

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091718\
 Data File : VD060012.D
 Acq On : 17 Sep 2018 10:31
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 17 13:51:03 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	6.41	168	1698488	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2347663	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1932963	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	988682	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	693503	52.36	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	6.32	113	962807	52.49	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	9.46	98	2728428	53.68	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.36%	
62) 4-Bromofluorobenzene	12.43	95	1045742	53.85	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	901117	50.261	ug/l	100
3) Chloromethane	1.75	50	799441	50.479	ug/l	98
4) Vinyl Chloride	1.85	62	646038	50.744	ug/l	98
5) Bromomethane	2.14	94	97069	64.413	ug/l	88
6) Chloroethane	2.25	64	184944	64.977	ug/l	98
7) Trichlorofluoromethane	2.50	101	784354	55.959	ug/l	96
8) Diethyl Ether	2.82	74	159545	53.546	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.08	101	481791	54.510	ug/l	99
10) Methyl Iodide	3.24	142	519840	55.531	ug/l	96
11) Tert butyl alcohol	3.96	59	241736	226.181	ug/l	100
12) 1,1-Dichloroethene	3.06	96	383252	54.840	ug/l	99
13) Acrolein	2.97	56	199948	302.103	ug/l	95
14) Allyl chloride	3.53	41	790066	53.606	ug/l	99
15) Acrylonitrile	4.08	53	994811	246.587	ug/l	99
16) Acetone	3.15	43	701110	274.162	ug/l	96
17) Carbon Disulfide	3.31	76	1323003	54.944	ug/l	100
18) Methyl Acetate	3.54	43	256458	49.312	ug/l	98
19) Methyl tert-butyl Ether	4.12	73	1647822	51.031	ug/l	100
20) Methylene Chloride	3.71	84	963725	53.463	ug/l	100
21) trans-1,2-Dichloroethene	4.09	96	946116	51.589	ug/l	96
22) Diisopropyl ether	4.84	45	3461471	51.488	ug/l	93
23) Vinyl Acetate	4.79	43	9556924	250.925	ug/l	99
24) 1,1-Dichloroethane	4.75	63	1586776	52.595	ug/l	100
25) 2-Butanone	5.62	43	1603178	232.319	ug/l	99
26) 2,2-Dichloropropane	5.58	77	1268356	54.076	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	997464	51.996	ug/l	99
28) Bromochloromethane	5.92	49	770220	53.111	ug/l	95
29) Tetrahydrofuran	5.95	42	870994	235.352	ug/l	98
30) Chloroform	6.09	83	1596240	52.173	ug/l	99
31) Cyclohexane	6.36	56	1434049	48.751	ug/l	100
32) 1,1,1-Trichloroethane	6.29	97	1337724	52.717	ug/l	100
36) 1,1-Dichloropropene	6.52	75	1205195	51.680	ug/l	97
37) Ethyl Acetate	5.69	43	783407	48.850	ug/l	99
38) Carbon Tetrachloride	6.50	117	1112322	51.095	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1379177	52.280	ug/l	97
40) Benzene	6.79	78	3130028	52.660	ug/l	100
41) Methacrylonitrile	5.94	41	900358	107.193	ug/l #	88
42) 1,2-Dichloroethane	6.89	62	894784	50.136	ug/l	99
43) Isopropyl Acetate	8.35	43	1028755	47.912	ug/l #	99
44) Trichloroethene	7.74	130	949078	51.681	ug/l	97
45) 1,2-Dichloropropane	8.10	63	826459	52.000	ug/l	100
46) Dibromomethane	8.21	93	523535	50.485	ug/l	97
47) Bromodichloromethane	8.48	83	1156828	51.741	ug/l	99
48) Methyl methacrylate	8.25	41	590937	49.415	ug/l	96
49) 1,4-Dioxane	8.23	88	110772	932.608	ug/l	99
51) 4-Methyl-2-Pentanone	9.34	43	3207543	223.556	ug/l	99
52) Toluene	9.55	92	1995902	52.388	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	1070779	51.350	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	1279511	51.356	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	636774	48.138	ug/l	97
56) Ethyl methacrylate	10.03	69	746923	50.907	ug/l	99
57) 1,3-Dichloropropane	10.38	76	989635	50.683	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1866870	263.493	ug/l	99
59) 2-Hexanone	10.49	43	2517066	249.166	ug/l	98
60) Dibromochloromethane	10.64	129	832850	51.728	ug/l	98
61) 1,2-Dibromoethane	10.76	107	690274	50.541	ug/l	95
64) Tetrachloroethene	10.26	164	877482	51.452	ug/l	99
65) Chlorobenzene	11.32	112	2149295	51.718	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.42	131	746283	53.242	ug/l	99
67) Ethyl Benzene	11.43	91	3517905	52.602	ug/l	99
68) m/p-Xylenes	11.56	106	2625199	106.285	ug/l	96
69) o-Xylene	11.94	106	1304931	53.320	ug/l	96
70) Styrene	11.96	104	2159616	52.481	ug/l	99
71) Bromoform	12.12	173	625421	51.934	ug/l	98
73) Isopropylbenzene	12.28	105	3452057	53.238	ug/l	99
74) N-amyl acetate	12.14	43	1328647	51.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	747705	50.830	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	768785	50.913	ug/l	99
77) Bromobenzene	12.54	156	1006782	53.901	ug/l	92
78) n-propylbenzene	12.64	91	4200228	51.511	ug/l	96
79) 2-Chlorotoluene	12.71	91	2427775	52.751	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	2731307	54.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	233867	51.308	ug/l	97
82) 4-Chlorotoluene	12.81	91	2712527	53.608	ug/l	93
83) tert-Butylbenzene	13.05	119	3146759	54.653	ug/l	98
84) 1,2,4-Trimethylbenzene	13.10	105	2793057	52.663	ug/l	98
85) sec-Butylbenzene	13.23	105	3528404	51.625	ug/l	97
86) p-Isopropyltoluene	13.35	119	2906342	52.576	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	1727843	53.196	ug/l	96
88) 1,4-Dichlorobenzene	13.40	146	1715264	52.064	ug/l	98
89) n-Butylbenzene	13.65	91	2892045	57.374	ug/l	99
90) Hexachloroethane	13.86	117	765788	55.931	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	1432083	55.618	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	105998	47.268	ug/l	58

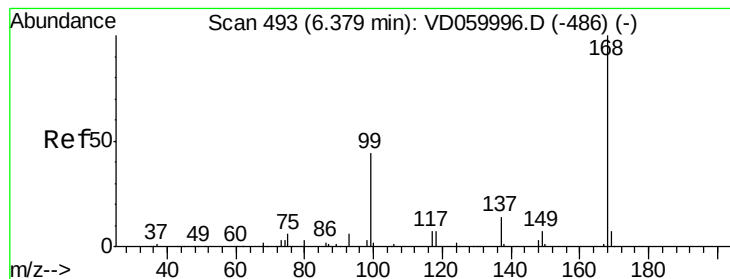
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091718\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1250202	54.012	ug/l	98
94) Hexachlorobutadiene	14.88	225	837316	54.686	ug/l	100
95) Naphthalene	14.97	128	1805572	50.510	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	1059681	51.950	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

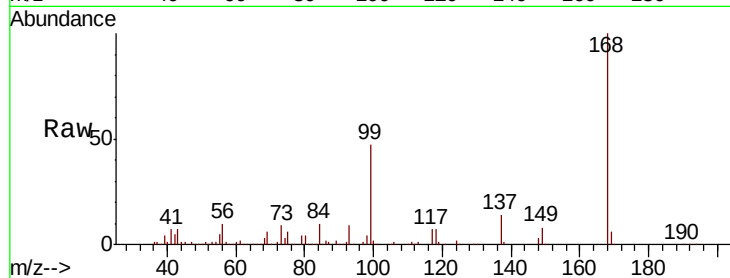
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1698488

Ion Ratio Lower Upper

168 100

99 46.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.41

600000

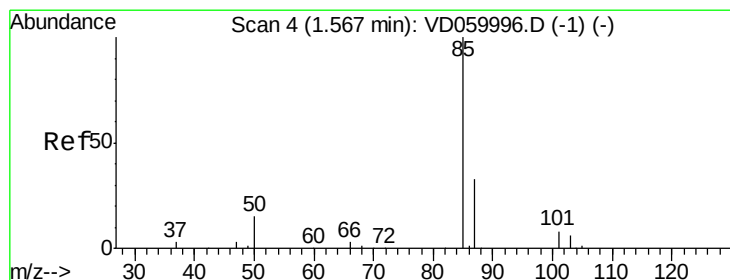
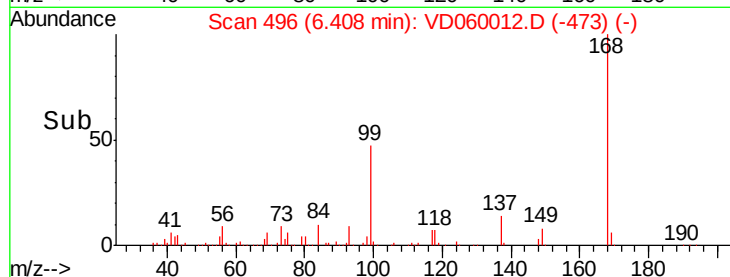
400000

200000

0

6.30 6.40 6.50 6.60

Time-->



#2

Dichlorodifluoromethane

Concen: 50.261 ug/l

RT: 1.59 min Scan# 6

Delta R.T. 0.02 min

Lab File: VD060012.D

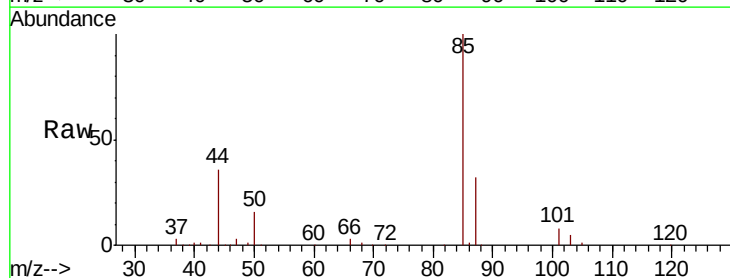
Acq: 17 Sep 2018 10:31

Tgt Ion: 85 Resp: 901117

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

400000

300000

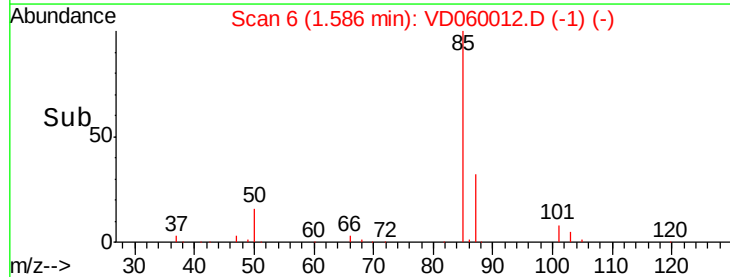
200000

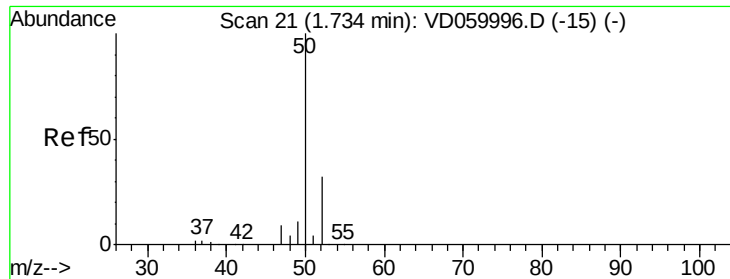
100000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 50.479 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

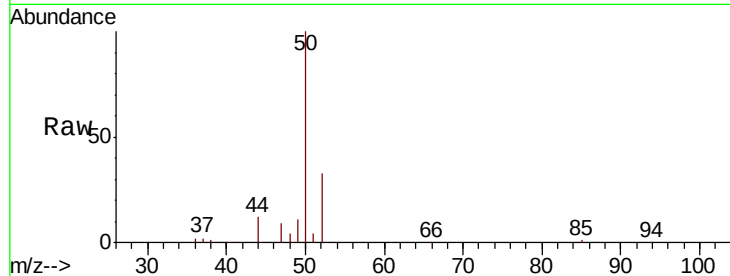
ClientSampleId :

Tot Ion: 50 Resp: 799441

Ion Ratio Lower Upper

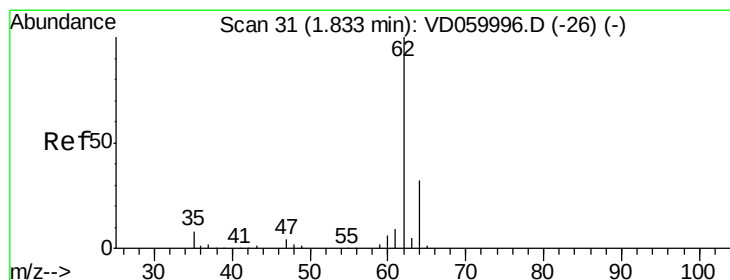
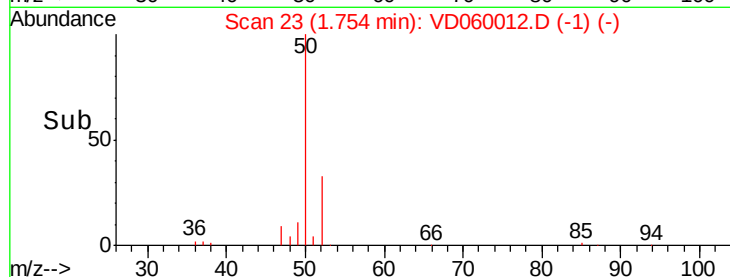
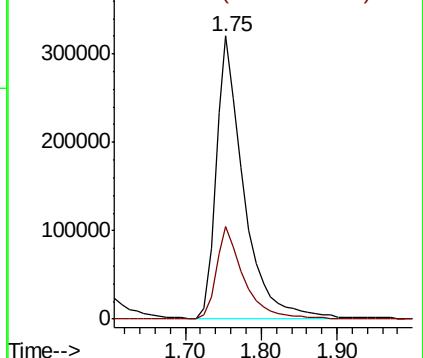
50 100

52 32.6 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: 50.744 ug/l

RT: 1.85 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD060012.D

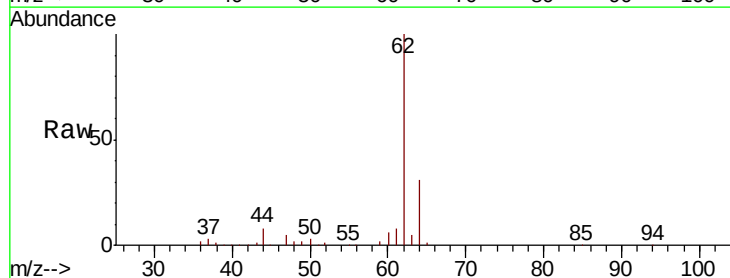
Acq: 17 Sep 2018 10:31

Tgt Ion: 62 Resp: 646038

Ion Ratio Lower Upper

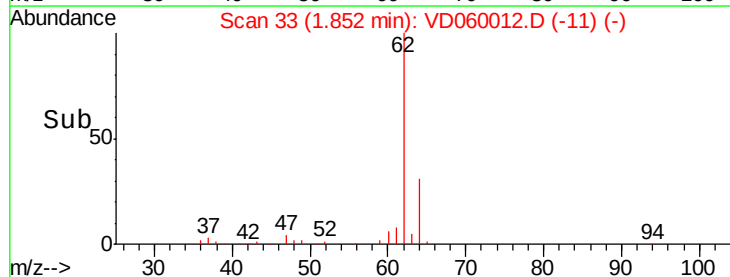
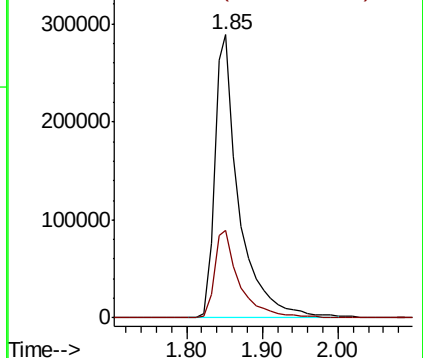
62 100

