

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060015.D
 Acq On : 17 Sep 2018 12:20
 Operator : JC/SY
 Sample : VD0917SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 17 13:52:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1532982	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.43	114	2073236	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.28	117	1737895	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	934394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	622992	52.11	ug/l	0.01
Spiked Amount			Recovery	=	104.22%	
35) Dibromofluoromethane	6.31	113	817649	50.48	ug/l	0.01
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	9.45	98	2360582	52.59	ug/l	0.01
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	12.42	95	900621	52.52	ug/l	0.01
Spiked Amount			Recovery	=	105.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	288163	17.808	ug/l	98
3) Chloromethane	1.74	50	303944	21.264	ug/l	99
4) Vinyl Chloride	1.83	62	244390	21.268	ug/l	98
5) Bromomethane	2.12	94	20655	15.186	ug/l	99
6) Chloroethane	2.23	64	62893	24.482	ug/l	99
7) Trichlorofluoromethane	2.48	101	280173	22.147	ug/l	98
8) Diethyl Ether	2.81	74	56802	21.122	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.06	101	176523	22.128	ug/l	100
10) Methyl Iodide	3.23	142	176027	20.834	ug/l	90
11) Tert butyl alcohol	3.96	59	86648	89.825	ug/l #	92
12) 1,1-Dichloroethene	3.05	96	140245	22.234	ug/l	96
13) Acrolein	2.96	56	58322	97.633	ug/l	98
14) Allyl chloride	3.52	41	288594	21.695	ug/l	98
15) Acrylonitrile	4.07	53	372342	102.258	ug/l	97
16) Acetone	3.14	43	261865	113.455	ug/l	96
17) Carbon Disulfide	3.29	76	460574	21.193	ug/l	98
18) Methyl Acetate	3.54	43	93766	19.976	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	601878	20.652	ug/l	99
20) Methylene Chloride	3.69	84	401585	20.149	ug/l	97
21) trans-1,2-Dichloroethene	4.08	96	339293	20.498	ug/l	90
22) Diisopropyl ether	4.83	45	1291713	21.288	ug/l	96
23) Vinyl Acetate	4.79	43	3635773	105.767	ug/l	99
24) 1,1-Dichloroethane	4.74	63	564071	20.715	ug/l	99
25) 2-Butanone	5.60	43	696700	111.860	ug/l	100
26) 2,2-Dichloropropane	5.57	77	448389	21.181	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	359807	20.781	ug/l	96
28) Bromochloromethane	5.91	49	267142	20.410	ug/l	99
29) Tetrahydrofuran	5.94	42	336506	100.745	ug/l	99
30) Chloroform	6.08	83	561522	20.335	ug/l	100
31) Cyclohexane	6.35	56	533271	20.086	ug/l	100
32) 1,1,1-Trichloroethane	6.28	97	459354	20.057	ug/l	99
36) 1,1-Dichloropropene	6.51	75	439918	21.361	ug/l	98
37) Ethyl Acetate	5.68	43	295621	20.874	ug/l	98
38) Carbon Tetrachloride	6.49	117	409941	21.324	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	498850	21.413	ug/l	98
40) Benzene	6.78	78	1139664	21.712	ug/l	98
41) Methacrylonitrile	5.94	41	340850	45.952	ug/l #	82
42) 1,2-Dichloroethane	6.88	62	327193	20.760	ug/l	98
43) Isopropyl Acetate	8.34	43	374839	19.768	ug/l #	99
44) Trichloroethene	7.73	130	340584	21.001	ug/l	98
45) 1,2-Dichloropropane	8.09	63	301711	21.496	ug/l	99
46) Dibromomethane	8.21	93	188026	20.531	ug/l	93
47) Bromodichloromethane	8.49	83	416245	21.082	ug/l	99
48) Methyl methacrylate	8.24	41	213731	20.238	ug/l	98
49) 1,4-Dioxane	8.22	88	39687	378.359	ug/l	99
51) 4-Methyl-2-Pentanone	9.33	43	1526098	110.379	ug/l	98
52) Toluene	9.54	92	720388	21.411	ug/l	99
53) t-1,3-Dichloropropene	9.91	75	377986	20.526	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	456671	20.756	ug/l	96
55) 1,1,2-Trichloroethane	10.18	97	234708	20.092	ug/l	97
56) Ethyl methacrylate	10.03	69	262135	20.231	ug/l	98
57) 1,3-Dichloropropane	10.37	76	356575	20.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.92	63	701791	112.163	ug/l	99
59) 2-Hexanone	10.48	43	1109141	111.562	ug/l	97
60) Dibromochloromethane	10.63	129	296928	20.883	ug/l	98
61) 1,2-Dibromoethane	10.75	107	248410	20.596	ug/l	93
64) Tetrachloroethene	10.25	164	312309	20.368	ug/l	98
65) Chlorobenzene	11.31	112	794064	21.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	272301	21.607	ug/l	99
67) Ethyl Benzene	11.43	91	1331437	22.143	ug/l	99
68) m/p-Xylenes	11.57	106	1035074	46.610	ug/l	97
69) o-Xylene	11.93	106	481953	21.903	ug/l	98
70) Styrene	11.95	104	825983	22.325	ug/l	96
71) Bromoform	12.12	173	206351	19.058	ug/l	97
73) Isopropylbenzene	12.27	105	1297940	21.180	ug/l	99
74) N-amyl acetate	12.13	43	483585	19.922	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.56	83	288720	20.768	ug/l	100
76) 1,2,3-Trichloropropane	12.60	75	288507	20.217	ug/l	96
77) Bromobenzene	12.54	156	372731	21.115	ug/l	94
78) n-propylbenzene	12.64	91	1665959	21.618	ug/l	99
79) 2-Chlorotoluene	12.71	91	905158	20.810	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	1030699	21.943	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.34	75	82599	19.174	ug/l	97
82) 4-Chlorotoluene	12.81	91	1012904	21.181	ug/l	98
83) tert-Butylbenzene	13.04	119	1143914	21.022	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	1085789	21.662	ug/l	100
85) sec-Butylbenzene	13.22	105	1392371	21.556	ug/l	98
86) p-Isopropyltoluene	13.34	119	1151667	22.044	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	670239	21.834	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	659041	21.166	ug/l	97
89) n-Butylbenzene	13.64	91	1188529	21.143	ug/l	96
90) Hexachloroethane	13.86	117	263725	20.381	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	576993	20.298	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.22	75	38023	17.941	ug/l	97

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Quant Time: Sep 17 13:52:25 2018
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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

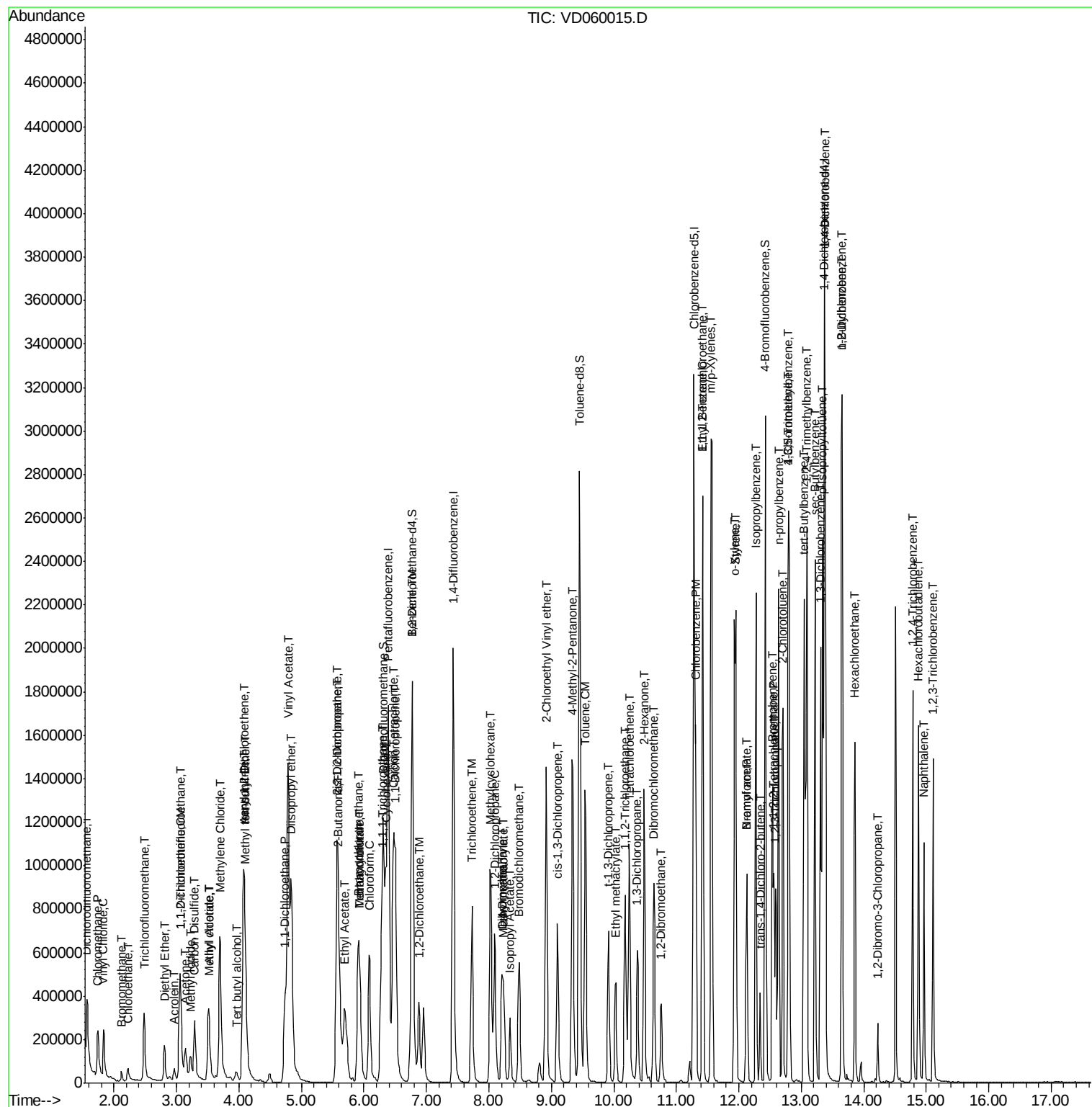
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	455454	20.820	ug/l	98
94) Hexachlorobutadiene	14.88	225	309098	21.360	ug/l	99
95) Naphthalene	14.96	128	664429	19.667	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	390347	20.248	ug/l	97

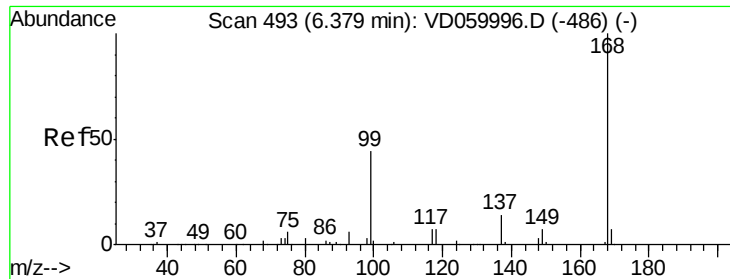
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

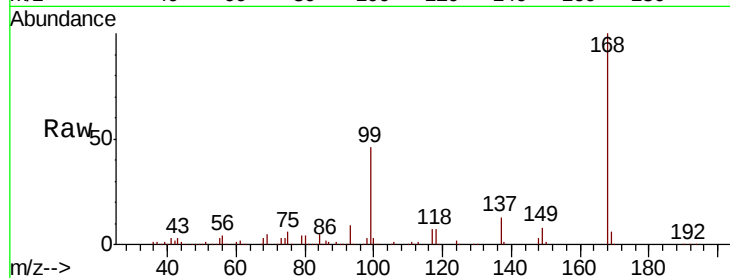
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1532982

Ion Ratio Lower Upper

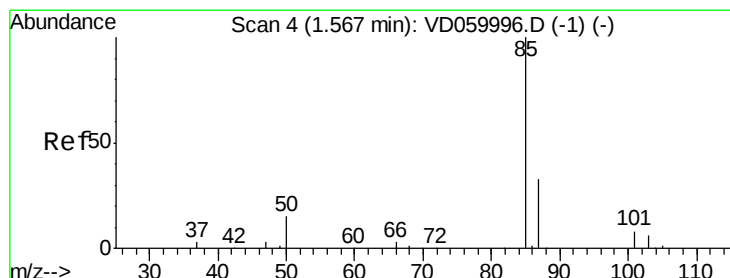
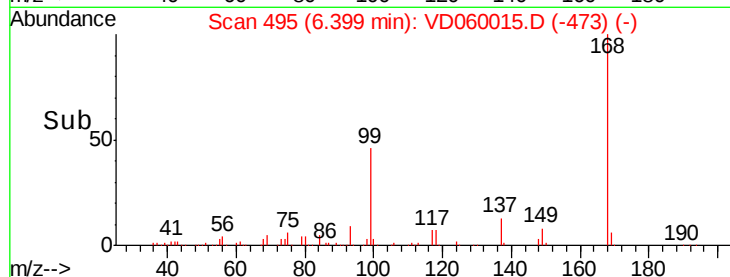
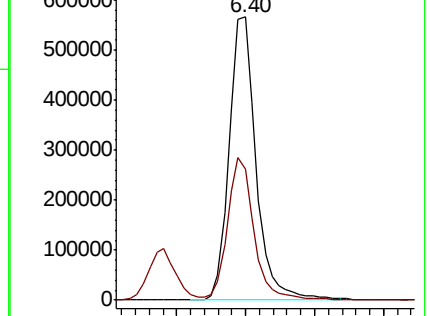
168 100

99 46.5 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.808 ug/l

RT: 1.57 min Scan# 4

Delta R.T. 0.00 min

Lab File: VD060015.D

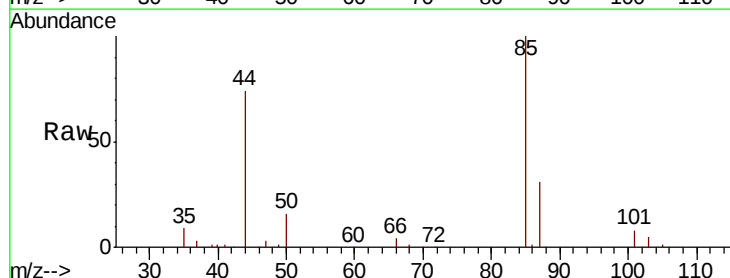
Acq: 17 Sep 2018 12:20

Tgt Ion: 85 Resp: 288163

Ion Ratio Lower Upper

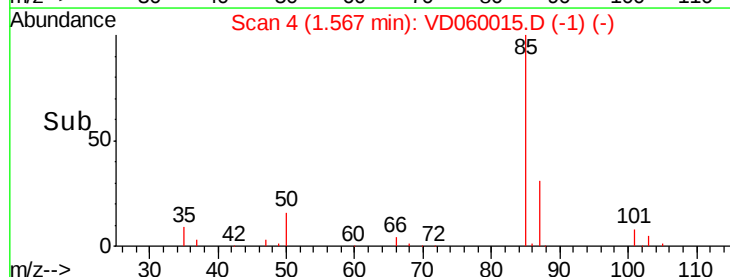
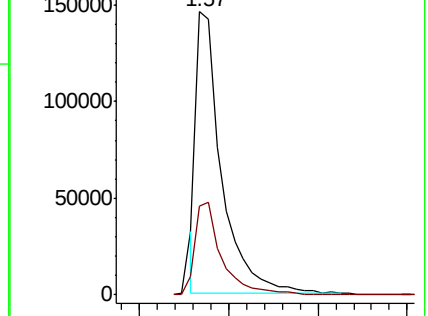
85 100

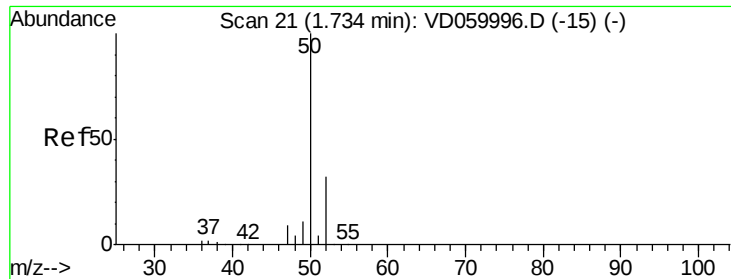
87 31.4 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.264 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

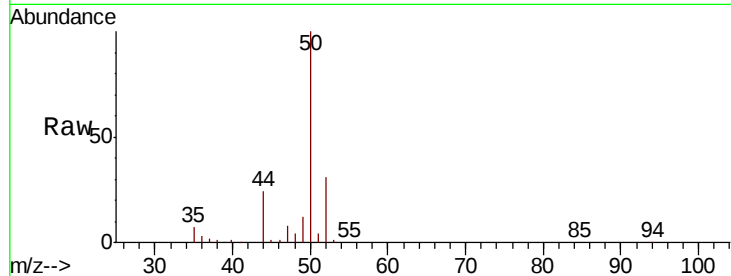
ClientSampled :

Tot Ion: 50 Resp: 303944

Ion Ratio Lower Upper

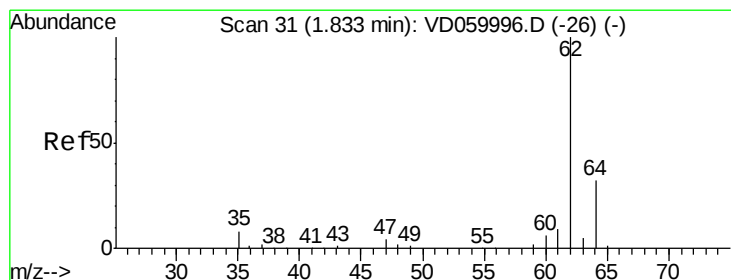
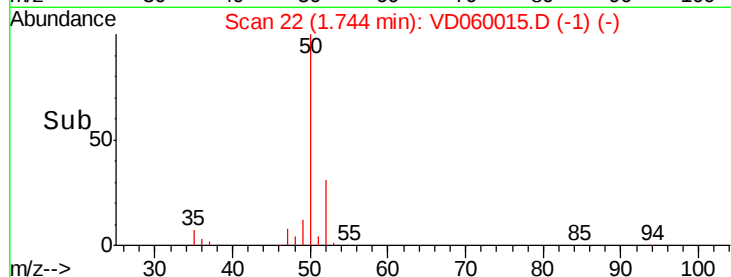
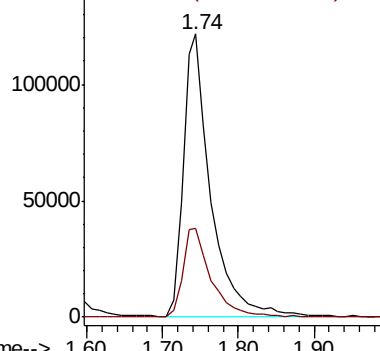
50 100

52 31.2 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.268 ug/l

RT: 1.83 min Scan# 31

Delta R.T. 0.00 min

Lab File: VD060015.D

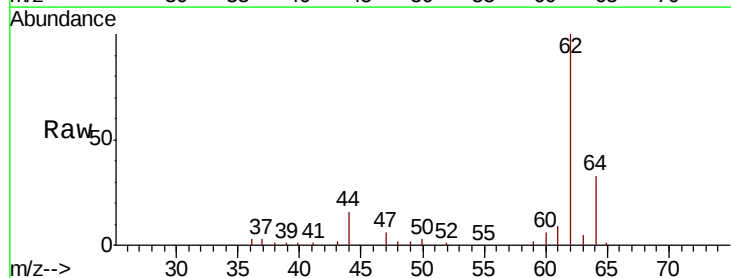
Acq: 17 Sep 2018 12:20

Tgt Ion: 62 Resp: 244390

Ion Ratio Lower Upper

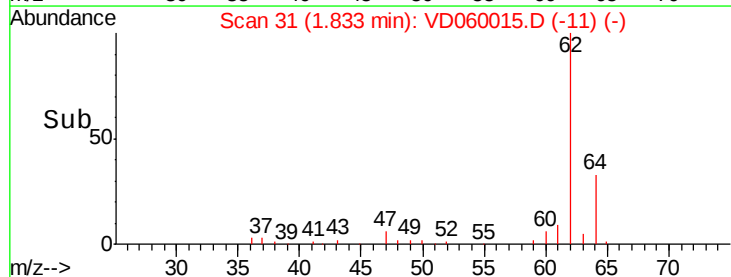
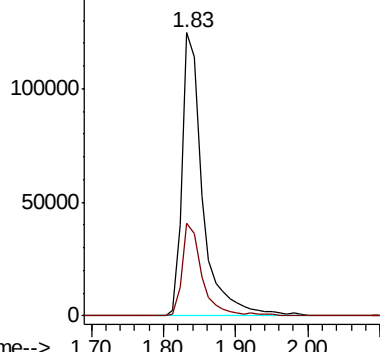
62 100

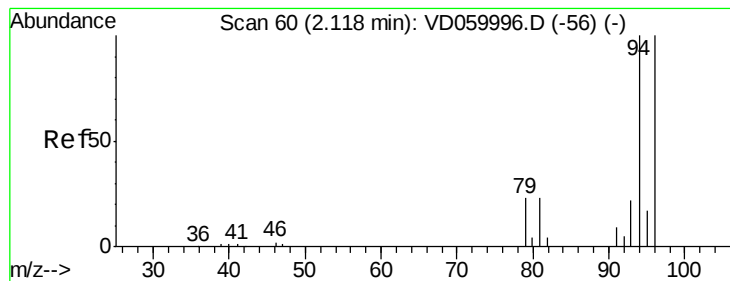
64 32.8 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.186 ug/l

RT: 2.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

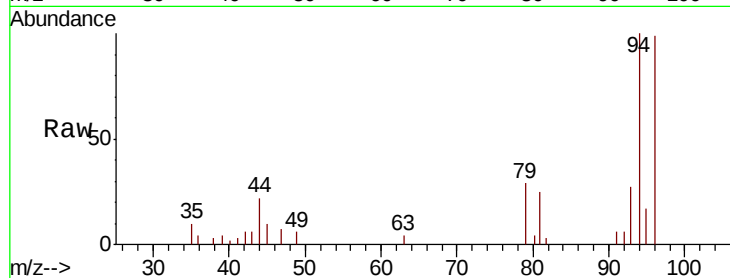
ClientSampleId :

Tot Ion: 94 Resp: 20655

Ion Ratio Lower Upper

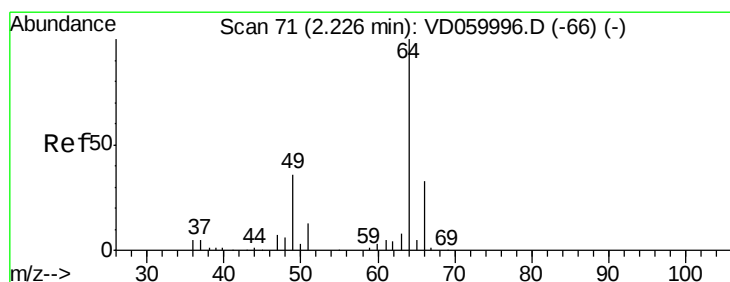
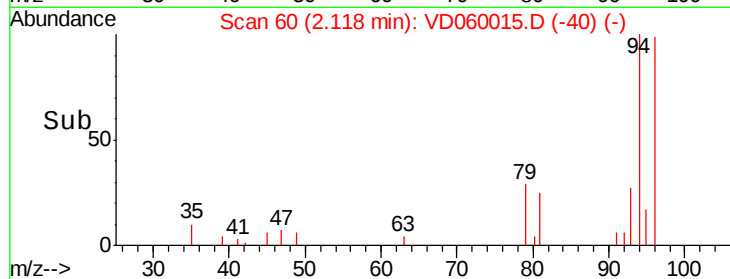
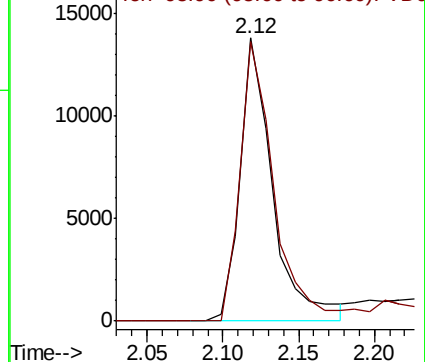
94 100

96 99.0 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 24.482 ug/l

RT: 2.23 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD060015.D

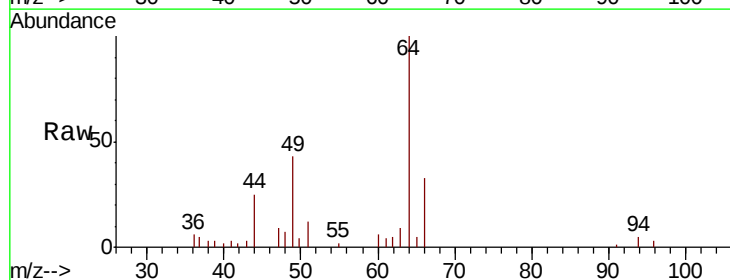
Acq: 17 Sep 2018 12:20

Tgt Ion: 64 Resp: 62893

Ion Ratio Lower Upper

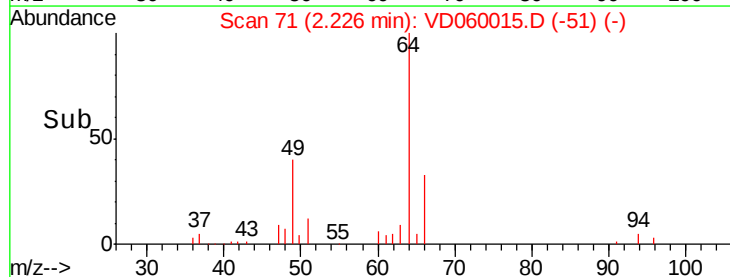
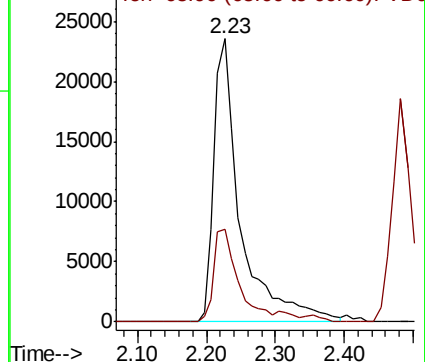
64 100

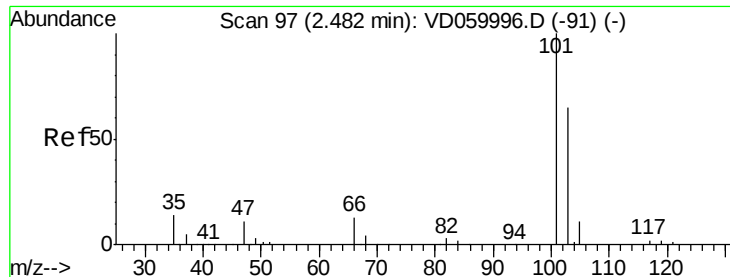
66 32.6 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



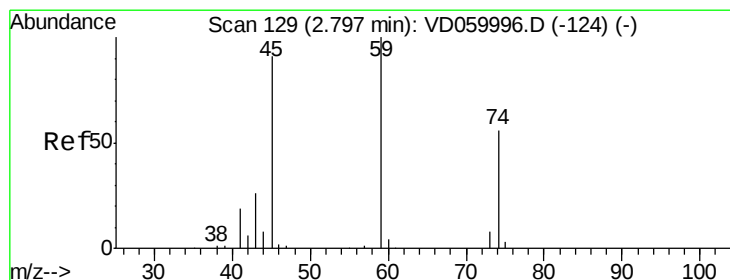
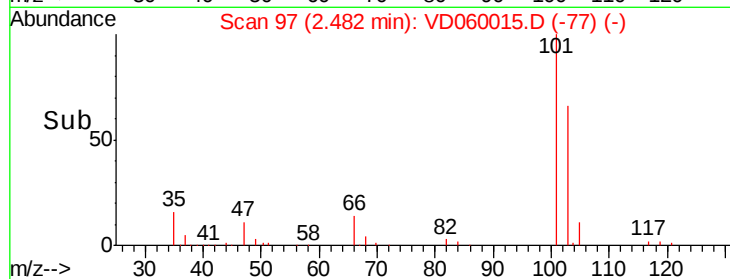
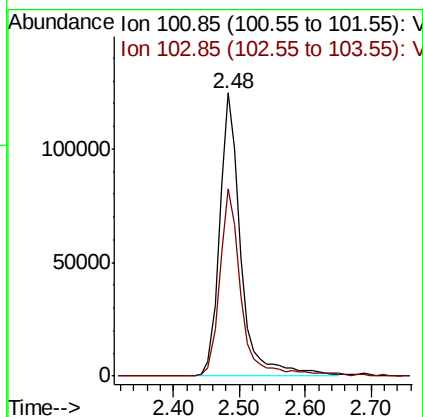
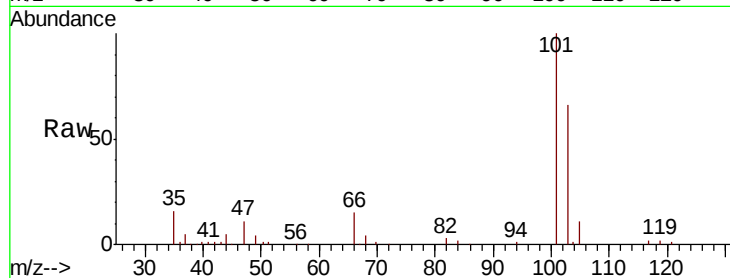


#7

Trichlorofluoromethane
 Concen: 22.147 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
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 ClientSampleId :

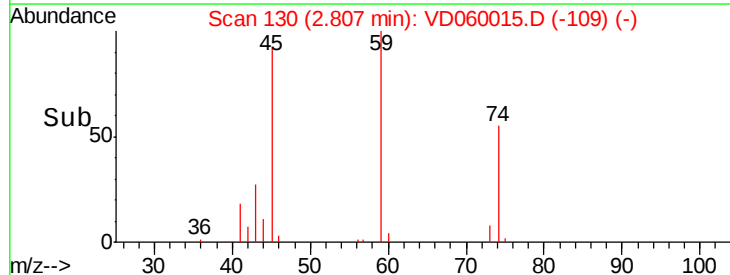
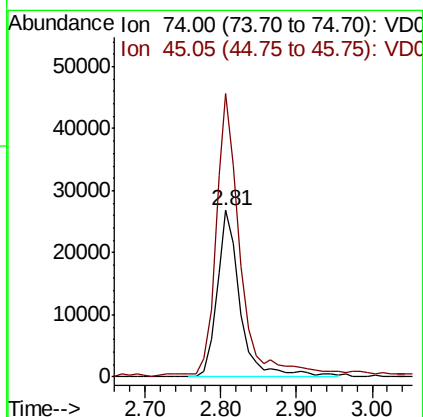
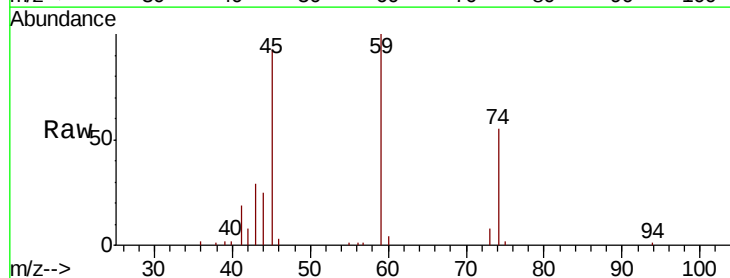
Tot Ion:101 Resp: 280173
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.6 77.4

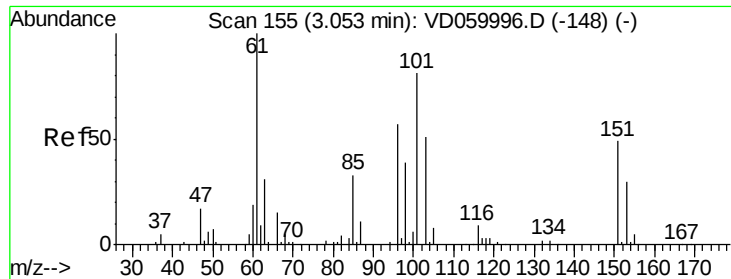


#8

Diethyl Ether
 Concen: 21.122 ug/l
 RT: 2.81 min Scan# 130
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 74 Resp: 56802
 Ion Ratio Lower Upper
 74 100
 45 169.8 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.128 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampled :

