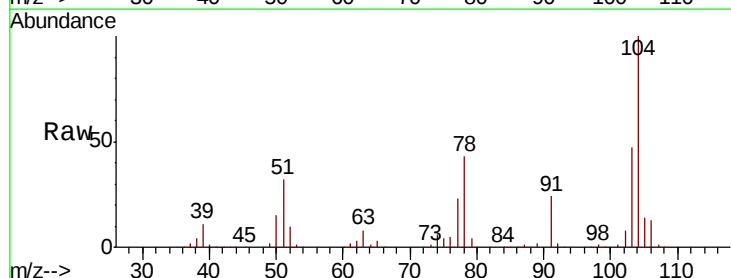
Manual Integrations
APPROVED

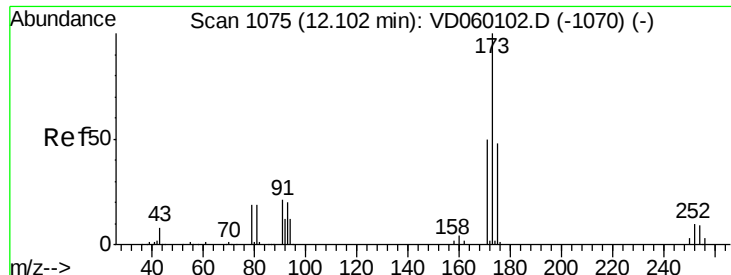
apatel
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#70
Styrene
Concen: 51.020 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion:104 Resp: 2098908
Ion Ratio Lower Upper
104 100
78 42.8 32.2 48.4
103 47.2 37.4 56.0





#71

Bromoform

Concen: 55.129 ug/l

RT: 12.12 min Scan# 1077

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 611828

Ion Ratio Lower Upper

173 100

175 49.8 24.1 72.4

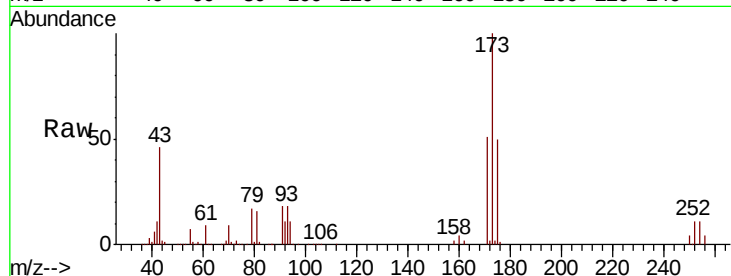
254 10.7 7.4 11.0

Manual Integrations

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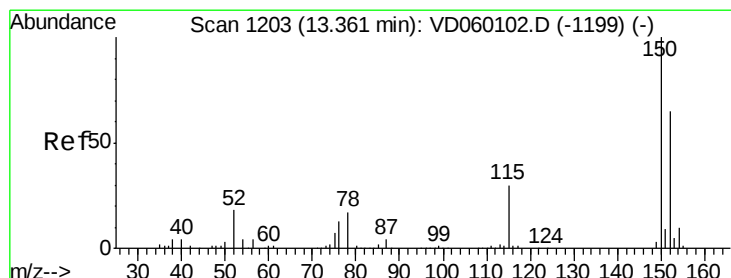
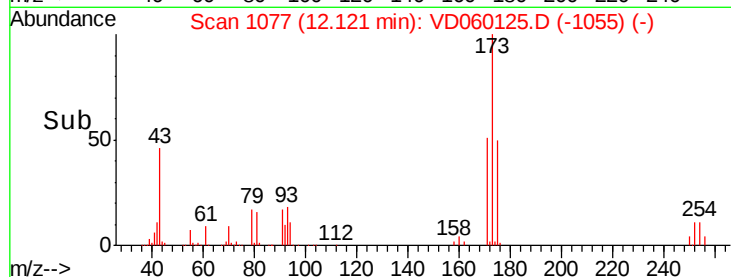
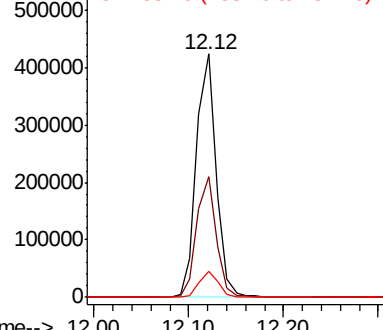
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Abundance Ion 172.80 (172.50 to 173.50): V

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# 1204

Delta R.T. 0.01 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

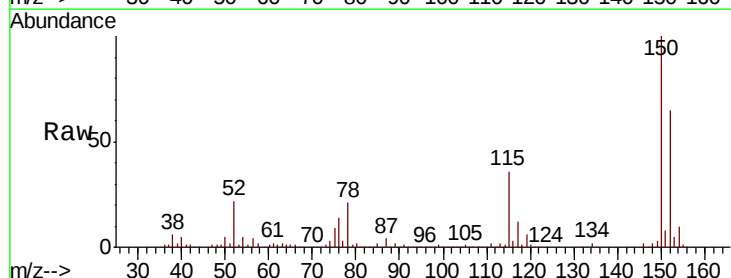
Tgt Ion:152 Resp: 975358

Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.2

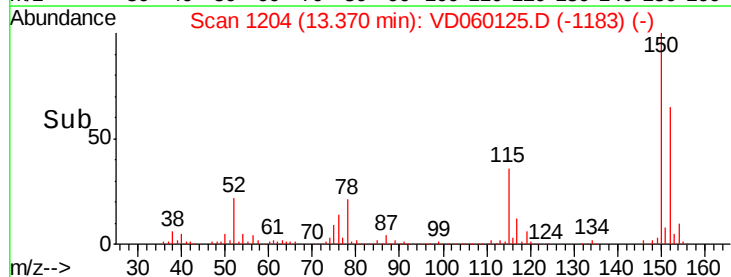
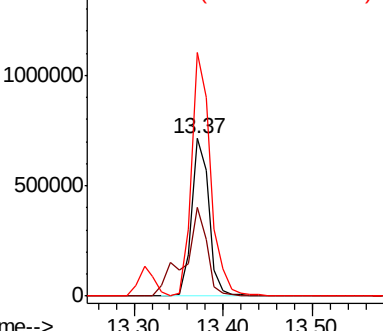
150 154.5 0.0 311.8

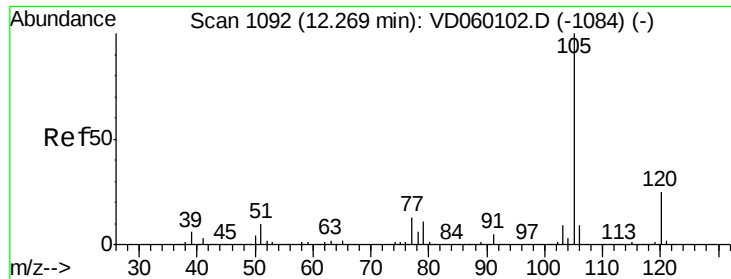


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.376 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion:105 Resp: 3370180

Ion Ratio Lower Upper

105 100

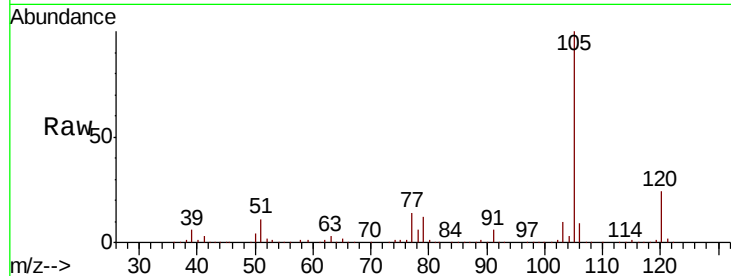
120 24.4 12.6 37.6

Manual Integrations

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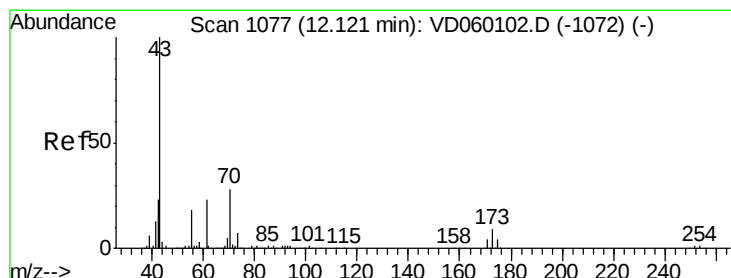
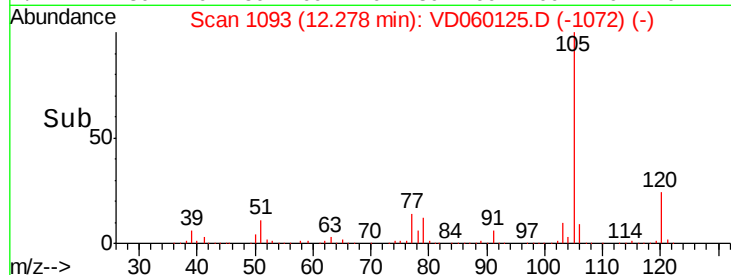
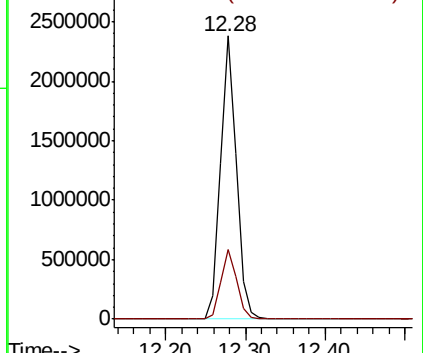
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 56.053 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Tgt Ion: 43 Resp: 1321142