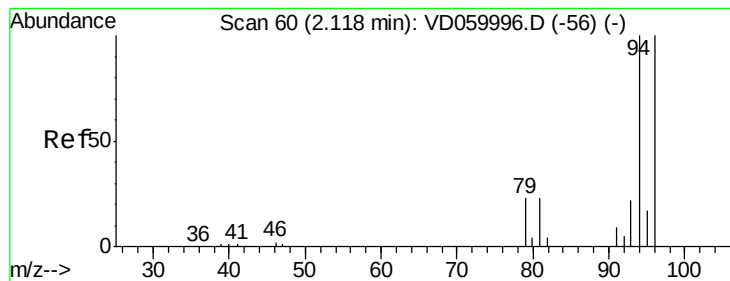
64 31.0 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 64.413 ug/l

RT: 2.14 min Scan# 62

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

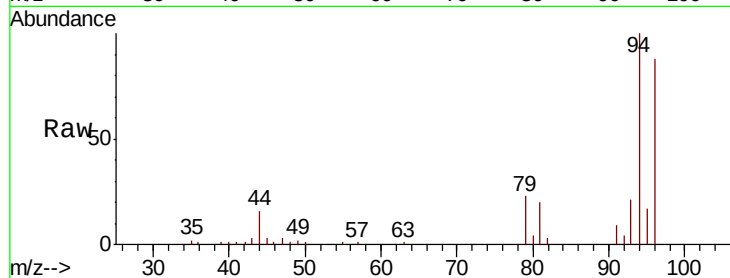
ClientSampleId :

Tot Ion: 94 Resp: 97069

Ion Ratio Lower Upper

94 100

96 88.0 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.14

40000

30000

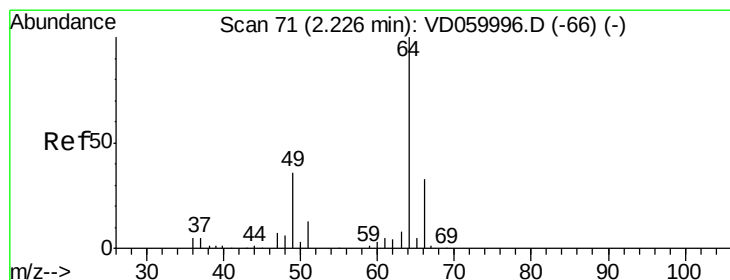
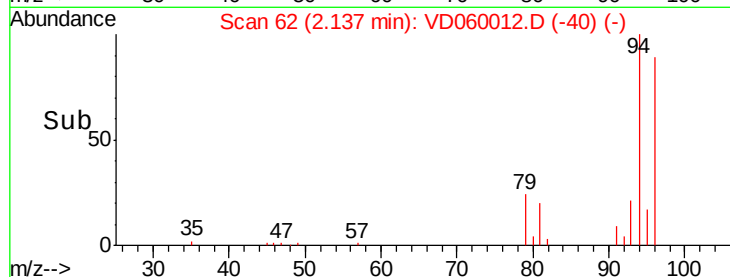
20000

10000

0

Time-->

2.10 2.20 2.30



#6

Chloroethane

Concen: 64.977 ug/l

RT: 2.25 min Scan# 73

Delta R.T. 0.02 min

Lab File: VD060012.D

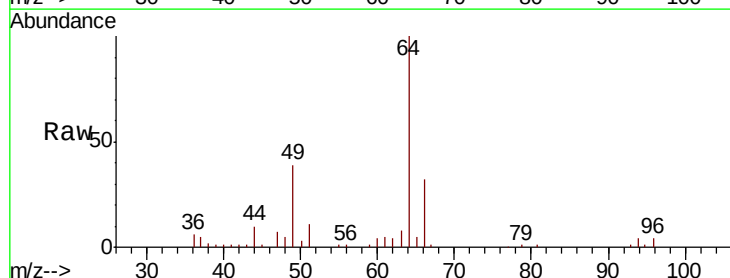
Acq: 17 Sep 2018 10:31

Tgt Ion: 64 Resp: 184944

Ion Ratio Lower Upper

64 100

66 31.7 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

80000

60000

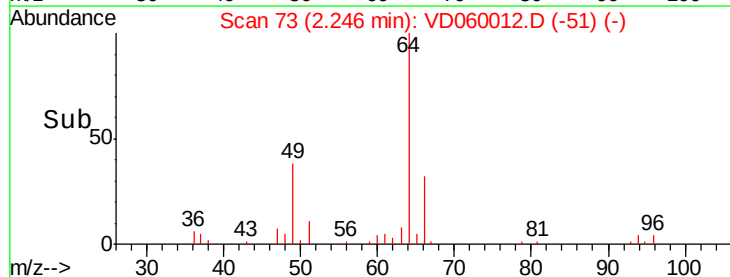
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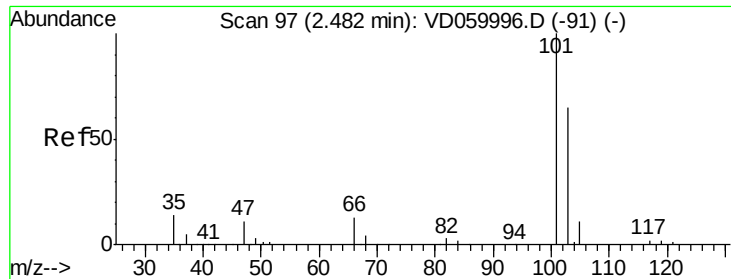
20000

0

Time-->

2.10 2.20 2.30 2.40



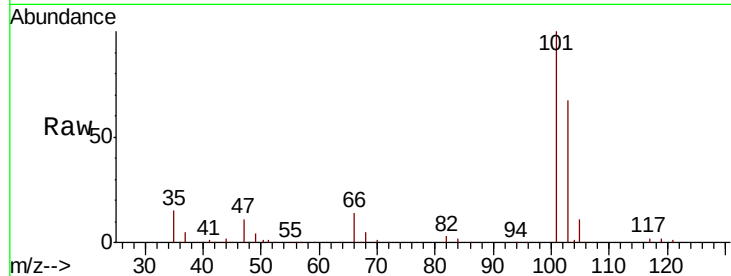


#7

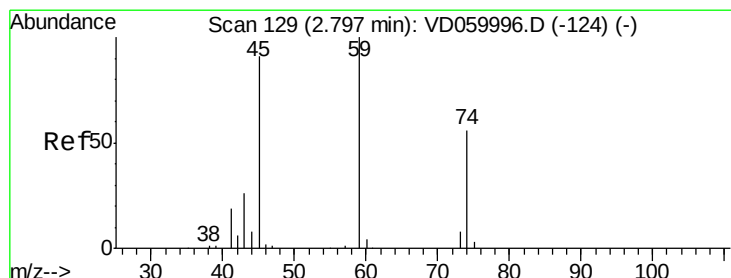
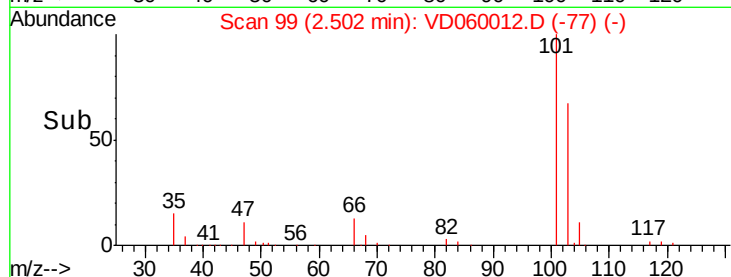
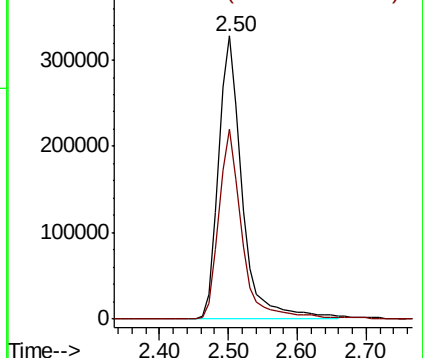
Trichlorofluoromethane
 Concen: 55.959 ug/l
 RT: 2.50 min Scan# 99
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 784354
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.6 77.4



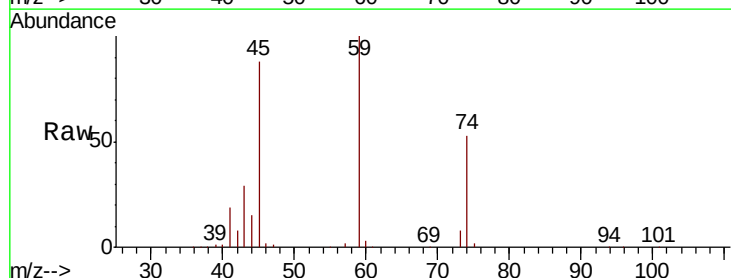
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



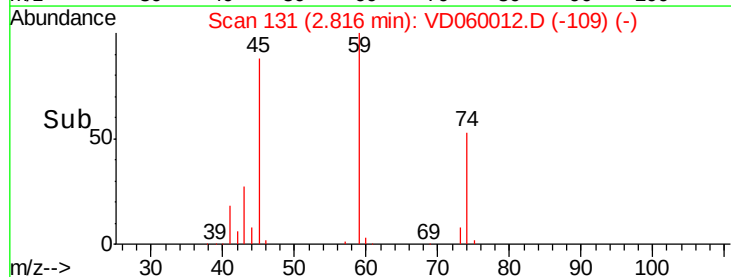
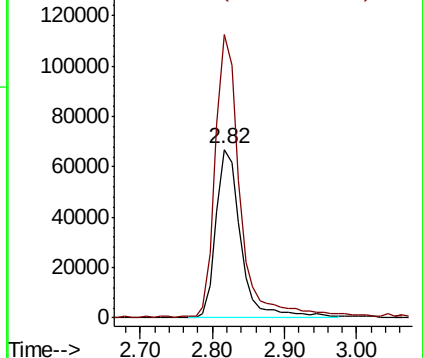
#8

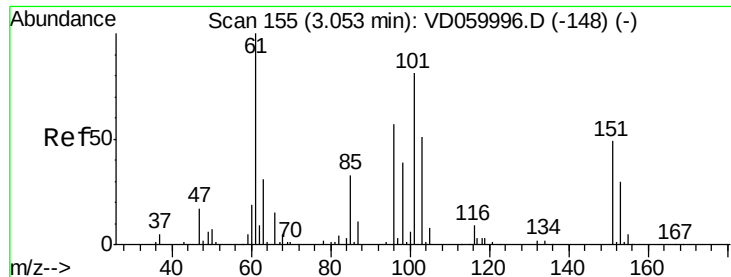
Diethyl Ether
 Concen: 53.546 ug/l
 RT: 2.82 min Scan# 131
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 74 Resp: 159545
 Ion Ratio Lower Upper
 74 100
 45 167.8 81.2 243.4



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.510 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

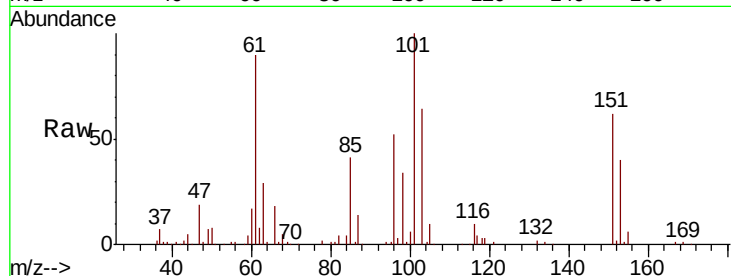
Tot Ion:101 Resp: 481791

Ion Ratio Lower Upper

101 100

85 41.5 33.1 49.7

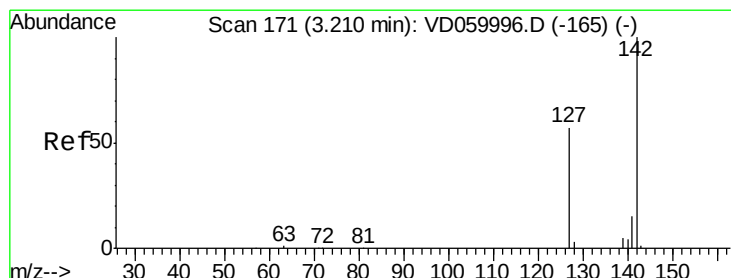
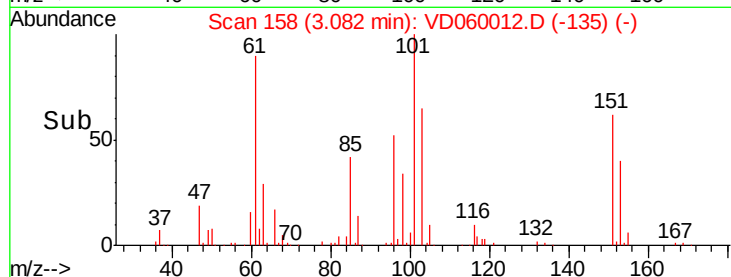
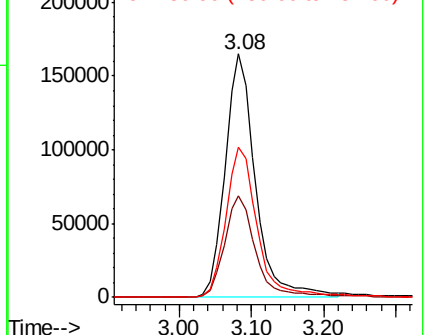
151 61.6 48.2 72.4



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: 55.531 ug/l

RT: 3.24 min Scan# 174

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

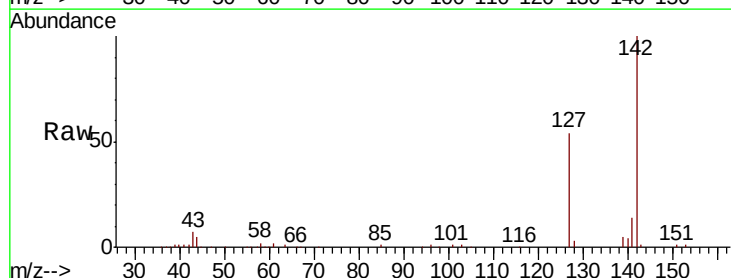
Tgt Ion:142 Resp: 519840

Ion Ratio Lower Upper

142 100

127 53.7 45.8 68.8

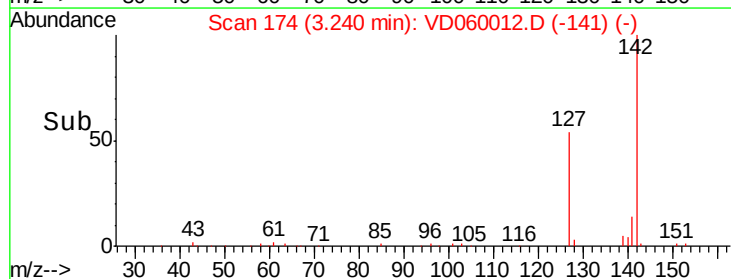
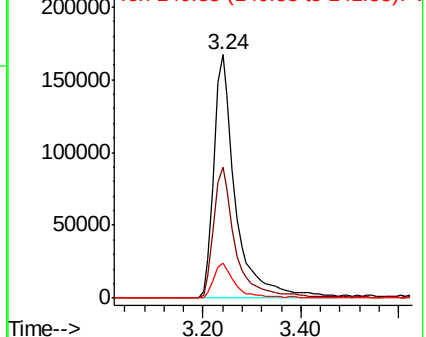
141 14.3 12.2 18.4