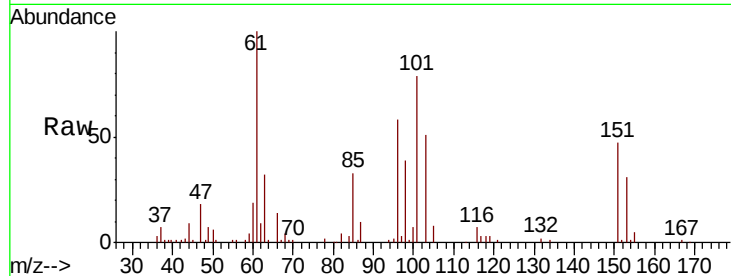
Tot Ion:101 Resp: 176523

Ion Ratio Lower Upper

101 100

85 41.3 33.1 49.7

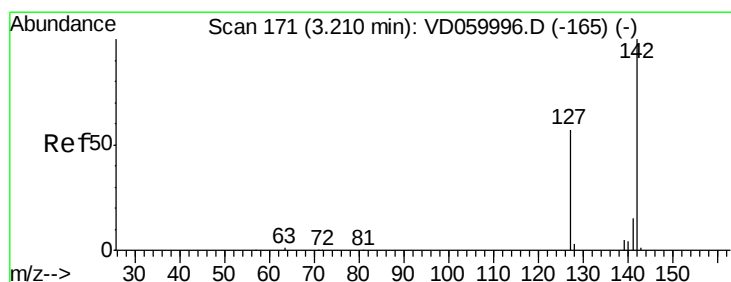
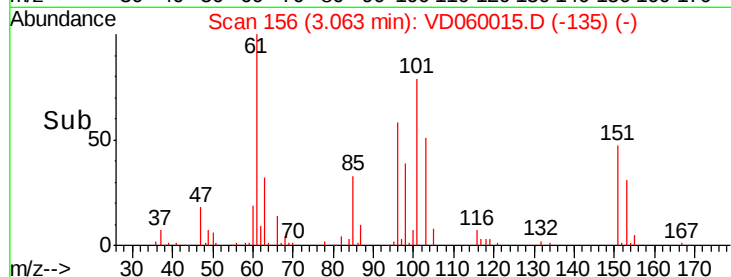
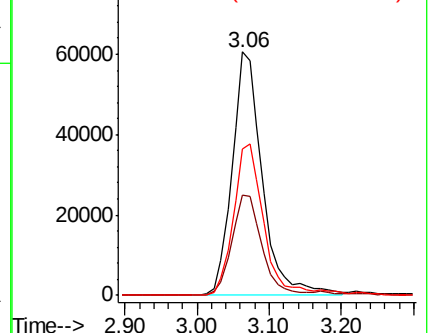
151 59.9 48.2 72.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 20.834 ug/l

RT: 3.23 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

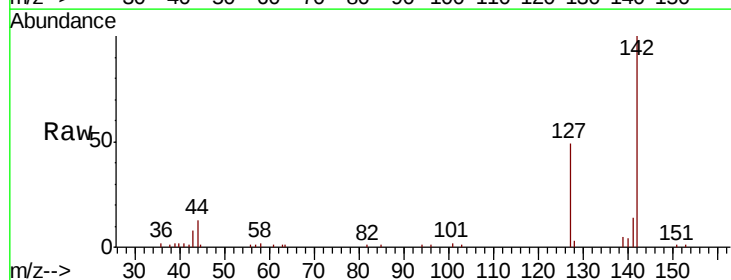
Tgt Ion:142 Resp: 176027

Ion Ratio Lower Upper

142 100

127 48.6 45.8 68.8

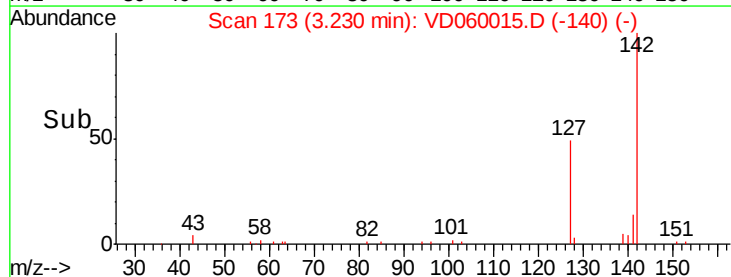
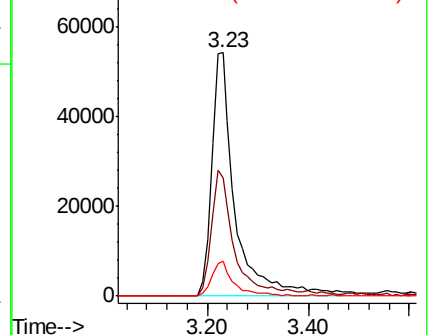
141 14.1 12.2 18.4

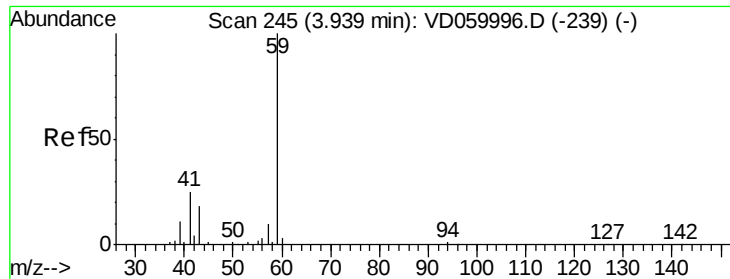


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

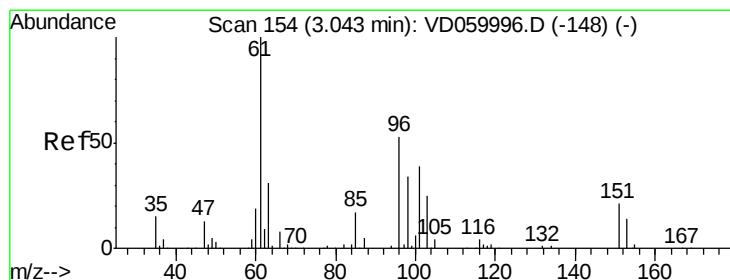
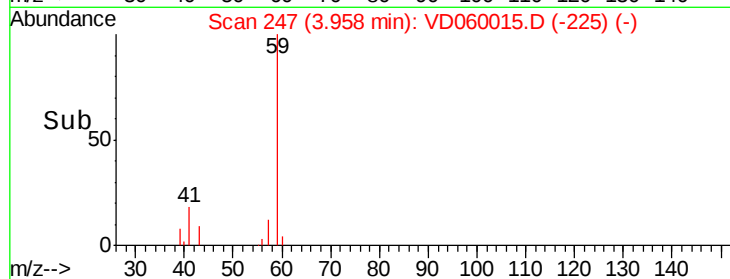
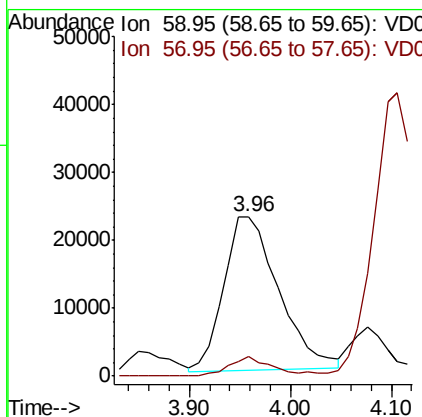
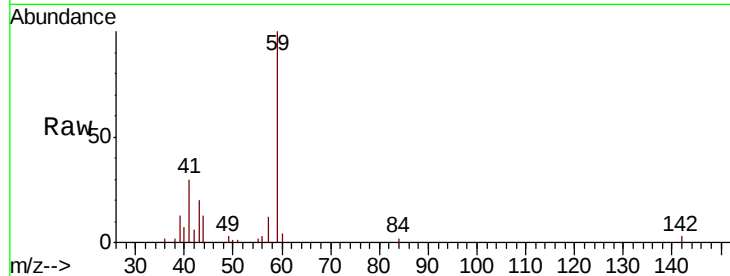




#11
Tert butyl alcohol
Concen: 89.825 ug/l
RT: 3.96 min Scan# 247
Delta R.T. 0.02 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

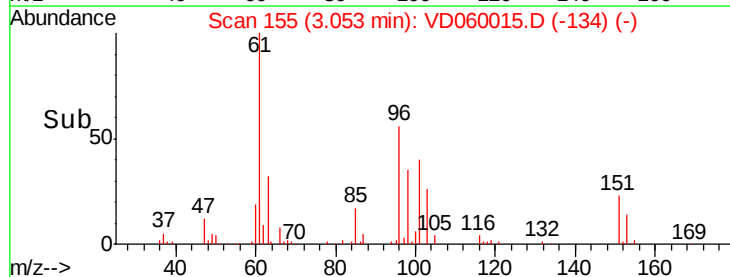
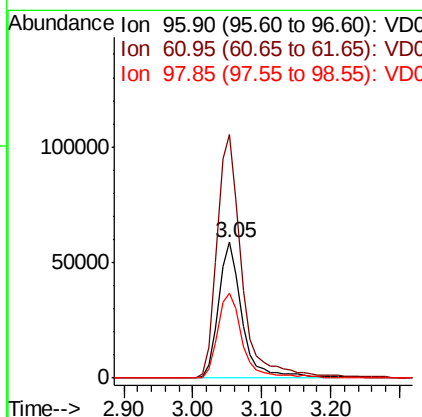
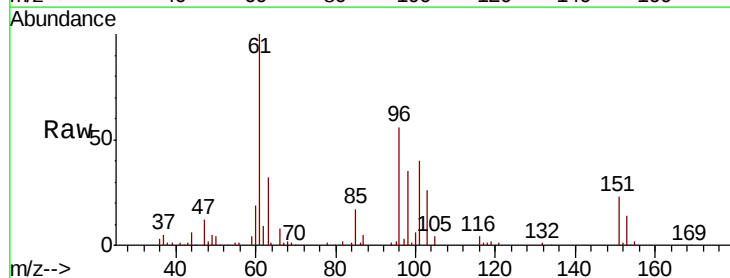
Instrument :
MSVOA_D
ClientSampled :

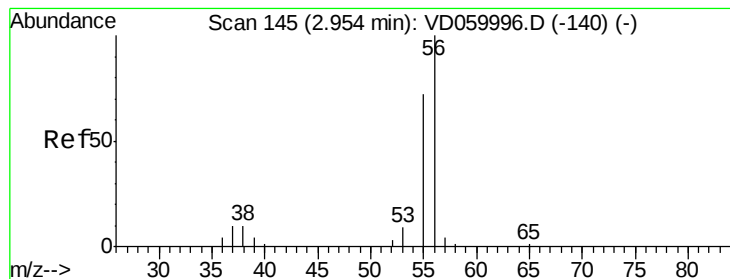
Tot Ion: 59 Resp: 86648
Ion Ratio Lower Upper
59 100
57 12.1 7.4 11.2#



#12
1,1-Dichloroethene
Concen: 22.234 ug/l
RT: 3.05 min Scan# 155
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 96 Resp: 140245
Ion Ratio Lower Upper
96 100
61 179.5 149.8 224.6
98 63.0 50.2 75.4





#13

Acrolein

Concen: 97.633 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

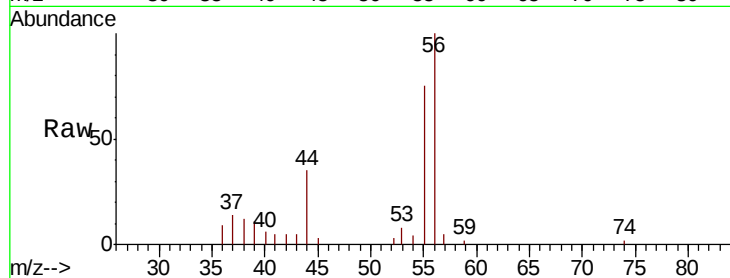
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 58322

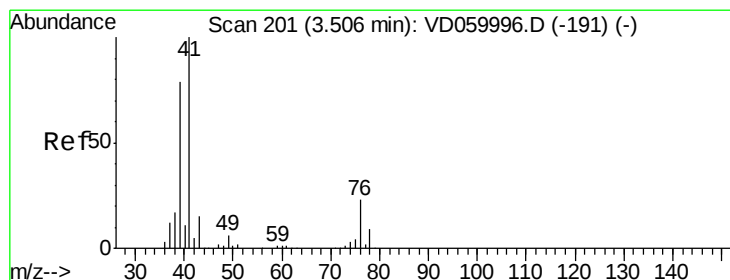
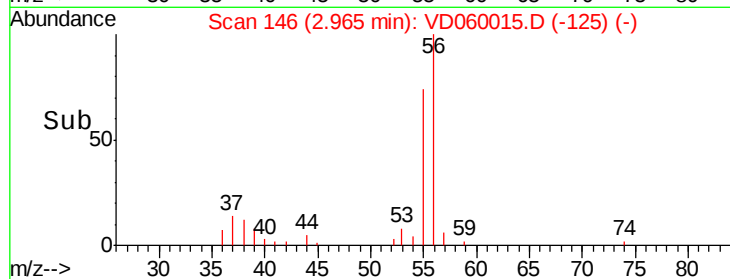
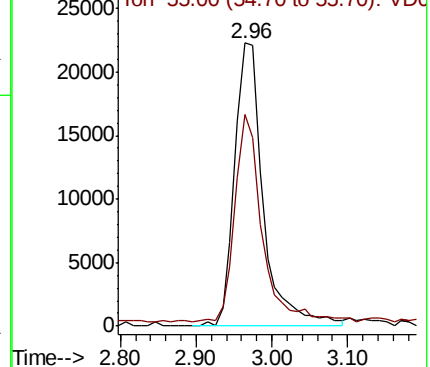
Ion Ratio Lower Upper

56 100

55 74.8 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.695 ug/l

RT: 3.52 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

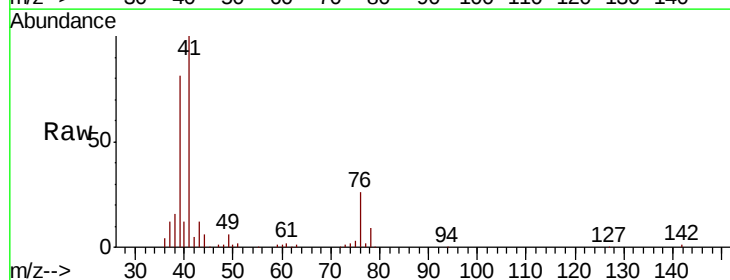
Tgt Ion: 41 Resp: 288594

Ion Ratio Lower Upper

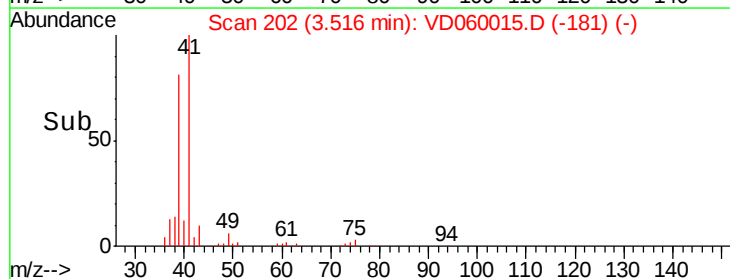
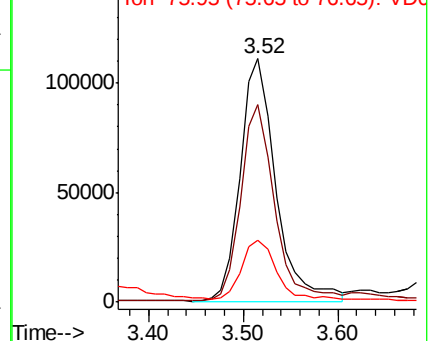
41 100

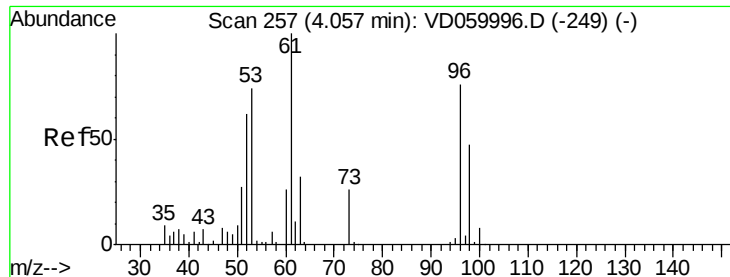
39 81.1 63.6 95.4

76 25.6 21.1 31.7



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: 102.258 ug/l

RT: 4.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :

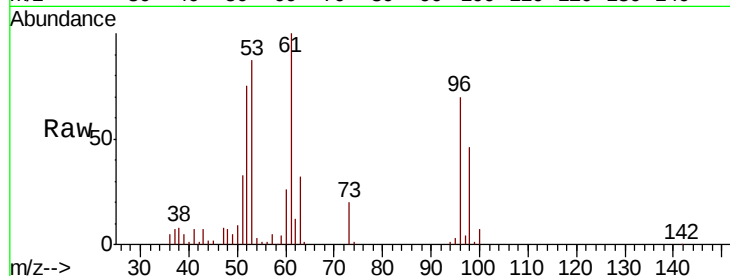
Tot Ion: 53 Resp: 372342

Ion Ratio Lower Upper

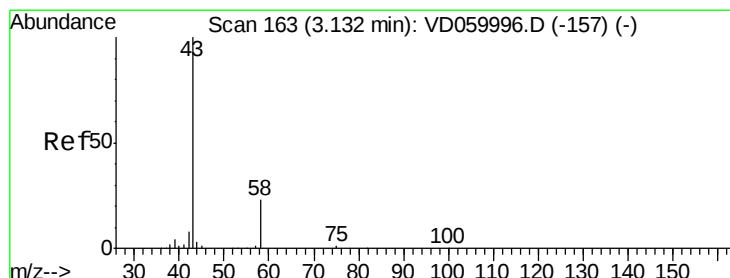
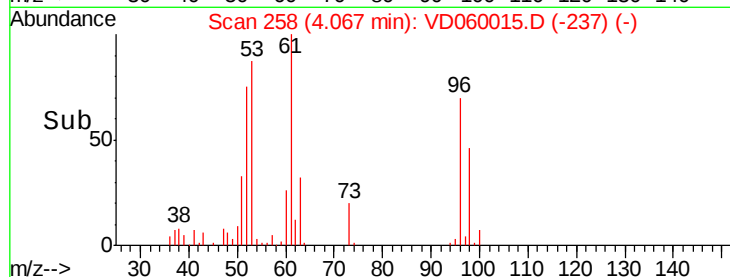
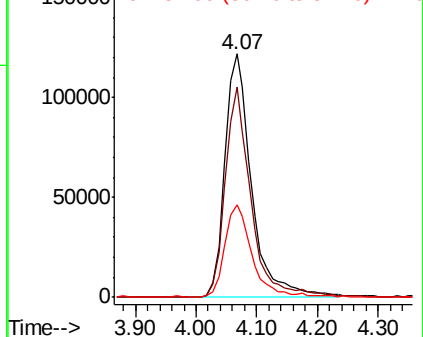
53 100

52 86.2 66.7 100.1

51 38.3 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 113.455 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD060015.D

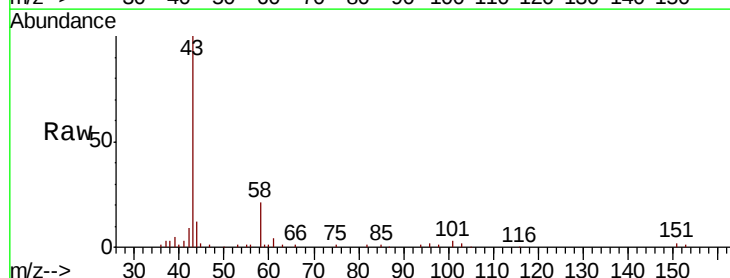
Acq: 17 Sep 2018 12:20

Tgt Ion: 43 Resp: 261865

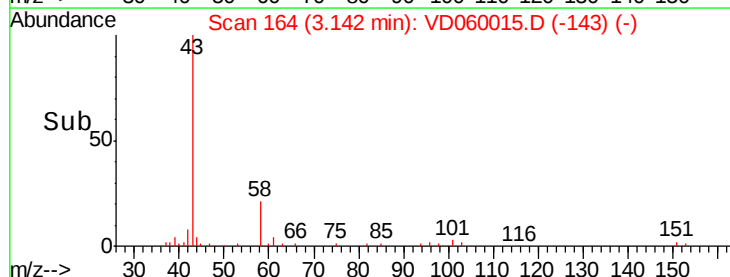
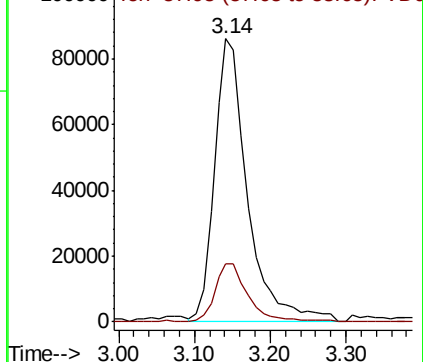
Ion Ratio Lower Upper

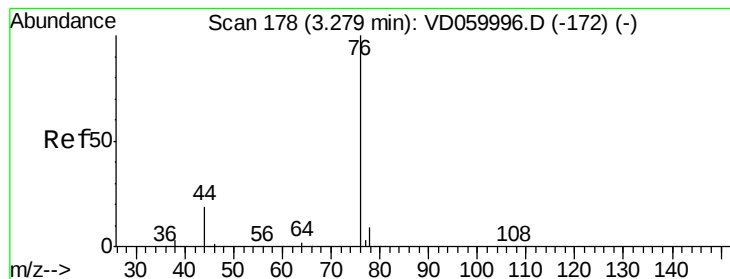
43 100

58 20.6 18.1 27.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 21.193 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

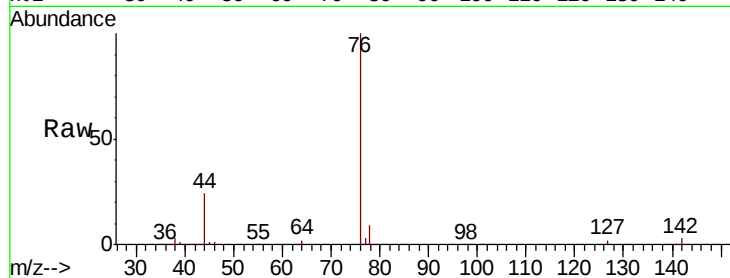
ClientSampleId :

Tot Ion: 76 Resp: 460574

Ion Ratio Lower Upper

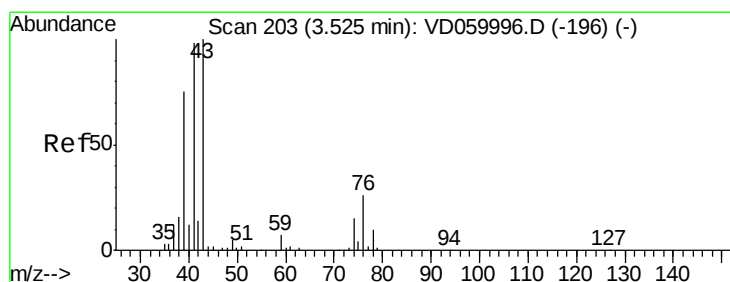
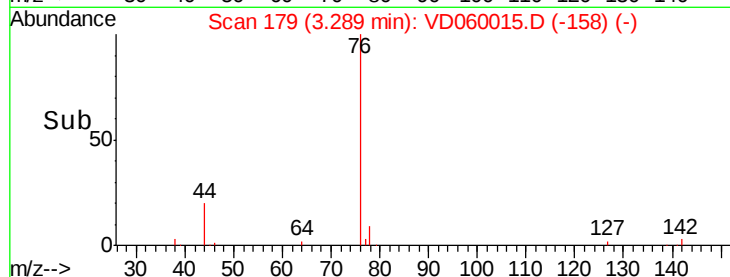
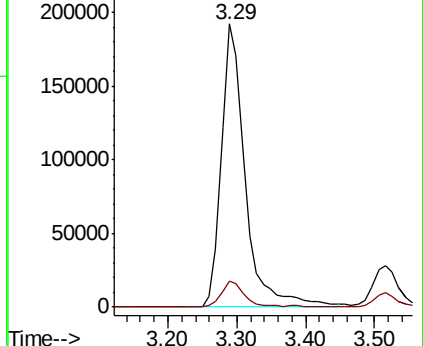
76 100

78 9.3 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 19.976 ug/l

RT: 3.54 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD060015.D

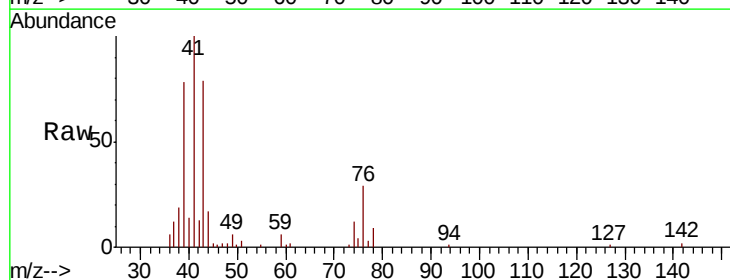
Acq: 17 Sep 2018 12:20

Tgt Ion: 43 Resp: 93766

Ion Ratio Lower Upper

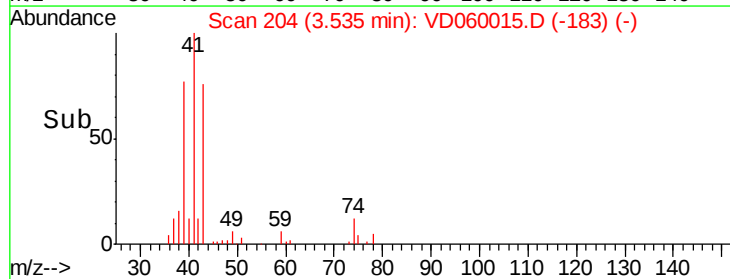
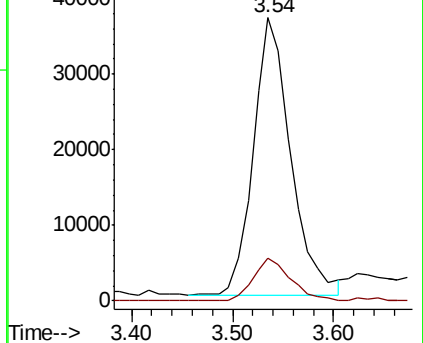
43 100

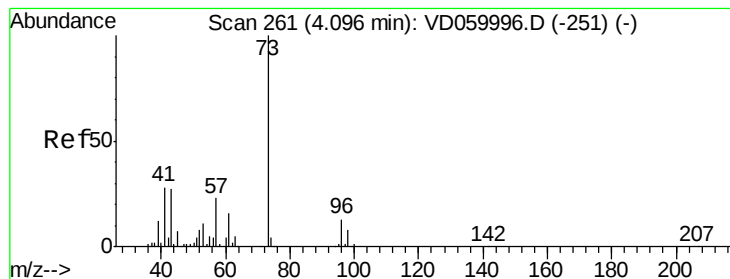
74 15.3 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



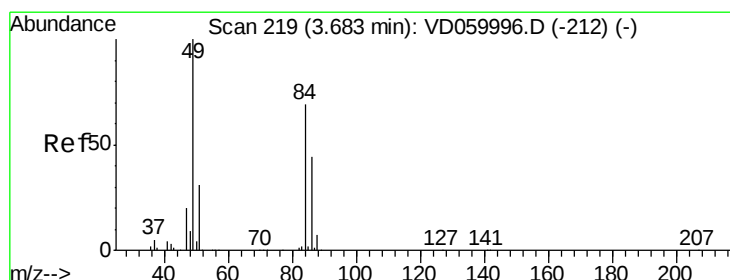
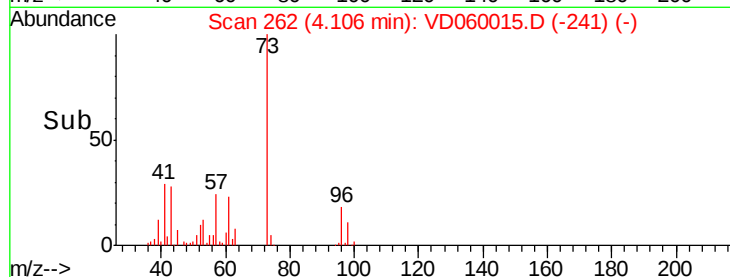
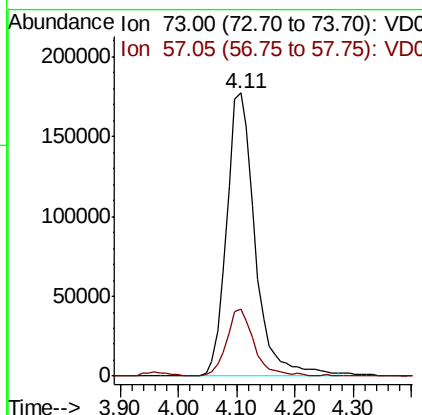
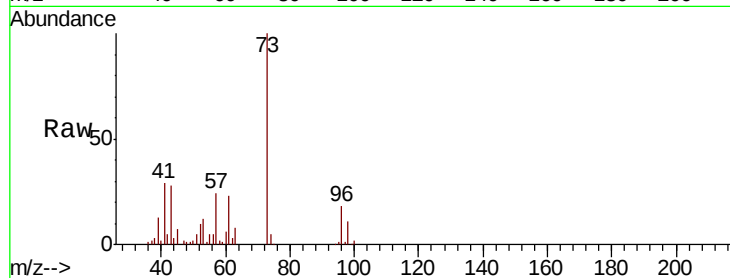


#19

Methyl tert-butyl Ether
 Concen: 20.652 ug/l
 RT: 4.11 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :

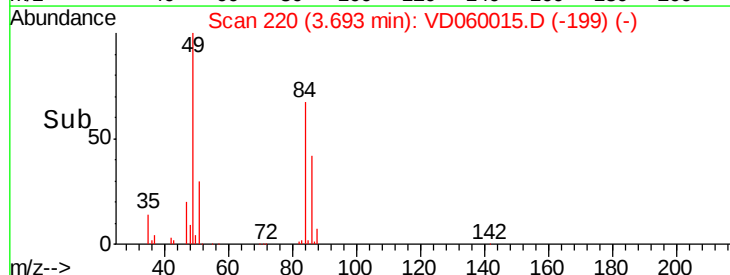
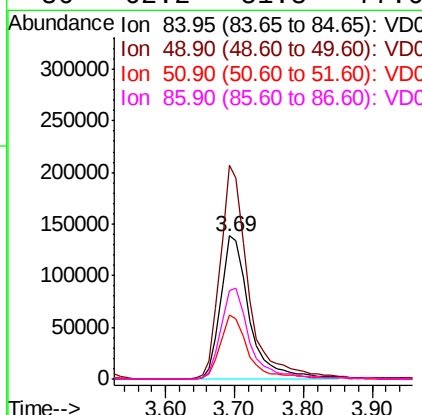
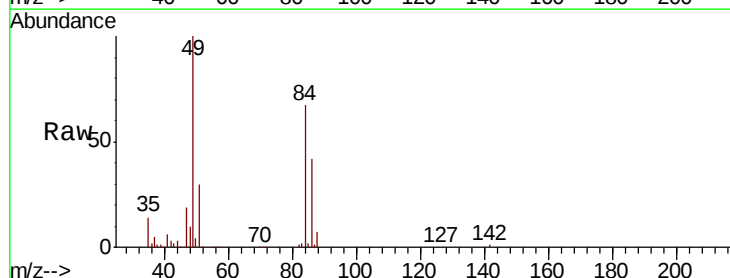
Tot Ion: 73 Resp: 601878
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.4 27.6

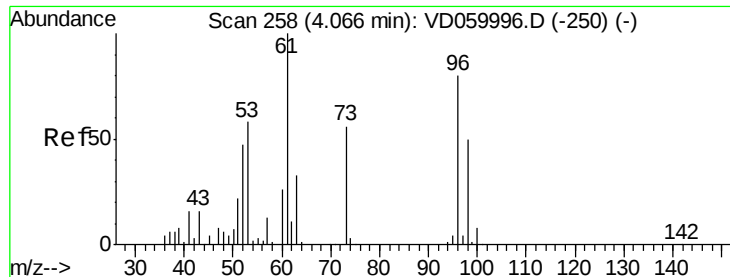


#20

Methylene Chloride
 Concen: 20.149 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 84 Resp: 401585
 Ion Ratio Lower Upper
 84 100
 49 149.4 116.6 175.0
 51 44.4 35.9 53.9
 86 62.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.498 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampled :