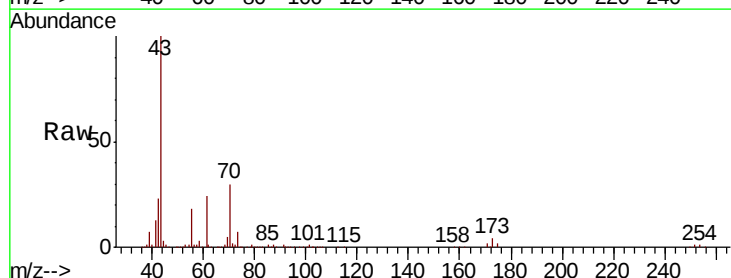
Ion Ratio Lower Upper

43 100

70 30.0 22.1 33.1

55 17.6 14.1 21.1

61 24.1 18.4 27.6

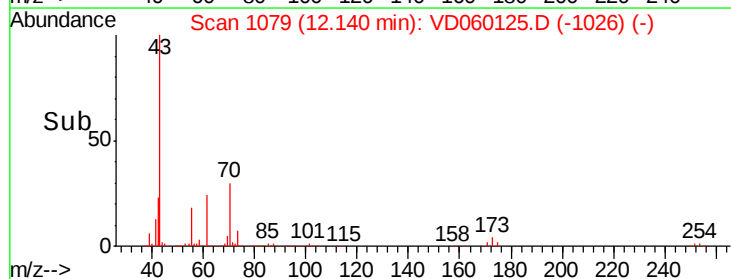
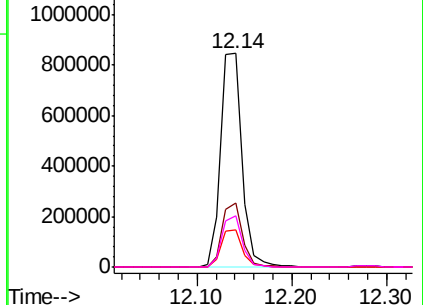


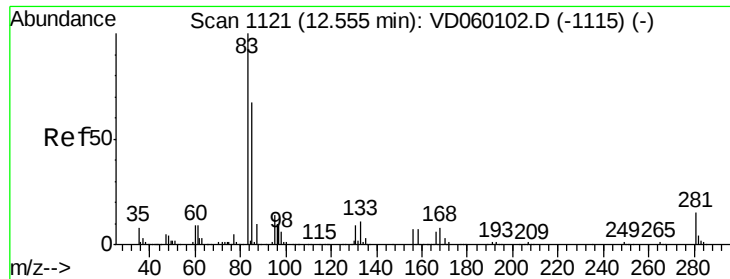
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 53.498 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

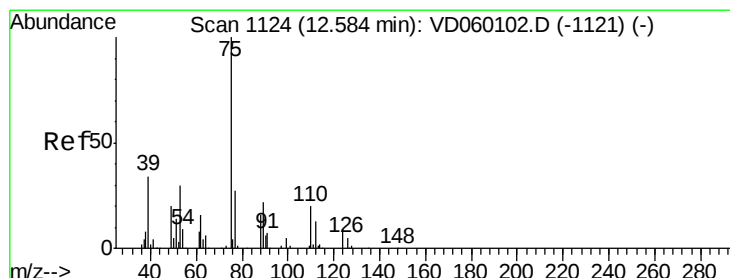
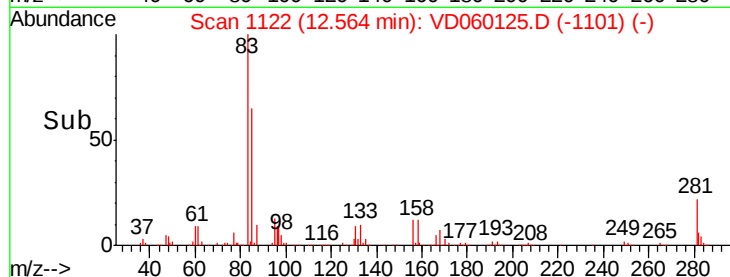
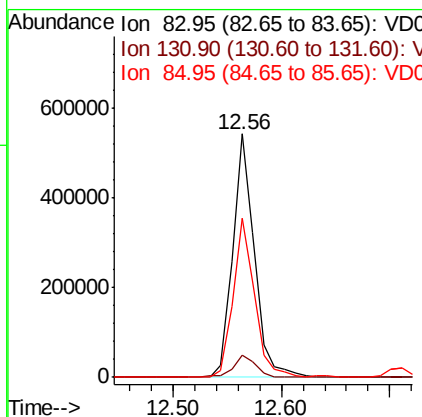
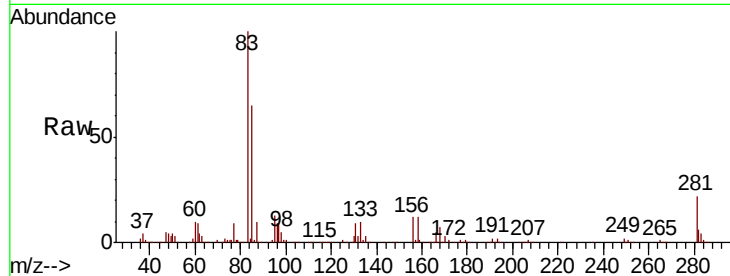
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	751531
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.5	13.4
85	65.3	33.3	99.9

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#76

1,2,3-Trichloropropane

Concen: 54.572 ug/l

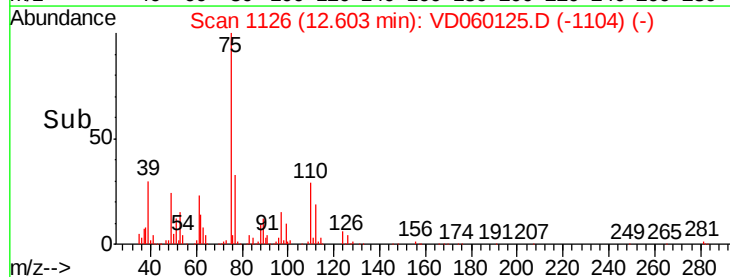
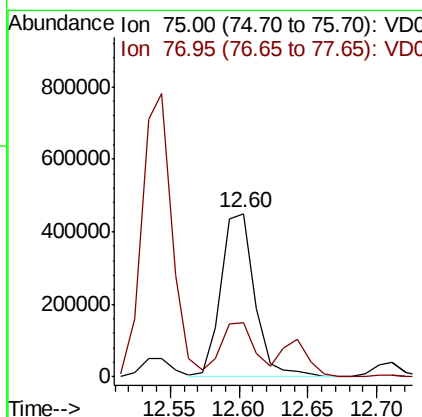
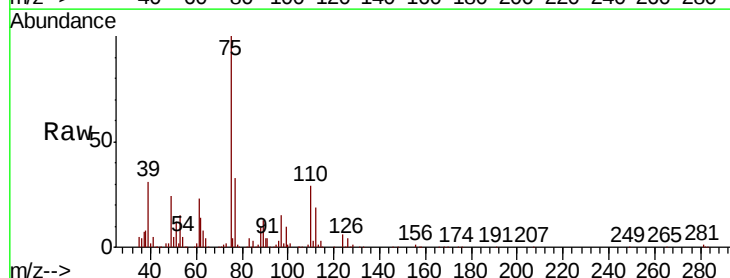
RT: 12.60 min Scan# 1126