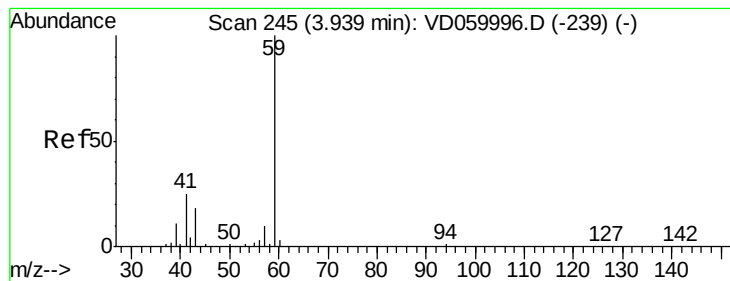


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



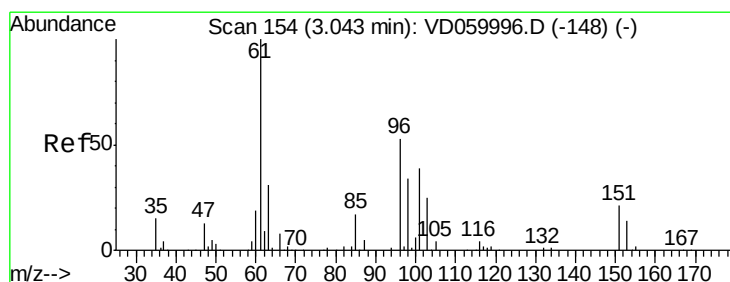
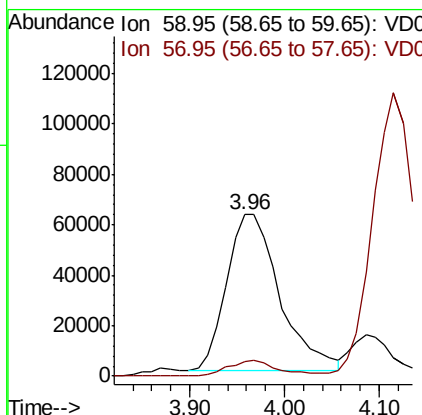
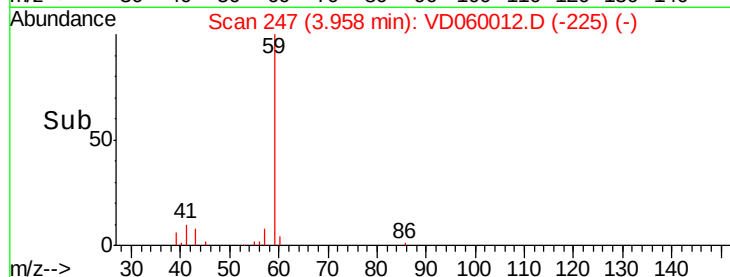
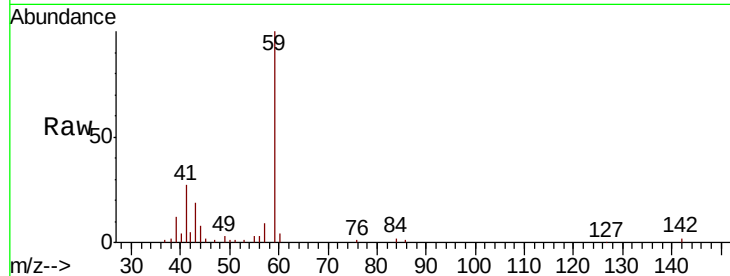


#11

Tert butyl alcohol
 Concen: 226.181 ug/l
 RT: 3.96 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampled :

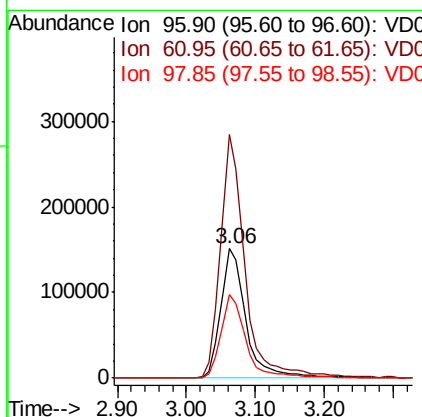
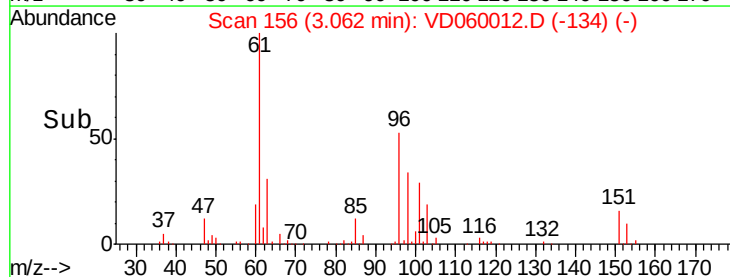
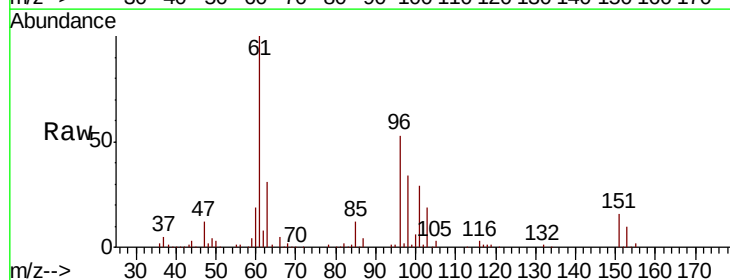
Tot Ion: 59 Resp: 241736
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.4 11.2

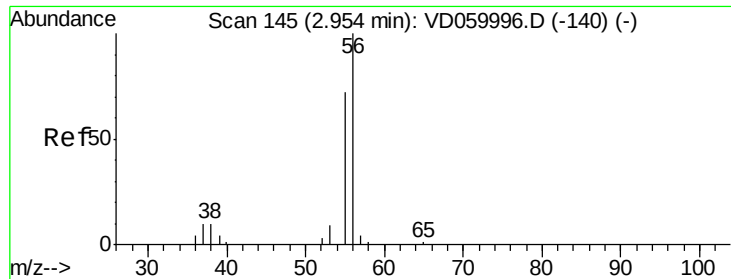


#12

1,1-Dichloroethene
 Concen: 54.840 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 96 Resp: 383252
 Ion Ratio Lower Upper
 96 100
 61 187.9 149.8 224.6
 98 64.2 50.2 75.4





#13

Acrolein

Concen: 302.103 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

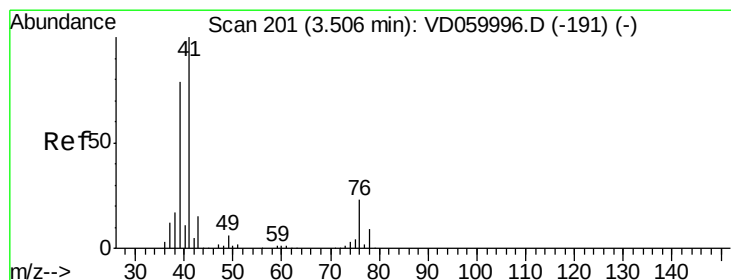
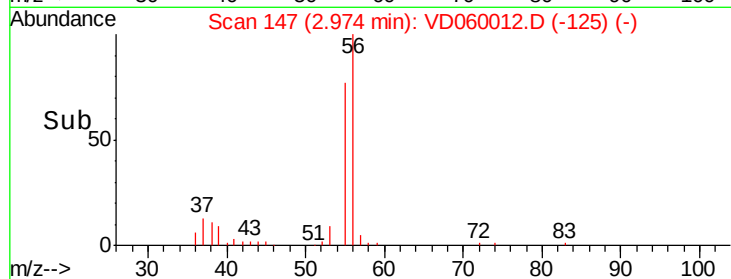
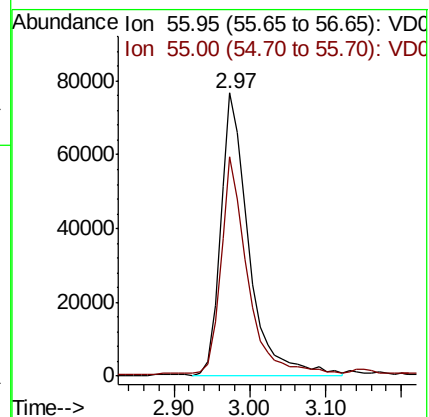
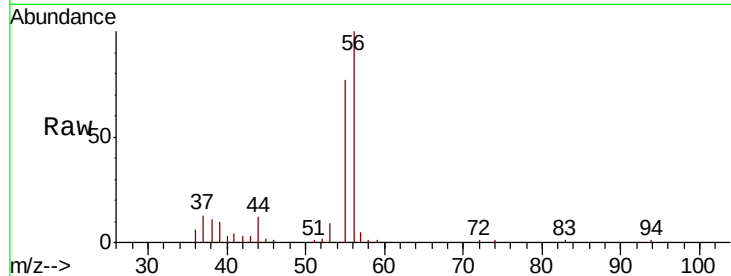
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 199948

Ion Ratio Lower Upper

56 100

55 77.3 58.3 87.5



#14

Allyl chloride

Concen: 53.606 ug/l

RT: 3.53 min Scan# 203

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

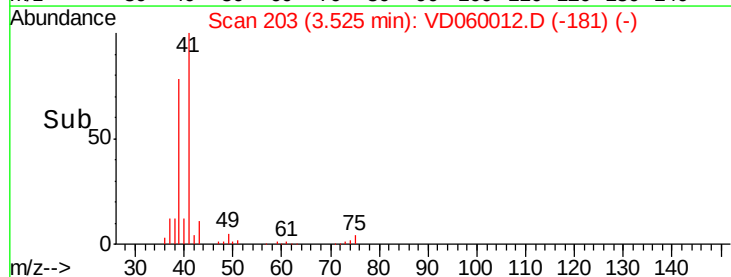
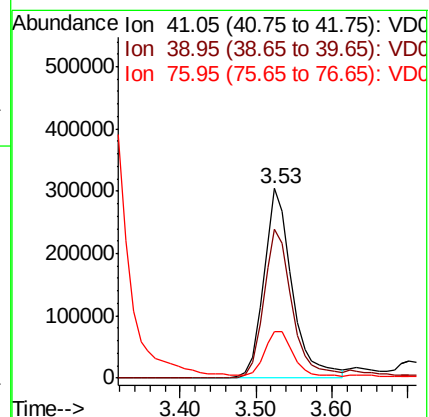
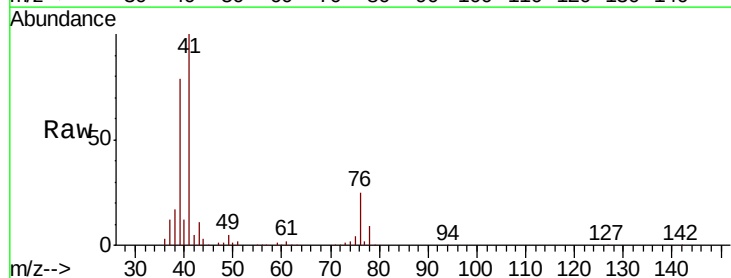
Tgt Ion: 41 Resp: 790066

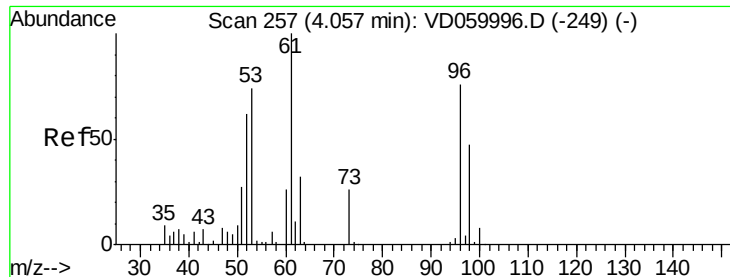
Ion Ratio Lower Upper

41 100

39 78.7 63.6 95.4

76 24.8 21.1 31.7





#15

Acrylonitrile

Concen: 246.587 ug/l

RT: 4.08 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleId :

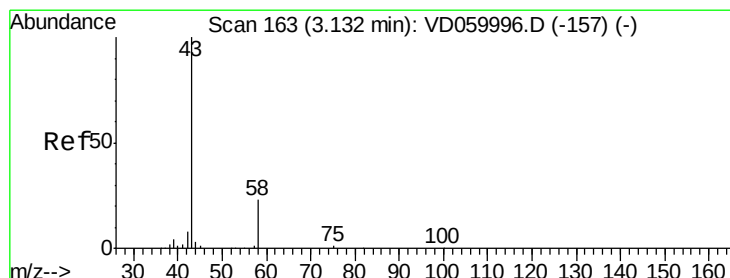
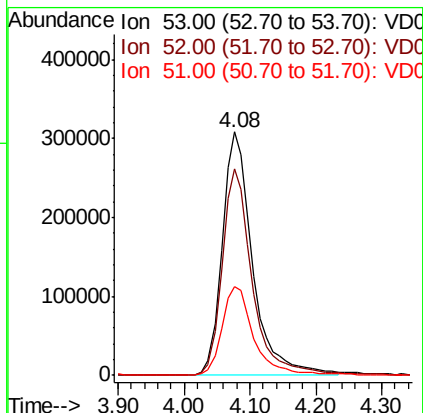
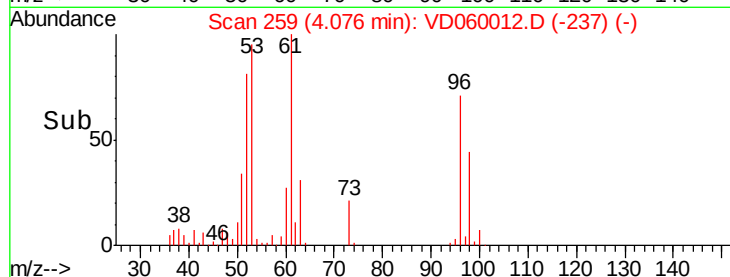
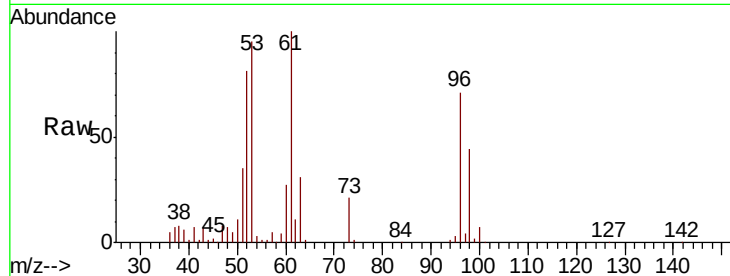
Tot Ion: 53 Resp: 994811

Ion Ratio Lower Upper

53 100

52 84.7 66.7 100.1

51 36.7 29.0 43.6



#16

Acetone

Concen: 274.162 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060012.D

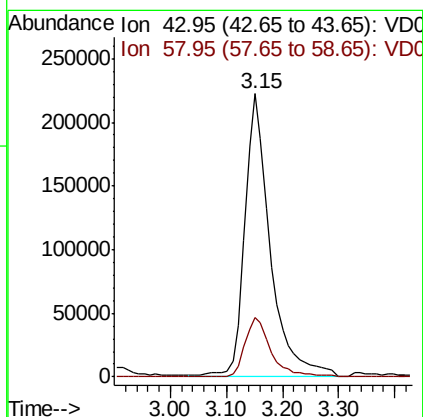
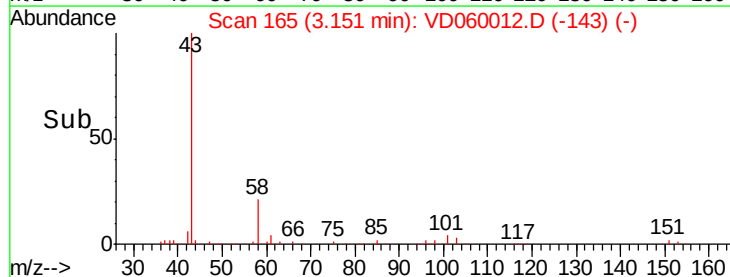
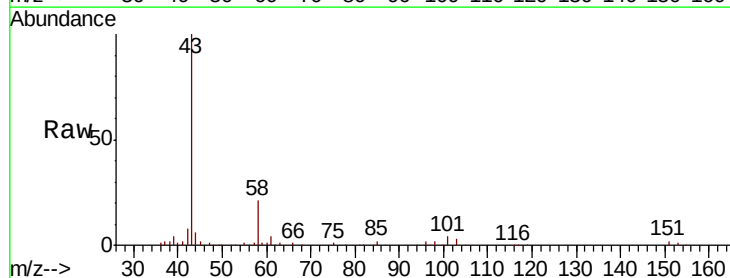
Acq: 17 Sep 2018 10:31