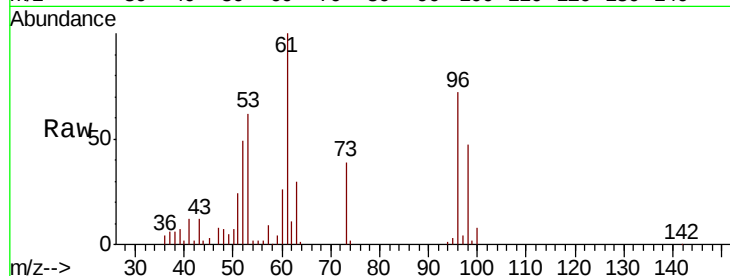
Tot Ion: 96 Resp: 339293

Ion Ratio Lower Upper

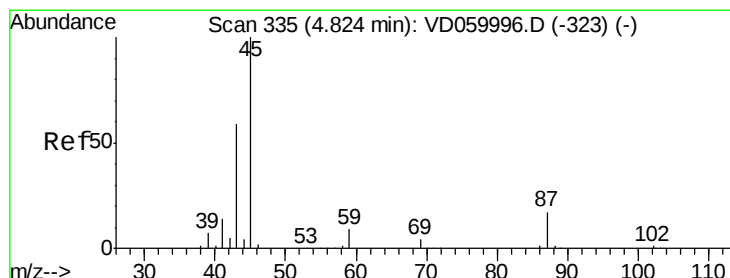
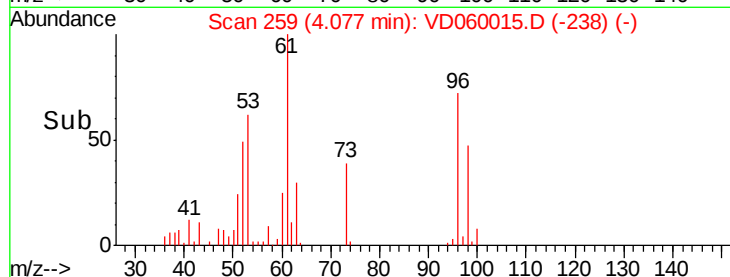
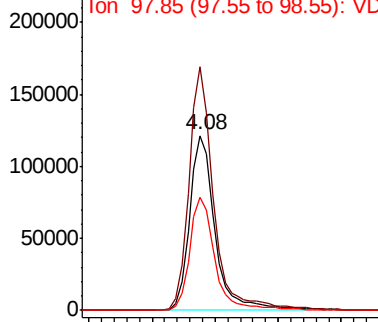
96 100

61 139.4 100.1 150.1

98 64.9 49.5 74.3



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: 21.288 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion: 45 Resp: 1291713

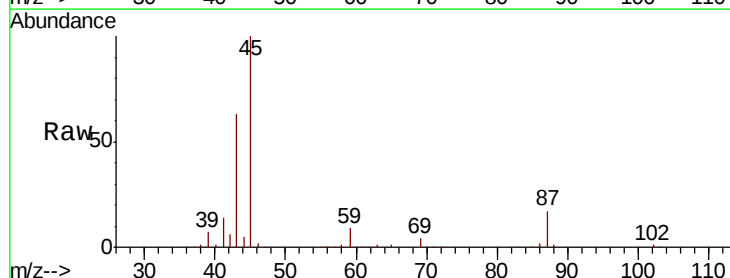
Ion Ratio Lower Upper

45 100

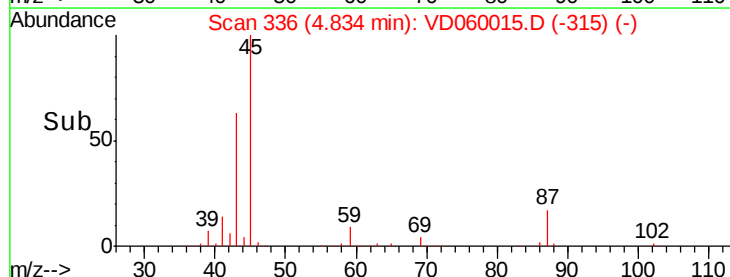
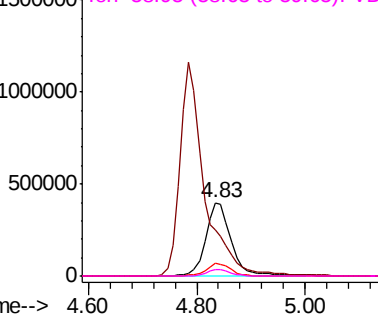
43 63.0 47.1 70.7

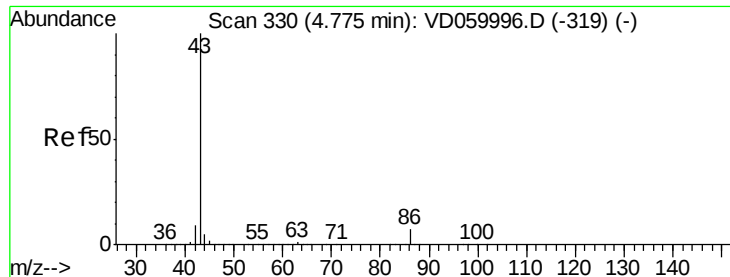
87 16.8 14.2 21.2

59 8.8 7.0 10.6



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: 105.767 ug/l

RT: 4.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

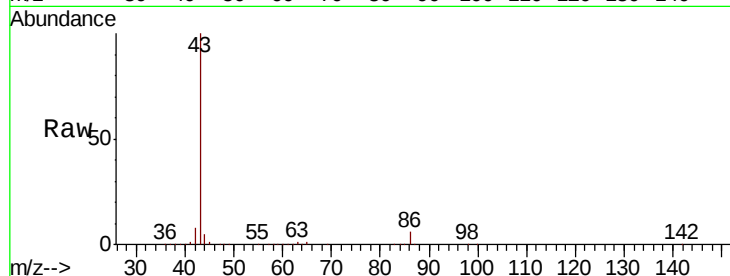
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3635773

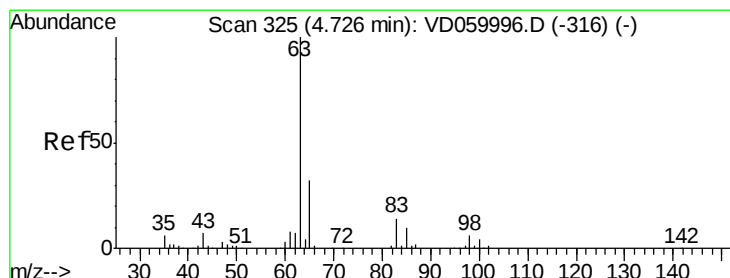
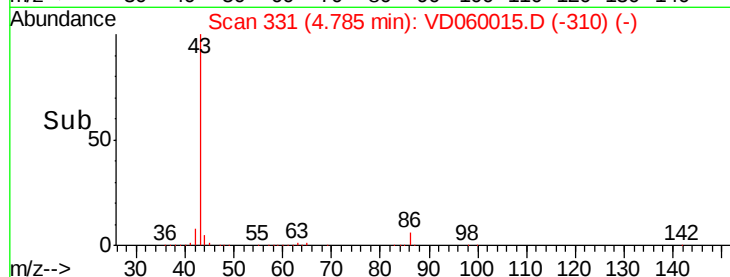
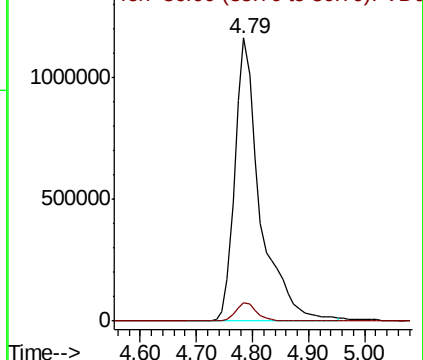
Ion Ratio Lower Upper

43 100

86 6.4 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.715 ug/l

RT: 4.74 min Scan# 326

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

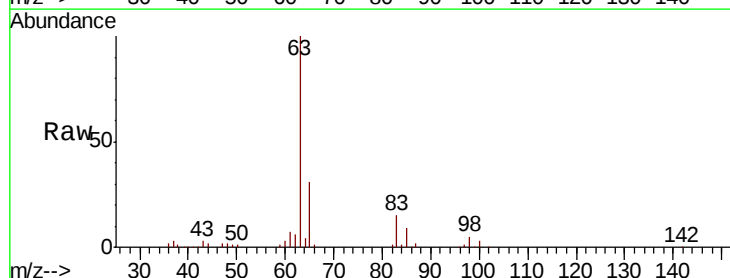
Tgt Ion: 63 Resp: 564071

Ion Ratio Lower Upper

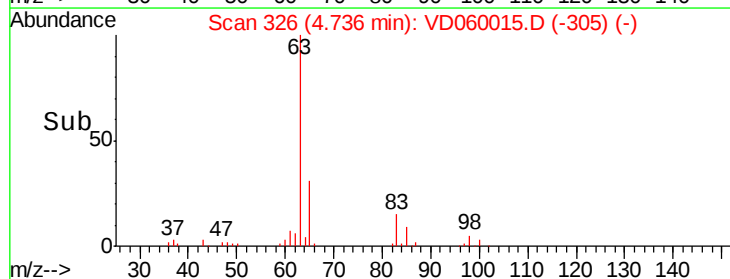
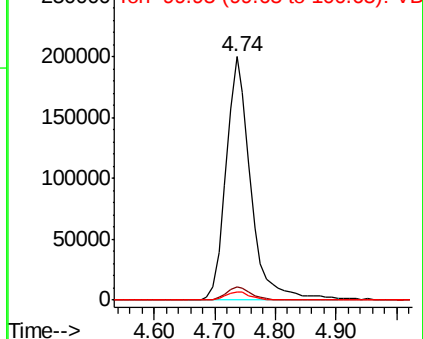
63 100

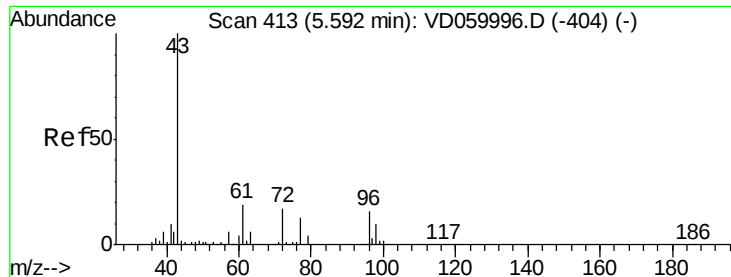
98 5.3 2.9 8.6

100 3.2 1.8 5.4



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: 111.860 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

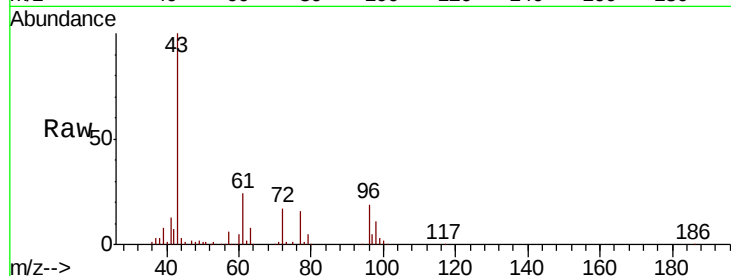
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 696700

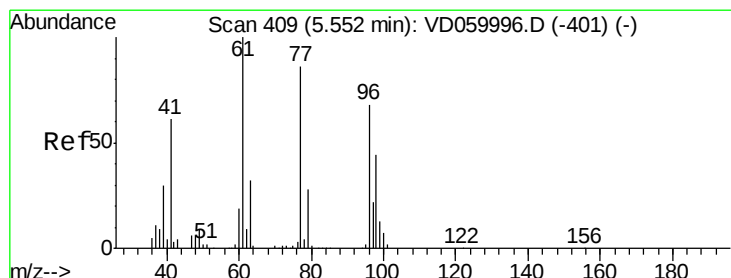
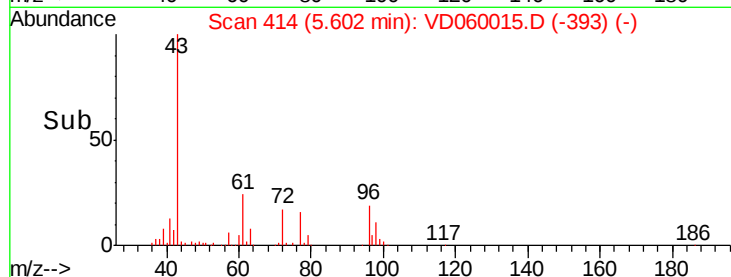
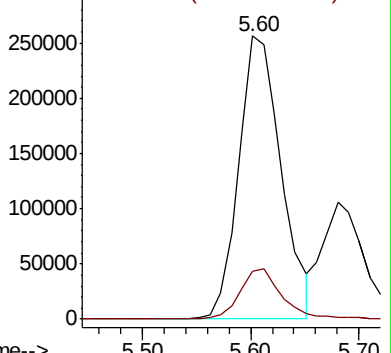
Ion Ratio Lower Upper

43 100

72 16.9 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 21.181 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.02 min

Lab File: VD060015.D

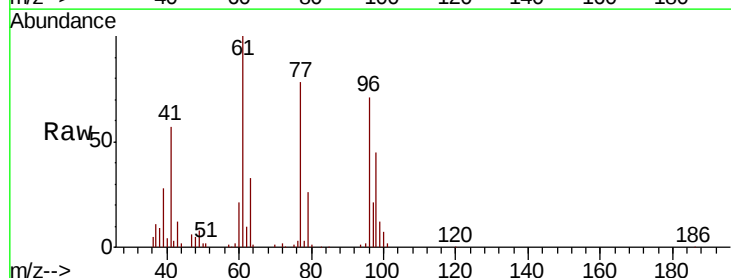
Acq: 17 Sep 2018 12:20

Tgt Ion: 77 Resp: 448389

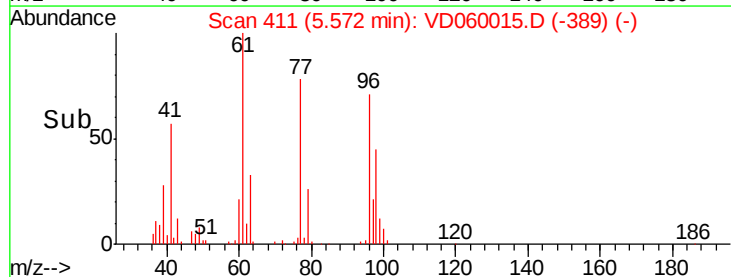
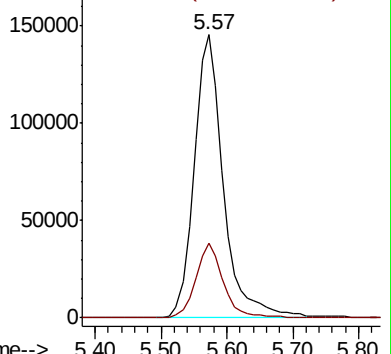
Ion Ratio Lower Upper

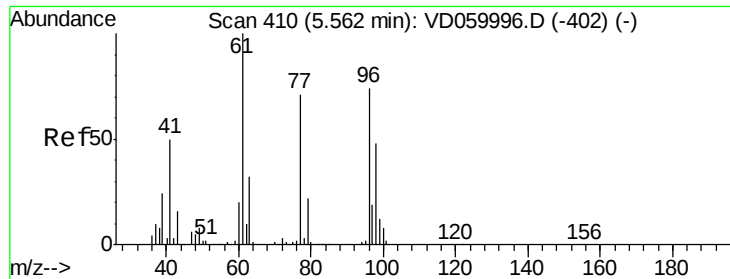
77 100

97 26.5 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



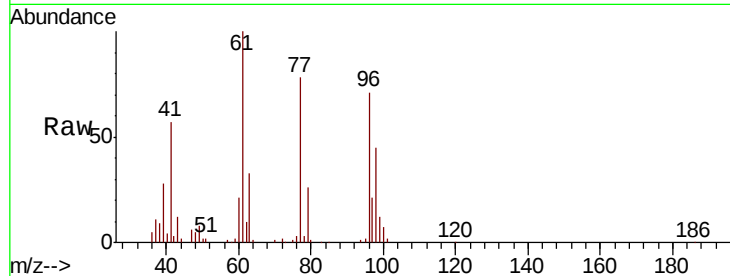


#27

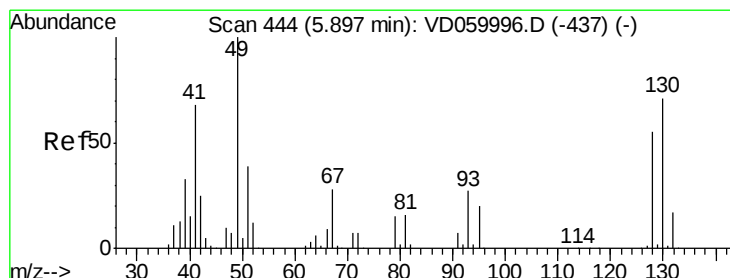
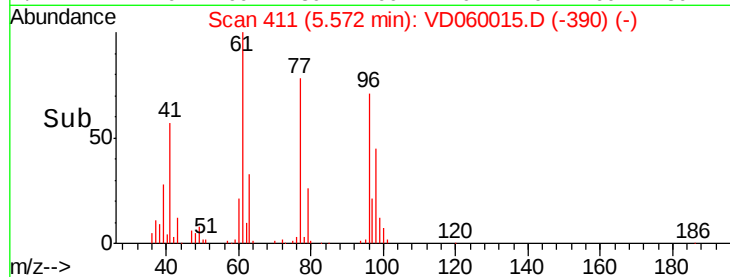
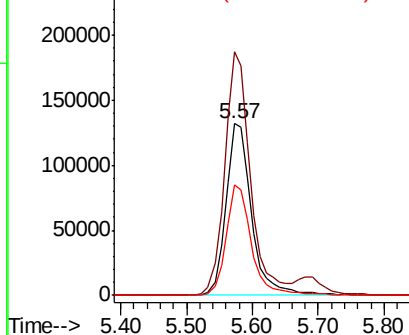
cis-1,2-Dichloroethene
Concen: 20.781 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	96	Resp	359807
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	269.6
98	64.3	0.0	128.4



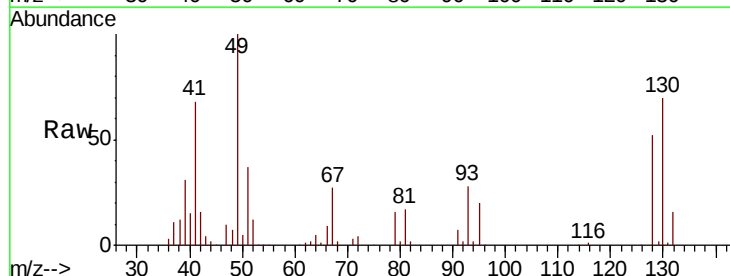
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



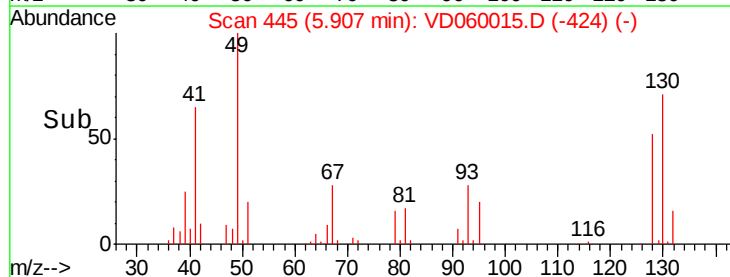
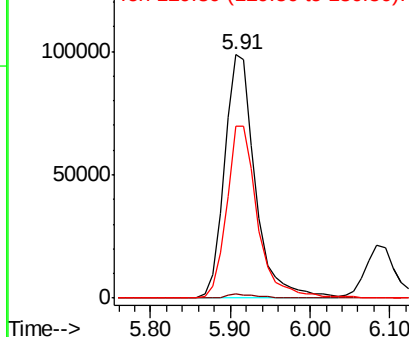
#28

Bromochloromethane
Concen: 20.410 ug/l
RT: 5.91 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion	49	Resp	267142
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	70.4	57.1	85.7



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 100.745 ug/l

RT: 5.94 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampled :

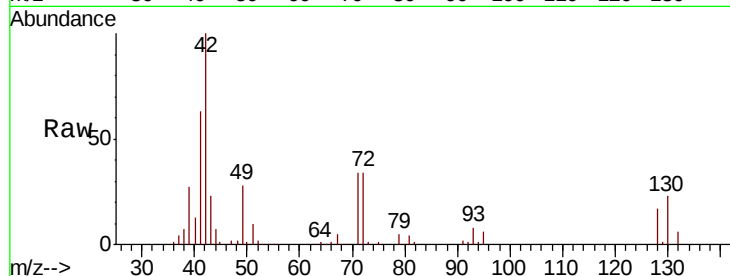
Tot Ion: 42 Resp: 336506

Ion Ratio Lower Upper

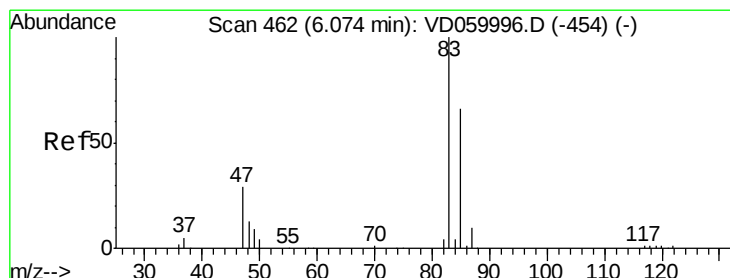
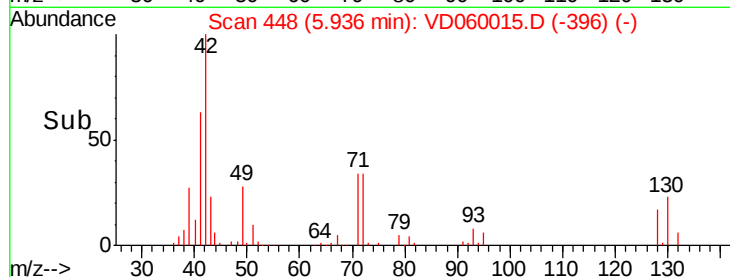
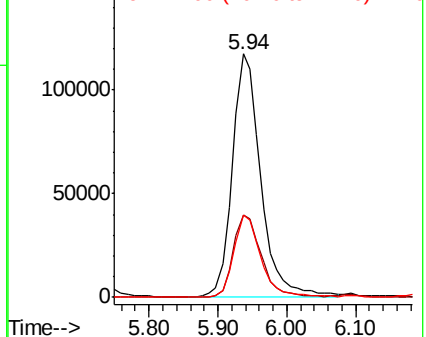
42 100

72 33.3 26.9 40.3

71 32.5 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 20.335 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD060015.D

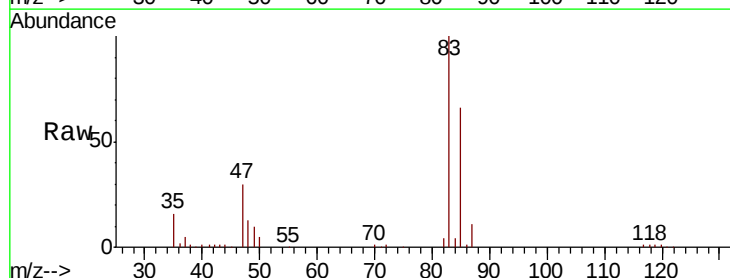
Acq: 17 Sep 2018 12:20

Tgt Ion: 83 Resp: 561522

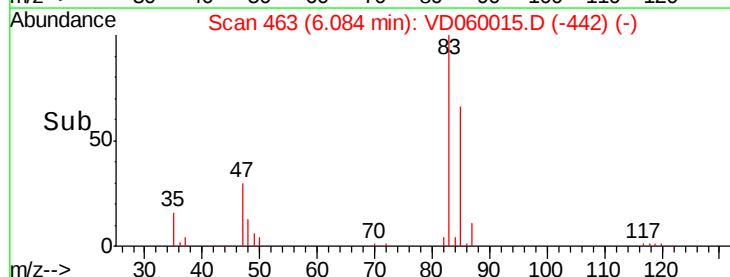
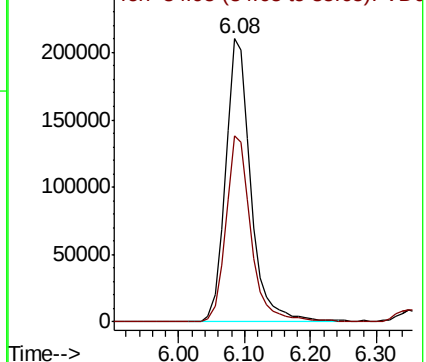
Ion Ratio Lower Upper

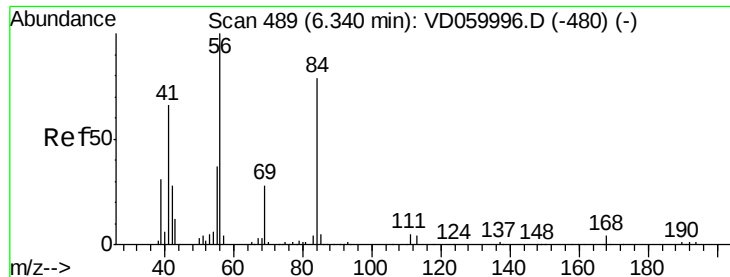
83 100

85 65.7 52.6 78.8



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

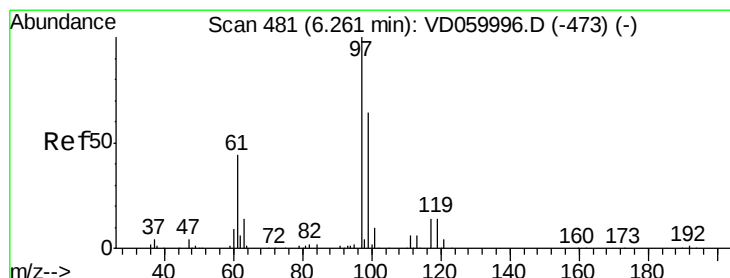
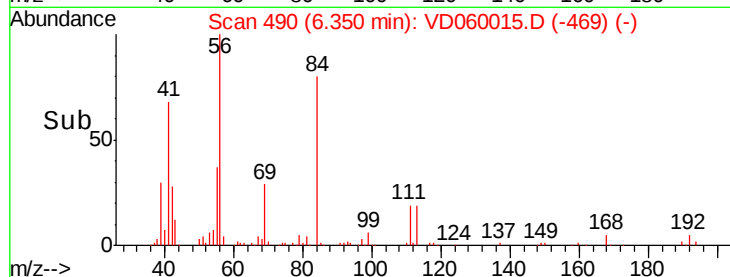
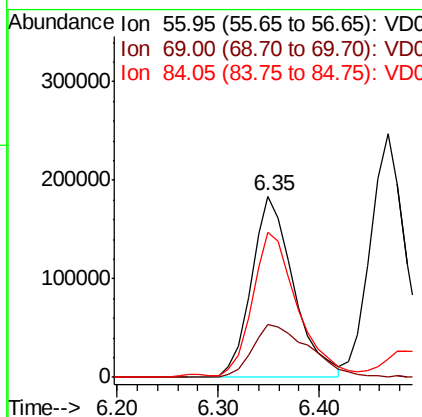
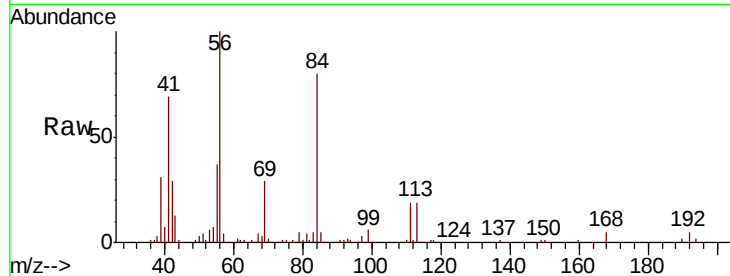




#31
Cyclohexane
Concen: 20.086 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

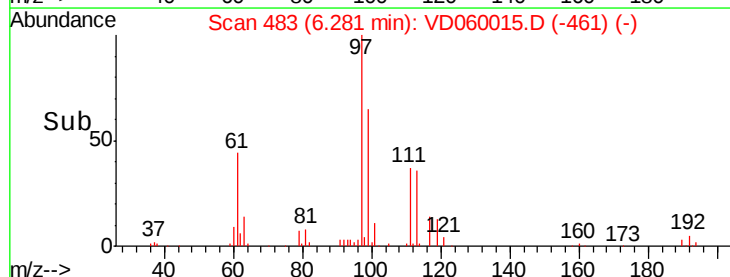
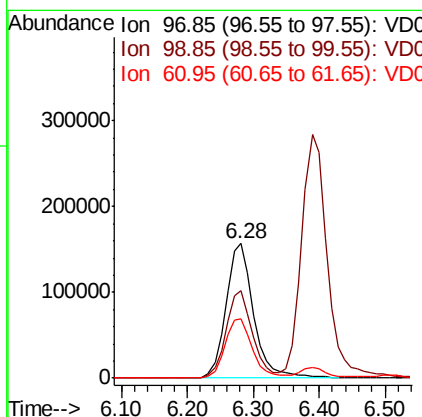
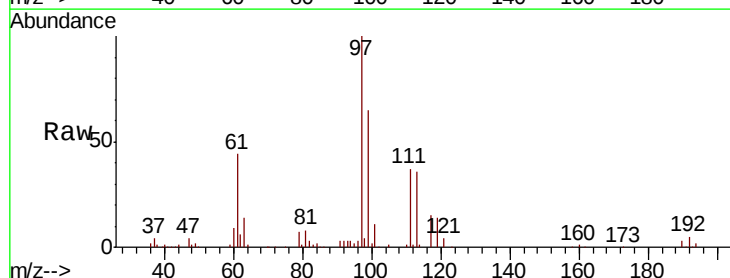
Instrument :
MSVOA_D
ClientSampleId :

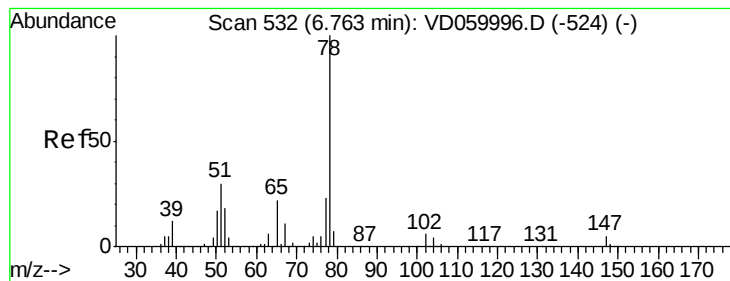
Tot Ion: 56 Resp: 533271
Ion Ratio Lower Upper
56 100
69 29.2 22.7 34.1
84 80.0 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 20.057 ug/l
RT: 6.28 min Scan# 483
Delta R.T. 0.02 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 97 Resp: 459354
Ion Ratio Lower Upper
97 100
99 65.5 51.3 76.9
61 44.4 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 20.057 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

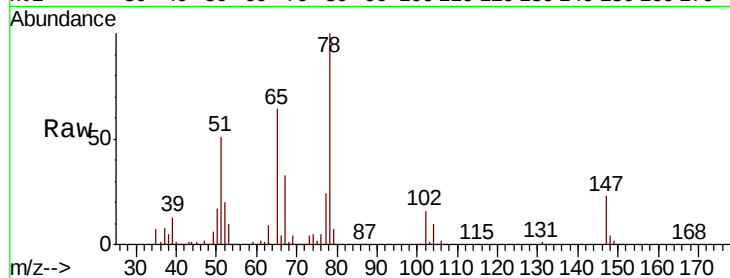
ClientSampled :

Tot Ion: 65 Resp: 622992

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

100000

50000

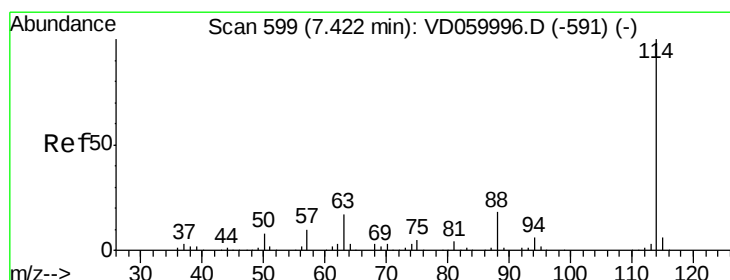
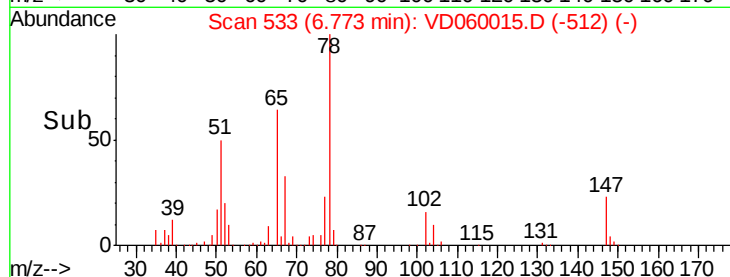
0