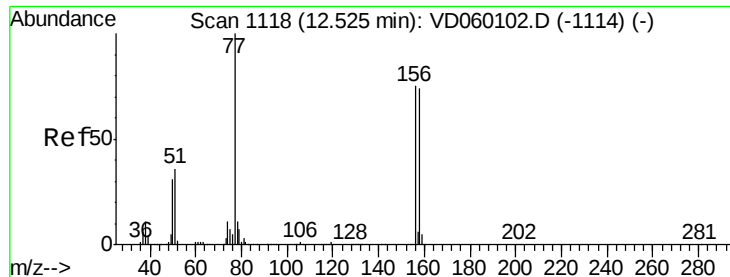
Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Tgt Ion:	75	Resp:	766537
Ion Ratio	Lower	Upper	
75	100		
77	33.3	16.3	48.9





#77

Bromobenzene

Concen: 53.378 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

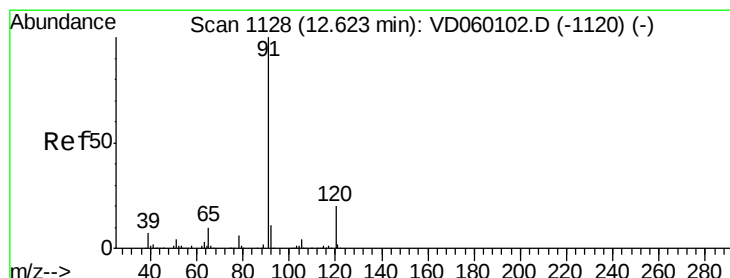
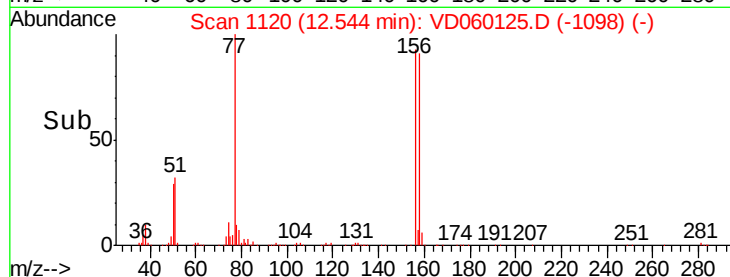
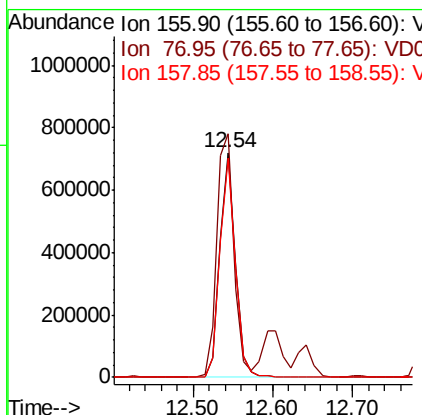
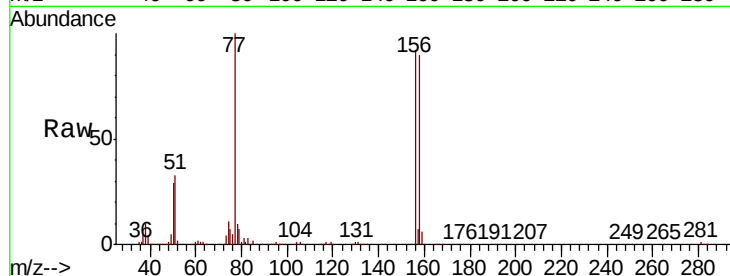
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	108.2	66.9	200.7
158	97.6	49.1	147.4

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#78

n-propylbenzene

Concen: 52.288 ug/l

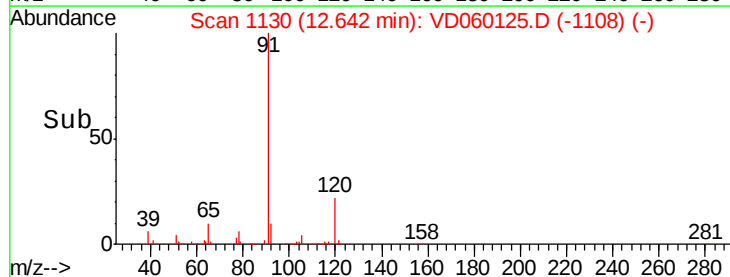
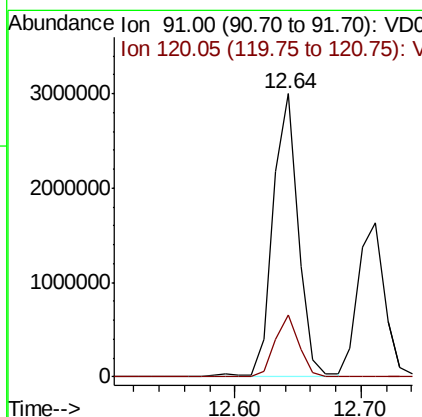
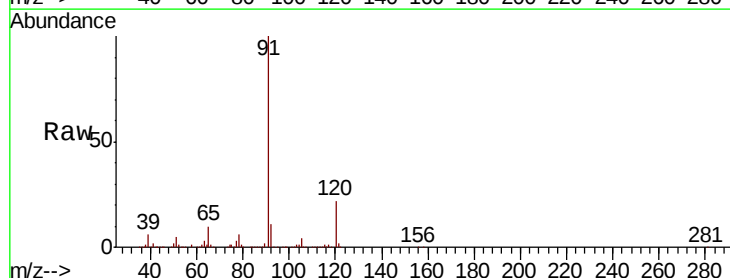
RT: 12.64 min Scan# 1130

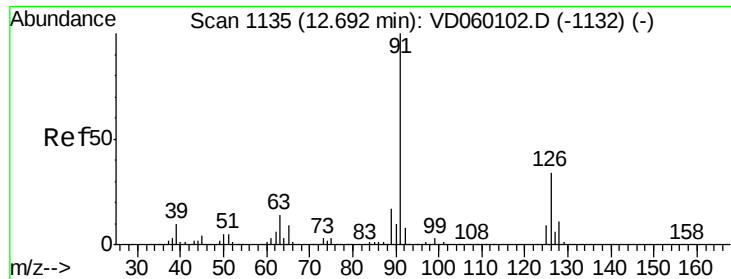
Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.0	30.0





#79

2-Chlorotoluene

Concen: 52.843 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. 0.02 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2343305

Ion Ratio Lower Upper

91 100

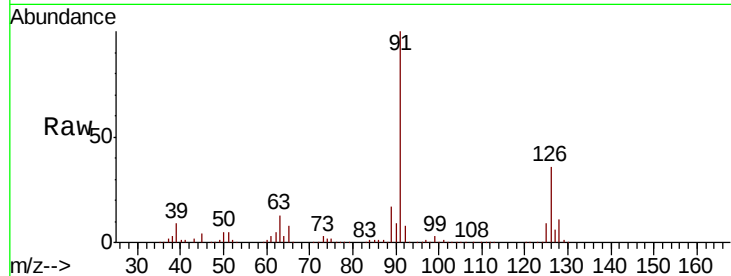
126 36.2 16.8 50.3

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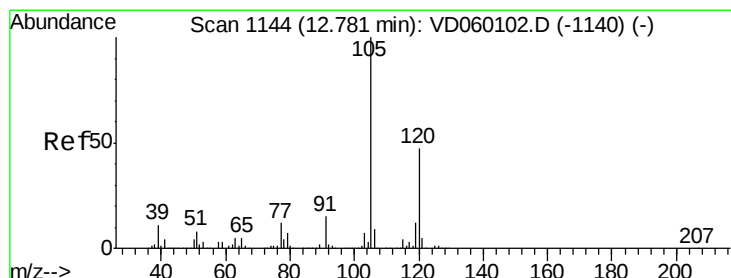
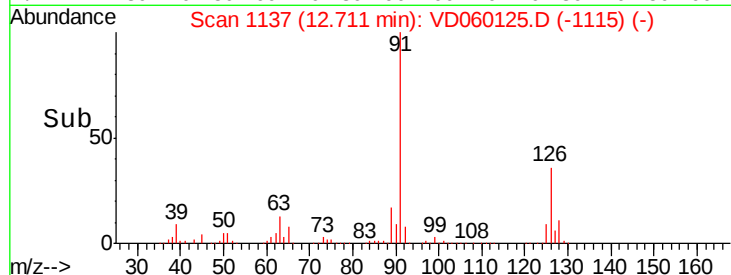
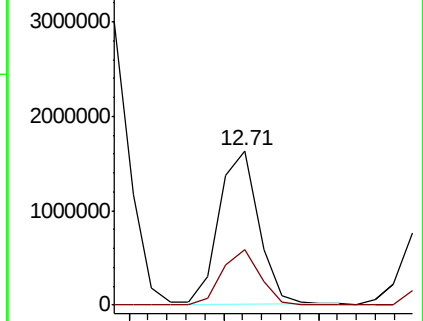
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.883 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060125.D