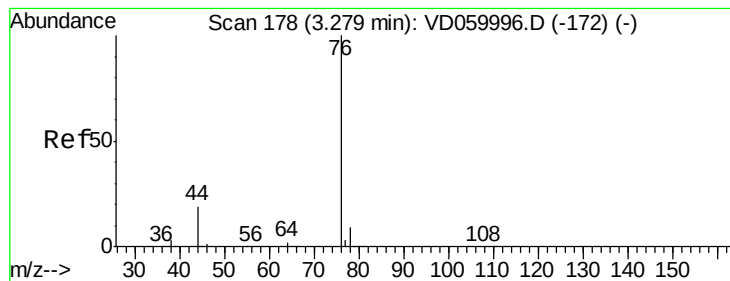
Tgt Ion: 43 Resp: 701110

Ion Ratio Lower Upper

43 100

58 20.9 18.1 27.1





#17

Carbon Disulfide

Concen: 54.944 ug/l

RT: 3.31 min Scan# 181

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

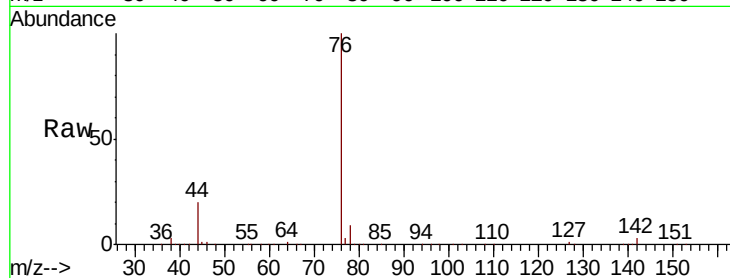
ClientSampleId :

Tot Ion: 76 Resp: 1323003

Ion Ratio Lower Upper

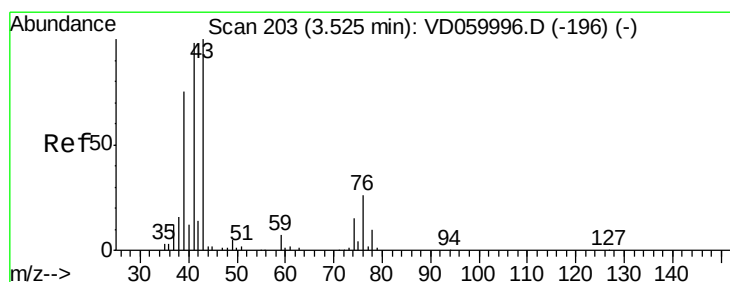
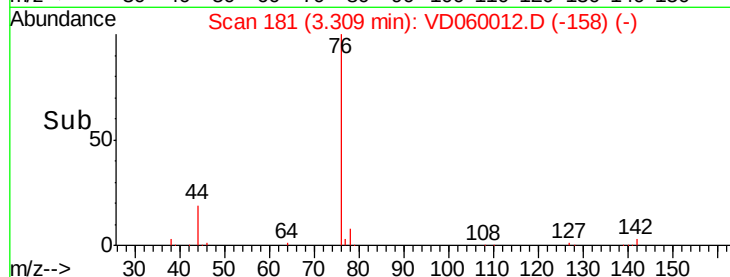
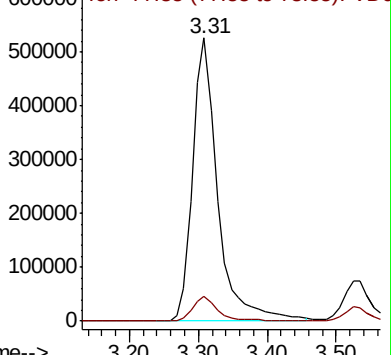
76 100

78 8.8 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: 49.312 ug/l

RT: 3.54 min Scan# 205

Delta R.T. 0.02 min

Lab File: VD060012.D

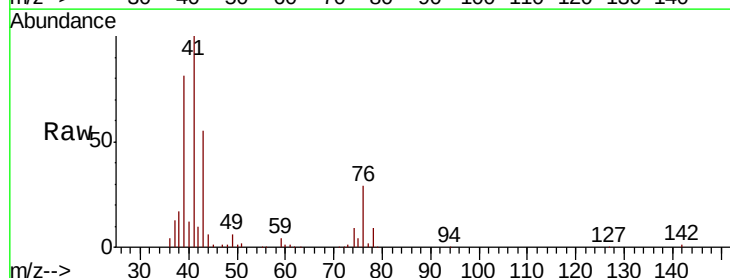
Acq: 17 Sep 2018 10:31

Tgt Ion: 43 Resp: 256458

Ion Ratio Lower Upper

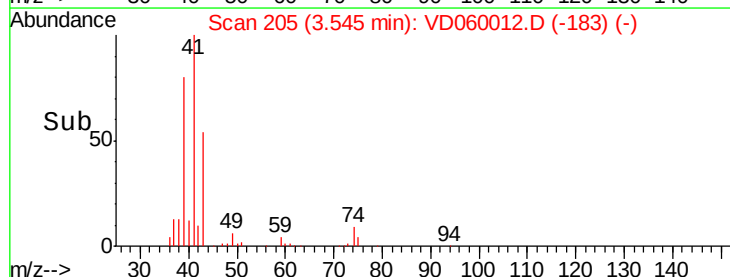
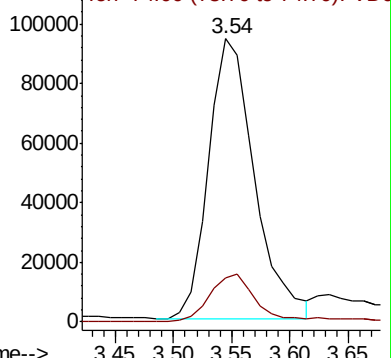
43 100

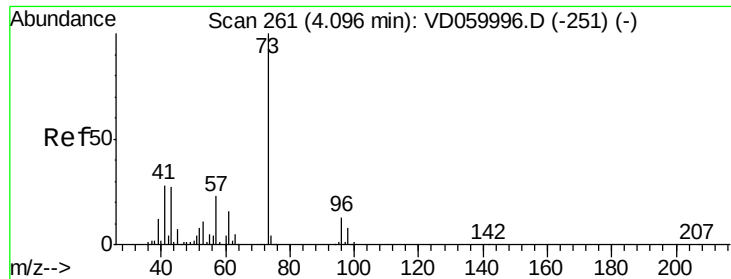
74 15.5 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

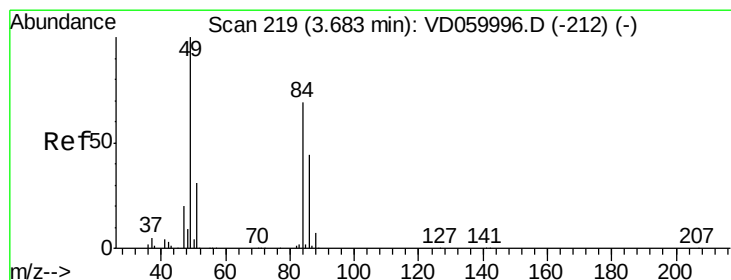
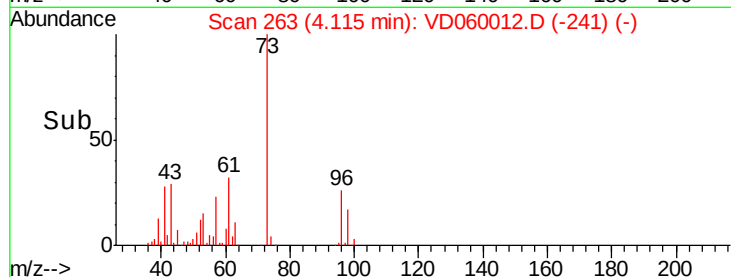
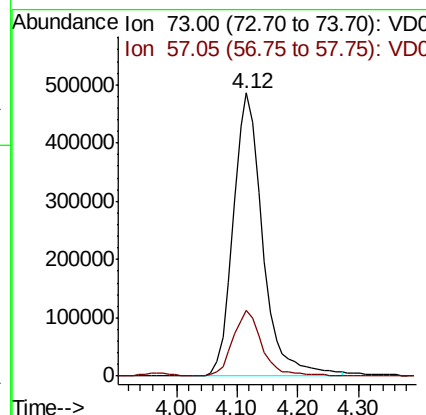
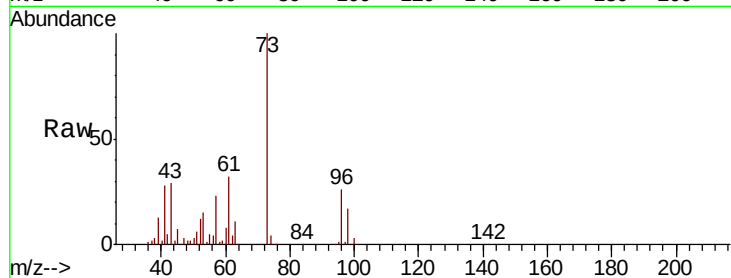




#19
Methyl tert-butyl Ether
Concen: 51.031 ug/l
RT: 4.12 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

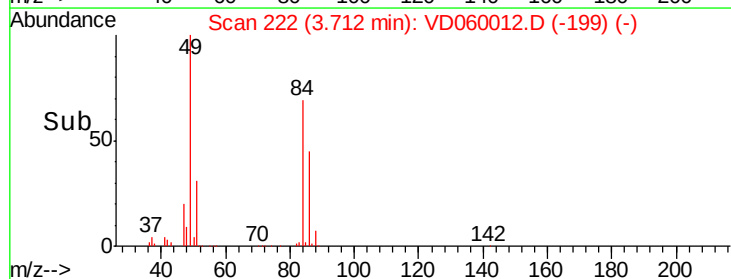
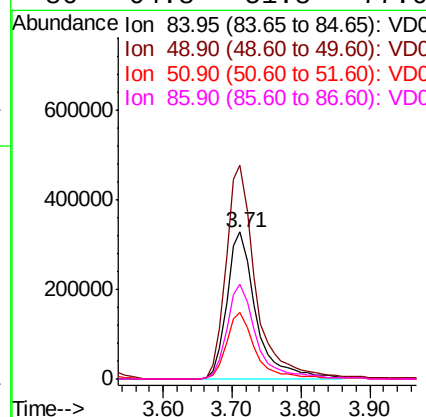
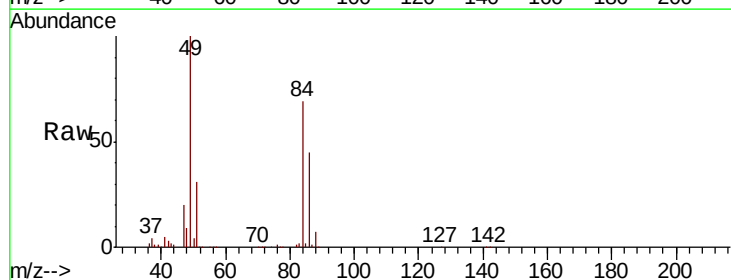
Instrument :
MSVOA_D
ClientSampleId :

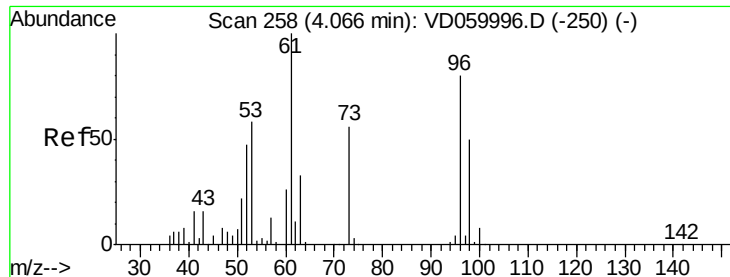
Tot Ion: 73 Resp: 1647822
Ion Ratio Lower Upper
73 100
57 23.1 18.4 27.6



#20
Methylene Chloride
Concen: 53.463 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 84 Resp: 963725
Ion Ratio Lower Upper
84 100
49 145.5 116.6 175.0
51 45.0 35.9 53.9
86 64.8 51.8 77.6

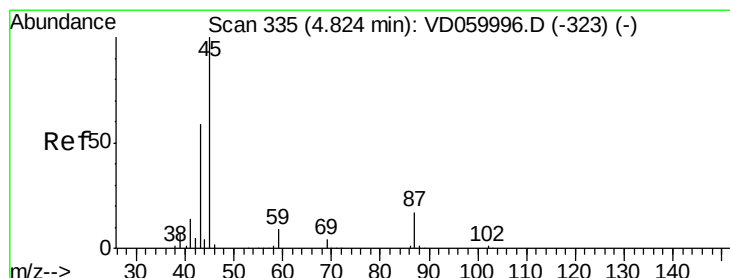
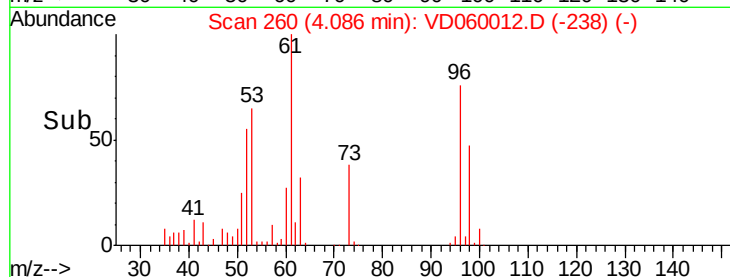
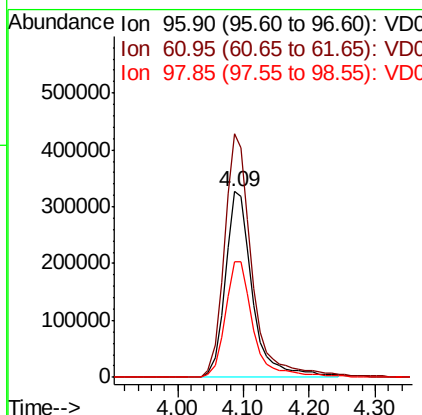
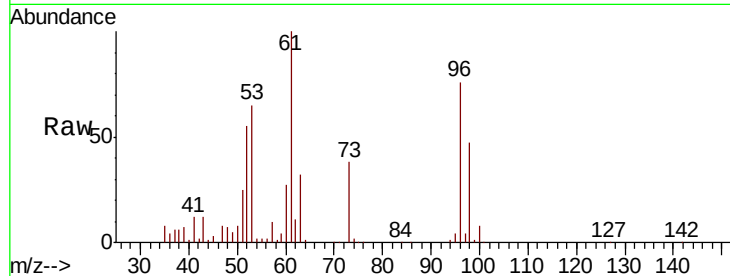




#21
trans-1,2-Dichloroethene
Concen: 51.589 ug/l
RT: 4.09 min Scan# 260
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

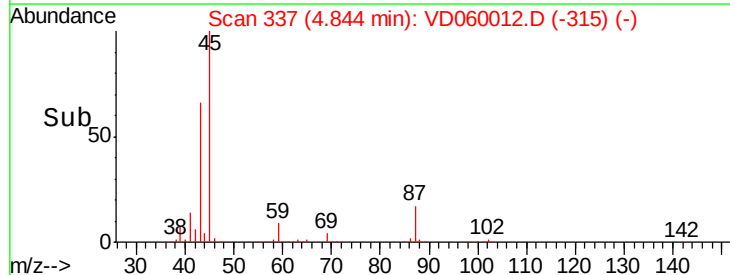
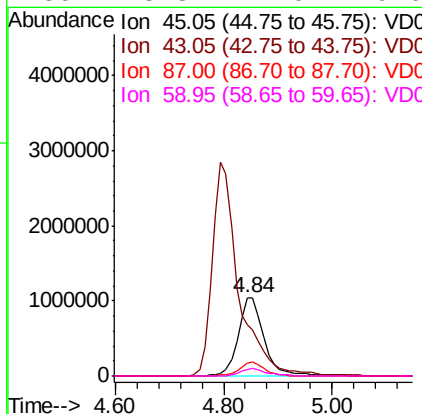
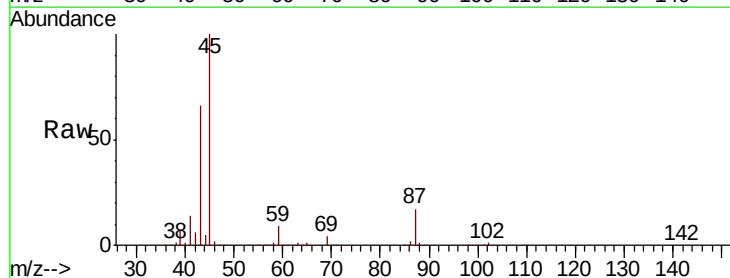
Instrument :
MSVOA_D
ClientSampled :