6.77

6.80

6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

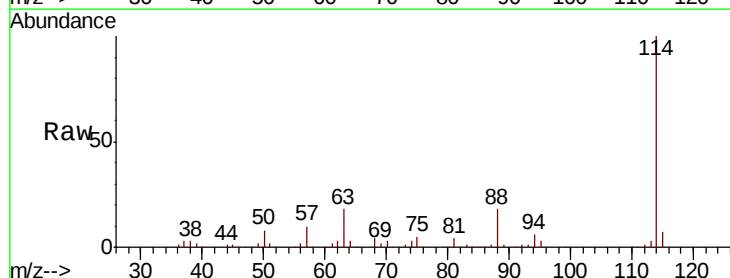
Tgt Ion: 114 Resp: 2073236

Ion Ratio Lower Upper

114 100

63 18.1 0.0 34.4

88 18.4 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

400000

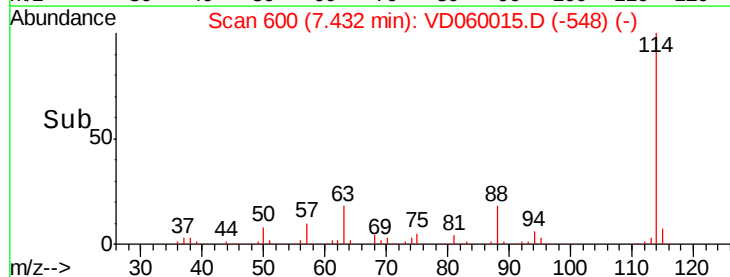
200000

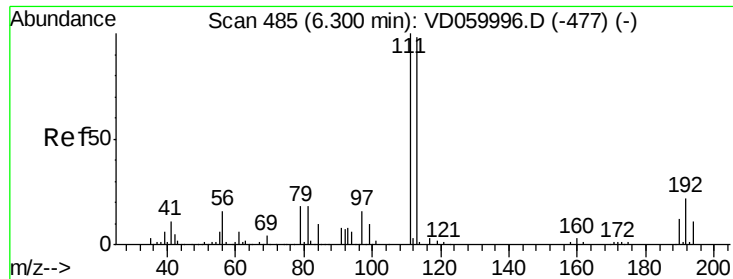
0

7.43

7.60

Time-->

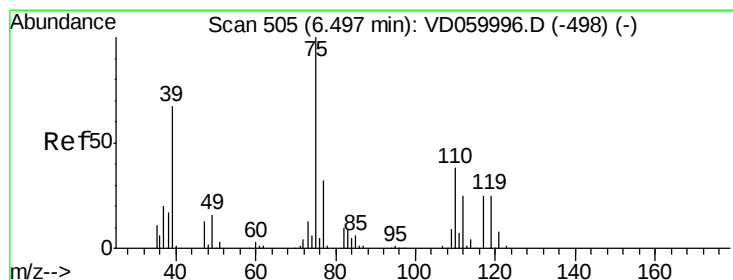
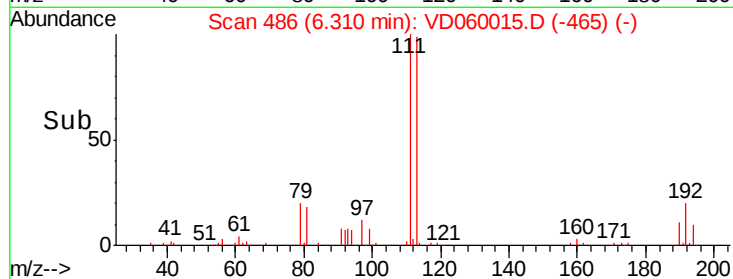
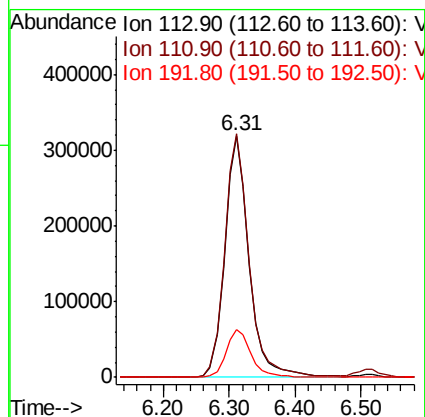
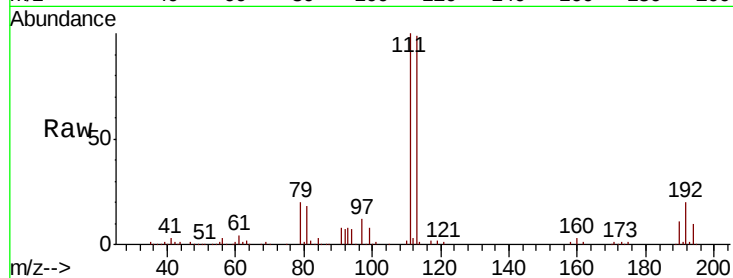




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.31 min Scan# 486
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

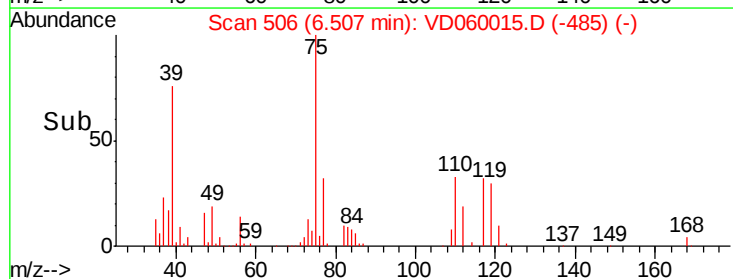
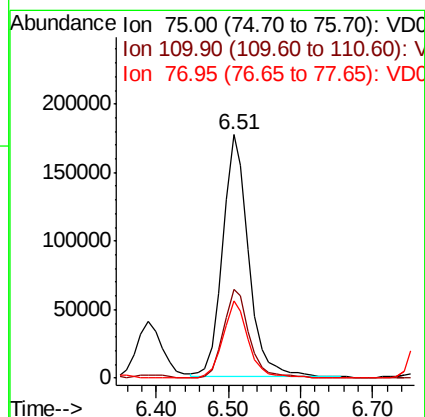
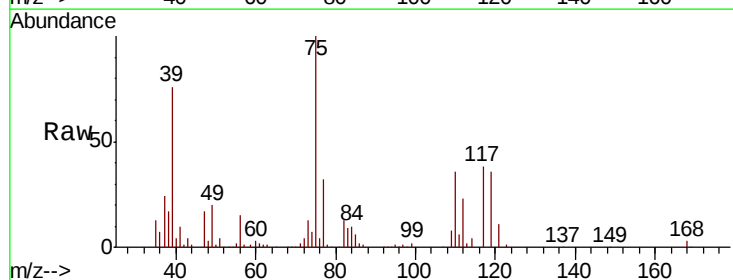
Instrument :
 MSVOA_D
 ClientSampleId :

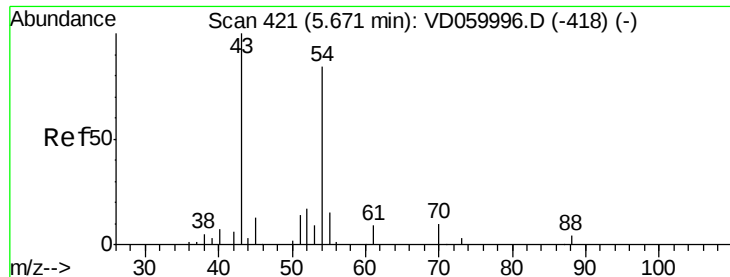
Tot Ion:113 Resp: 817649
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.3 121.9
 192 20.0 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 21.361 ug/l
 RT: 6.51 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 75 Resp: 439918
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.9 56.9
 77 31.9 25.3 37.9

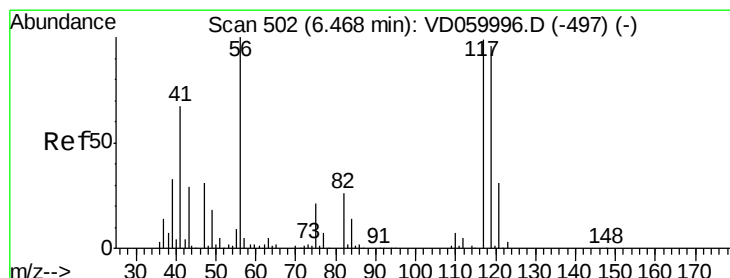
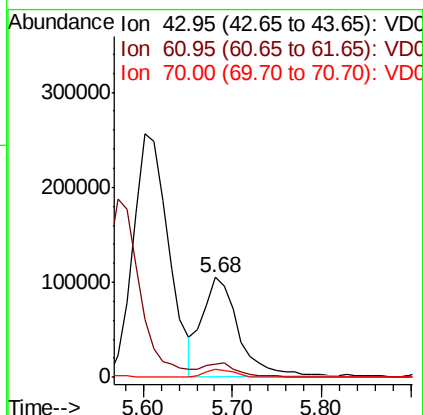
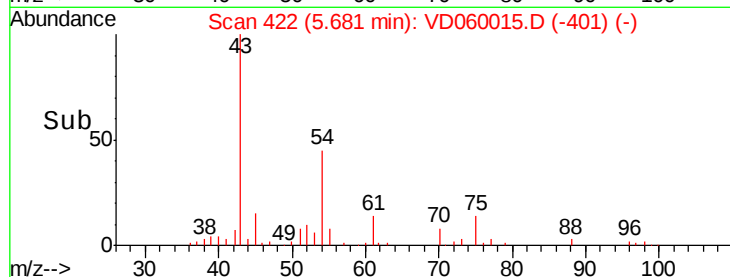
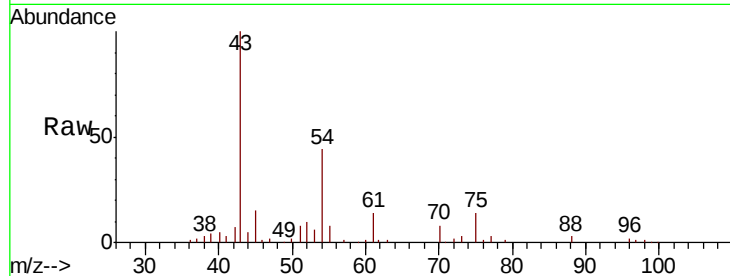




#37
Ethyl Acetate
Concen: 20.874 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

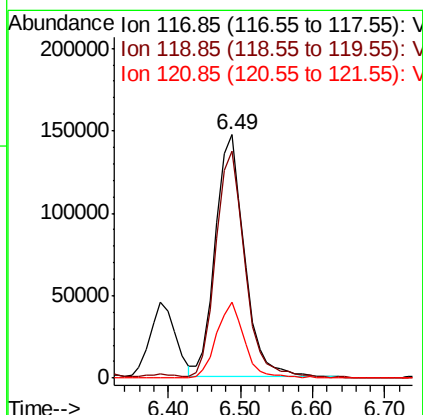
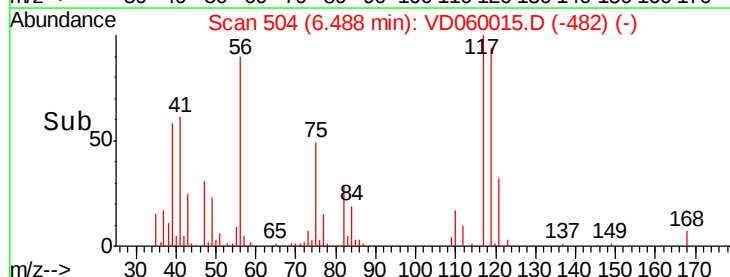
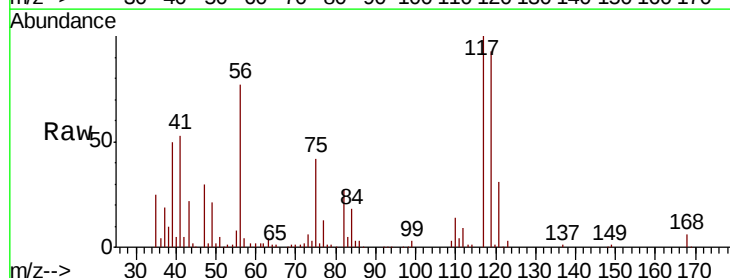
Instrument :
MSVOA_D
ClientSampled :

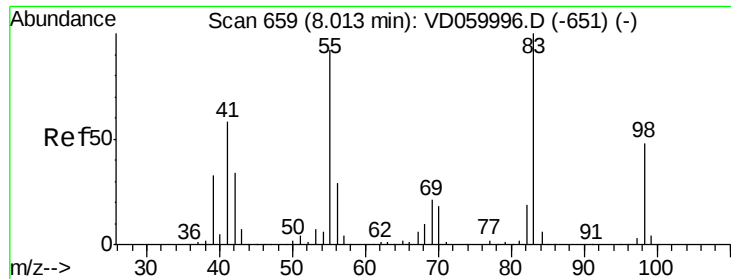
Tot Ion: 43 Resp: 295621
Ion Ratio Lower Upper
43 100
61 13.8 10.2 15.2
70 7.7 6.1 9.1



#38
Carbon Tetrachloride
Concen: 21.324 ug/l
RT: 6.49 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 117 Resp: 409941
Ion Ratio Lower Upper
117 100
119 93.3 76.7 115.1
121 31.3 24.9 37.3

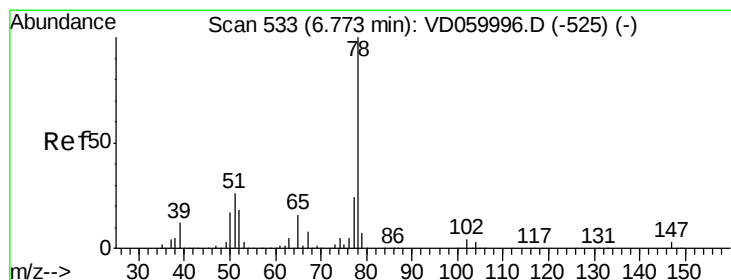
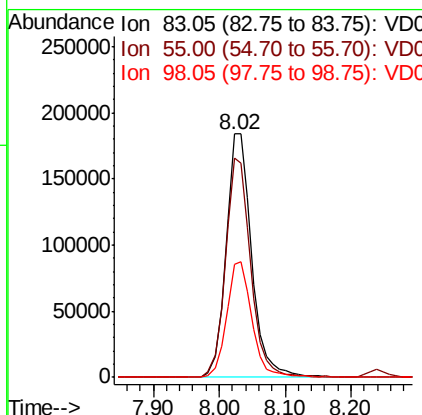
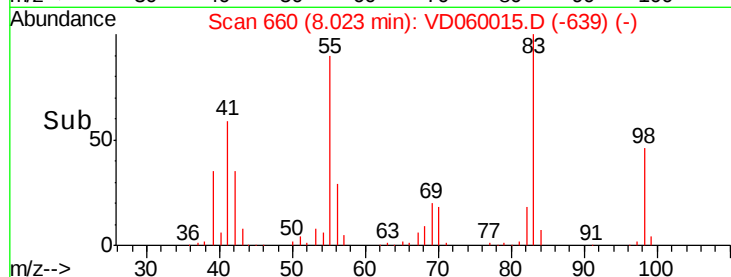
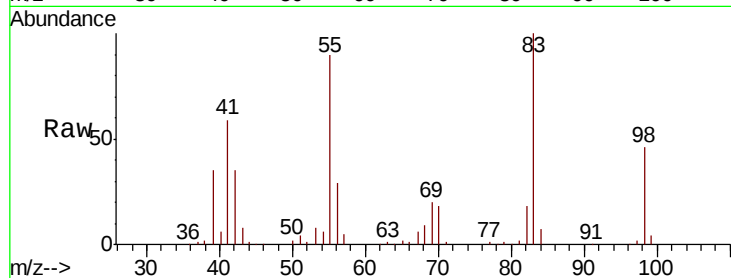




#39
Methvlcvclohexane
Concen: 21.413 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

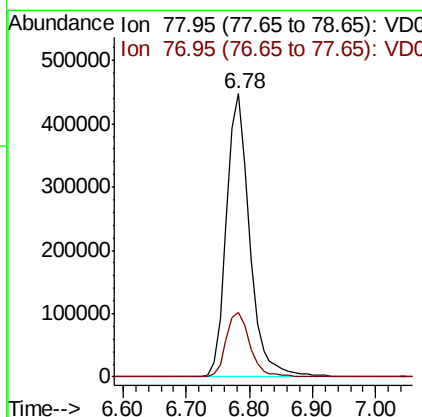
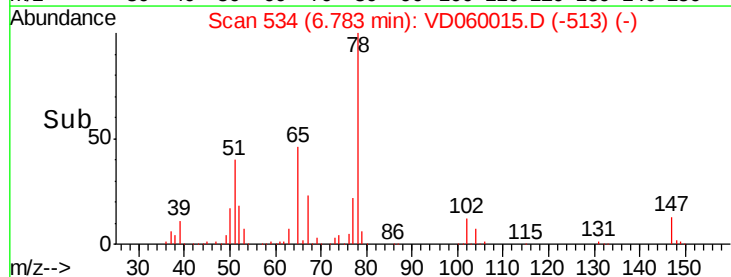
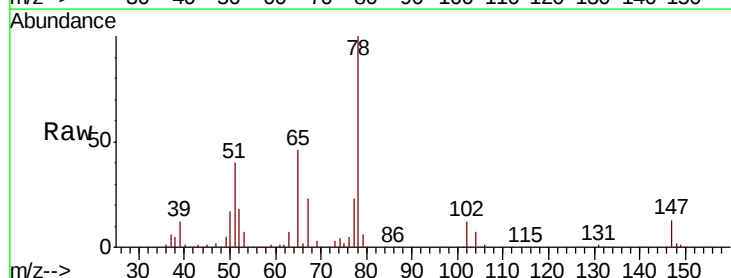
Instrument :
MSVOA_D
ClientSampled :

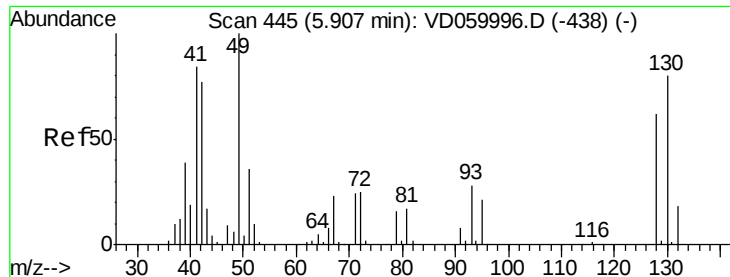
Tot Ion: 83 Resp: 498850
Ion Ratio Lower Upper
83 100
55 90.2 73.8 110.6
98 46.2 38.1 57.1



#40
Benzene
Concen: 21.712 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 78 Resp: 1139664
Ion Ratio Lower Upper
78 100
77 22.8 19.0 28.4

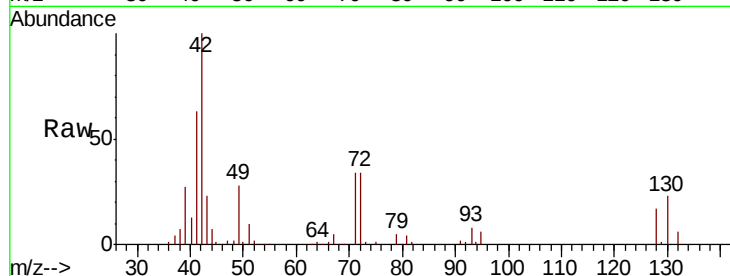




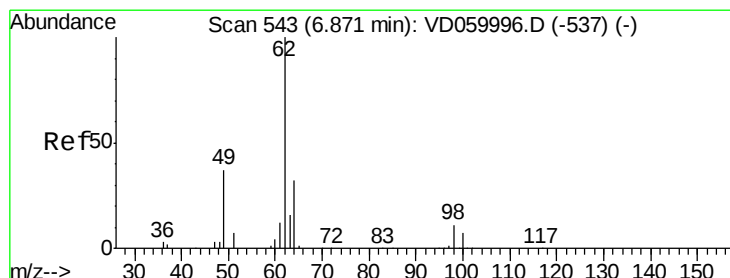
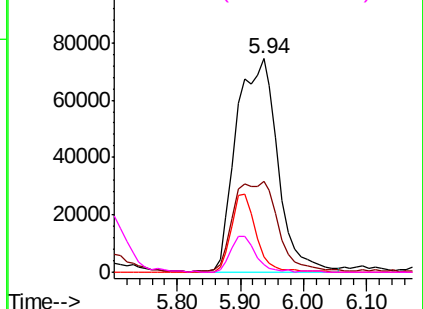
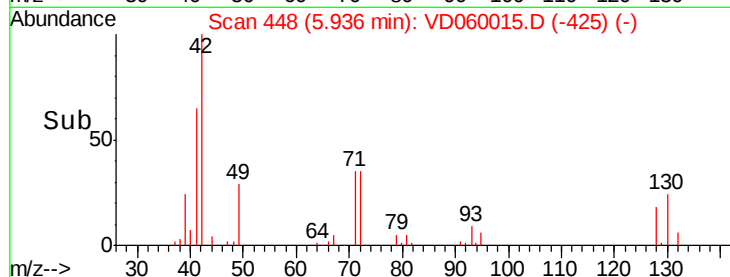
#41
Methacrylonitrile
Concen: 45.952 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.03 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 340850
Ion Ratio Lower Upper
41 100
39 42.7 37.5 56.3
67 7.2 21.5 32.3#
52 3.4 9.2 13.8#

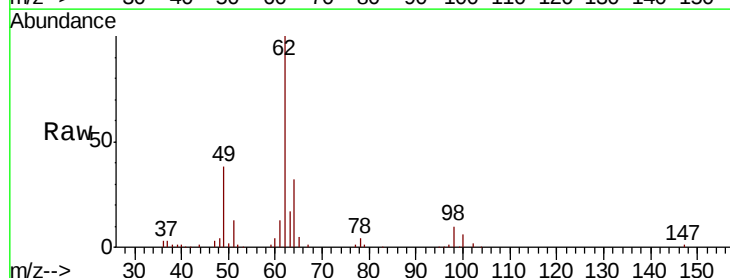


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

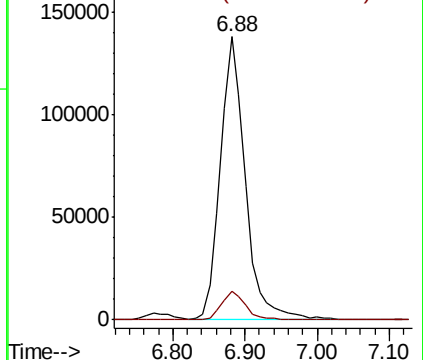
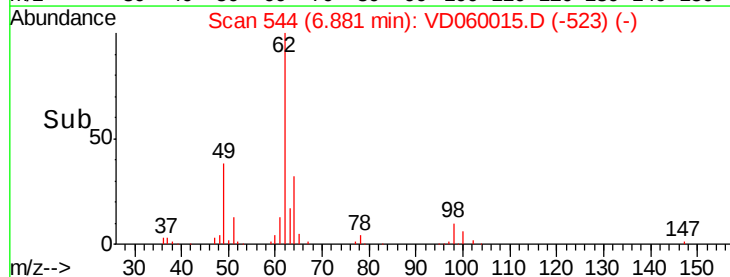


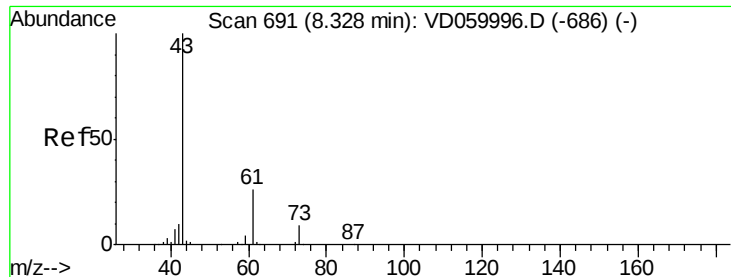
#42
1,2-Dichloroethane
Concen: 20.760 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 62 Resp: 327193
Ion Ratio Lower Upper
62 100
98 10.1 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.768 ug/l

RT: 8.34 min Scan# 692

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

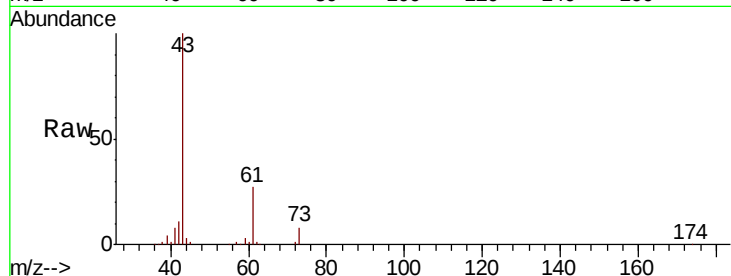
Tot Ion: 43 Resp: 374839

Ion Ratio Lower Upper

43 100

61 26.6 21.0 31.6

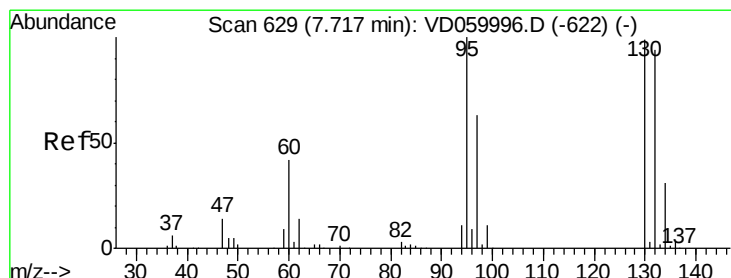
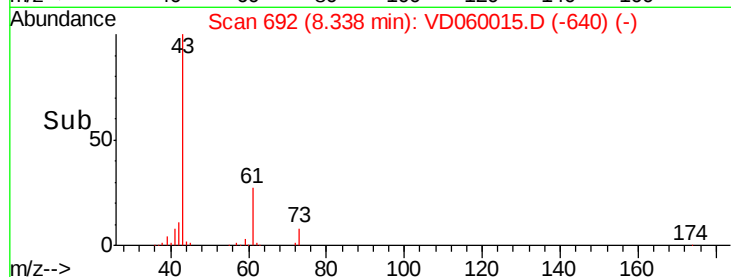
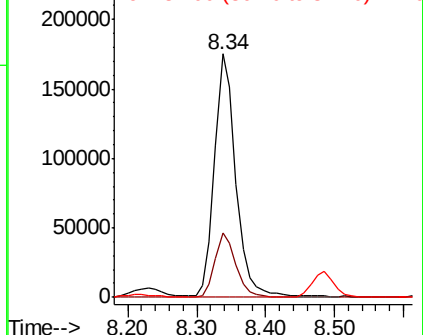
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.001 ug/l

RT: 7.73 min Scan# 630

Delta R.T. 0.01 min

Lab File: VD060015.D

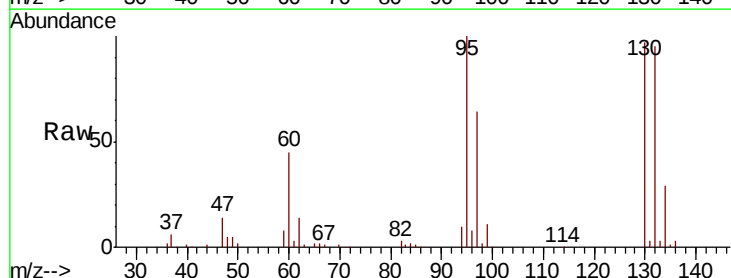
Acq: 17 Sep 2018 12:20

Tgt Ion: 130 Resp: 340584

Ion Ratio Lower Upper

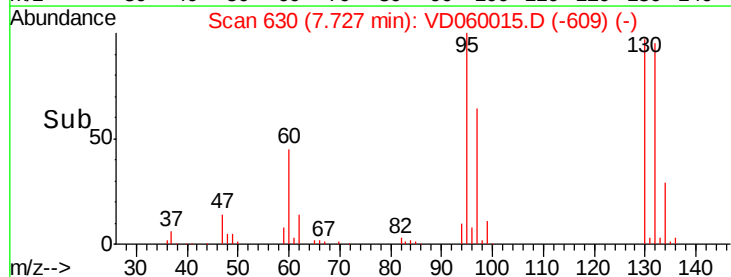
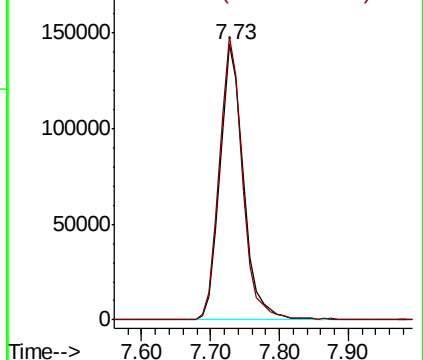
130 100

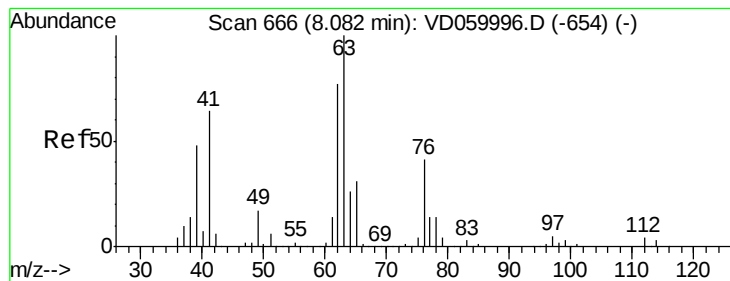
95 102.7 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.496 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

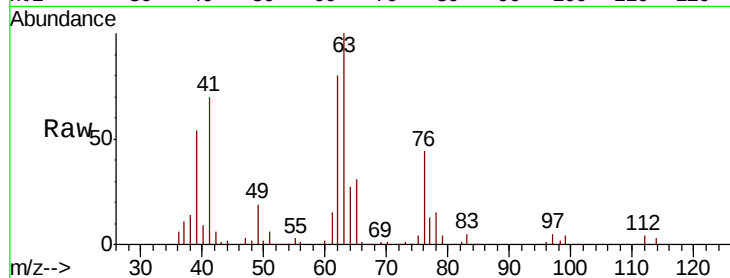
ClientSampleId :

Tot Ion: 63 Resp: 301711

Ion Ratio Lower Upper

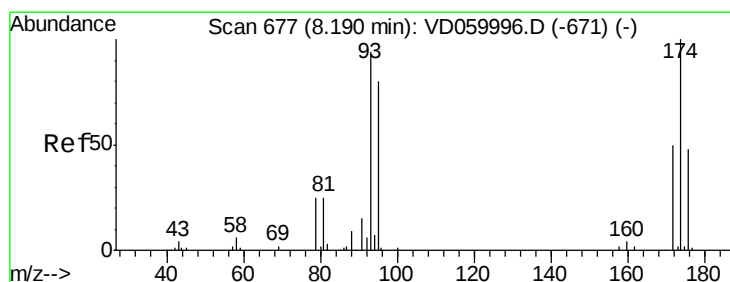
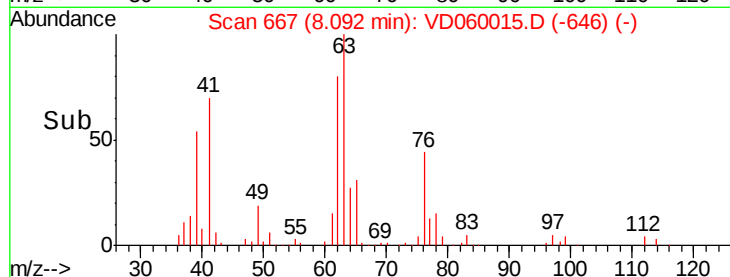
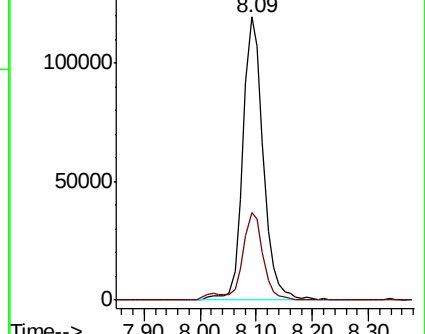
63 100

65 31.1 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.531 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