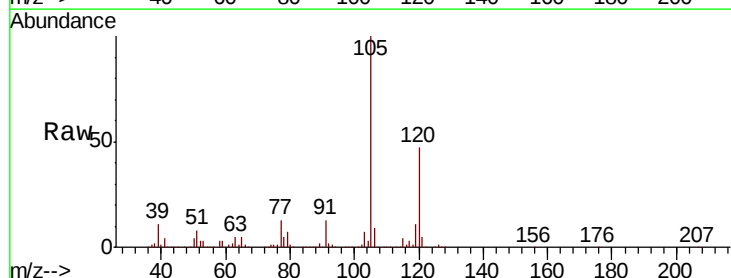
Acq: 4 Oct 2018 11:17

Tgt Ion:105 Resp: 2633642

Ion Ratio Lower Upper

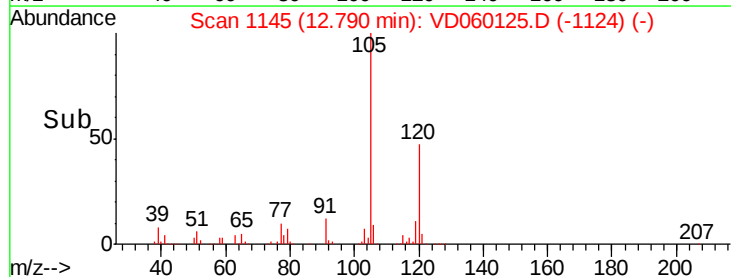
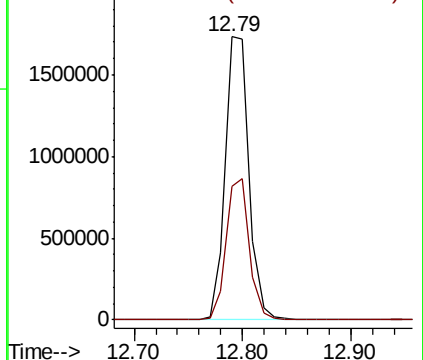
105 100

120 47.1 23.7 71.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





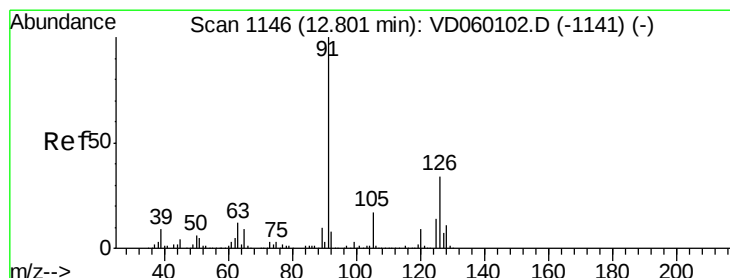
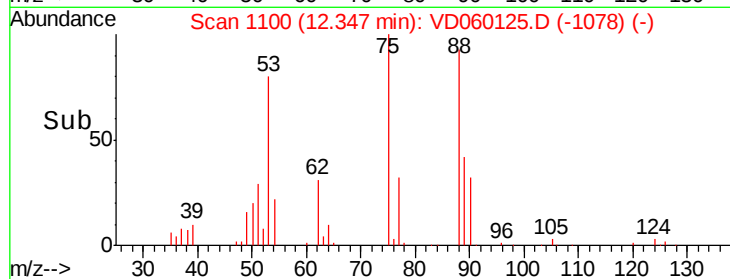
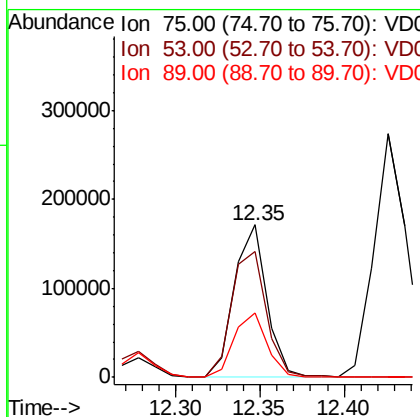
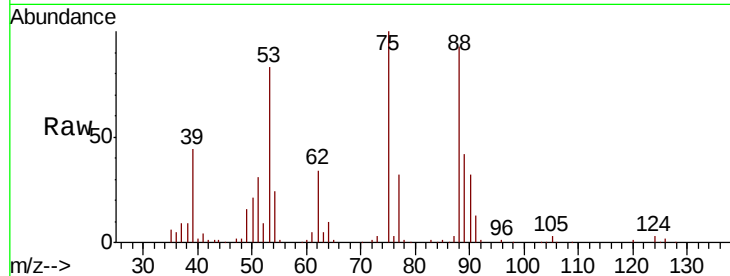
#81
trans-1,4-Dichloro-2-butene
Concen: 58.105 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.9	73.0	109.6
89	42.1	32.0	48.0

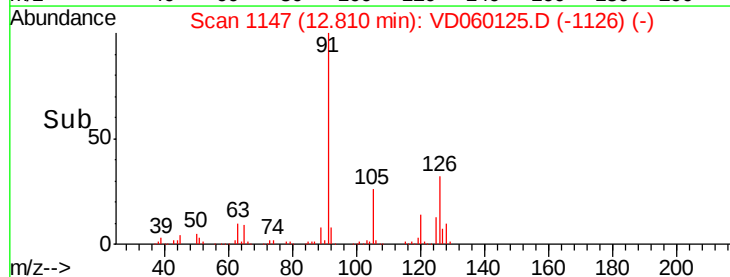
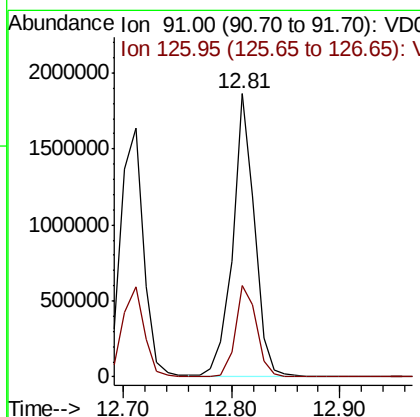
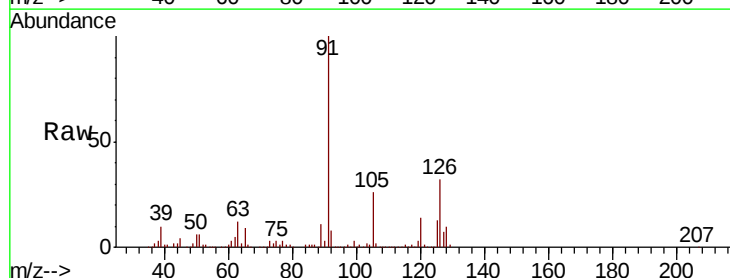
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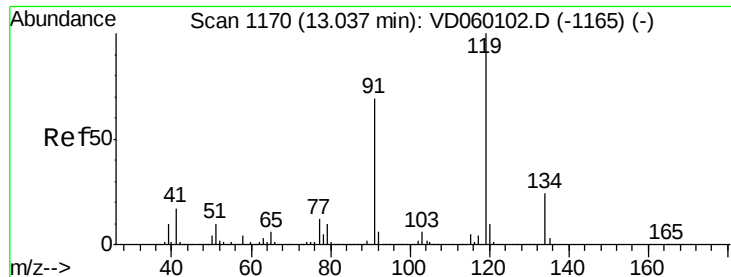
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#82
4-Chlorotoluene
Concen: 51.722 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. 0.01 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	17.1	51.2





#83

tert-Butylbenzene

Concen: 53.742 ug/l

RT: 13.05 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3071297

Ion Ratio Lower Upper

119 100

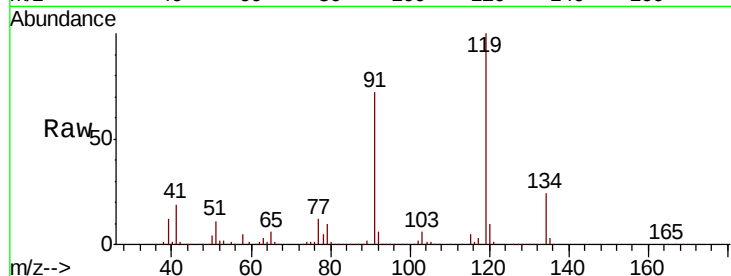
91 71.8 34.8 104.4

134 24.0 11.8 35.4

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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