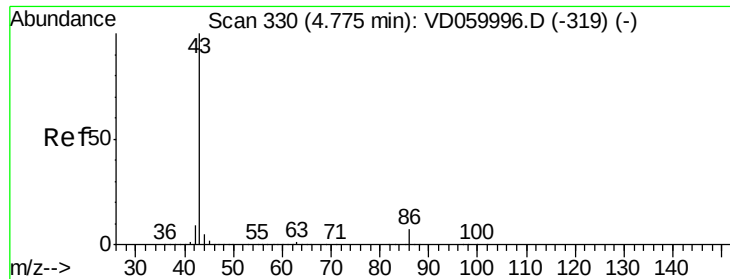
Tot Ion: 96 Resp: 946116
Ion Ratio Lower Upper
96 100
61 131.1 100.1 150.1
98 61.9 49.5 74.3



#22
Diisopropyl ether
Concen: 51.488 ug/l
RT: 4.84 min Scan# 337
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 45 Resp: 3461471
Ion Ratio Lower Upper
45 100
43 65.8 47.1 70.7
87 16.9 14.2 21.2
59 8.8 7.0 10.6





#23

Vinyl Acetate

Concen: 250.925 ug/l

RT: 4.79 min Scan# 332

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

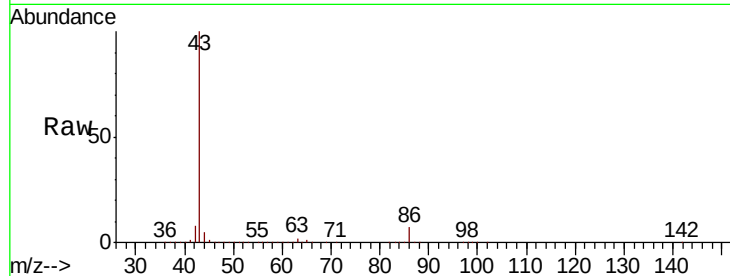
ClientSampleId :

Tot Ion: 43 Resp: 9556924

Ion Ratio Lower Upper

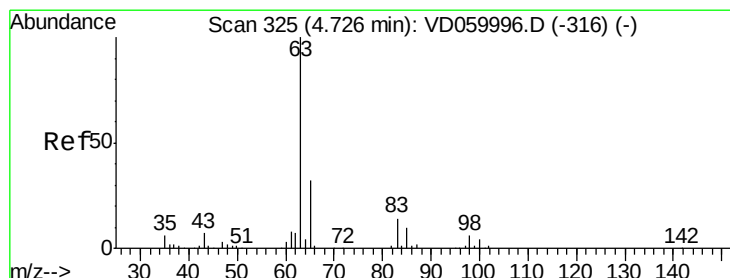
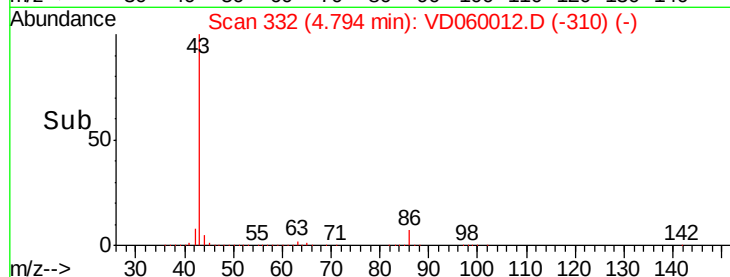
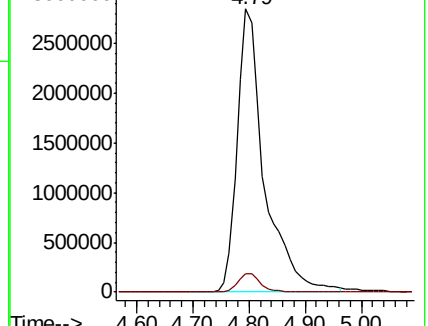
43 100

86 6.5 5.5 8.3



Abundance Ion 42.95 (42.65 to 43.65): VD060012.D (-310) (-)

Ion 86.00 (85.70 to 86.70): VD060012.D (-310) (-)



#24

1,1-Dichloroethane

Concen: 52.595 ug/l

RT: 4.75 min Scan# 327

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

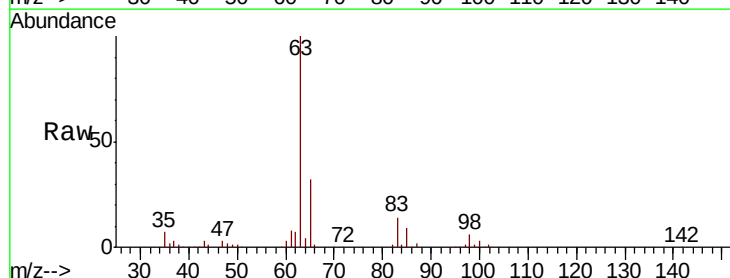
Tgt Ion: 63 Resp: 1586776

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

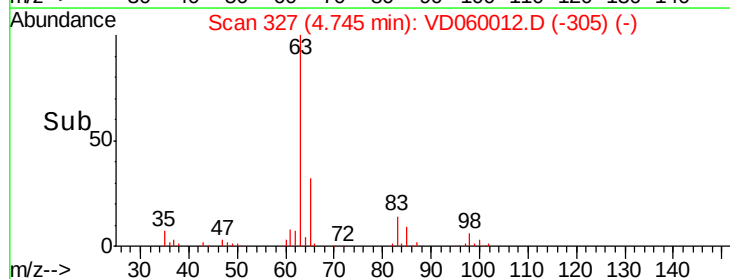
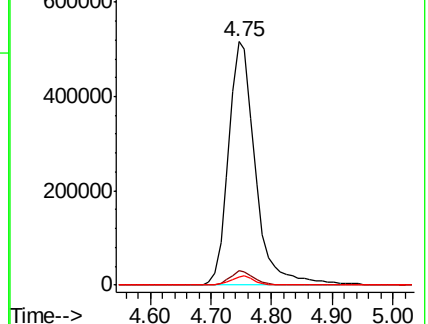
100 3.4 1.8 5.4

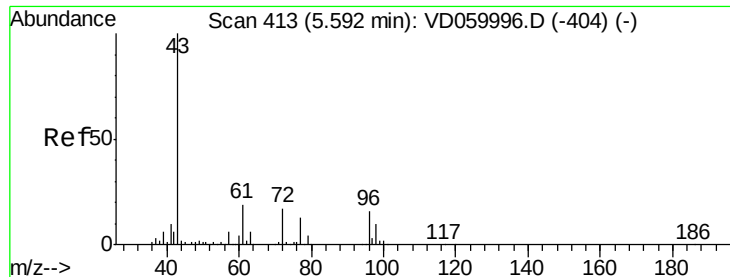


Abundance Ion 62.95 (62.65 to 63.65): VD060012.D (-305) (-)

Ion 97.95 (97.65 to 98.65): VD060012.D (-305) (-)

Ion 99.95 (99.65 to 100.65): VD060012.D (-305) (-)





#25

2-Butanone

Concen: 232.319 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

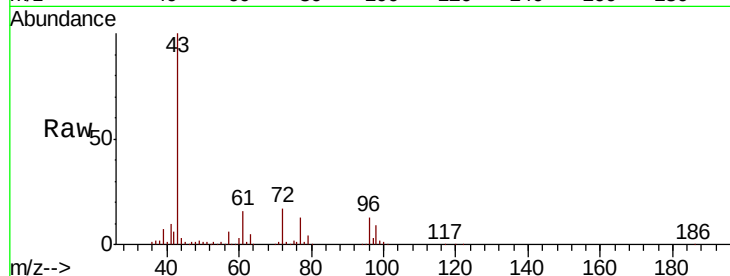
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1603178

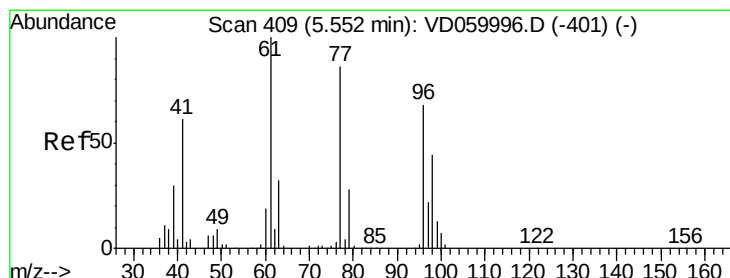
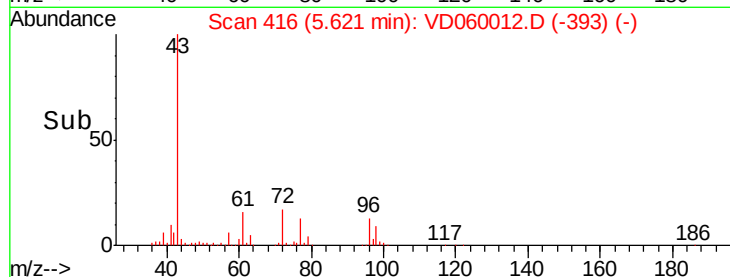
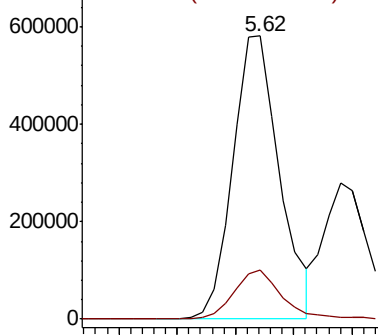
Ion Ratio Lower Upper

43 100

72 17.4 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: 54.076 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060012.D

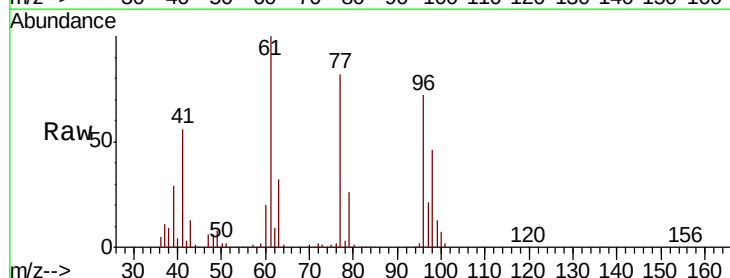
Acq: 17 Sep 2018 10:31

Tgt Ion: 77 Resp: 1268356

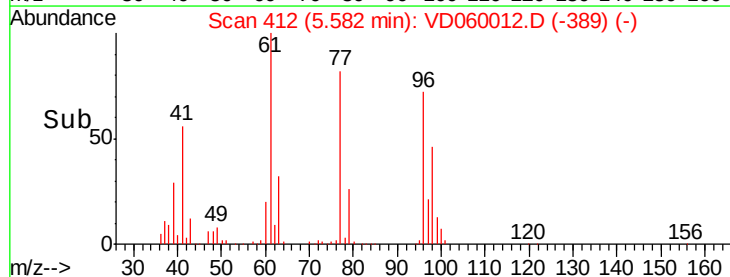
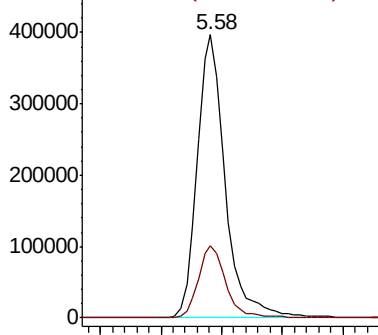
Ion Ratio Lower Upper

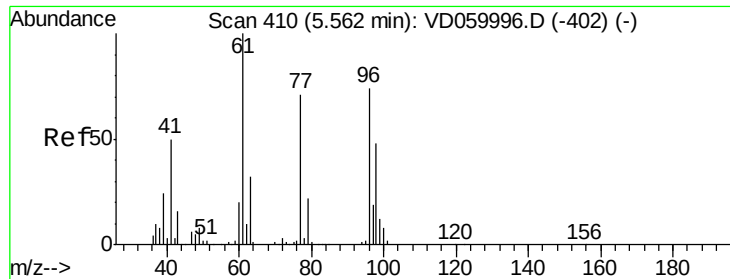
77 100

97 25.5 12.7 38.1



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



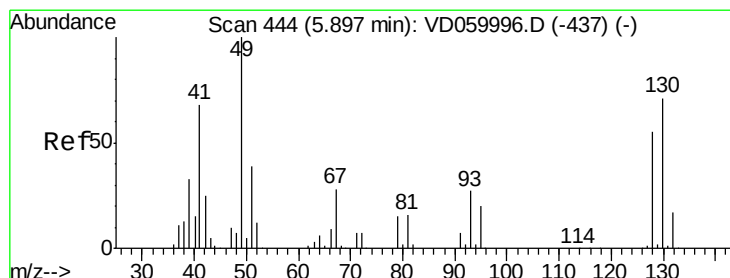
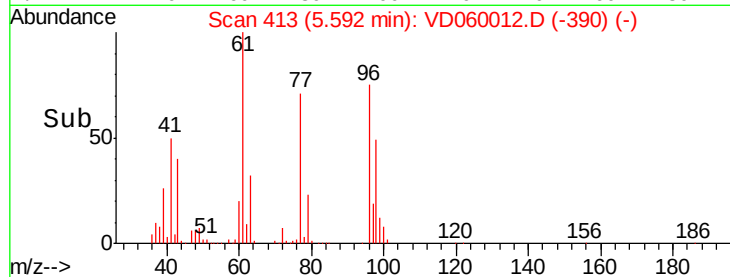
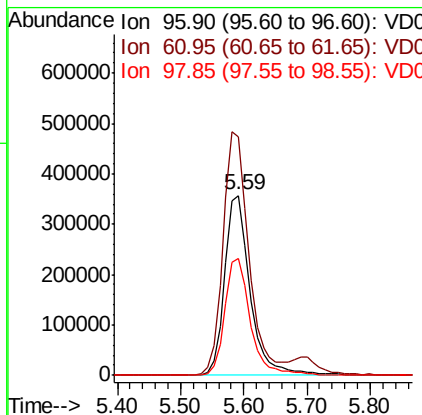
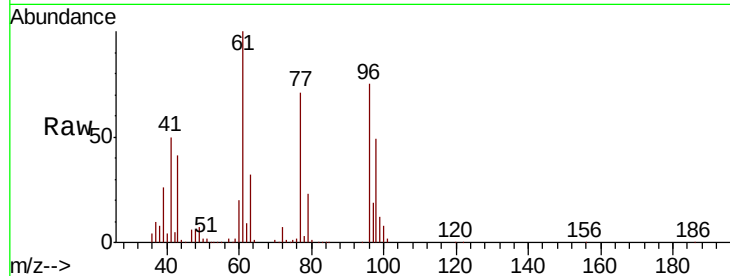


#27

cis-1,2-Dichloroethene
 Concen: 51.996 ug/l
 RT: 5.59 min Scan# 413
 Delta R.T. 0.03 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampled :

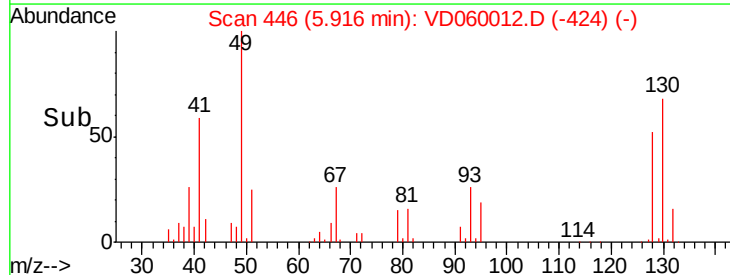
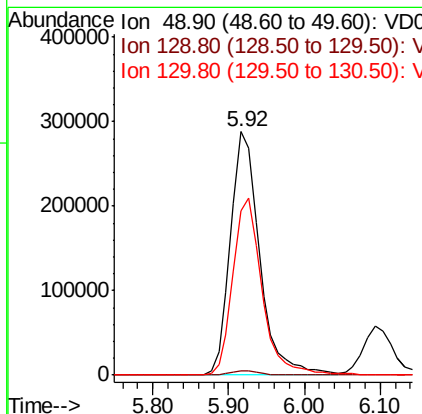
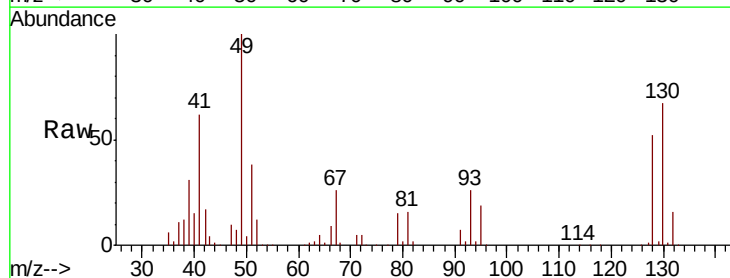
Tot Ion: 96 Resp: 997464
 Ion Ratio Lower Upper
 96 100
 61 132.9 0.0 269.6
 98 64.8 0.0 128.4