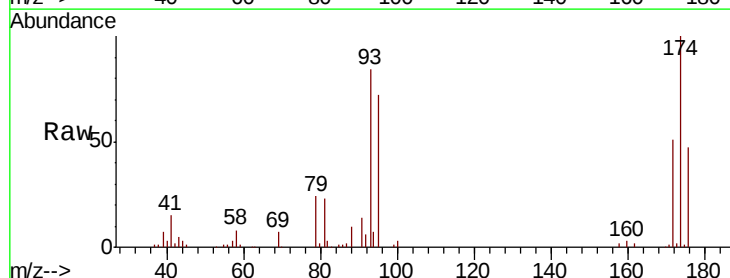
Tgt Ion: 93 Resp: 188026

Ion Ratio Lower Upper

93 100

95 85.6 68.0 102.0

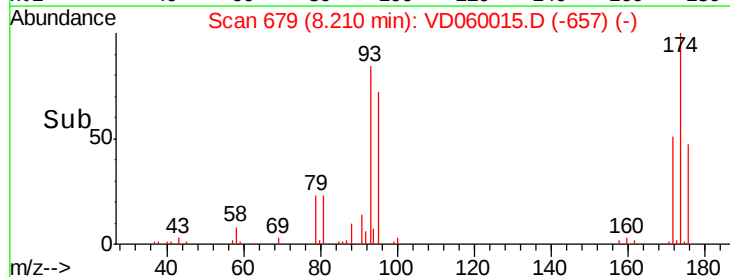
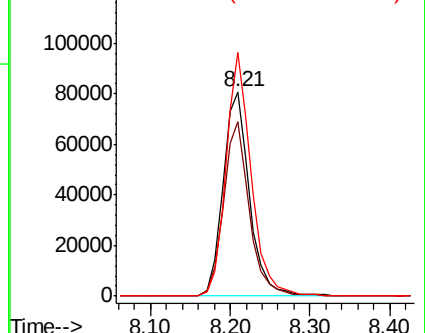
174 119.3 85.4 128.2

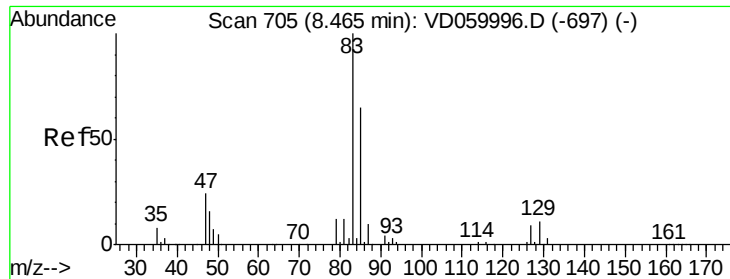


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.082 ug/l

RT: 8.49 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

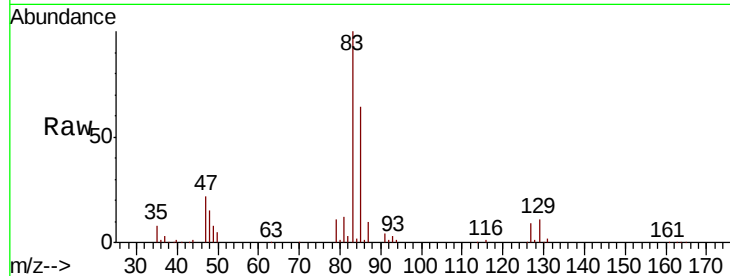
Tot Ion: 83 Resp: 416245

Ion Ratio Lower Upper

83 100

85 63.9 51.9 77.9

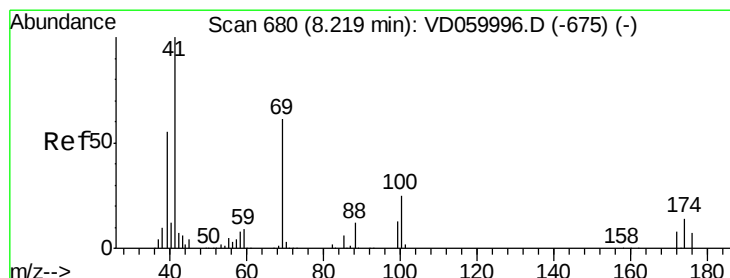
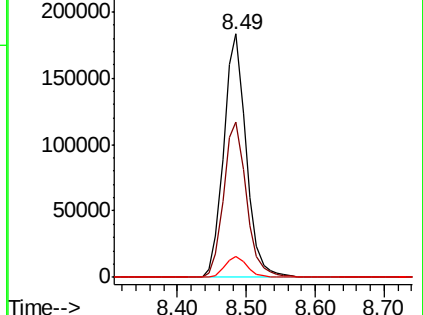
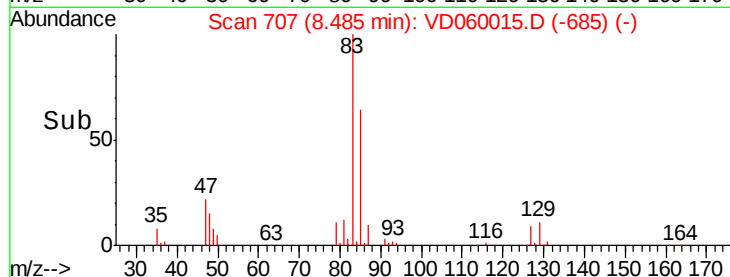
127 8.7 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.238 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.02 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

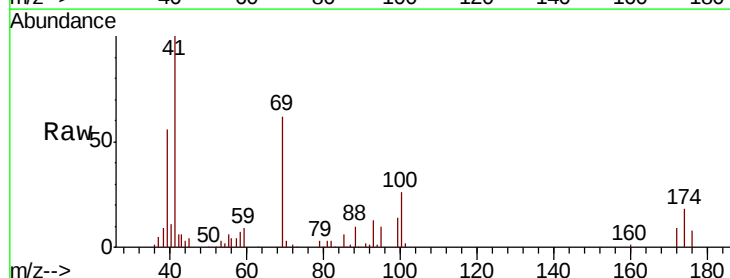
Tgt Ion: 41 Resp: 213731

Ion Ratio Lower Upper

41 100

69 61.7 48.3 72.5

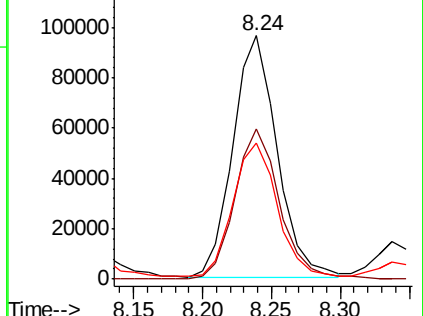
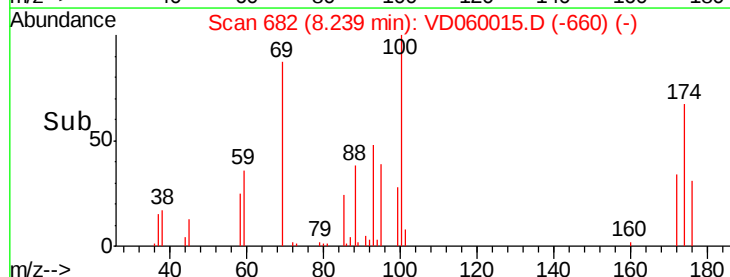
39 56.0 44.1 66.1

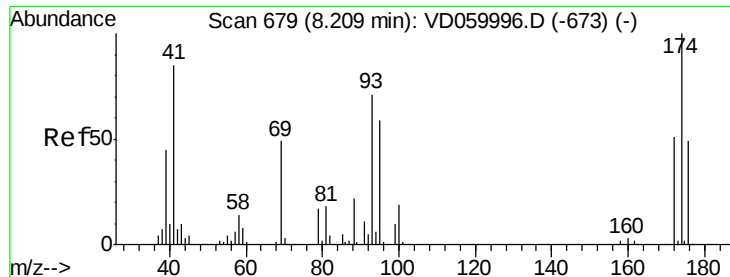


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 378.359 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampled :

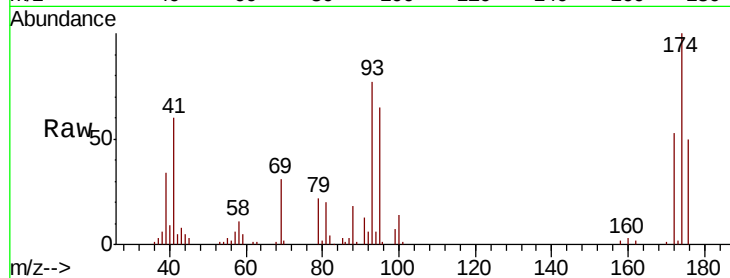
Tot Ion: 88 Resp: 39687

Ion Ratio Lower Upper

88 100

43 44.9 36.2 54.2

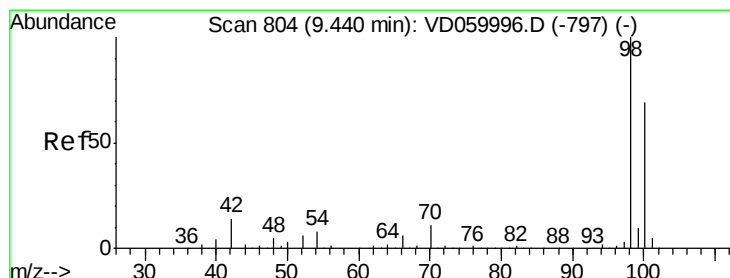
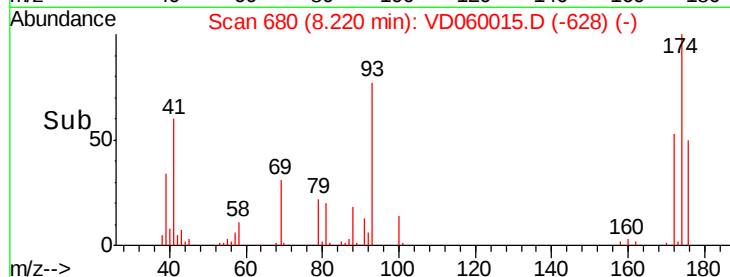
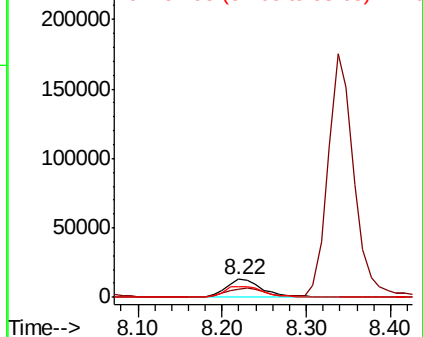
58 62.8 51.0 76.6



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: 378.359 ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD060015.D

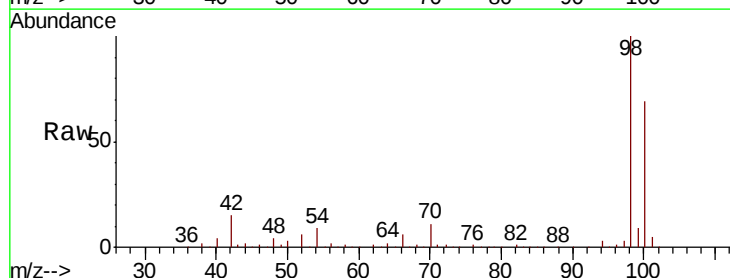
Acq: 17 Sep 2018 12:20

Tgt Ion: 98 Resp: 2360582

Ion Ratio Lower Upper

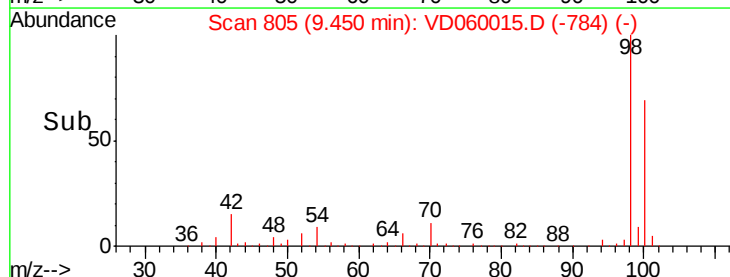
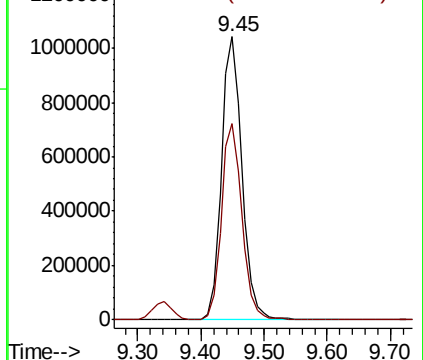
98 100

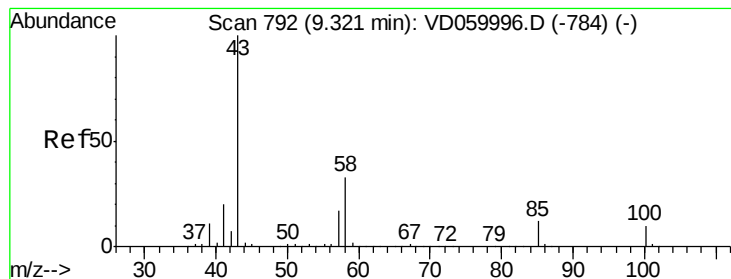
100 69.3 55.8 83.6



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: 110.379 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

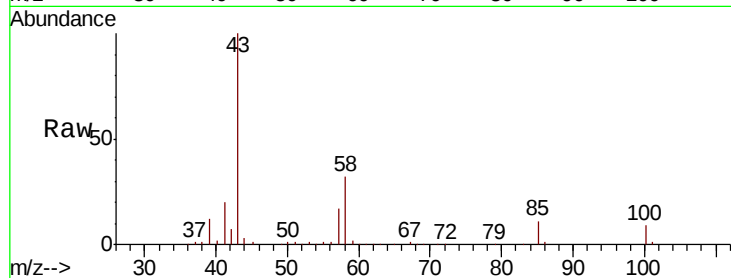
ClientSampleId :

Tot Ion: 43 Resp: 1526098

Ion Ratio Lower Upper

43 100

58 32.1 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.33

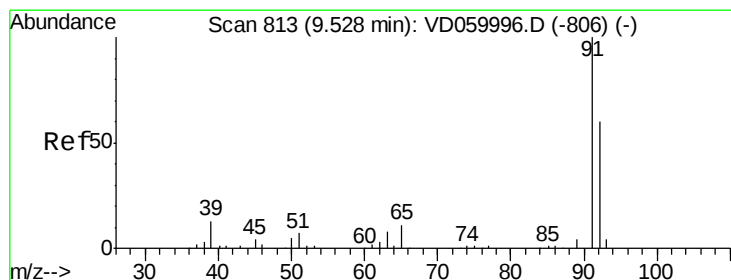
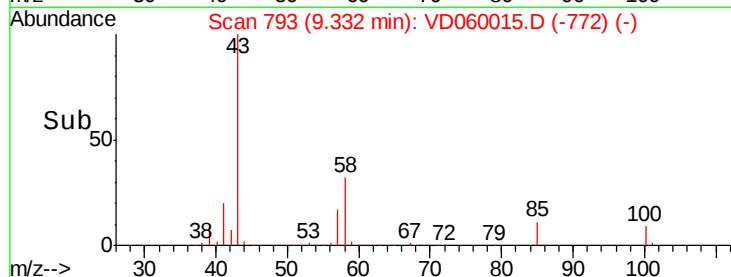
600000

400000

200000

0

Time--> 9.20 9.30 9.40



#52

Toluene

Concen: 21.411 ug/l

RT: 9.54 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD060015.D

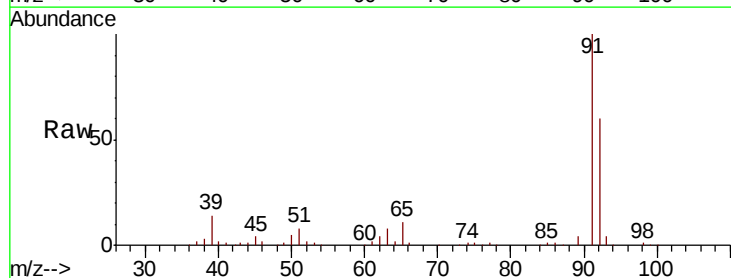
Acq: 17 Sep 2018 12:20

Tgt Ion: 92 Resp: 720388

Ion Ratio Lower Upper

92 100

91 166.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.54

600000

500000

400000

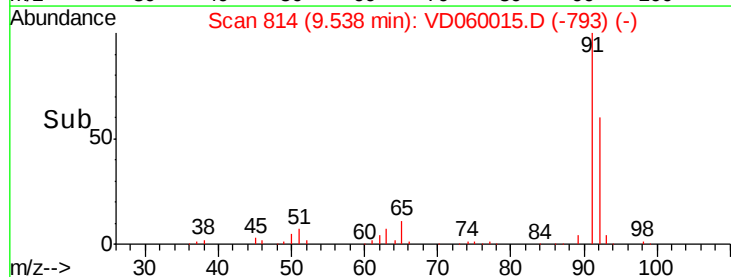
300000

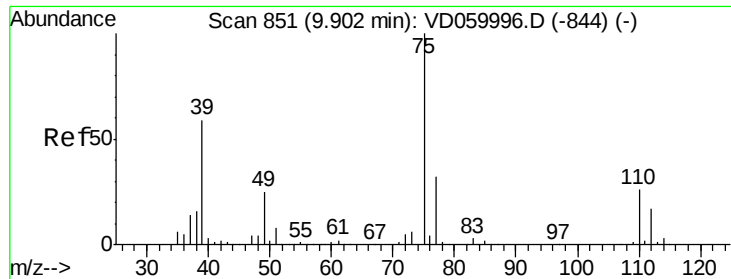
200000

100000

0

Time--> 9.40 9.50 9.60 9.70

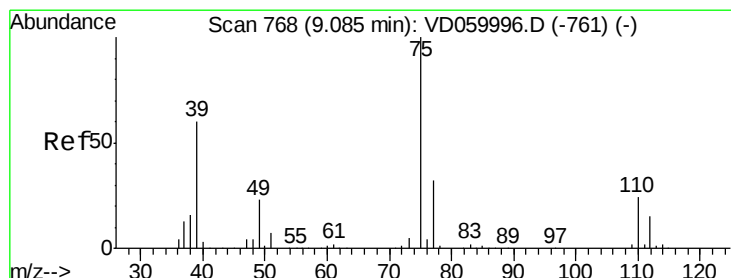
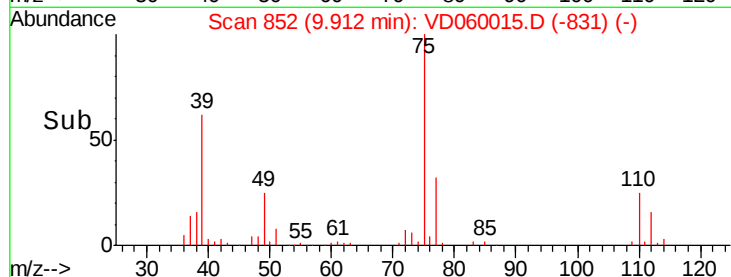
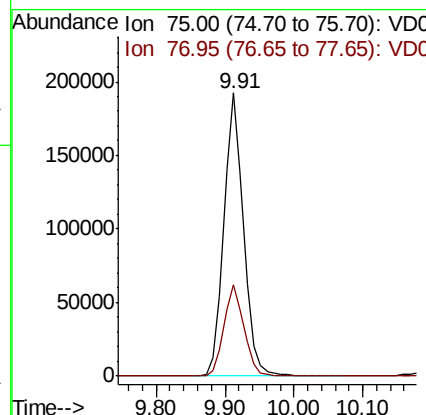
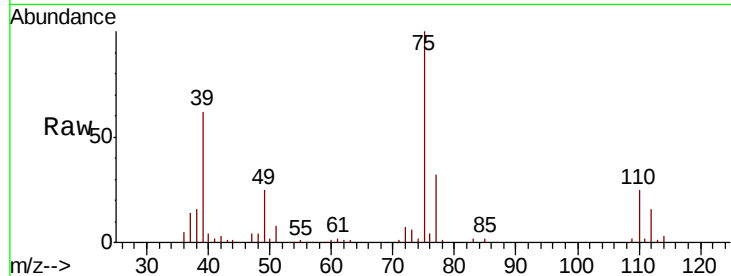




#53
 t-1,3-Dichloropropene
 Concen: 20.526 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

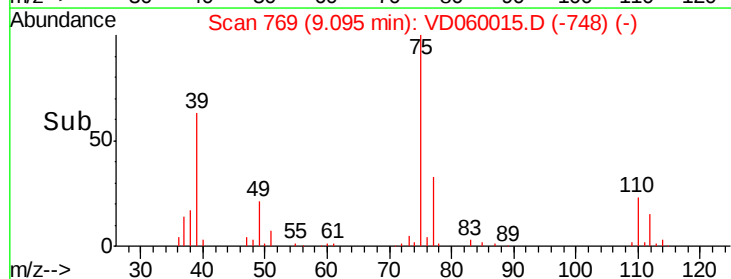
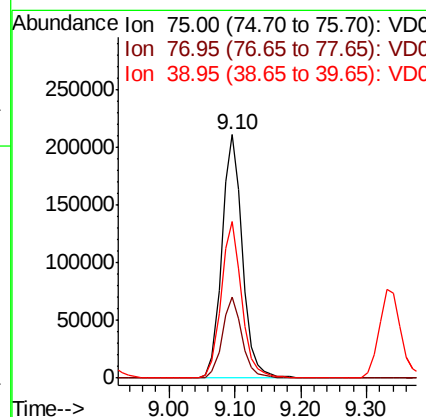
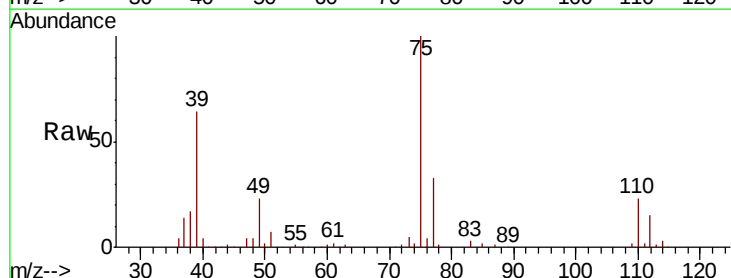
Instrument :
 MSVOA_D
 ClientSampleId :

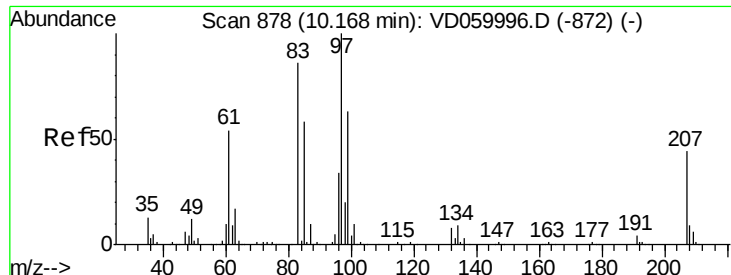
Tot Ion: 75 Resp: 377986
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 20.756 ug/l
 RT: 9.10 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 75 Resp: 456671
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.5 38.3
 39 64.1 48.0 72.0

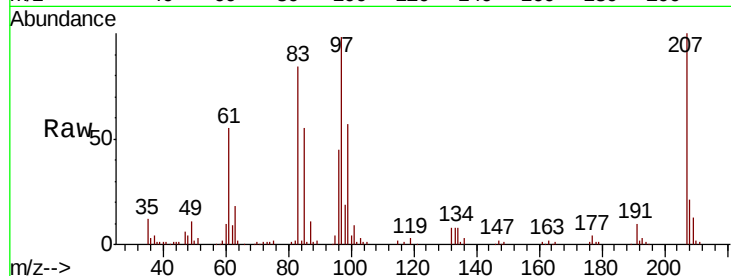




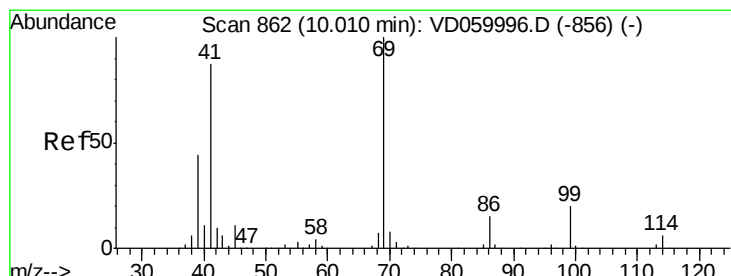
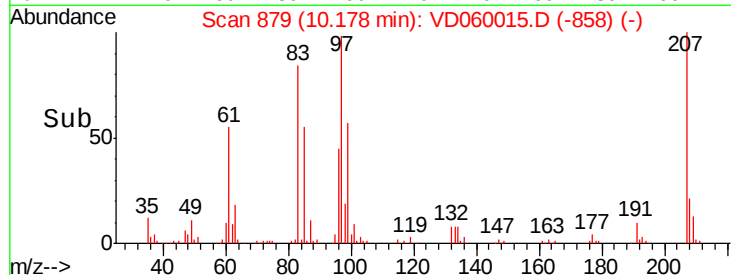
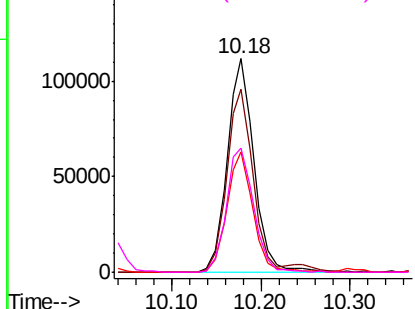
#55
 1,1,2-Trichloroethane
 Concen: 20.092 ug/l
 RT: 10.18 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	234708
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.1	103.7
85	56.4	46.2	69.4
99	58.2	50.6	75.8

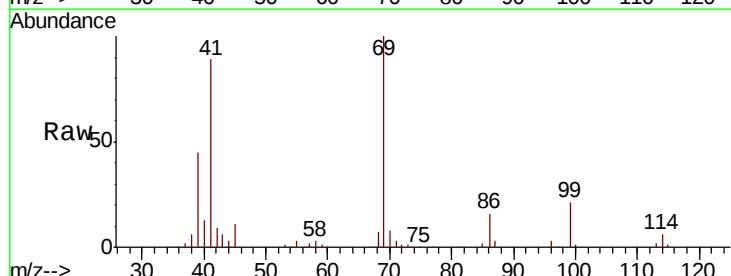


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

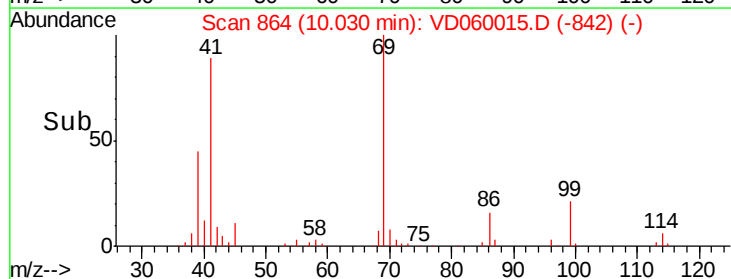
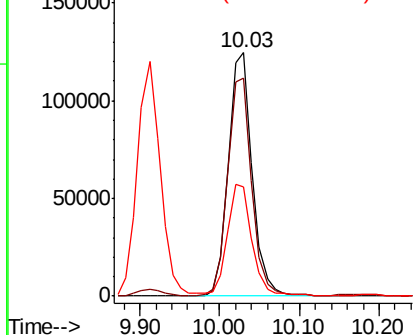


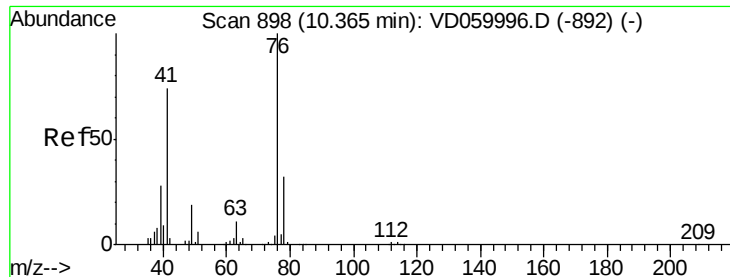
#56
 Ethyl methacrylate
 Concen: 20.231 ug/l
 RT: 10.03 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion:	69	Resp:	262135
Ion	Ratio	Lower	Upper
69	100		
41	89.4	70.1	105.1
39	45.0	36.5	54.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.679 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

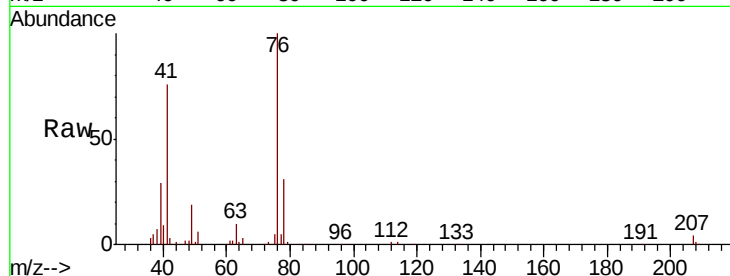
ClientSampleId :

Tot Ion: 76 Resp: 356575

Ion Ratio Lower Upper

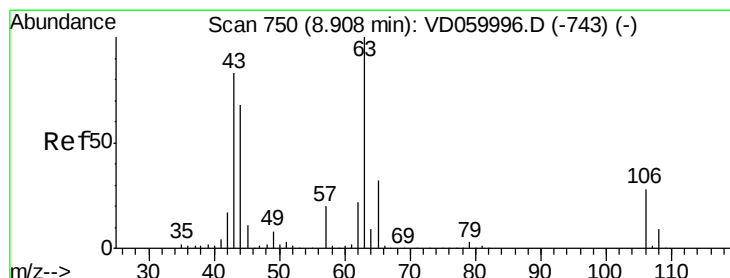
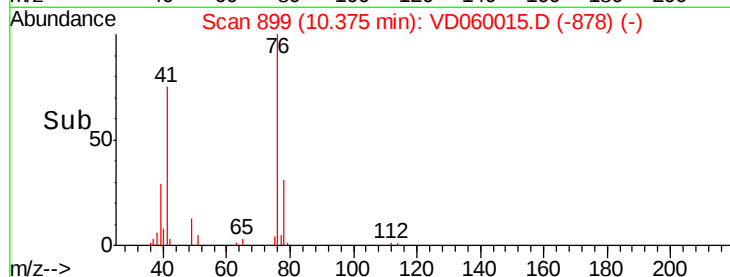
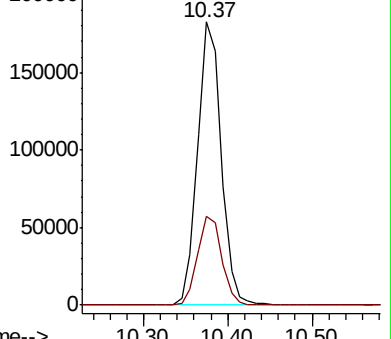
76 100

78 31.5 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 112.163 ug/l

RT: 8.92 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD060015.D

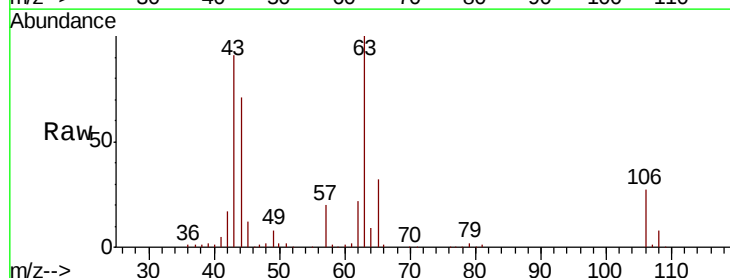
Acq: 17 Sep 2018 12:20

Tgt Ion: 63 Resp: 701791

Ion Ratio Lower Upper

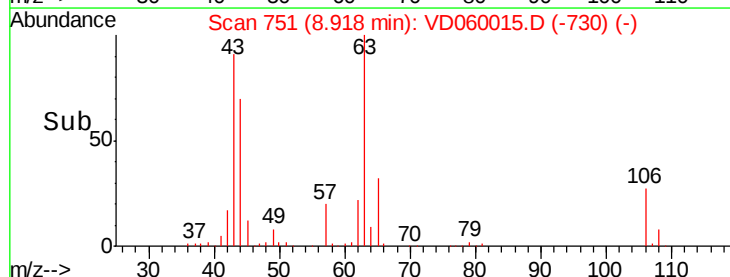
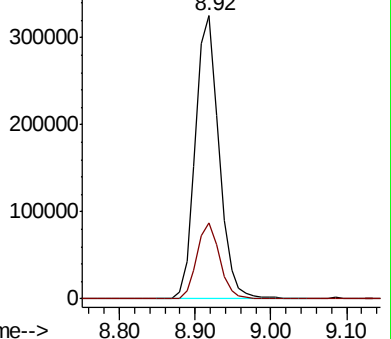
63 100

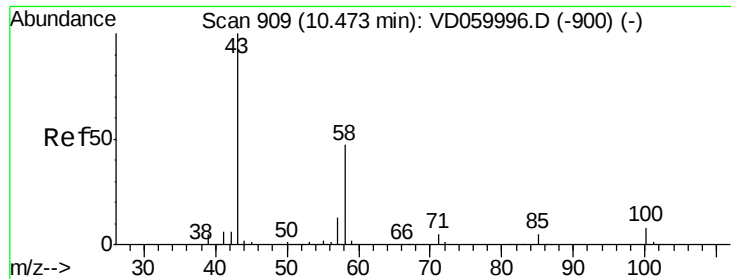
106 26.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