13.05

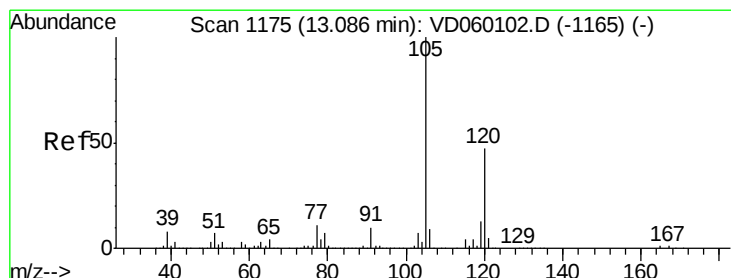
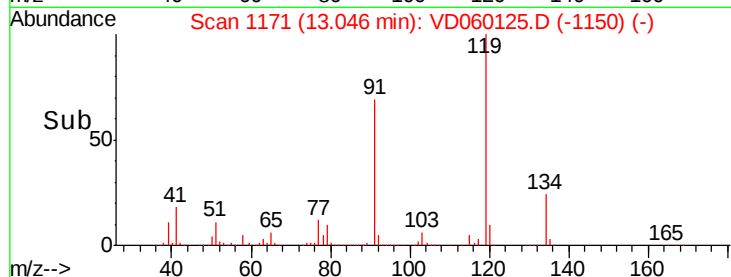
1500000

1000000

500000

0

Time--> 12.90 13.00 13.10 13.20



#84

1,2,4-Trimethylbenzene

Concen: 50.331 ug/l

RT: 13.09 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VD060125.D

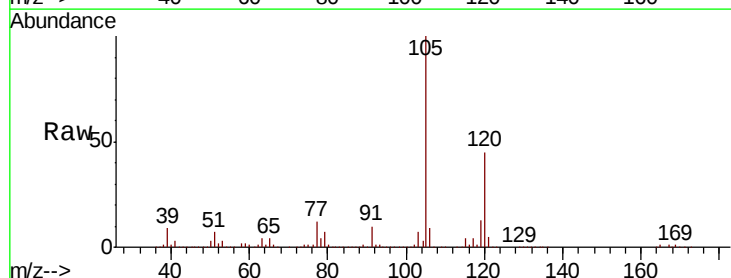
Acq: 4 Oct 2018 11:17

Tgt Ion:105 Resp: 2641736

Ion Ratio Lower Upper

105 100

120 45.4 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

3000000

2500000

2000000

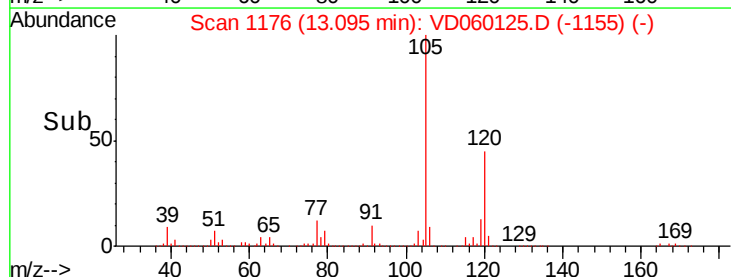
1500000

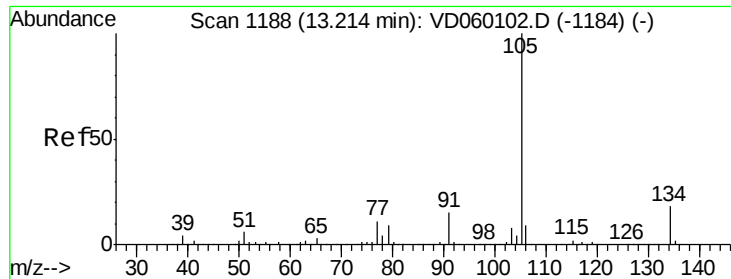
1000000

500000

0

Time--> 13.00 13.10 13.20





#85

sec-Butylbenzene

Concen: 52.859 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3571775

Ion Ratio Lower Upper

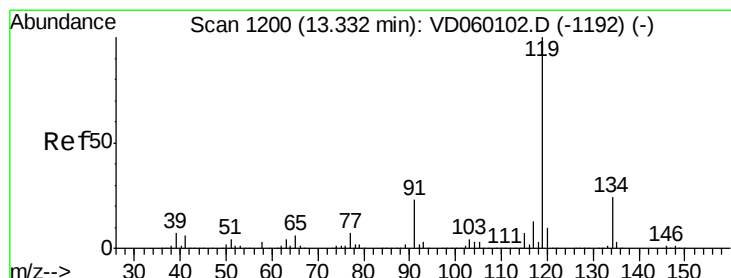
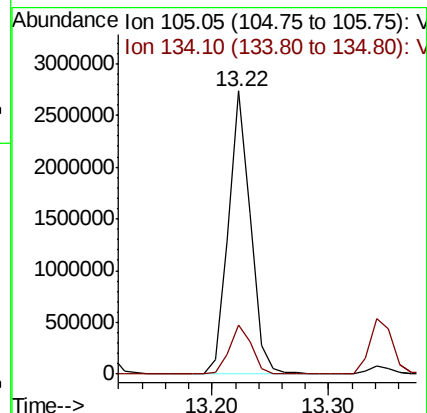
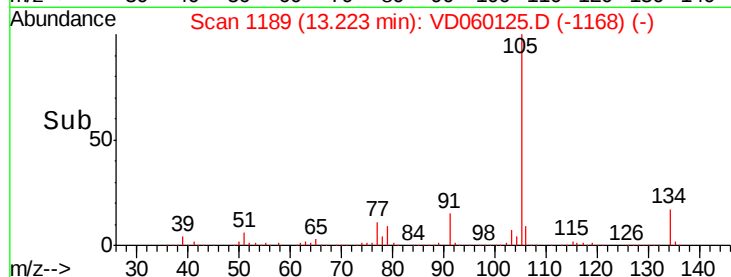
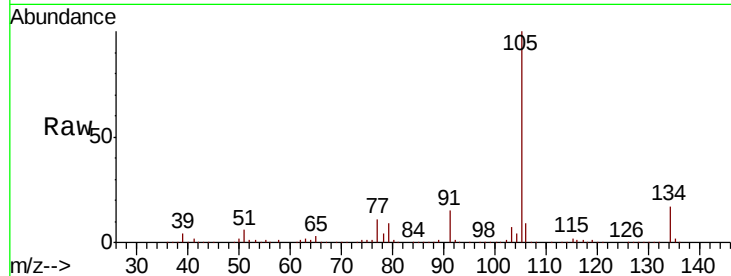
105 100

134 17.3 8.8 26.2

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#86

p-Isopropyltoluene

Concen: 53.198 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060125.D

Acq: 4 Oct 2018 11:17

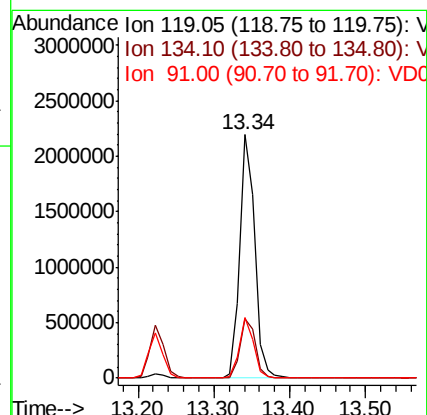
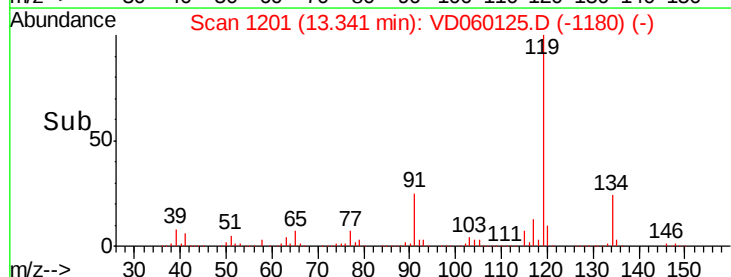
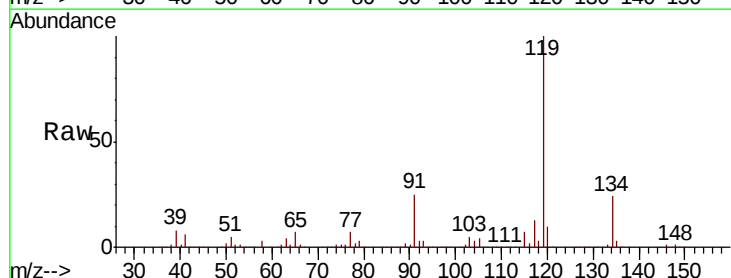
Tgt Ion:119 Resp: 2948392