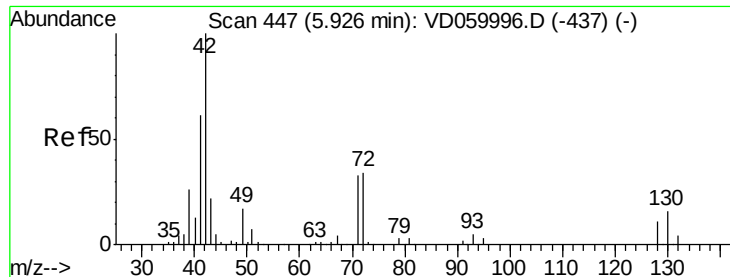


#28

Bromochloromethane
 Concen: 53.111 ug/l
 RT: 5.92 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 49 Resp: 770220
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 3.6
 130 67.5 57.1 85.7

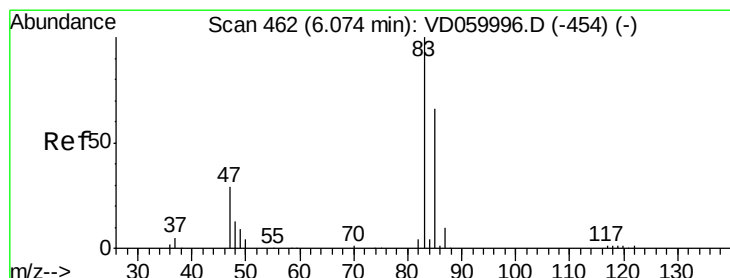
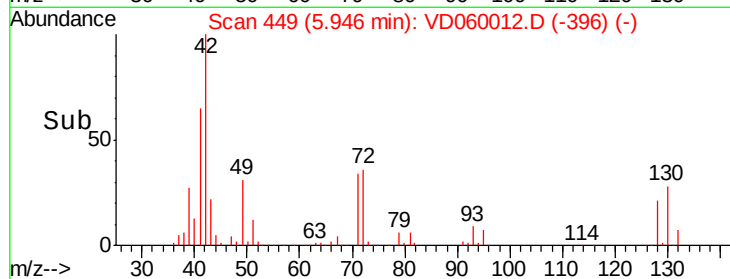
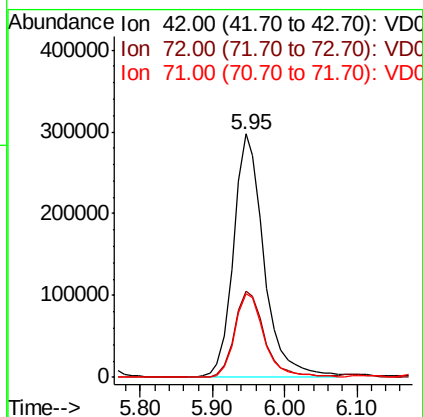
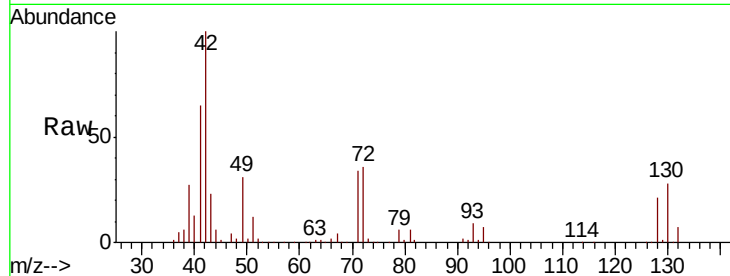




#29
Tetrahydrofuran
Concen: 235.352 ug/l
RT: 5.95 min Scan# 449
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

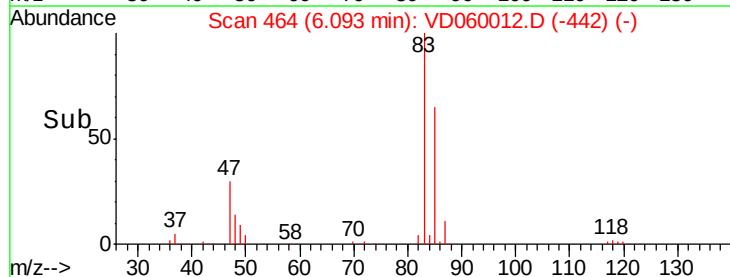
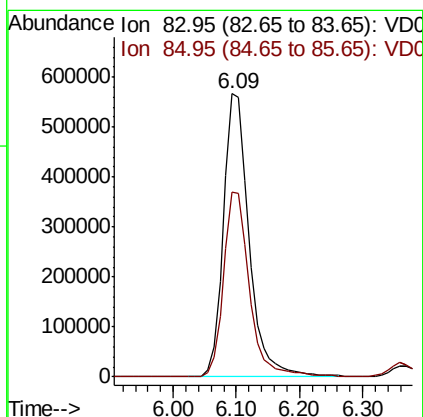
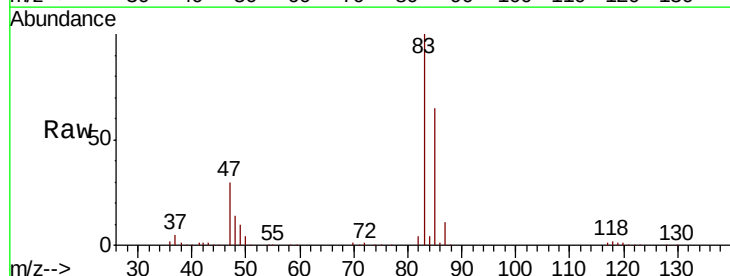
Instrument :
MSVOA_D
ClientSampleId :

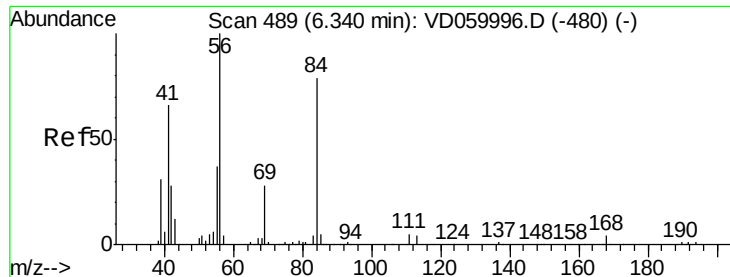
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	26.9	40.3
71	33.6	26.2	39.4



#30
Chloroform
Concen: 52.173 ug/l
RT: 6.09 min Scan# 464
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8

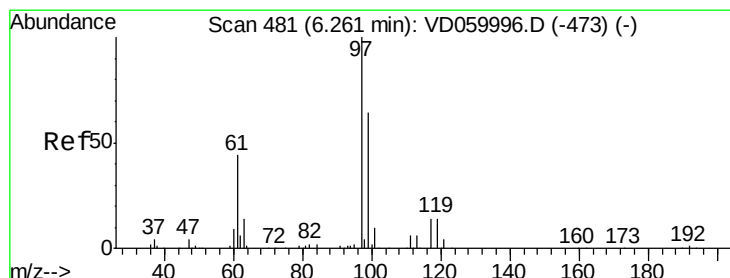
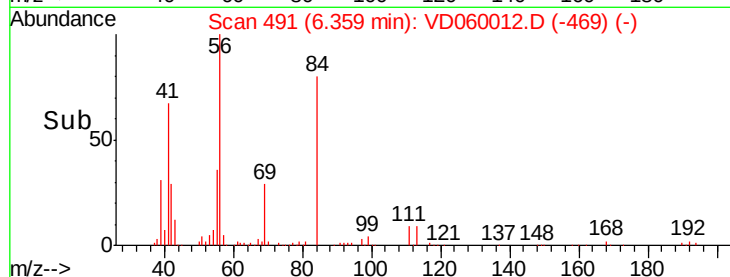
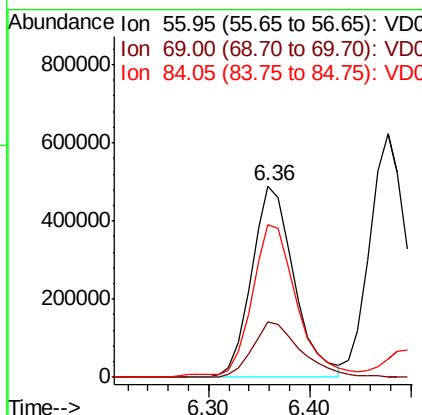
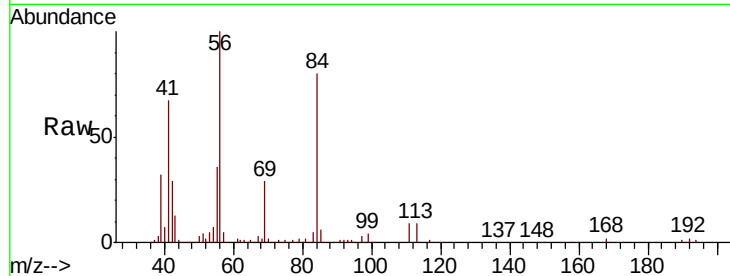




#31
Cyclohexane
Concen: 48.751 ug/l
RT: 6.36 min Scan# 491
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

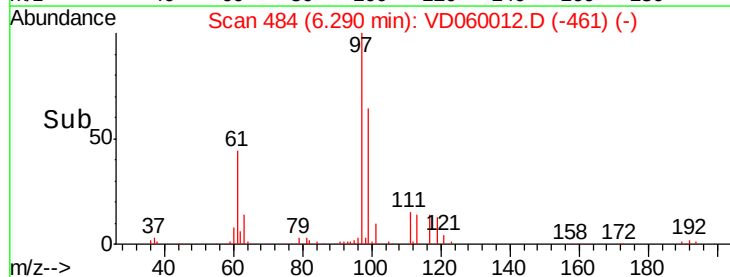
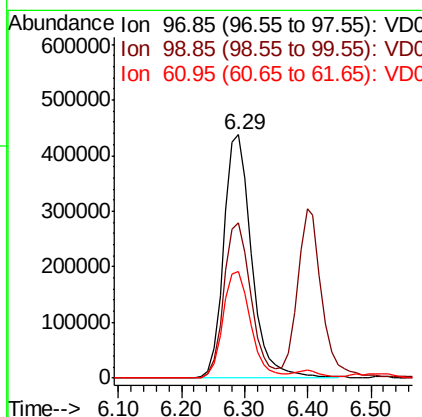
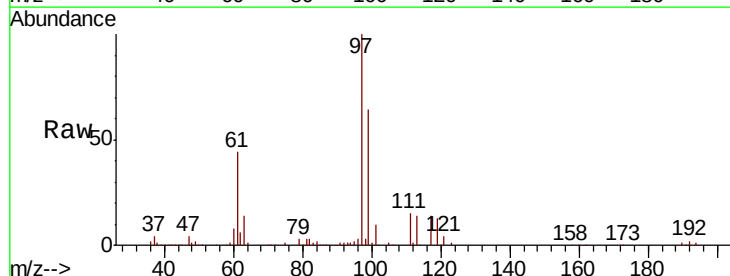
Instrument :
MSVOA_D
ClientSampleId :

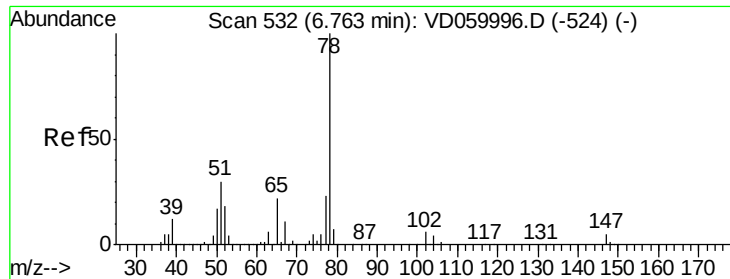
Tot Ion: 56 Resp: 1434049
Ion Ratio Lower Upper
56 100
69 28.7 22.7 34.1
84 79.6 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 52.717 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 97 Resp: 1337724
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 44.0 35.5 53.3

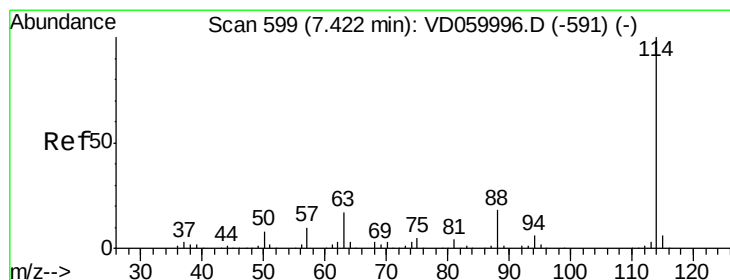
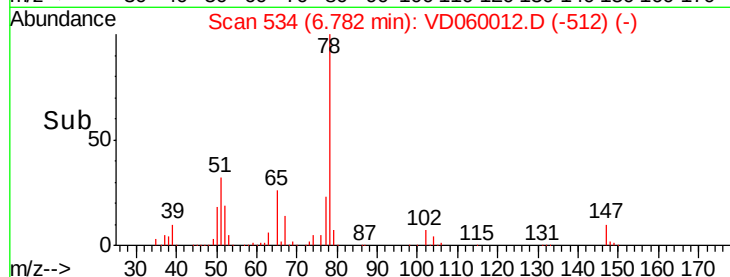
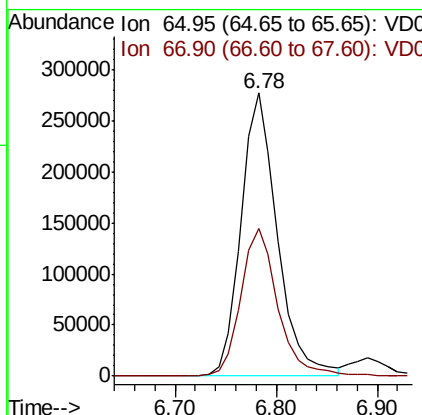
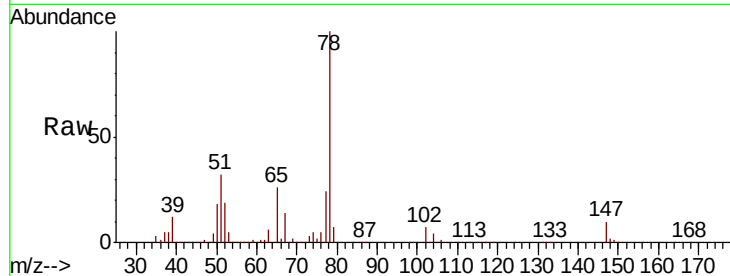




#33
 1,2-Dichloroethane-d4
 Concen: 52.717 ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

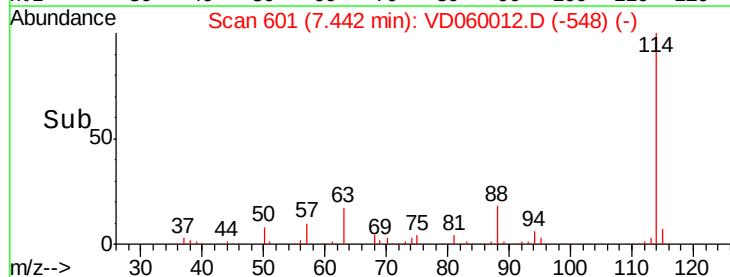
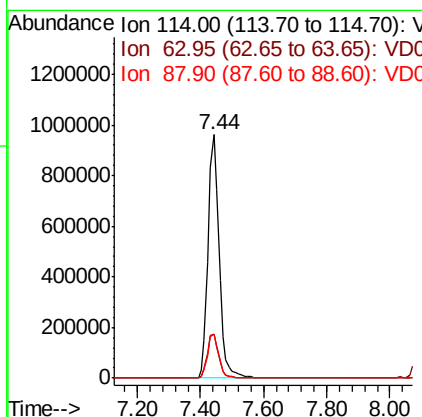
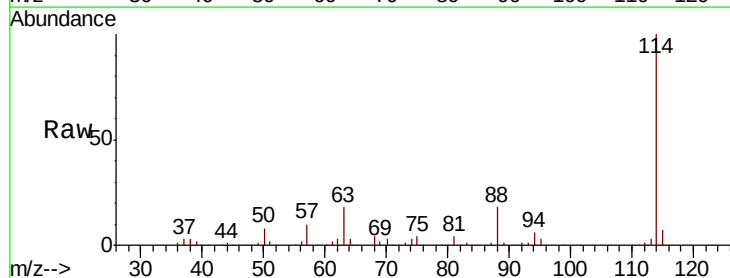
Instrument :
 MSVOA_D
 ClientSampled :