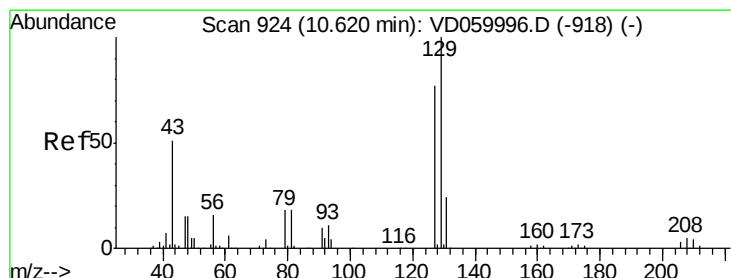
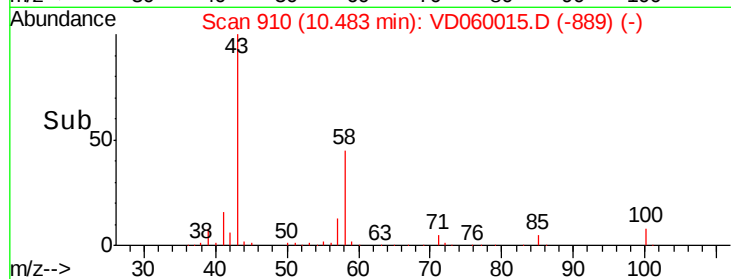
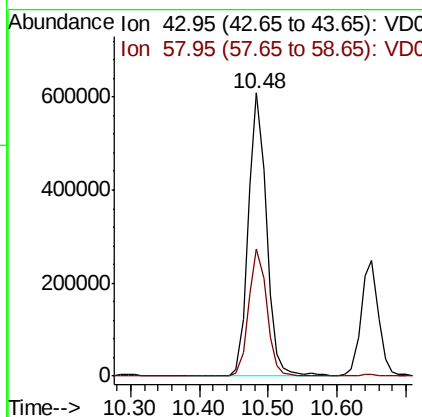
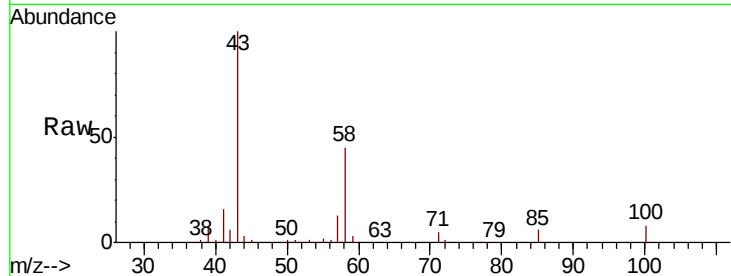




#59
2-Hexanone
Concen: 111.562 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

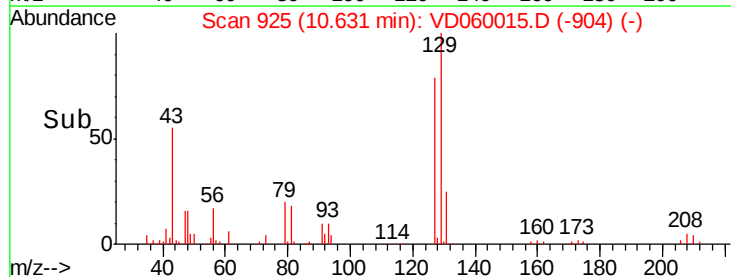
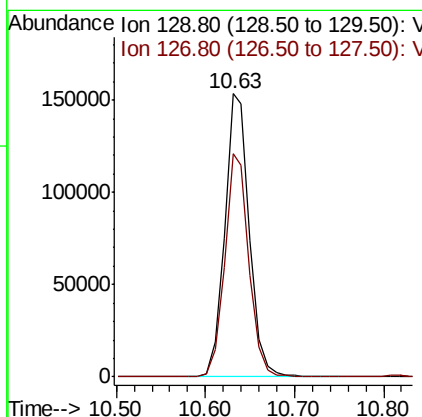
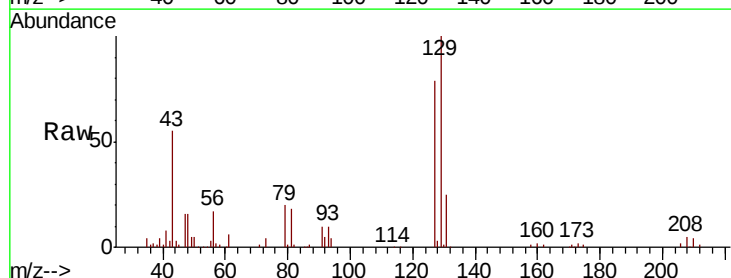
Instrument :
MSVOA_D
ClientSampleId :

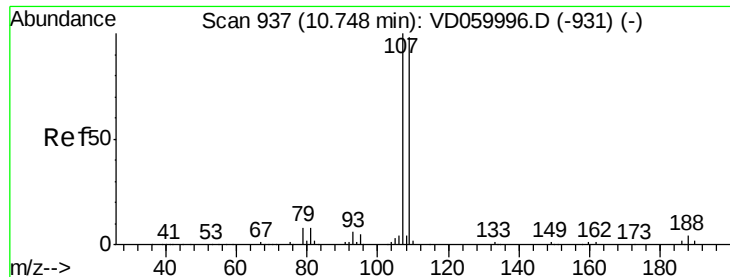
Tot Ion: 43 Resp: 1109141
Ion Ratio Lower Upper
43 100
58 45.0 23.4 70.0



#60
Dibromochloromethane
Concen: 20.883 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 129 Resp: 296928
Ion Ratio Lower Upper
129 100
127 78.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.596 ug/l

RT: 10.75 min Scan# 937

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

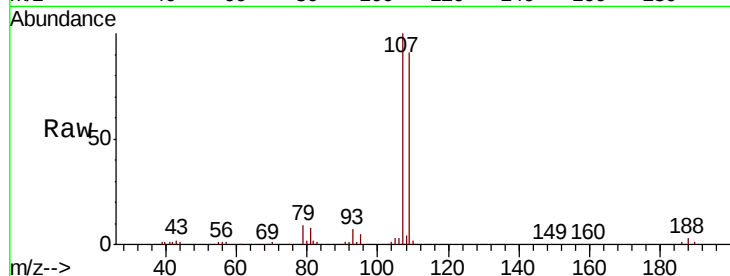
ClientSampleId :

Tot Ion:107 Resp: 248410

Ion Ratio Lower Upper

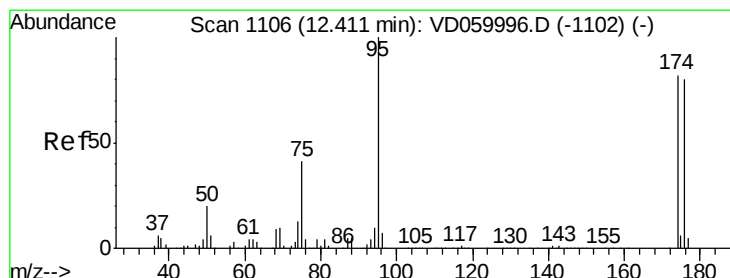
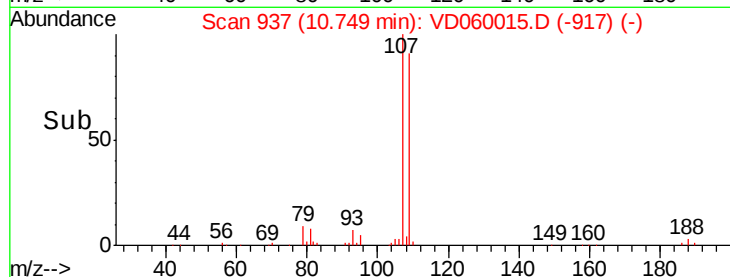
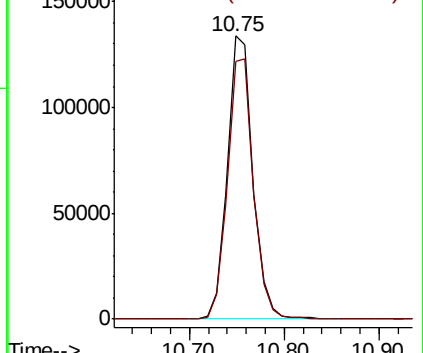
107 100

109 91.0 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.596 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

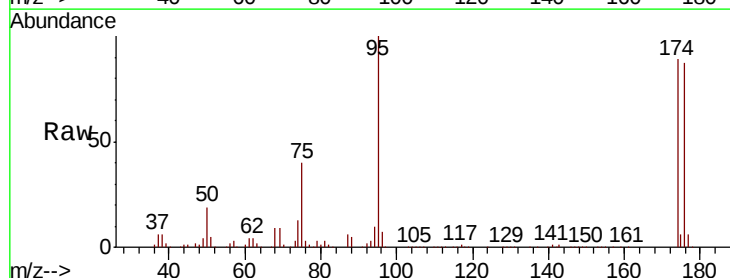
Tgt Ion: 95 Resp: 900621

Ion Ratio Lower Upper

95 100

174 89.4 0.0 165.0

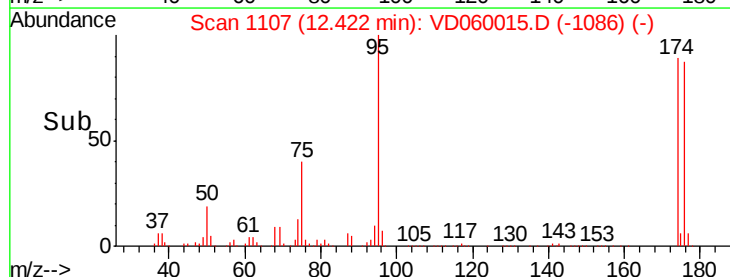
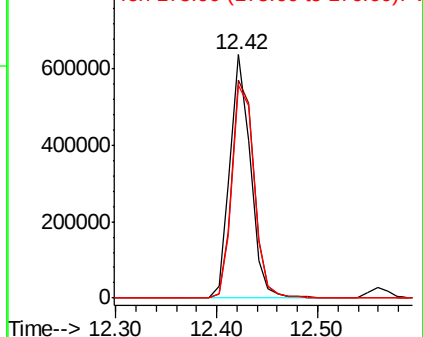
176 87.3 0.0 160.2

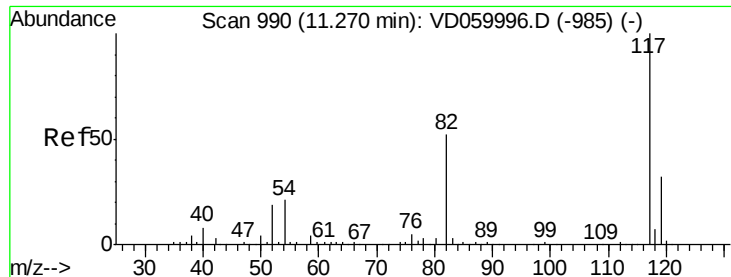


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

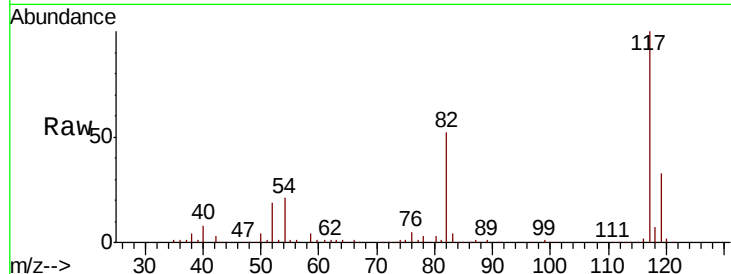




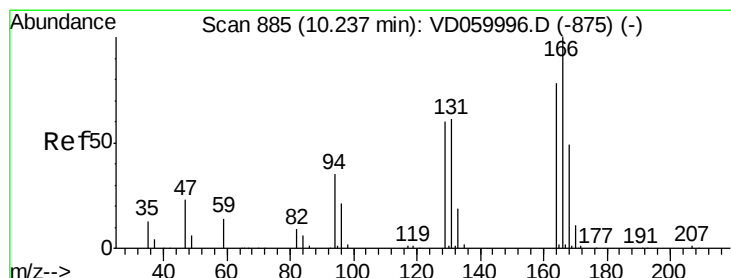
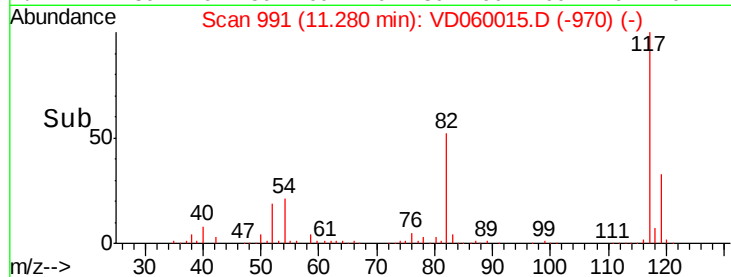
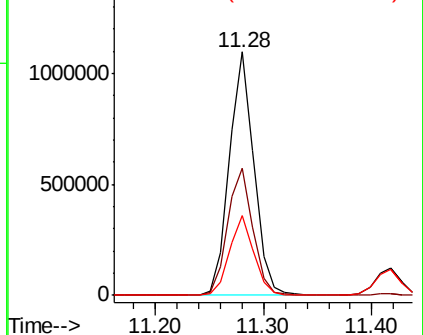
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1737895
Ion Ratio Lower Upper
117 100
82 52.3 41.7 62.5
119 32.8 26.0 39.0

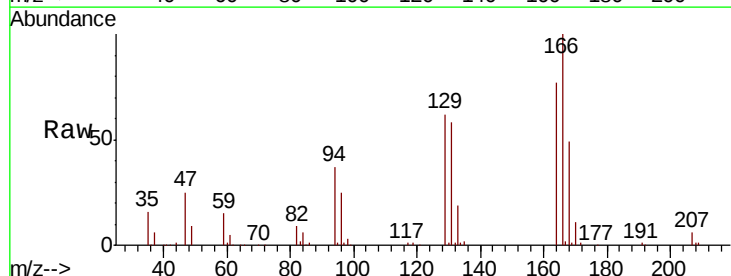


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

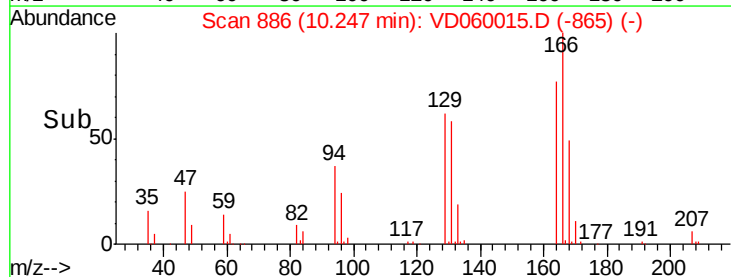
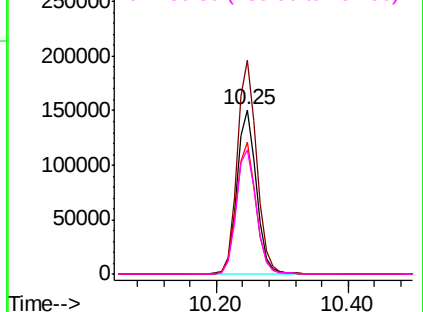


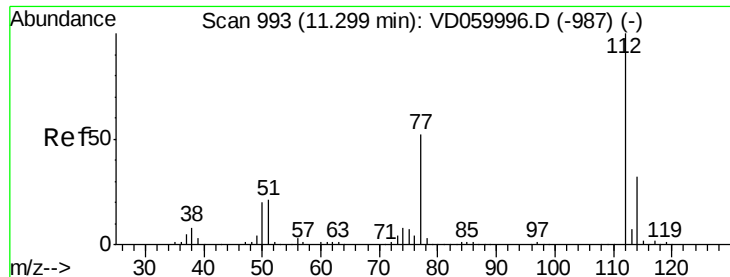
#64
Tetrachloroethene
Concen: 20.368 ug/l
RT: 10.25 min Scan# 886
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:164 Resp: 312309
Ion Ratio Lower Upper
164 100
166 130.3 103.0 154.6
129 80.4 61.9 92.9
131 75.5 62.6 93.8



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

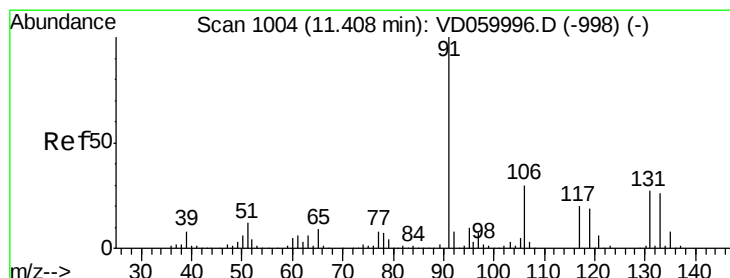
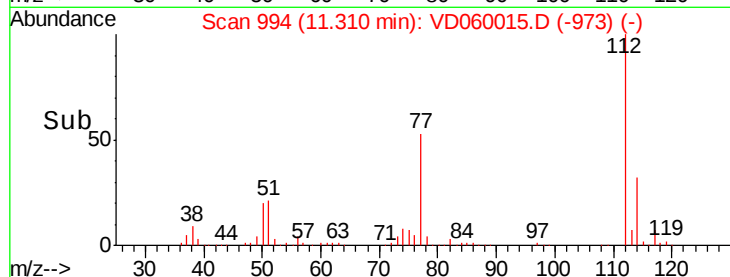
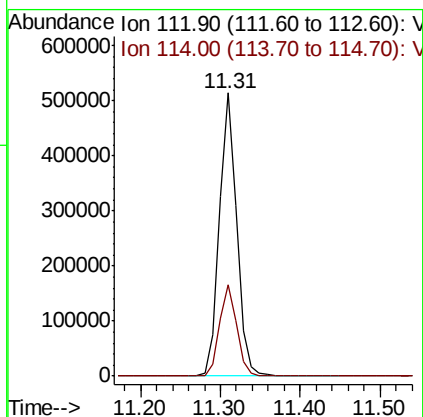
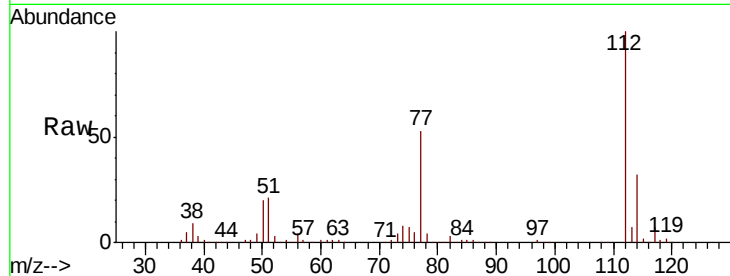




#65
Chlorobenzene
Concen: 21.252 ug/l
RT: 11.31 min Scan# 994
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

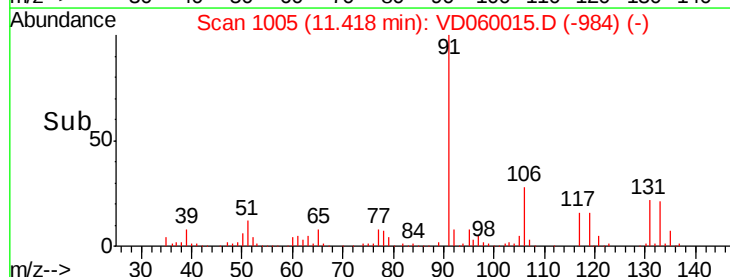
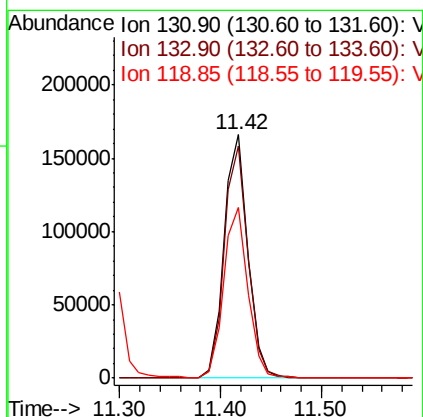
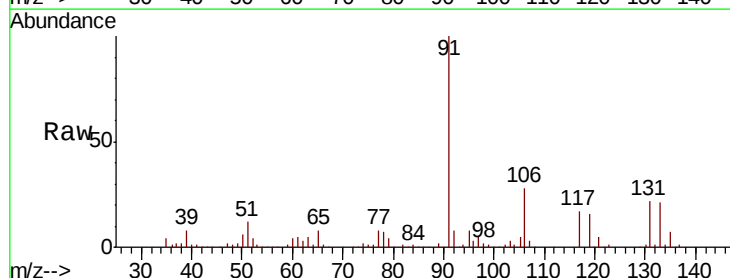
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 794064
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.607 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:131 Resp: 272301
Ion Ratio Lower Upper
131 100
133 95.3 47.4 142.3
119 70.3 35.6 106.9

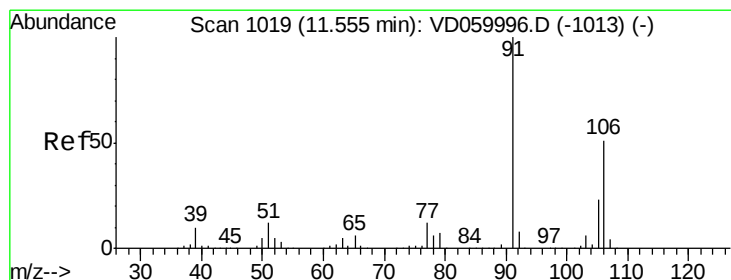
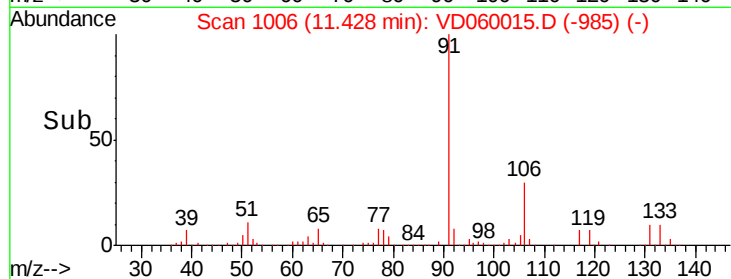
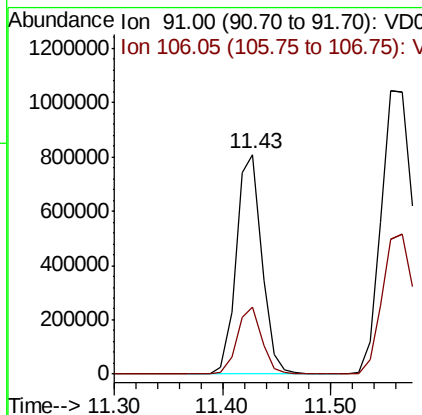
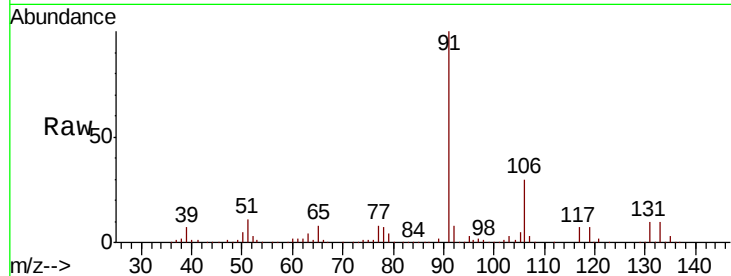




#67
Ethyl Benzene
Concen: 22.143 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

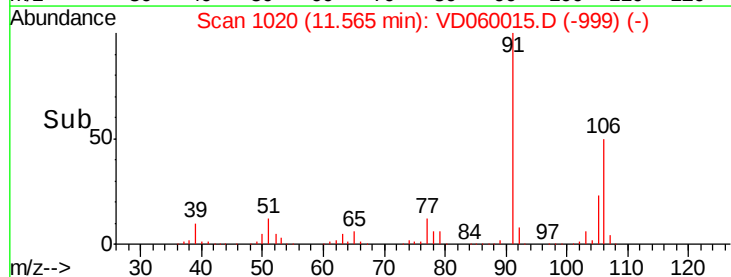
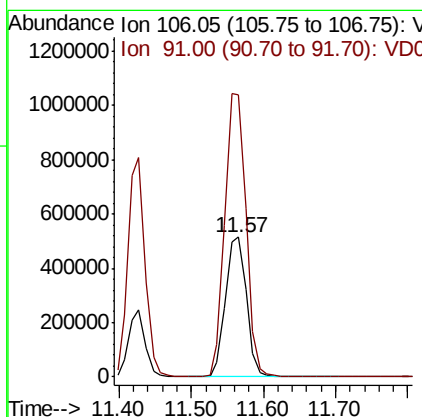
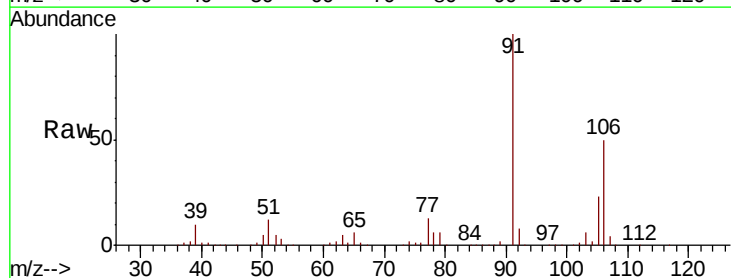
Instrument :
MSVOA_D
ClientSampleID :

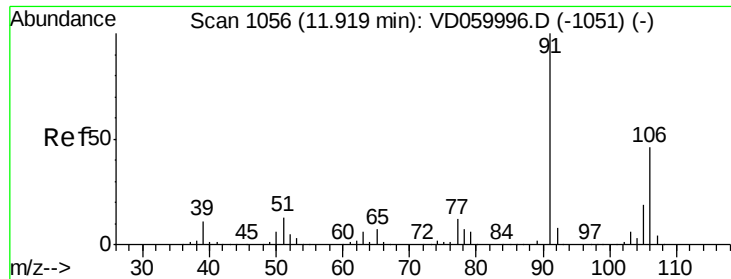
Tot Ion: 91 Resp: 1331437
Ion Ratio Lower Upper
91 100
106 30.5 24.8 37.2



#68
m/p-Xylenes
Concen: 46.610 ug/l
RT: 11.57 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 106 Resp: 1035074
Ion Ratio Lower Upper
106 100
91 201.5 157.0 235.6

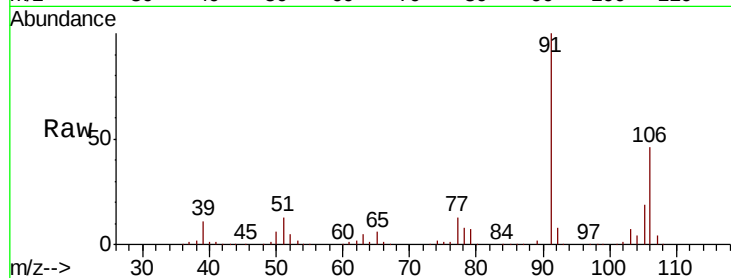




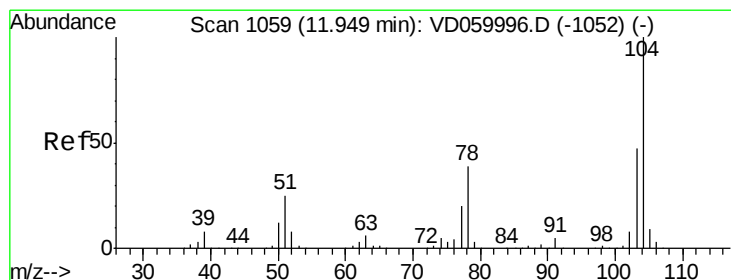
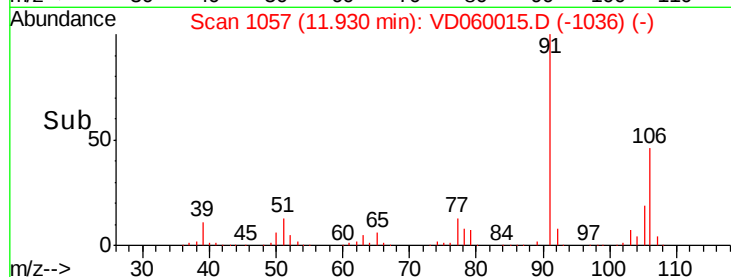
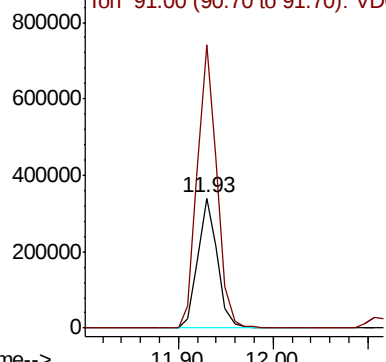
#69
o-Xylene
Concen: 21.903 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 481953
Ion Ratio Lower Upper
106 100
91 218.1 107.7 323.1

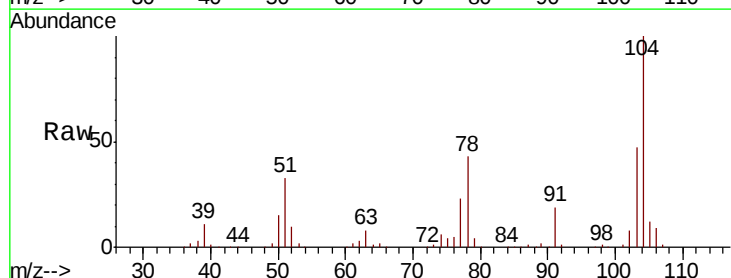


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

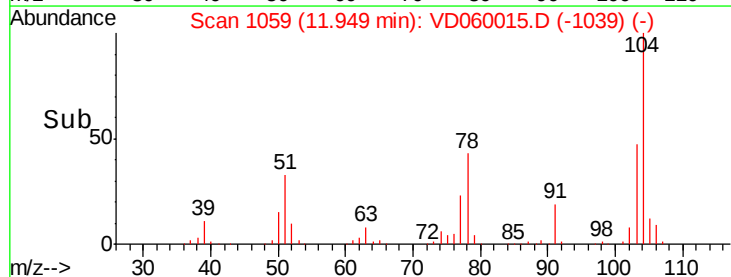
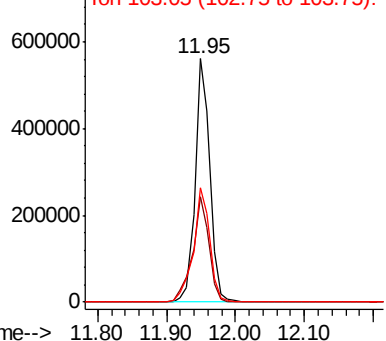


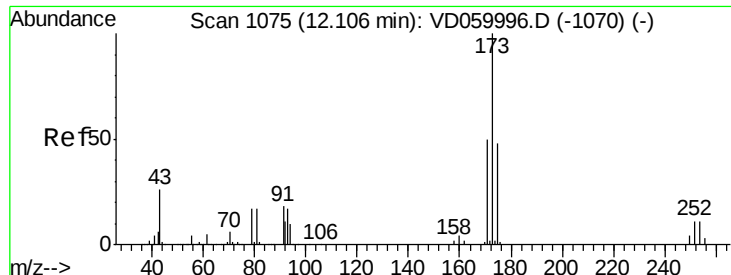
#70
Styrene
Concen: 22.325 ug/l
RT: 11.95 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:104 Resp: 825983
Ion Ratio Lower Upper
104 100
78 43.4 31.0 46.4
103 47.2 37.6 56.4