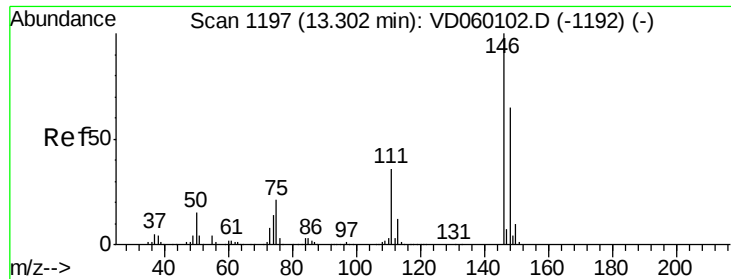
Ion Ratio Lower Upper

119 100

134 24.3 12.3 36.8

91 24.8 11.8 35.4





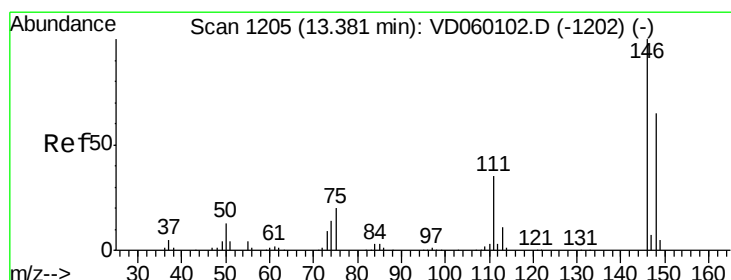
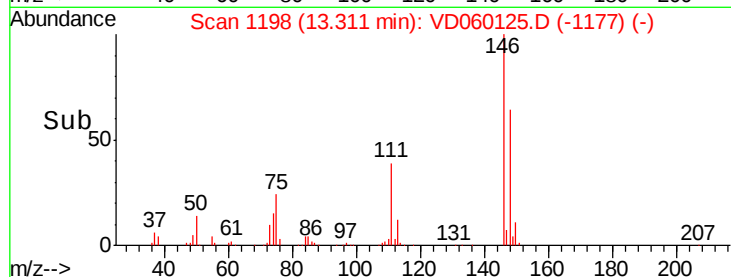
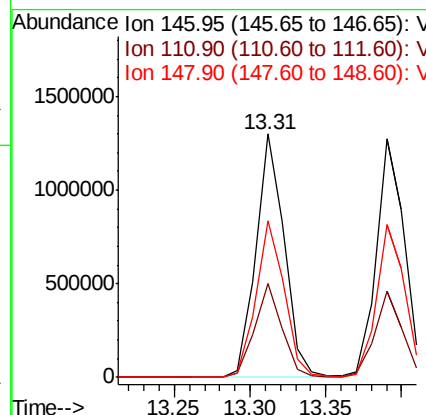
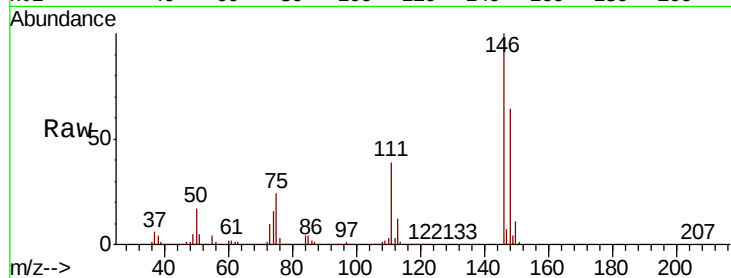
#87
 1,3-Dichlorobenzene
 Concen: 52.358 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.01 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1705701
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.1 54.3
 148 64.2 32.3 96.9

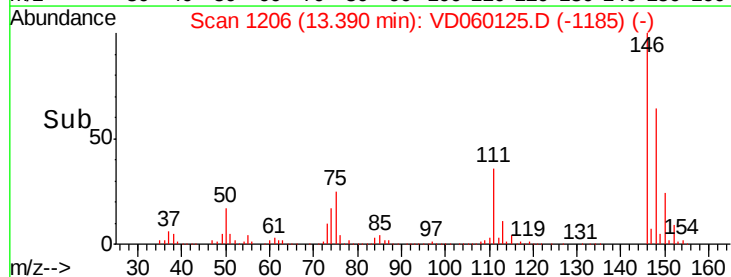
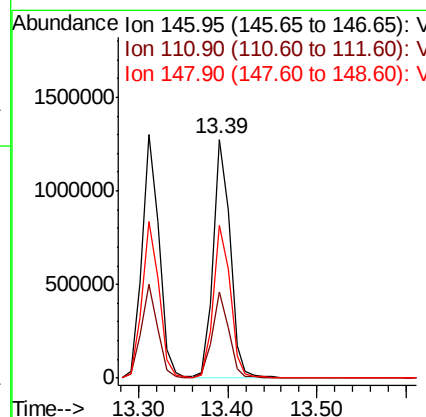
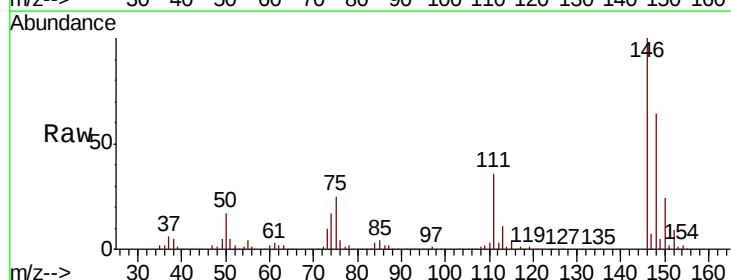
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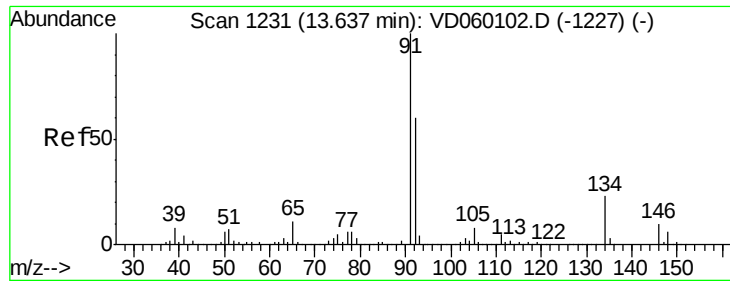
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#88
 1,4-Dichlorobenzene
 Concen: 51.438 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion:146 Resp: 1683197
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.8 53.3
 148 63.7 32.4 97.2





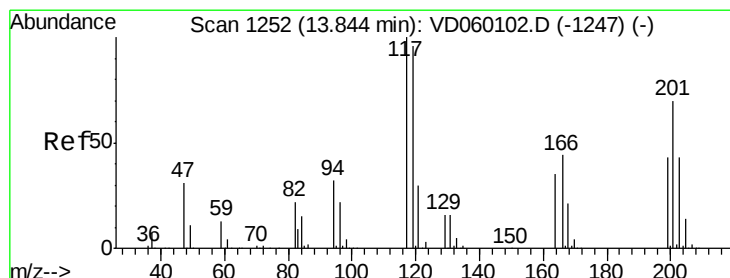
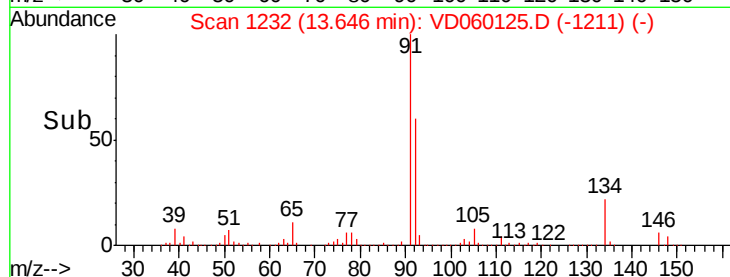
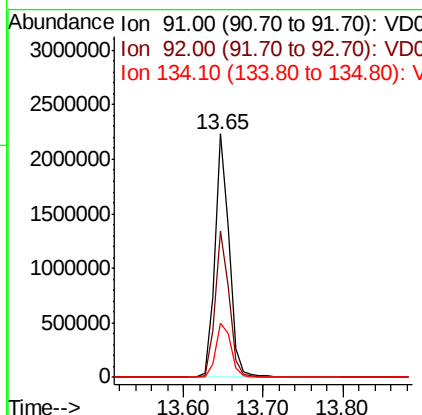
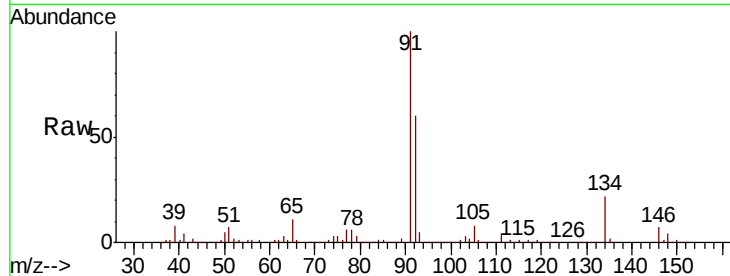
#89
n-Butylbenzene
Concen: 52.247 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2825425
Ion Ratio Lower Upper
91 100
92 60.2 30.1 90.3
134 22.5 11.6 34.7