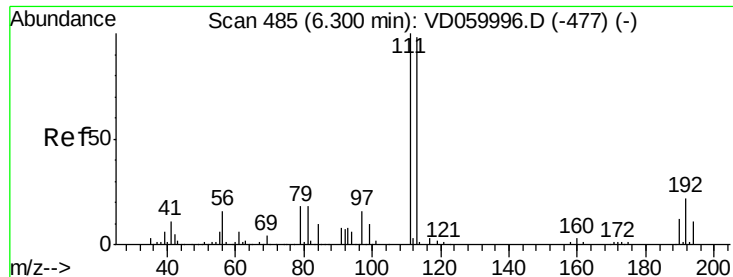
Tot Ion: 65 Resp: 693503
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 114 Resp: 2347663
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 34.4
 88 18.2 0.0 35.8

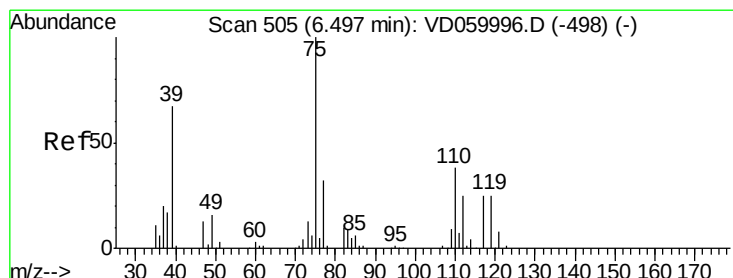
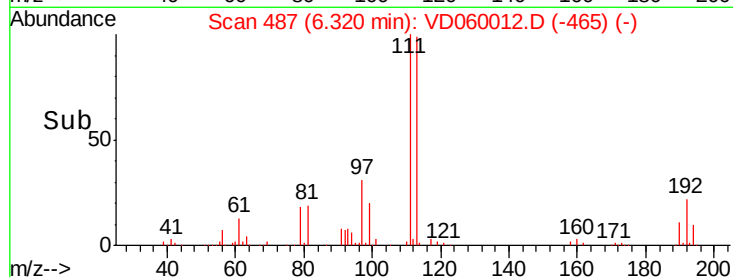
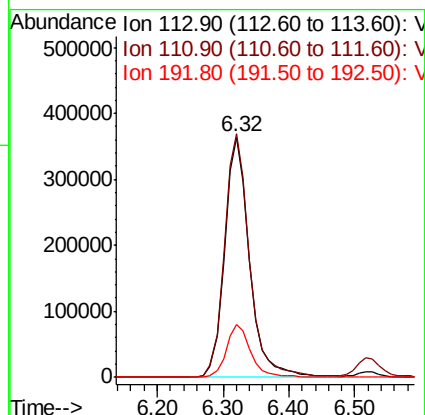
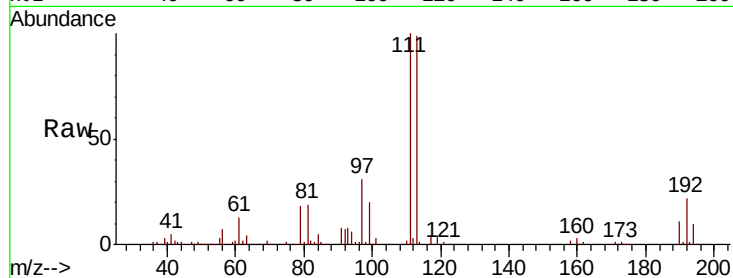




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.32 min Scan# 487
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

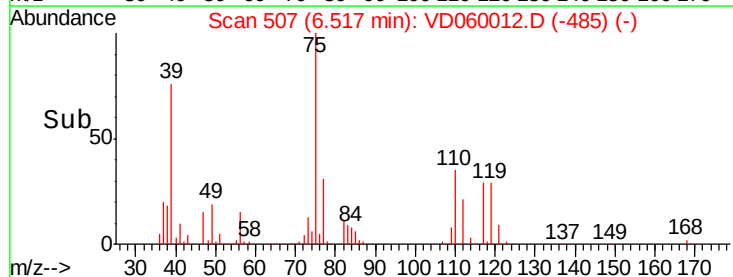
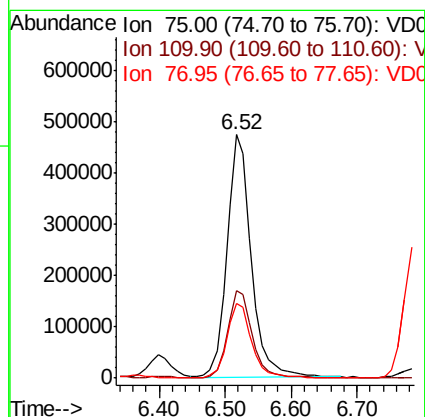
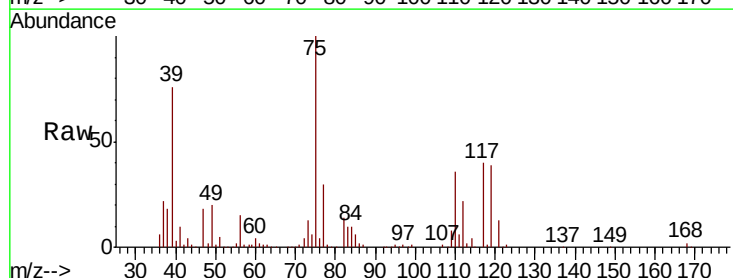
Instrument :
 MSVOA_D
 ClientSampleID :

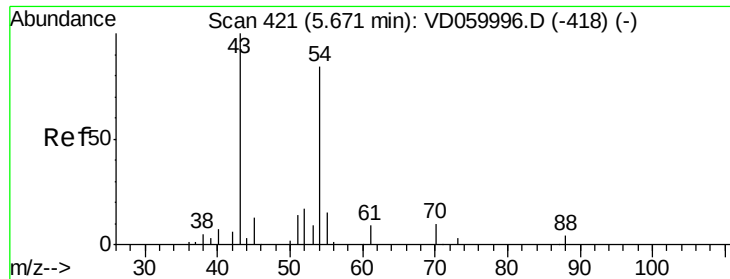
Tot Ion:113 Resp: 962807
 Ion Ratio Lower Upper
 113 100
 111 101.3 81.3 121.9
 192 22.2 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 51.680 ug/l
 RT: 6.52 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 75 Resp: 1205195
 Ion Ratio Lower Upper
 75 100
 110 35.8 18.9 56.9
 77 30.5 25.3 37.9

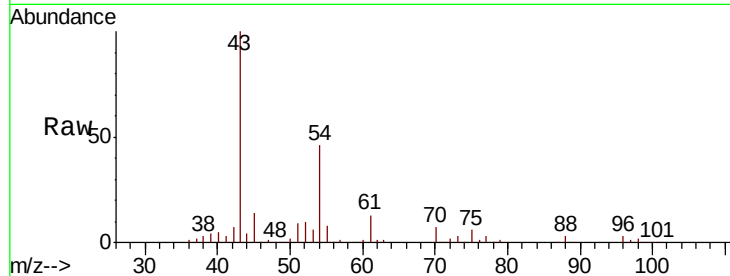




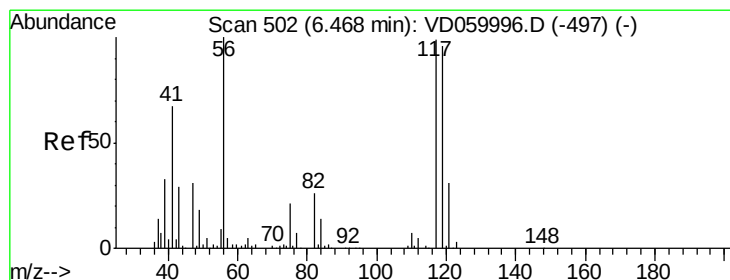
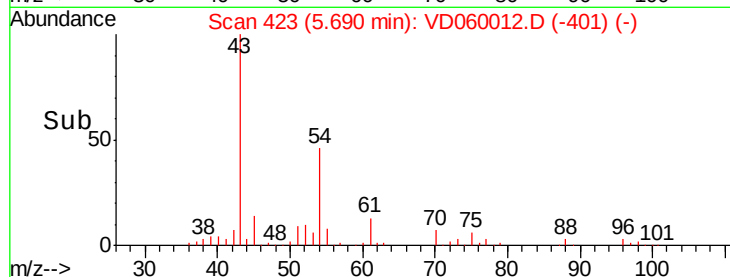
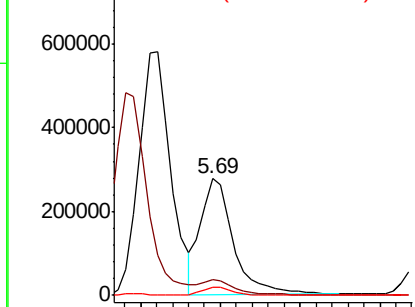
#37
Ethyl Acetate
Concen: 48.850 ug/l
RT: 5.69 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 783407
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.2
70 7.5 6.1 9.1

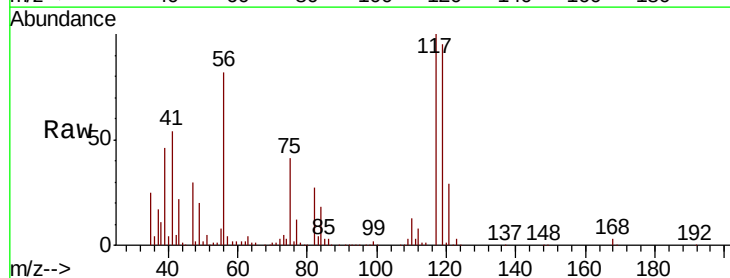


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

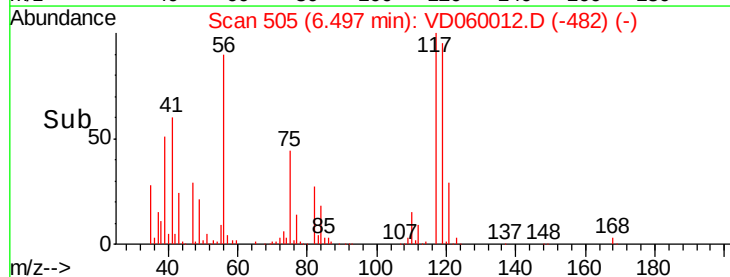
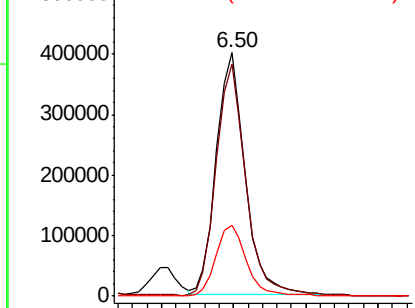


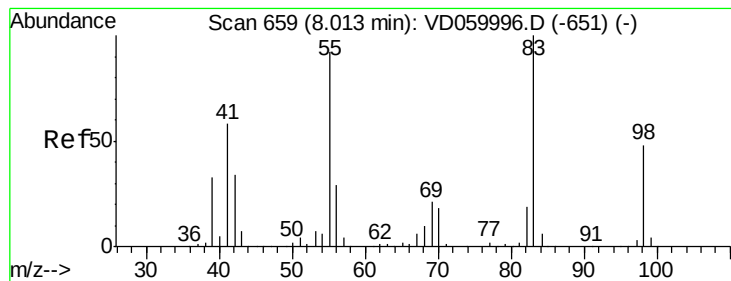
#38
Carbon Tetrachloride
Concen: 51.095 ug/l
RT: 6.50 min Scan# 505
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 117 Resp: 1112322
Ion Ratio Lower Upper
117 100
119 95.3 76.7 115.1
121 29.3 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 52.280 ug/l

RT: 8.04 min Scan# 662

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

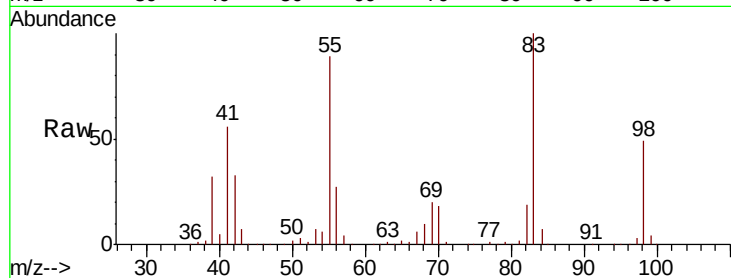
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 1379177

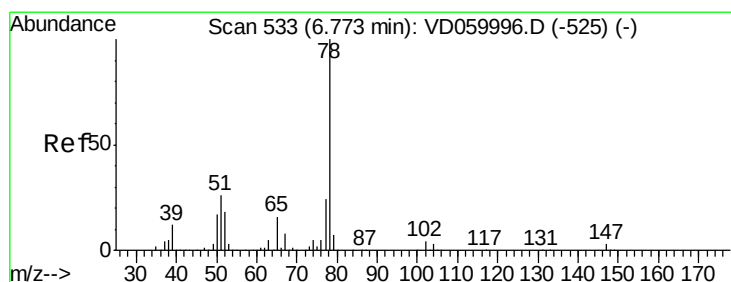
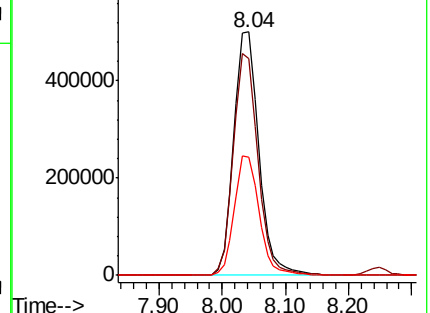
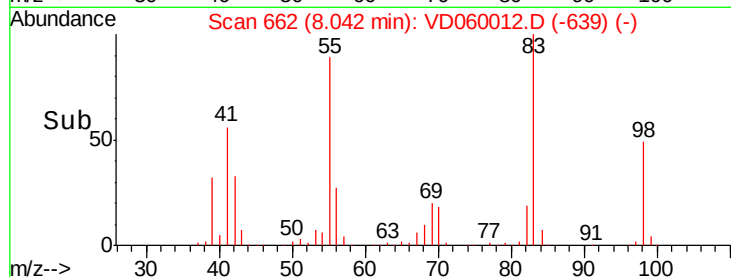
Ion	Ratio	Lower	Upper
83	100		
55	89.0	73.8	110.6
98	48.6	38.1	57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 52.660 ug/l

RT: 6.79 min Scan# 535

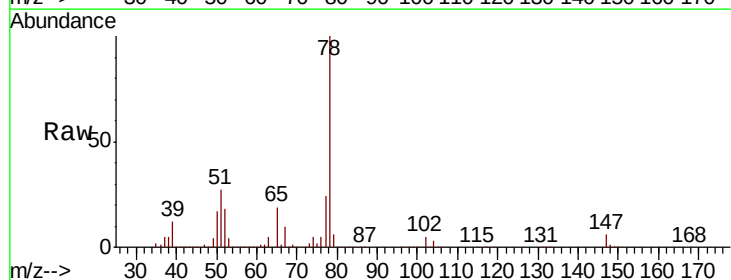
Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

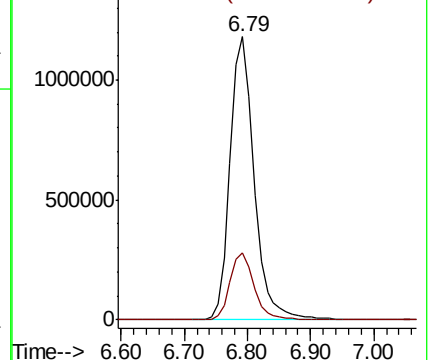
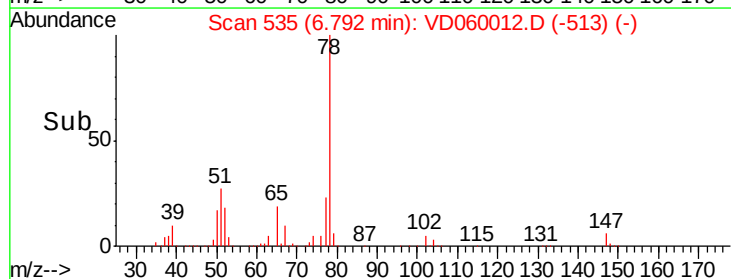
Tgt Ion: 78 Resp: 3130028