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





#71

Bromoform

Concen: 19.058 ug/l

RT: 12.12 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

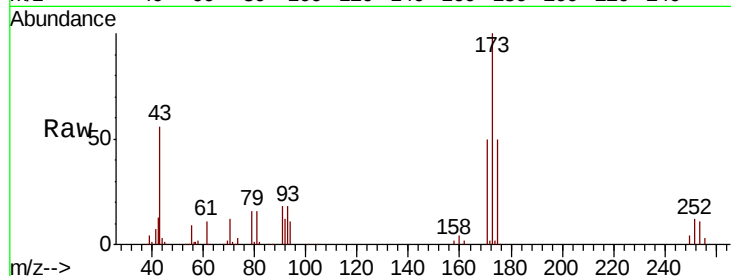
Tot Ion:173 Resp: 206351

Ion Ratio Lower Upper

173 100

175 50.3 24.0 72.0

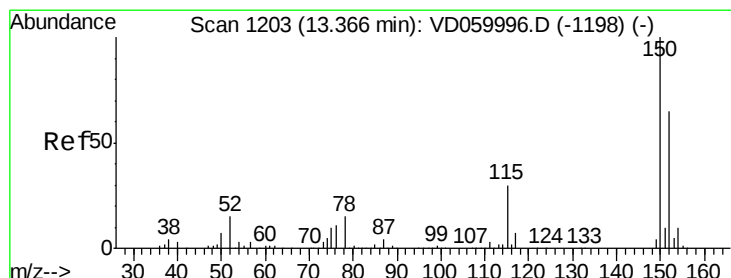
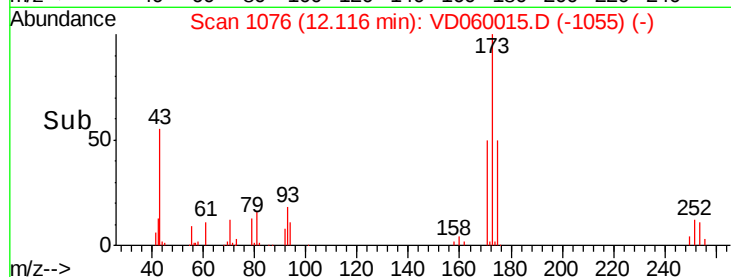
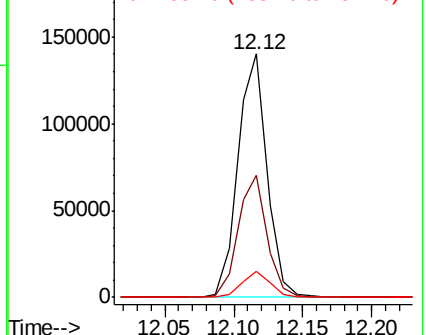
254 10.6 8.6 13.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

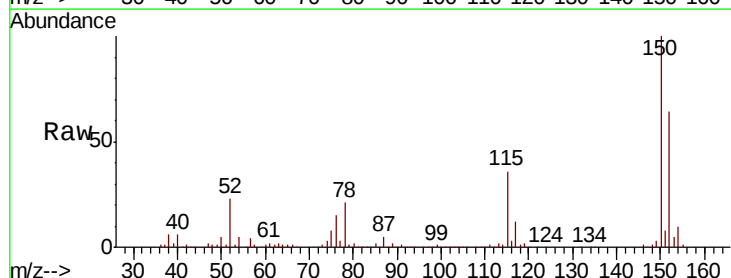
Tgt Ion:152 Resp: 934394

Ion Ratio Lower Upper

152 100

115 56.8 24.6 73.8

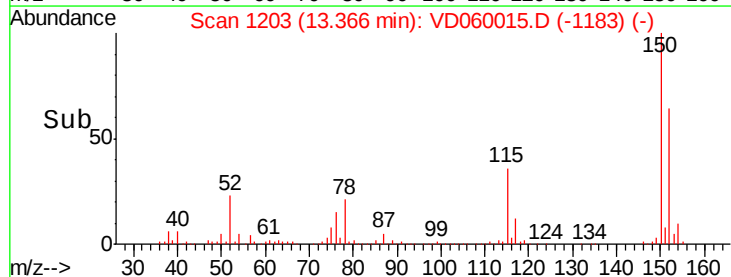
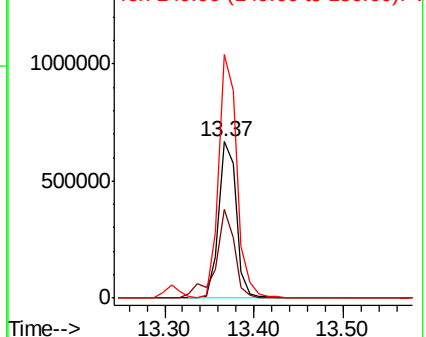
150 155.8 0.0 313.4

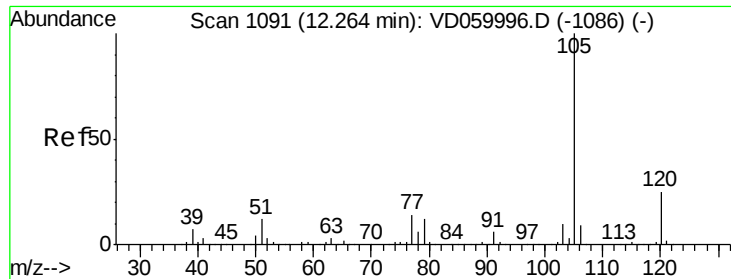


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.180 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

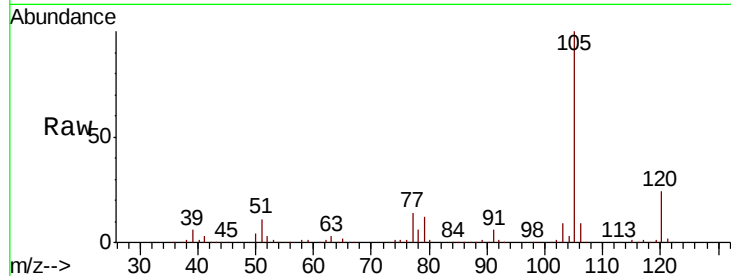
ClientSampleId :

Tot Ion:105 Resp: 1297940

Ion Ratio Lower Upper

105 100

120 24.1 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.27

800000

600000

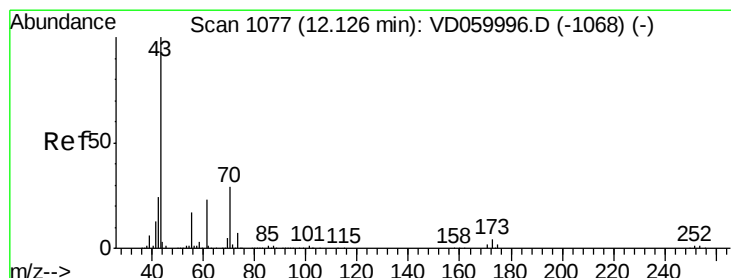
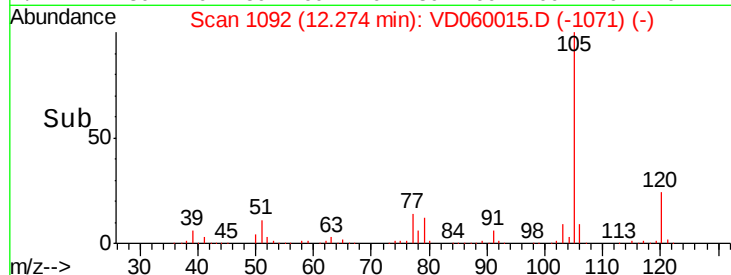
400000

200000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 19.922 ug/l

RT: 12.13 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Tgt Ion: 43 Resp: 483585

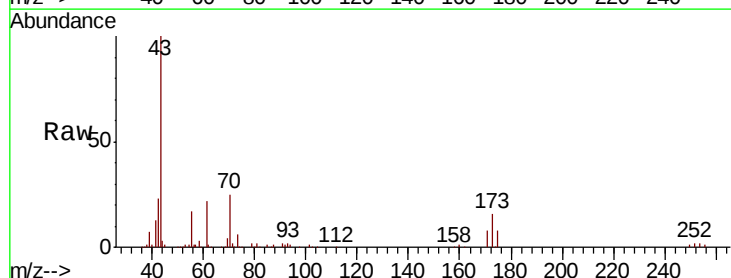
Ion Ratio Lower Upper

43 100

70 25.2 22.9 34.3

55 16.8 14.0 21.0

61 21.7 18.7 28.1



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

500000

400000

300000

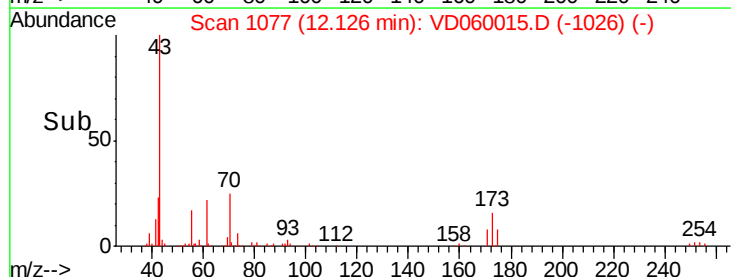
200000

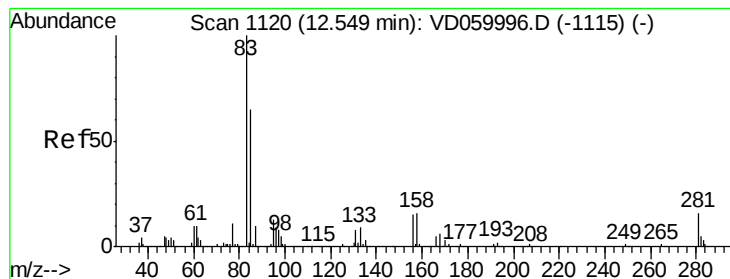
100000

0

12.10 12.20 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.768 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

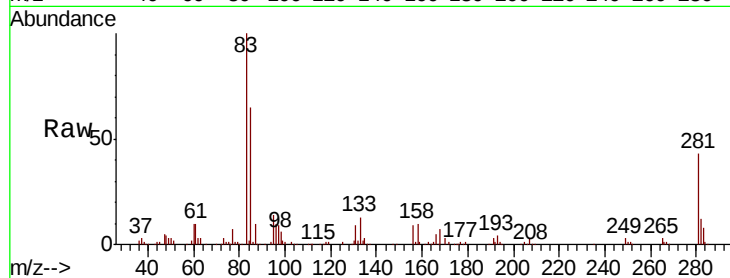
Tot Ion: 83 Resp: 288720

Ion Ratio Lower Upper

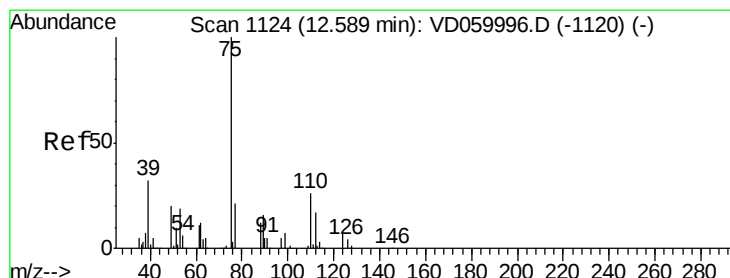
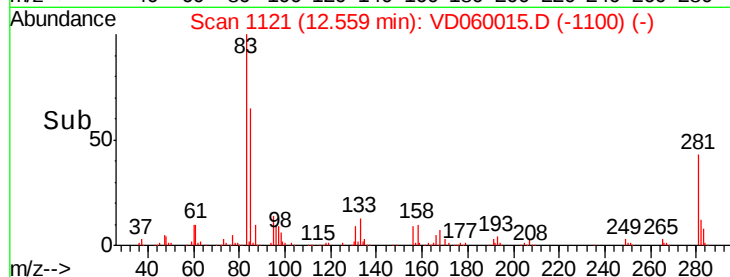
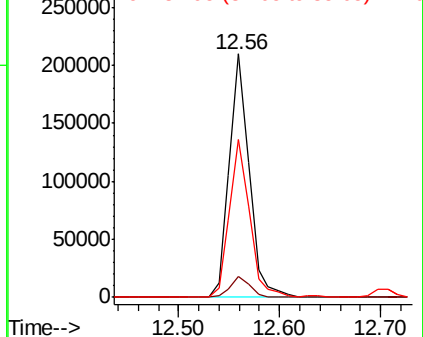
83 100

131 8.6 4.1 12.3

85 64.7 32.4 97.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.217 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060015.D

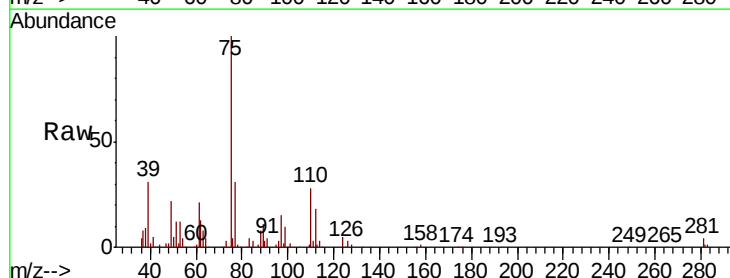
Acq: 17 Sep 2018 12:20

Tgt Ion: 75 Resp: 288507

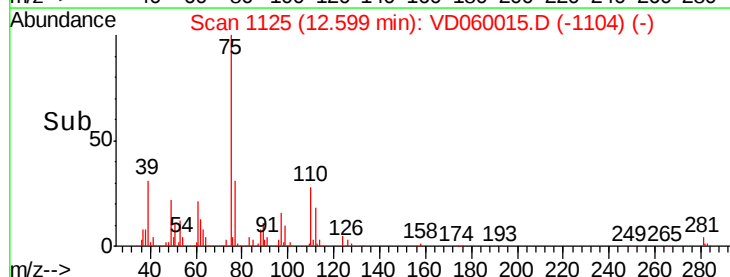
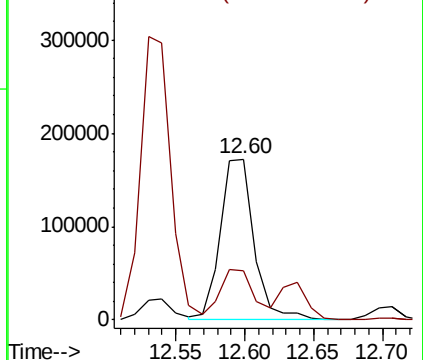
Ion Ratio Lower Upper

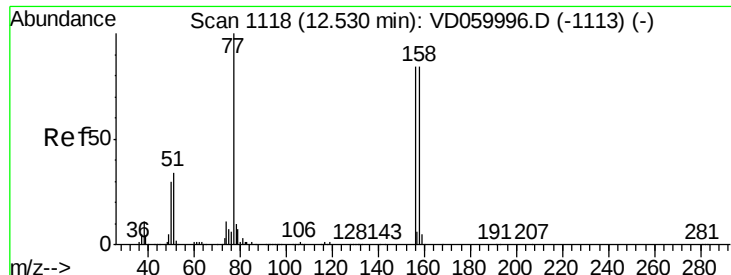
75 100

77 30.8 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.115 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

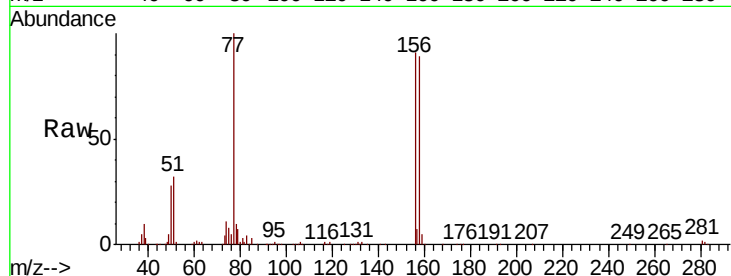
Tot Ion:156 Resp: 372731

Ion Ratio Lower Upper

156 100

77 109.9 59.5 178.4

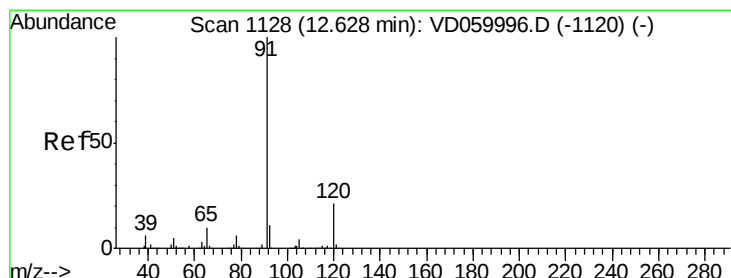
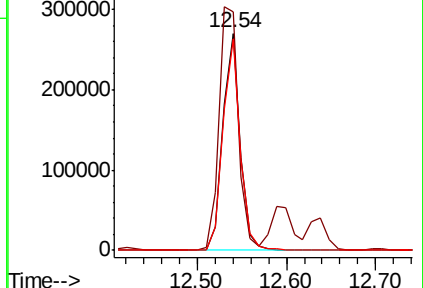
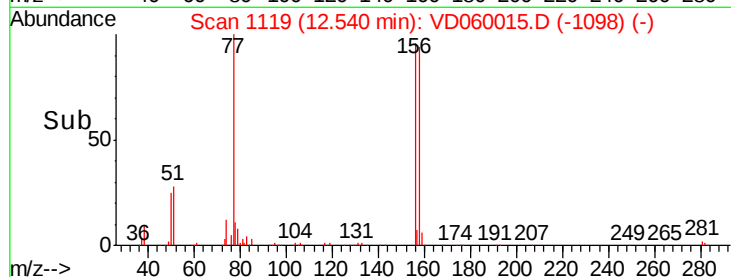
158 97.4 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.618 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060015.D

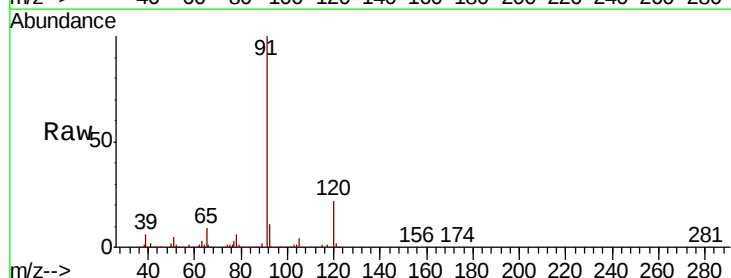
Acq: 17 Sep 2018 12:20

Tgt Ion: 91 Resp: 1665959

Ion Ratio Lower Upper

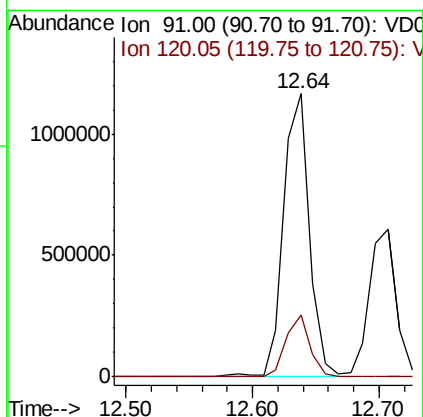
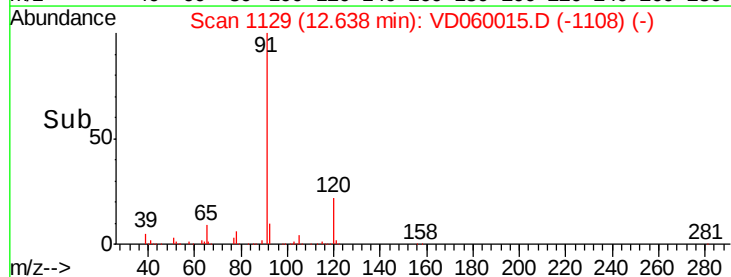
91 100

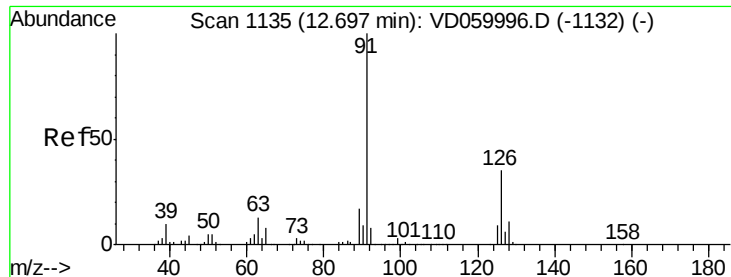
120 21.9 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

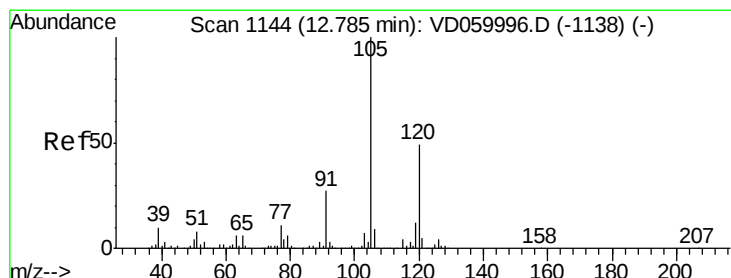
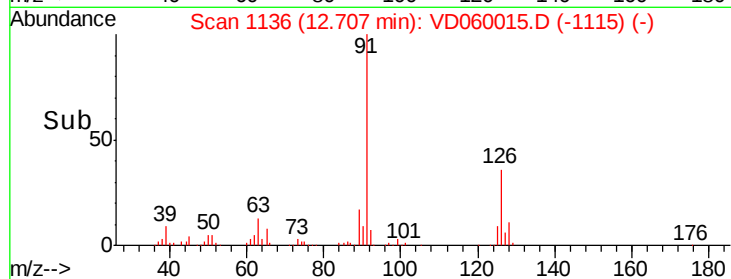
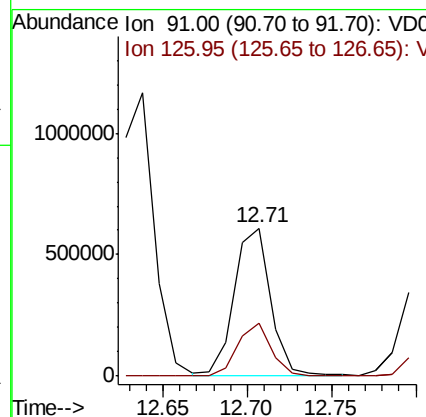
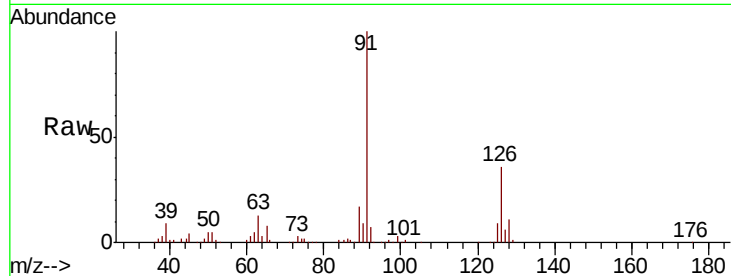




#79
 2-Chlorotoluene
 Concen: 20.810 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

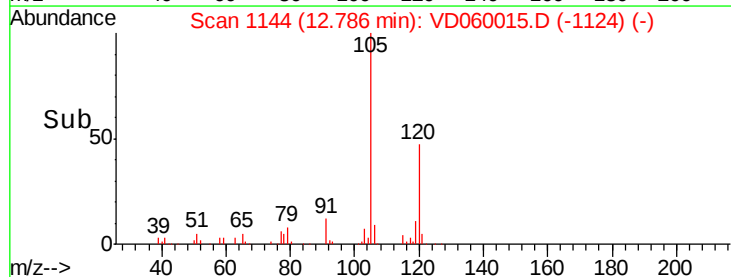
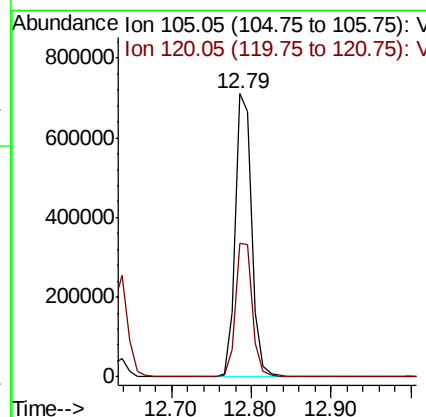
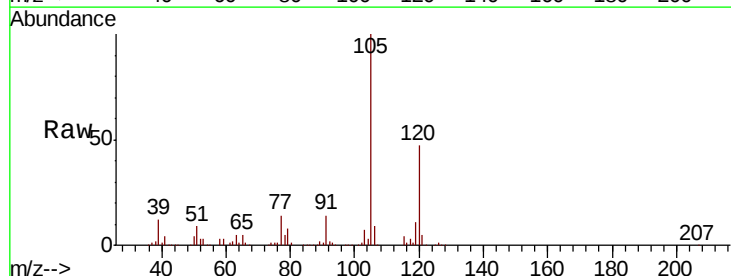
Instrument :
 MSVOA_D
 ClientSampleID :

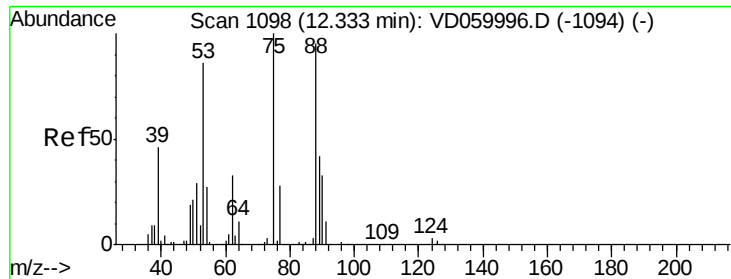
Tot Ion: 91 Resp: 905158
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.943 ug/l
 RT: 12.79 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 105 Resp: 1030699
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.174 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

ClientSampleId :

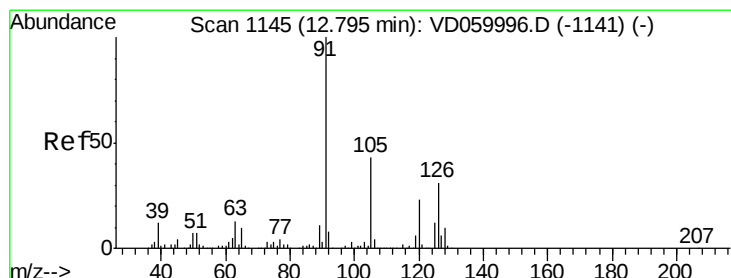
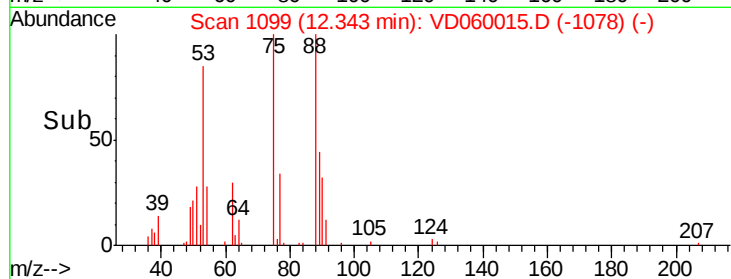
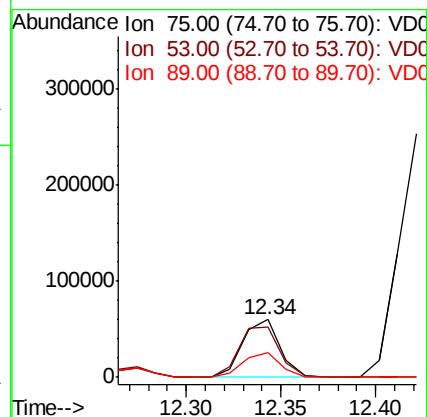
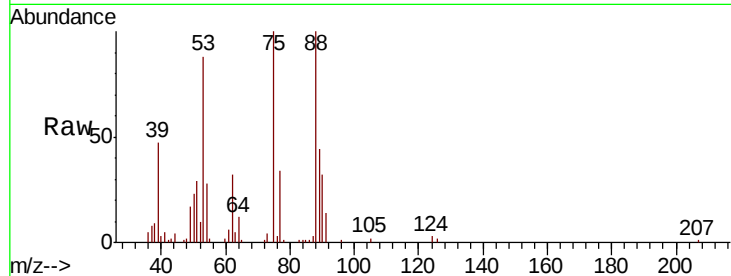
Tot Ion: 75 Resp: 82599

Ion Ratio Lower Upper

75 100

53 88.1 68.4 102.6

89 43.7 33.8 50.6



#82

4-Chlorotoluene

Concen: 21.181 ug/l

RT: 12.81 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD060015.D

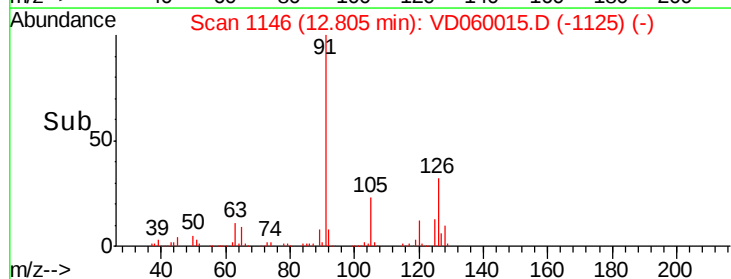
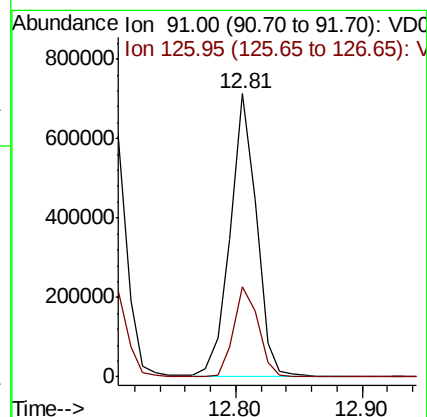
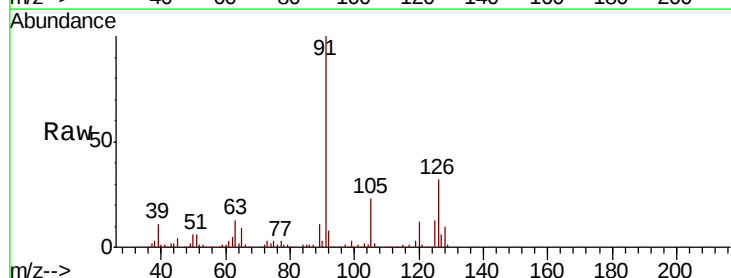
Acq: 17 Sep 2018 12:20

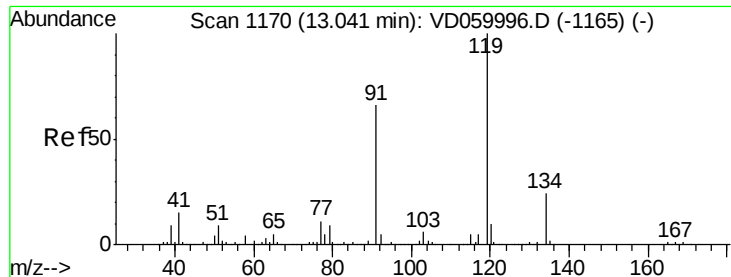
Tgt Ion: 91 Resp: 1012904

Ion Ratio Lower Upper

91 100

126 32.0 15.4 46.1

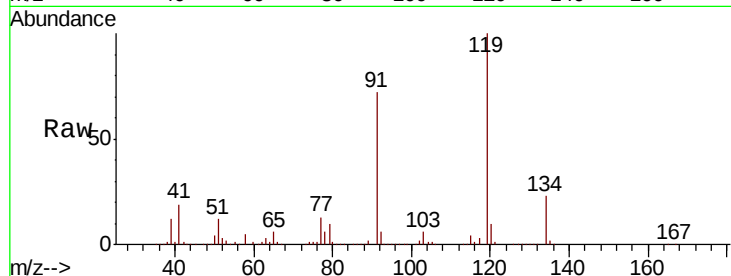




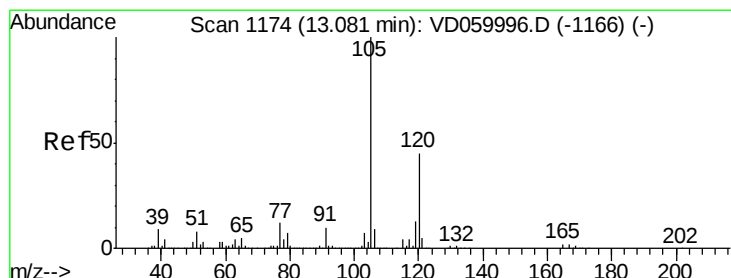
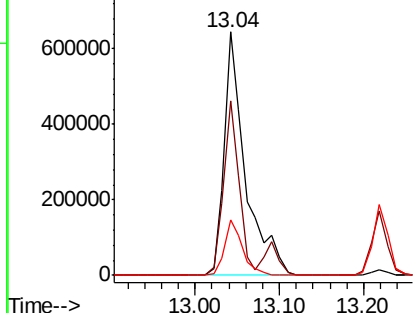
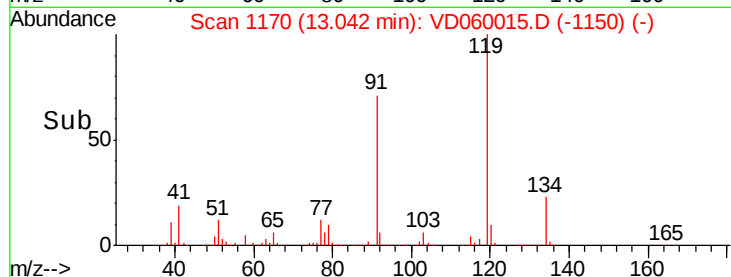
#83
tert-Butylbenzene
Concen: 21.022 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1143914
Ion Ratio Lower Upper
119 100
91 71.7 32.9 98.6
134 22.5 12.0 36.0