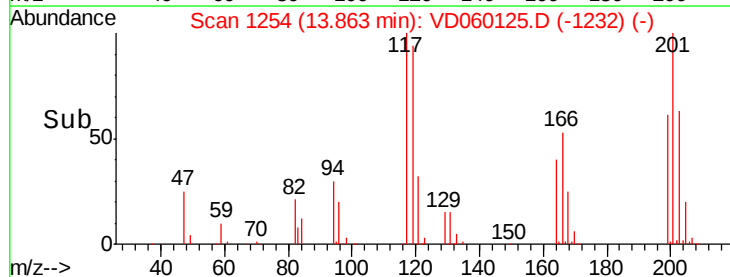
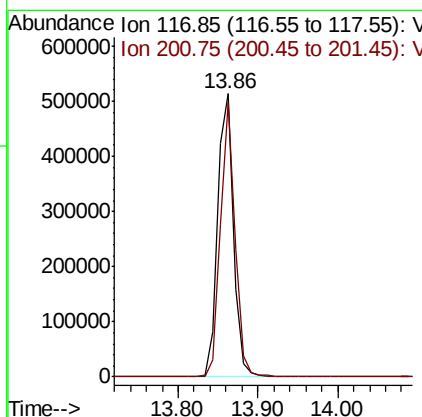
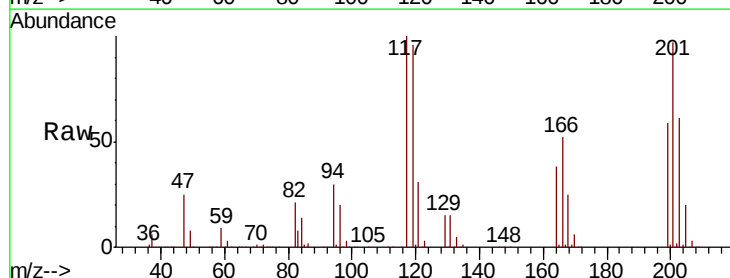
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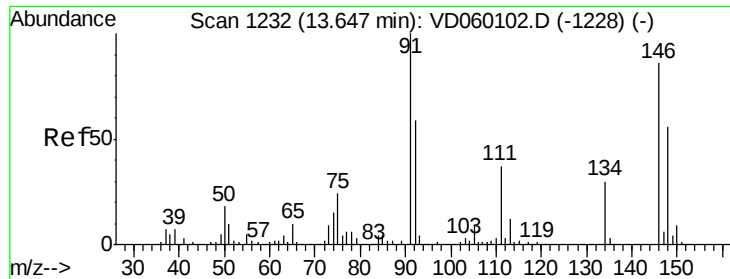
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#90
Hexachloroethane
Concen: 56.555 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion: 117 Resp: 725407
Ion Ratio Lower Upper
117 100
201 96.7 34.8 104.5





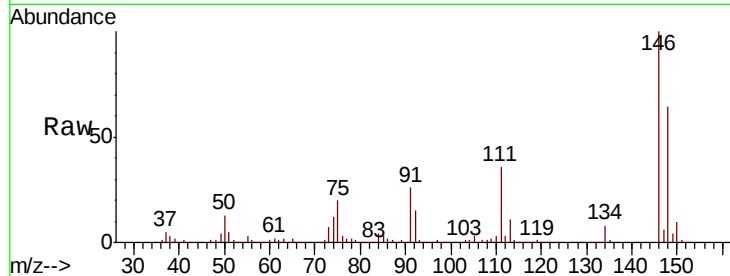
#91
 1,2-Dichlorobenzene
 Concen: 51.229 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

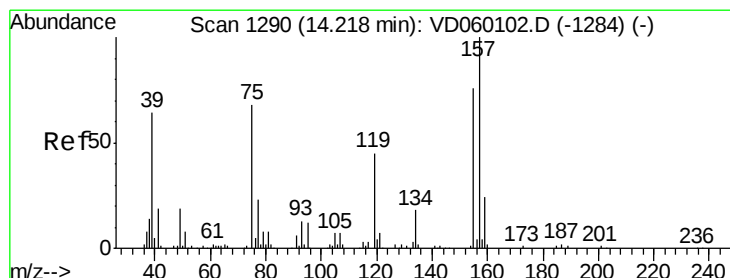
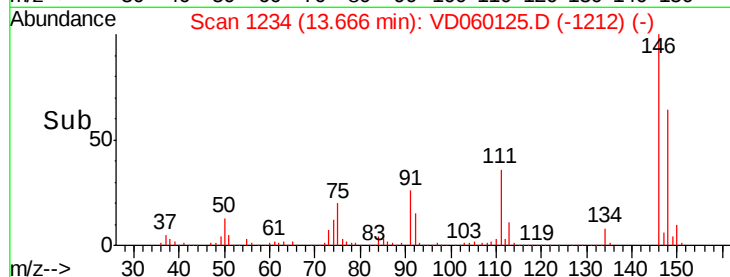
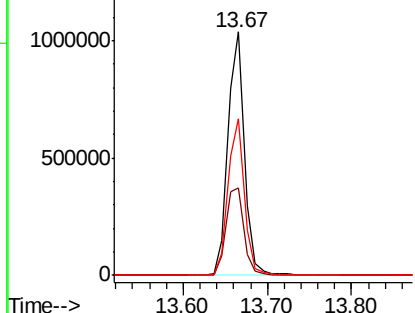
Tot Ion:146 Resp: 1403279
 Ion Ratio Lower Upper
 146 100
 111 35.7 21.4 64.3
 148 64.3 32.2 96.6

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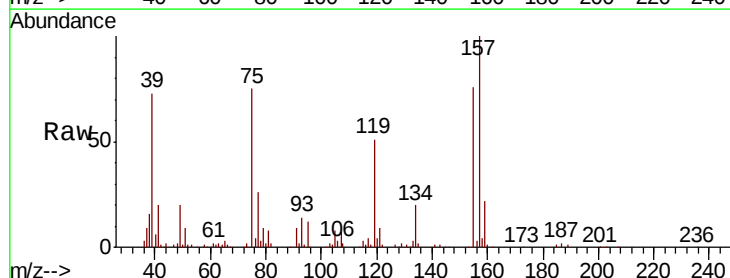


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

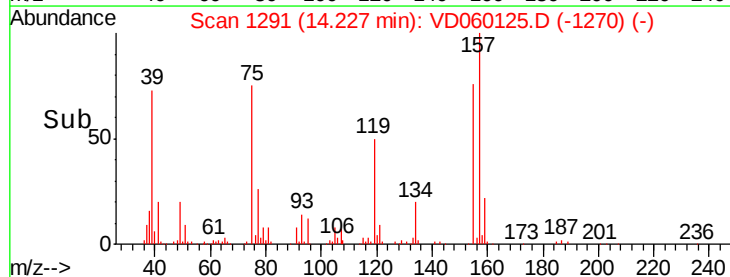
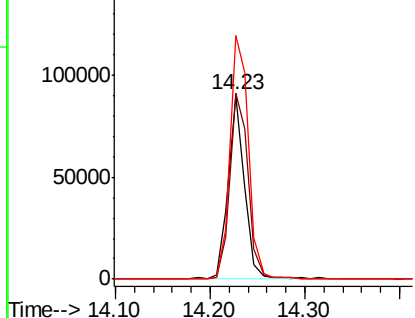


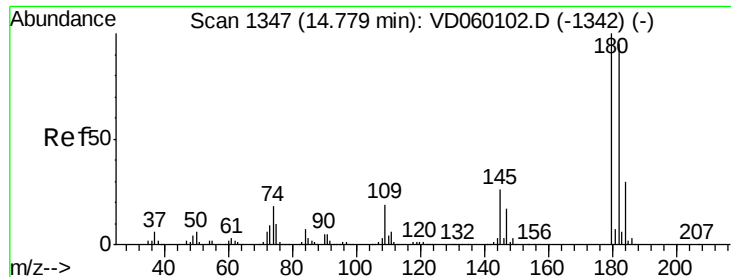
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.390 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.01 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion: 75 Resp: 107644
 Ion Ratio Lower Upper
 75 100
 155 101.3 55.9 167.7
 157 132.6 73.3 219.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V