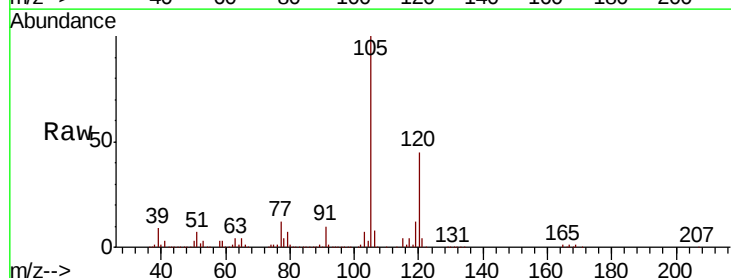


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

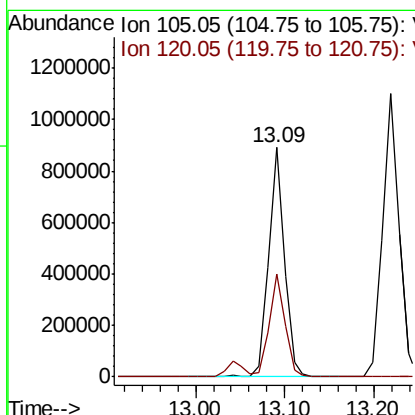
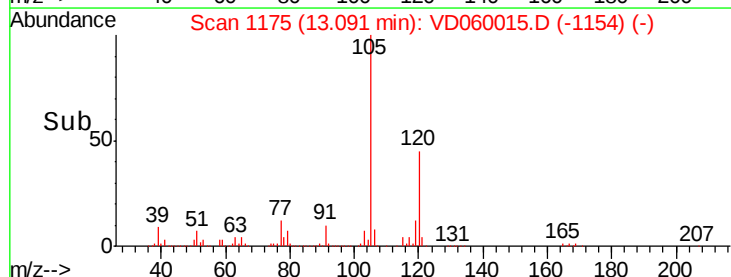


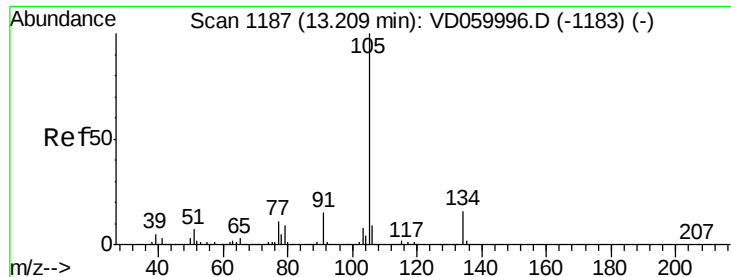
#84
1,2,4-Trimethylbenzene
Concen: 21.662 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:105 Resp: 1085789
Ion Ratio Lower Upper
105 100
120 44.9 22.4 67.0



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





#85

sec-Butylbenzene

Concen: 21.556 ug/l

RT: 13.22 min Scan# 1188

Delta R.T. 0.01 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

Instrument :

MSVOA_D

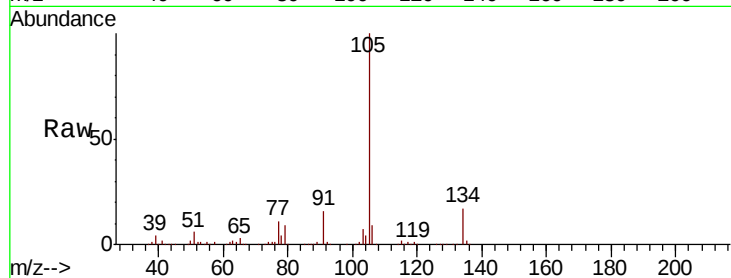
ClientSampleId :

Tot Ion:105 Resp: 1392371

Ion Ratio Lower Upper

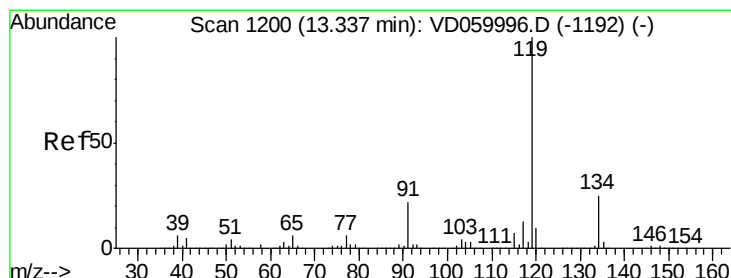
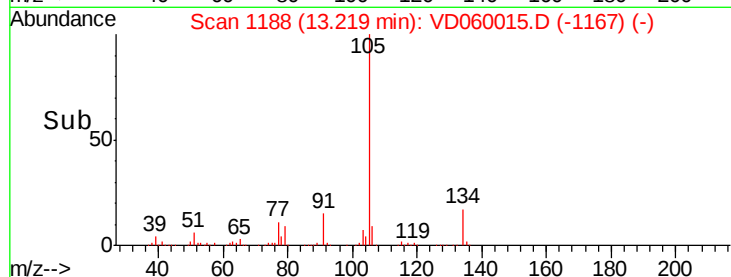
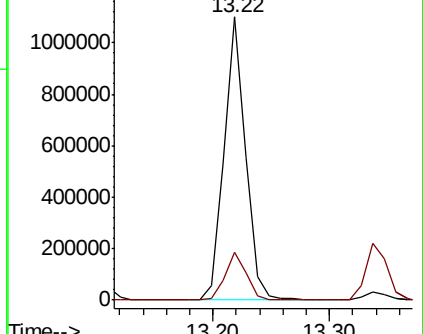
105 100

134 17.1 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.044 ug/l

RT: 13.34 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD060015.D

Acq: 17 Sep 2018 12:20

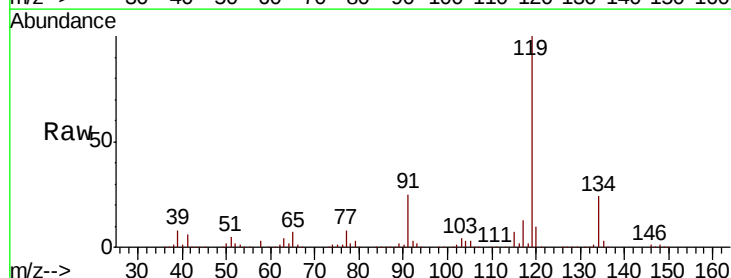
Tgt Ion:119 Resp: 1151667

Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

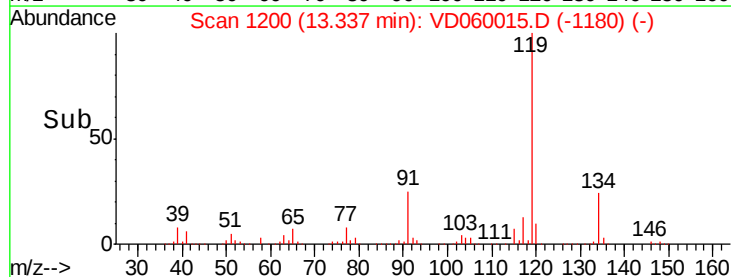
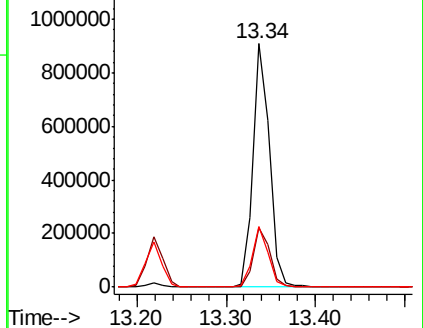
91 25.1 11.1 33.3

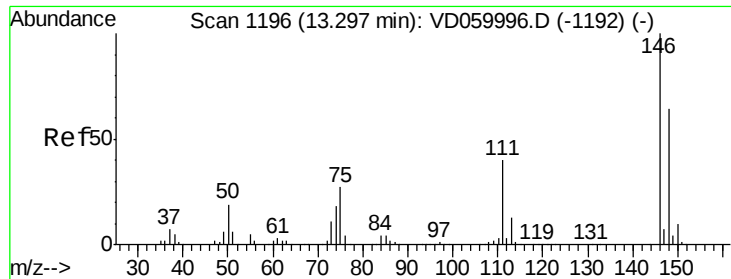


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

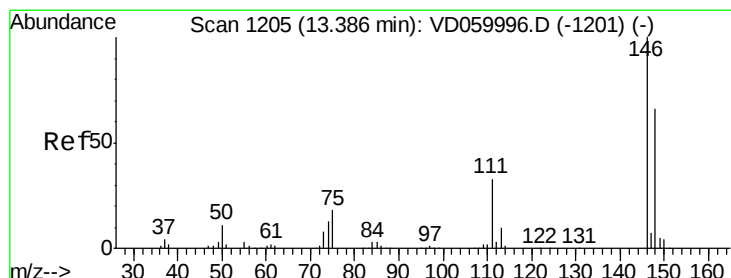
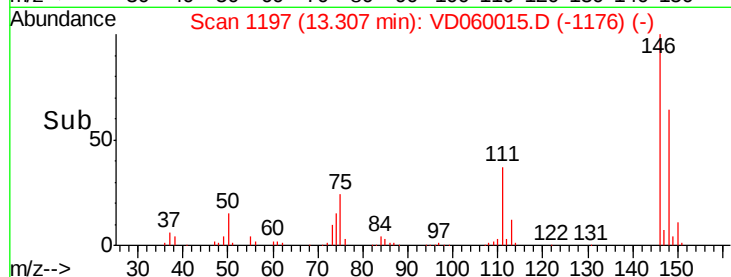
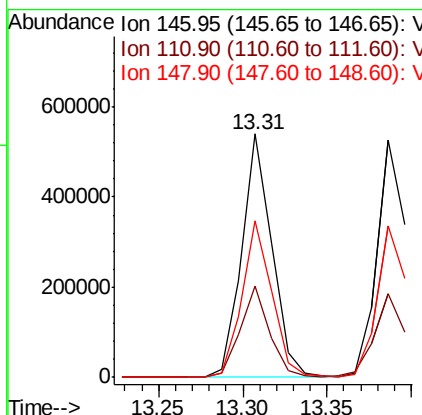
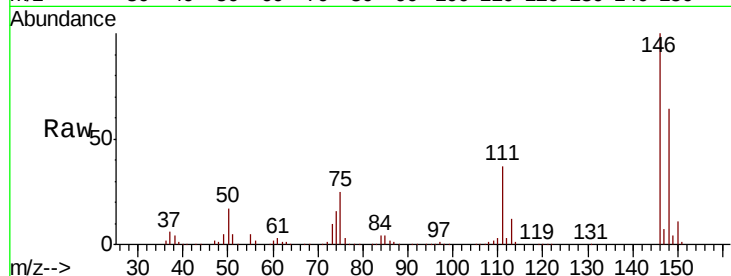




#87
 1,3-Dichlorobenzene
 Concen: 21.834 ug/l
 RT: 13.31 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

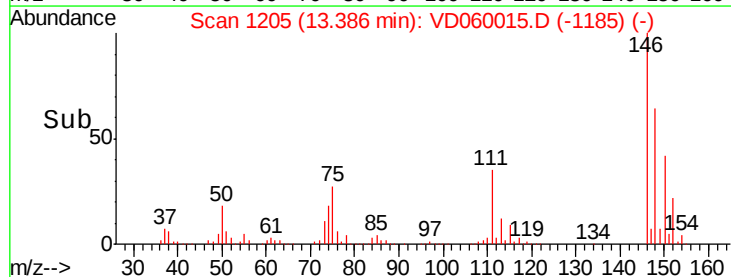
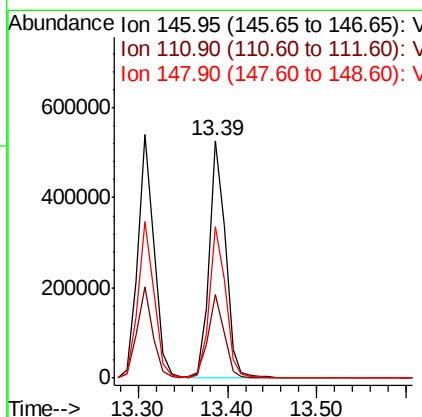
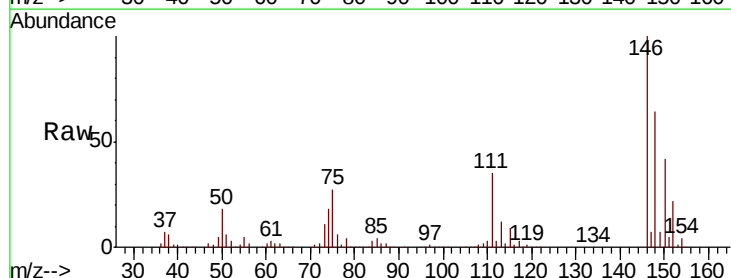
Instrument :
 MSVOA_D
 ClientSampleId :

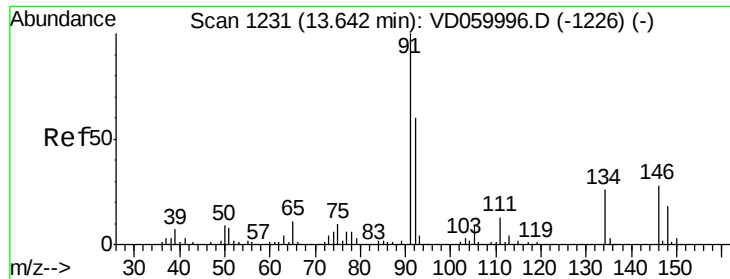
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	20.2	60.5
148	64.5	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.166 ug/l
 RT: 13.39 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	16.7	50.0
148	63.9	32.9	98.6

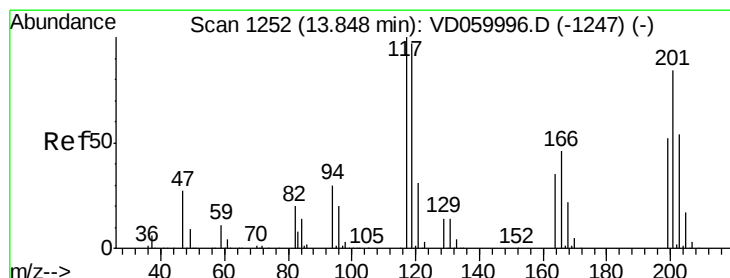
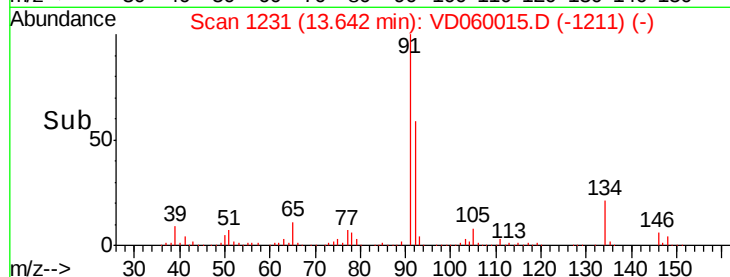
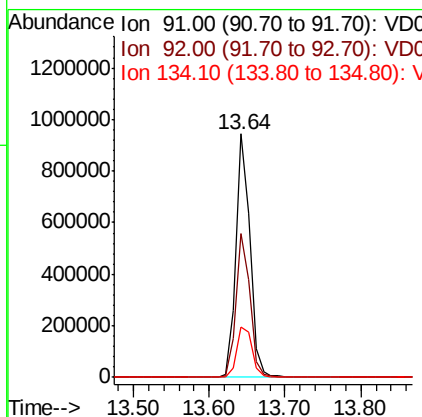
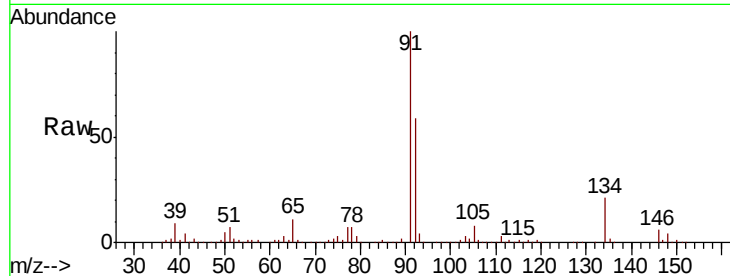




#89
n-Butylbenzene
Concen: 21.143 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

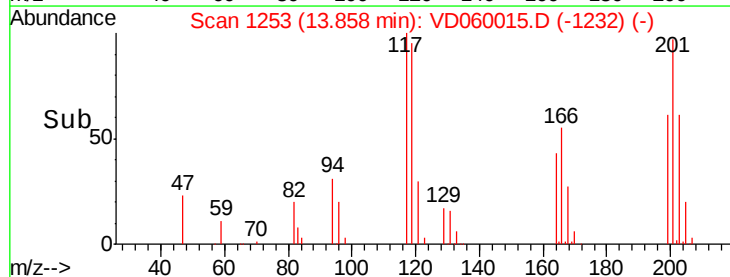
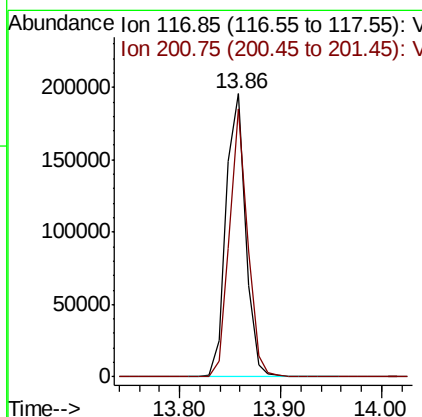
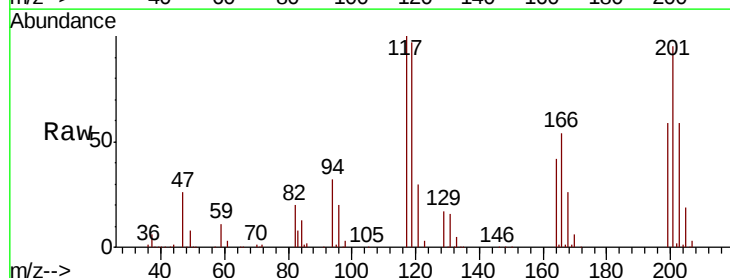
Instrument :
MSVOA_D
ClientSampleId :

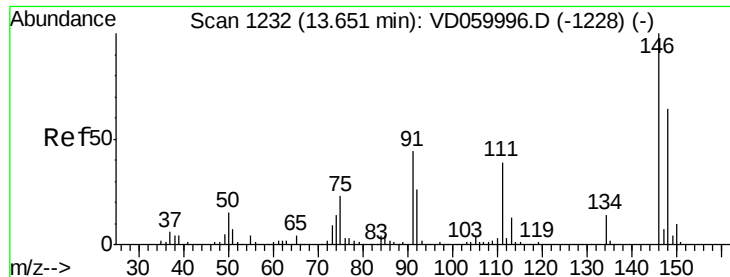
Tot Ion: 91 Resp: 1188529
Ion Ratio Lower Upper
91 100
92 59.2 29.8 89.3
134 20.9 13.2 39.6



#90
Hexachloroethane
Concen: 20.381 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion: 117 Resp: 263725
Ion Ratio Lower Upper
117 100
201 94.7 42.1 126.4

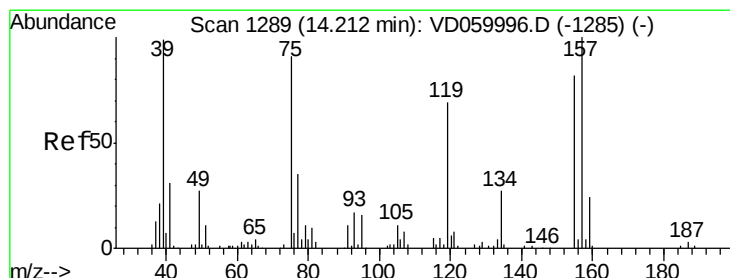
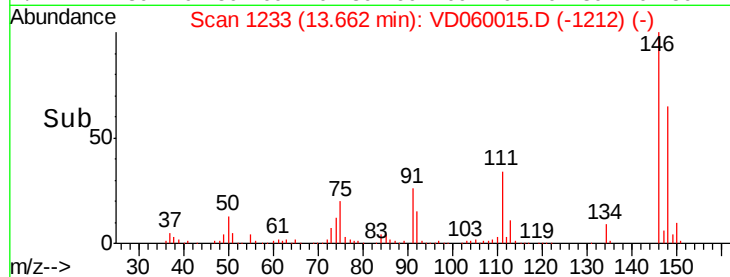
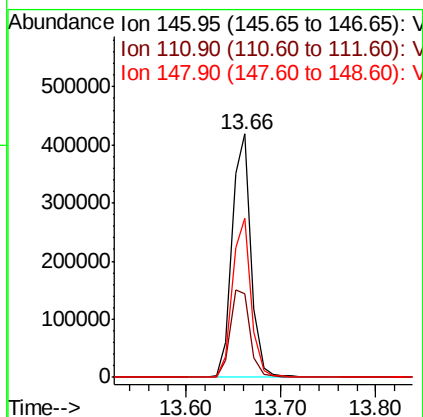
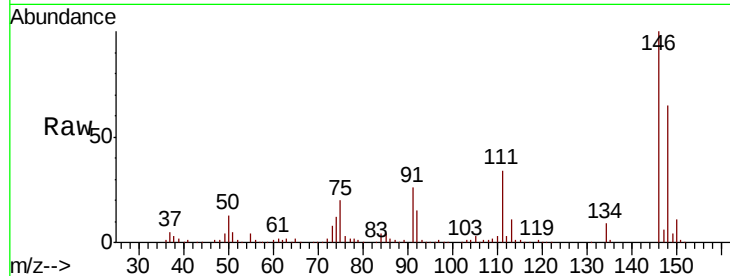




#91
 1,2-Dichlorobenzene
 Concen: 20.298 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

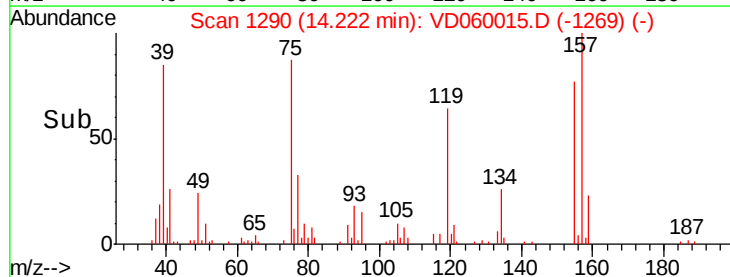
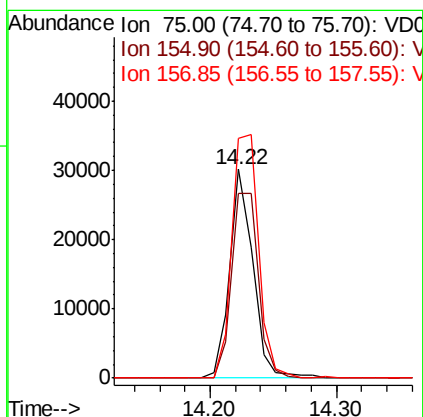
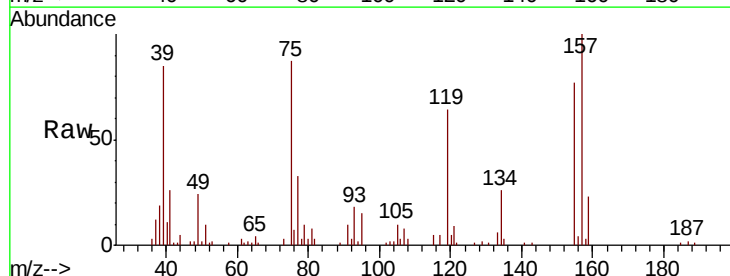
Instrument :
 MSVOA_D
 ClientSampleId :

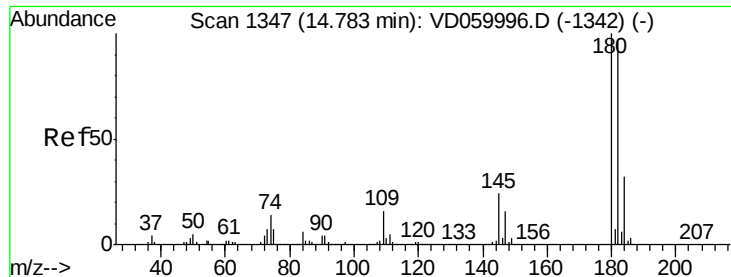
Tot Ion:146 Resp: 576993
 Ion Ratio Lower Upper
 146 100
 111 34.4 19.6 58.7
 148 65.4 31.9 95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.941 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion: 75 Resp: 38023
 Ion Ratio Lower Upper
 75 100
 155 88.7 44.7 134.1
 157 114.9 54.7 164.1

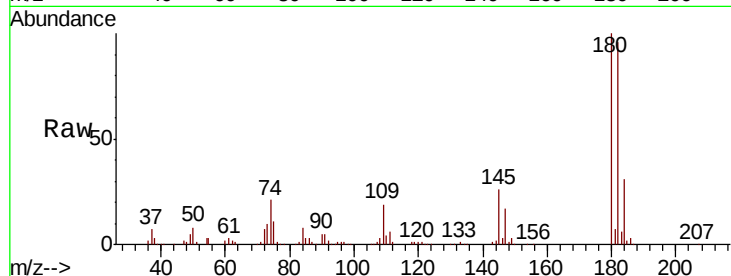




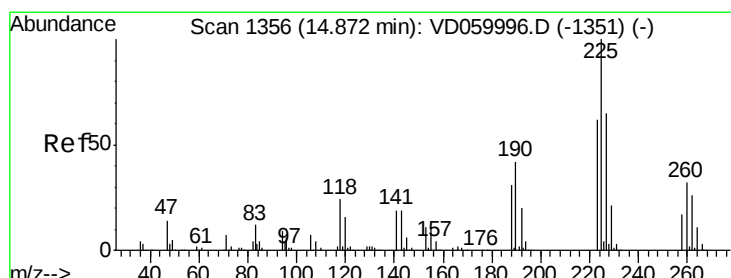
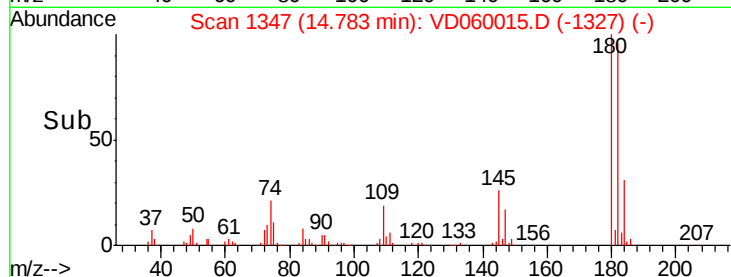
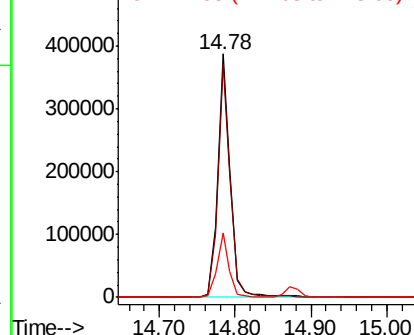
#93
 1,2,4-Trichlorobenzene
 Concen: 20.820 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 455454
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.5 145.6
 145 26.3 11.9 35.7

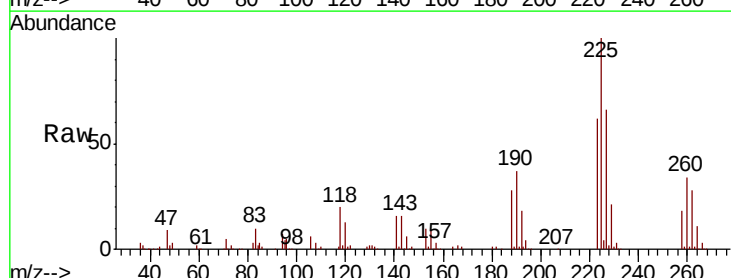


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

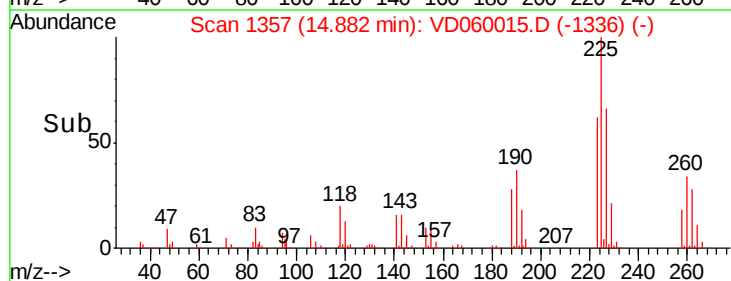
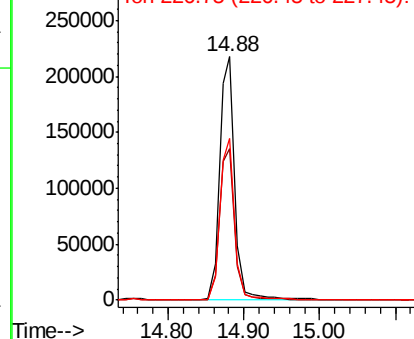


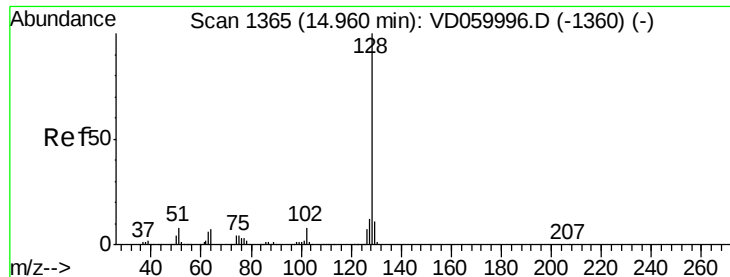
#94
 Hexachlorobutadiene
 Concen: 21.360 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060015.D
 Acq: 17 Sep 2018 12:20

Tgt Ion:225 Resp: 309098
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 66.3 32.3 96.8



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

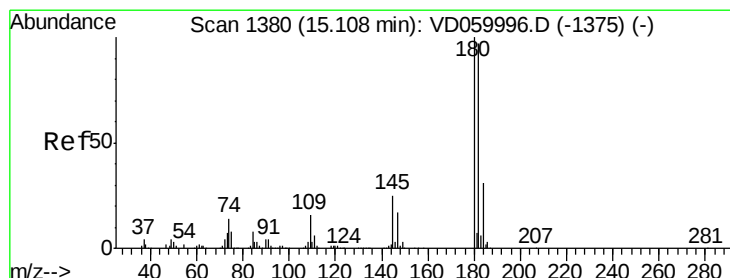
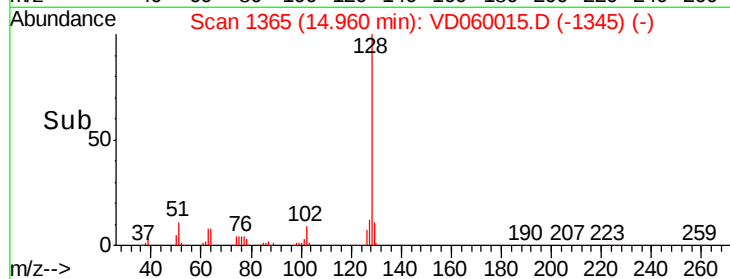
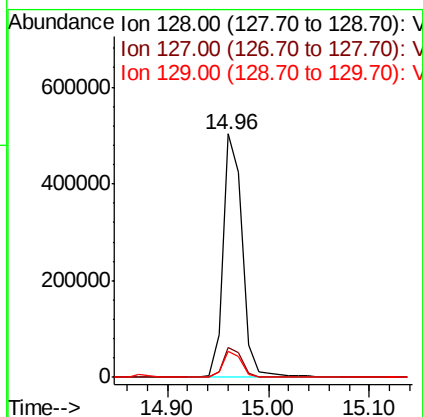
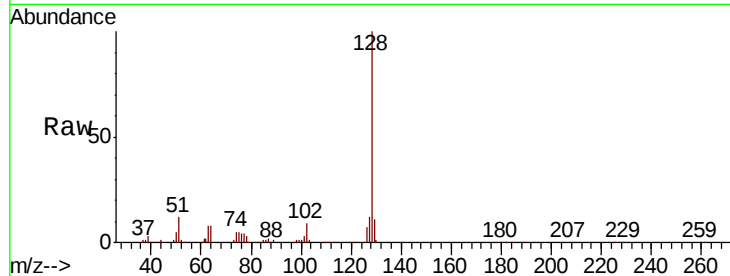




#95
Naphthalene
Concen: 19.667 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 664429
Ion Ratio Lower Upper
128 100
127 12.3 9.7 14.5
129 10.8 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.248 ug/l
RT: 15.11 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD060015.D
Acq: 17 Sep 2018 12:20

Tgt Ion:180 Resp: 390347
Ion Ratio Lower Upper
180 100
182 98.3 48.6 145.9
145 30.7 12.7 38.1