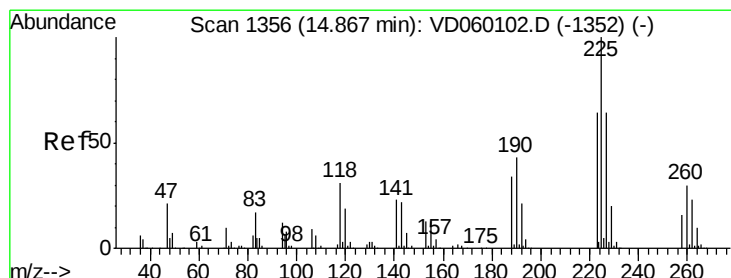
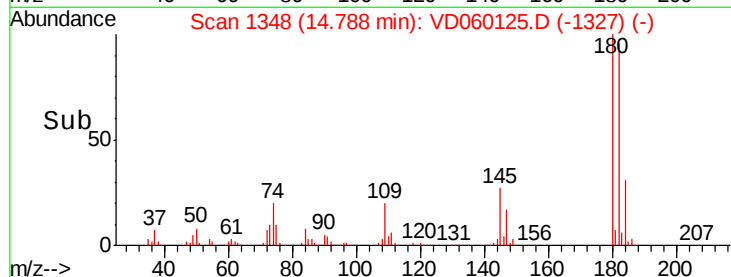
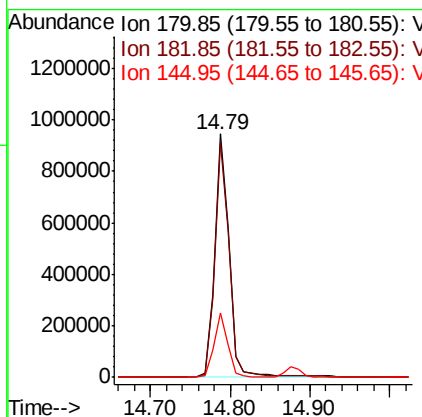
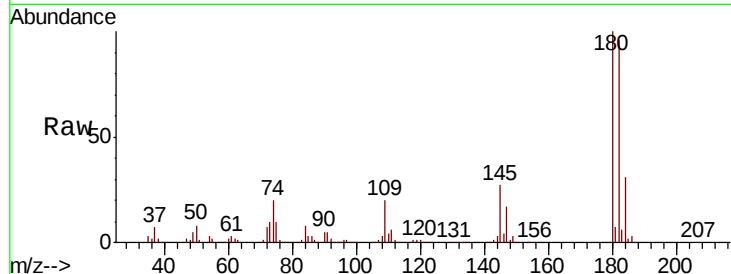
#93
 1,2,4-Trichlorobenzene
 Concen: 52.190 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	26.7	13.0	38.9

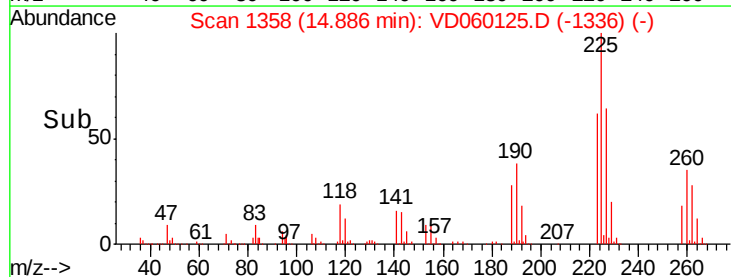
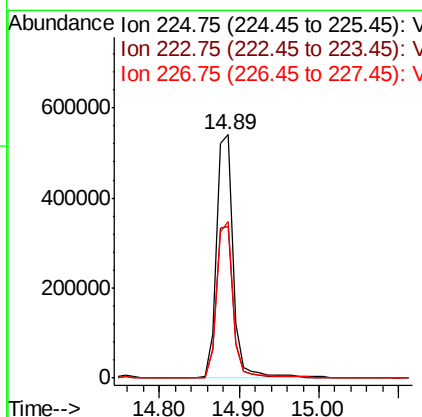
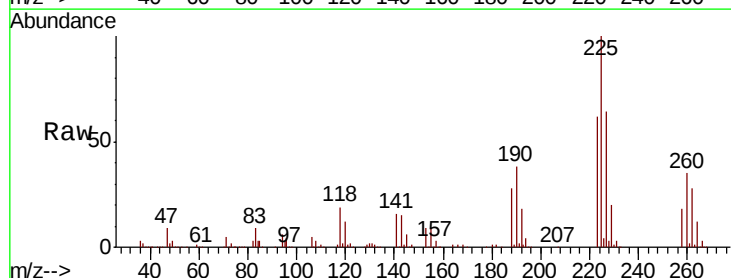
Manual Integrations
 APPROVED

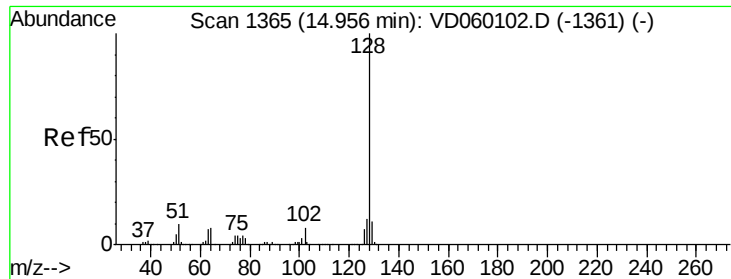
apatel
 10/5/2018 12:20:14 PM



#94
 Hexachlorobutadiene
 Concen: 52.677 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. 0.02 min
 Lab File: VD060125.D
 Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.8	95.4
227	64.3	32.0	96.0





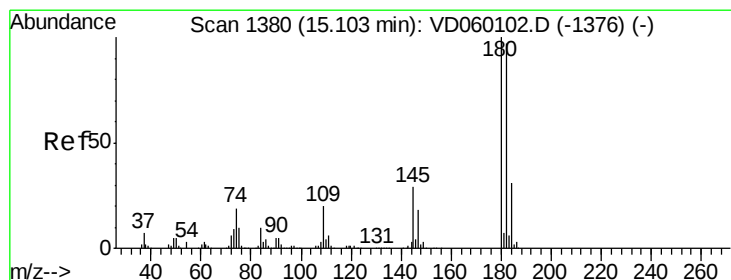
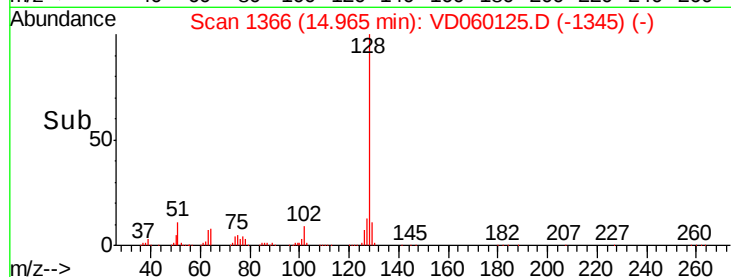
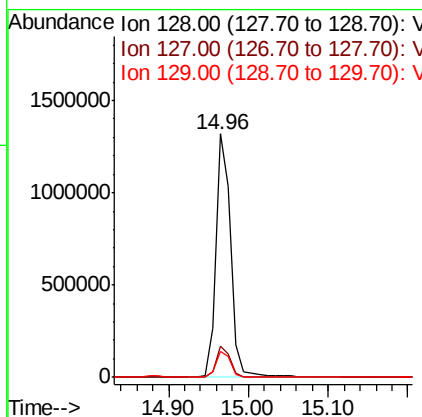
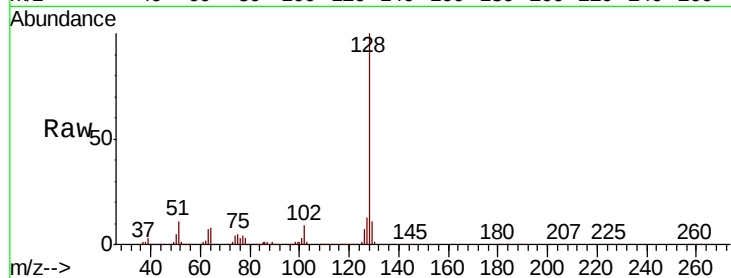
#95
Naphthalene
Concen: 50.045 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	9.9	14.9
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
10/5/2018 12:20:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.874 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060125.D
Acq: 4 Oct 2018 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.0
145	28.5	14.5	43.6