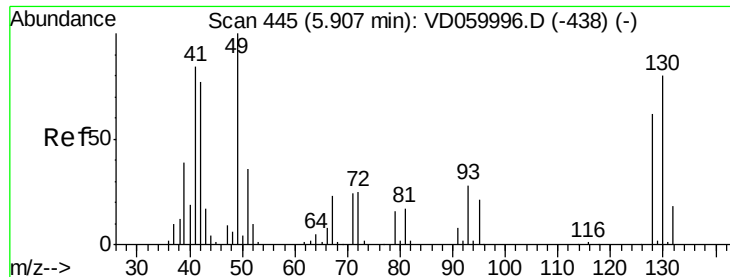
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

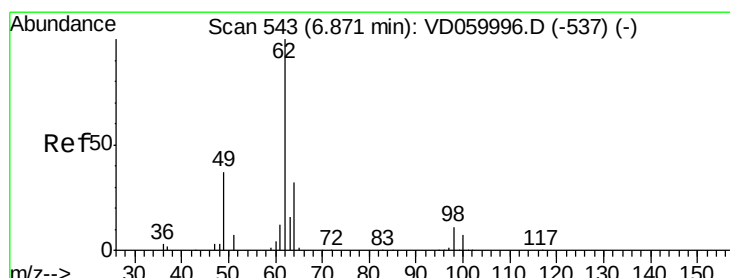
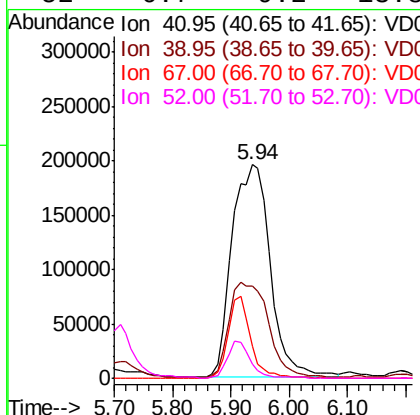
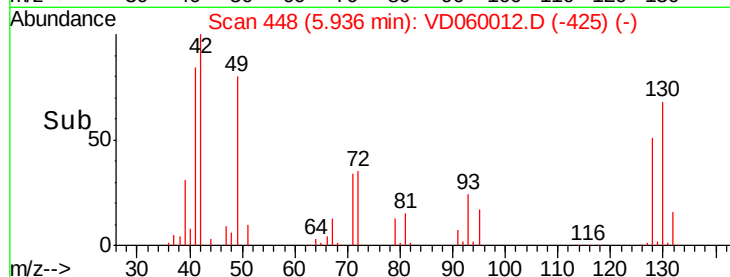
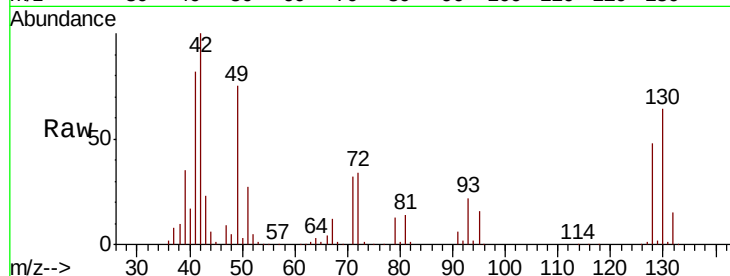




#41
Methacrylonitrile
Concen: 107.193 ug/l
RT: 5.94 min Scan# 448
Delta R.T. 0.03 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

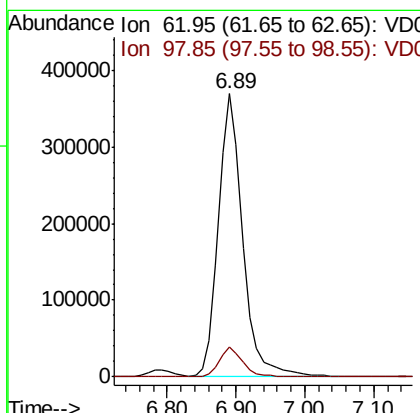
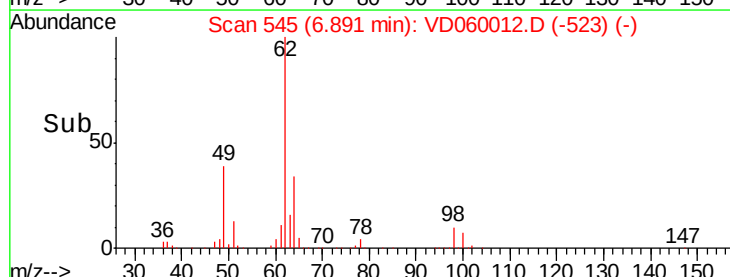
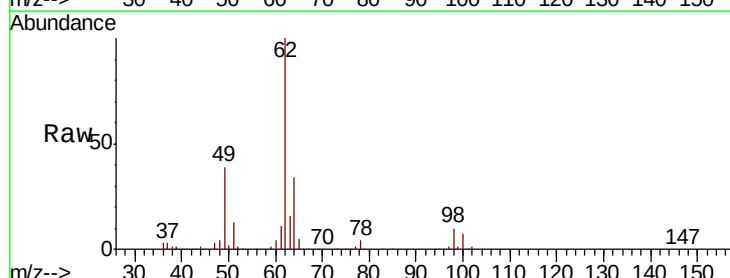
Instrument :
MSVOA_D
ClientSampled :

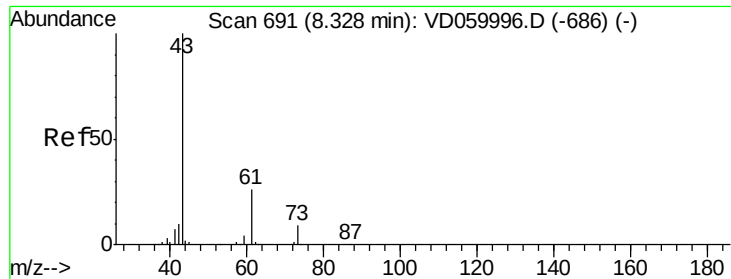
Tot Ion: 41 Resp: 900358
Ion Ratio Lower Upper
41 100
39 43.3 37.5 56.3
67 15.1 21.5 32.3#
52 6.7 9.2 13.8#



#42
1,2-Dichloroethane
Concen: 50.136 ug/l
RT: 6.89 min Scan# 545
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 62 Resp: 894784
Ion Ratio Lower Upper
62 100
98 10.4 0.0 21.4





#43

Isopropyl Acetate

Concen: 47.912 ug/l

RT: 8.35 min Scan# 693

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

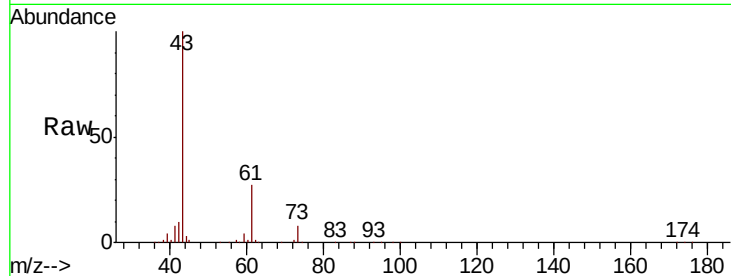
MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 1028755

Ion Ratio Lower Upper

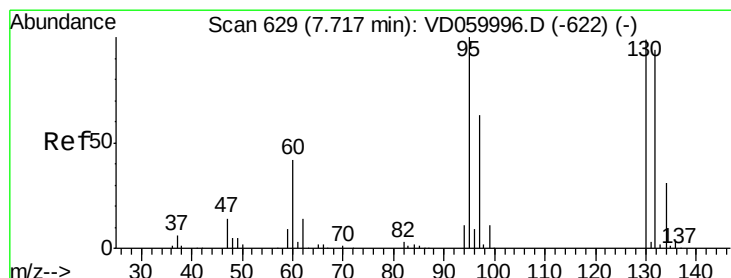
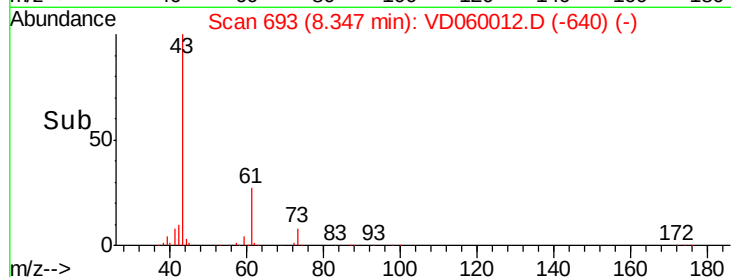
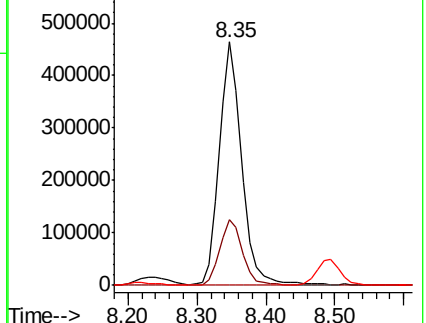
43	100		
61	27.0	21.0	31.6
87	0.2	0.2	0.2#



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: 51.681 ug/l

RT: 7.74 min Scan# 631

Delta R.T. 0.02 min

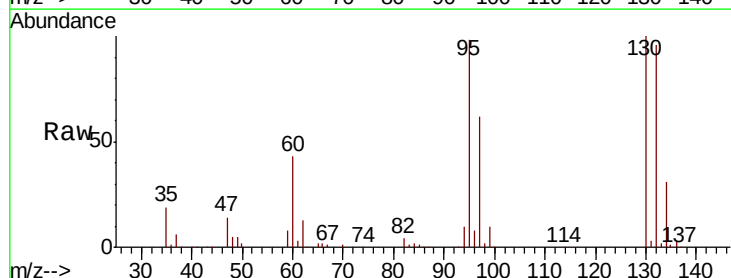
Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Tgt Ion: 130 Resp: 949078

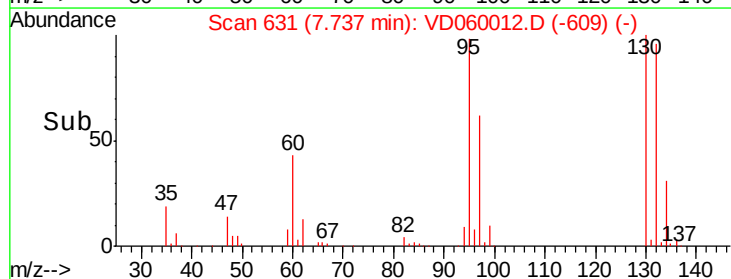
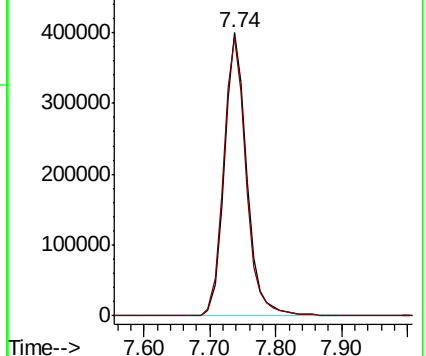
Ion Ratio Lower Upper

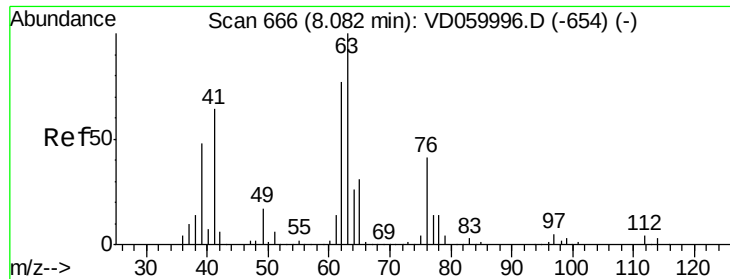
130	100		
95	98.4	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

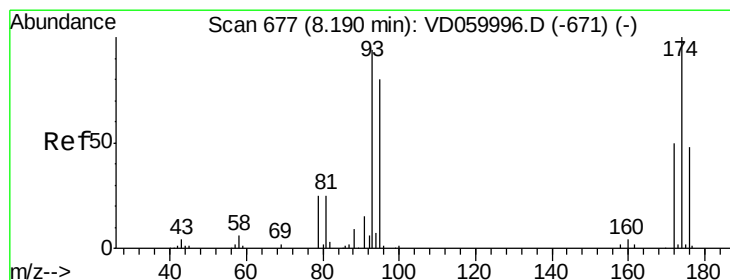
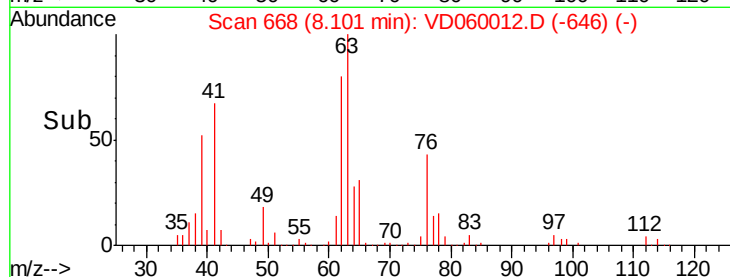
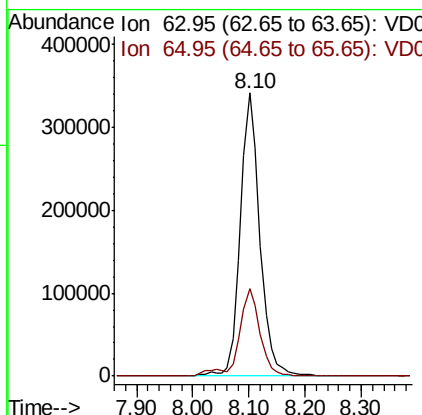
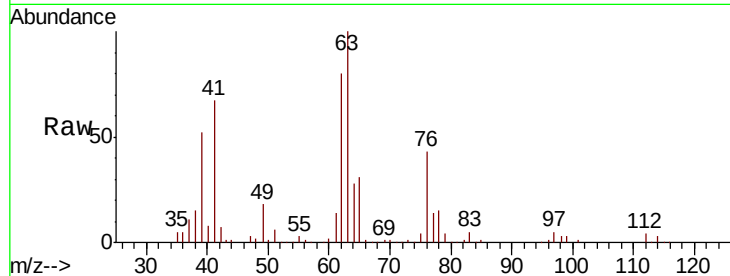




#45
 1,2-Dichloropropane
 Concen: 52.000 ug/l
 RT: 8.10 min Scan# 668
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

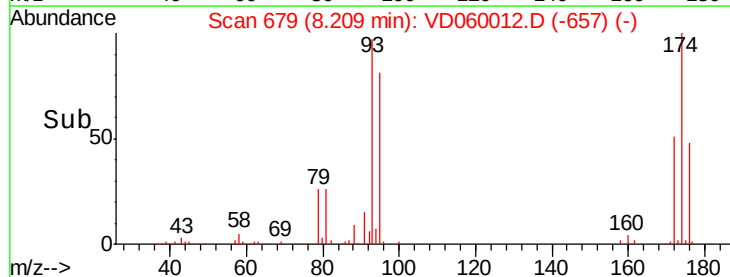
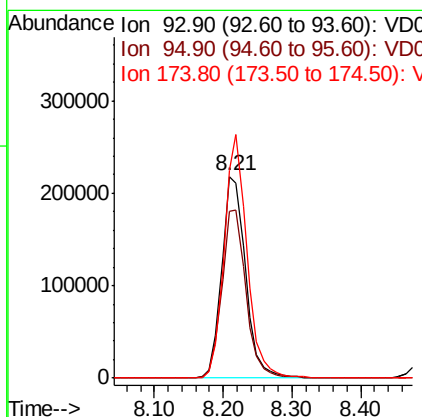
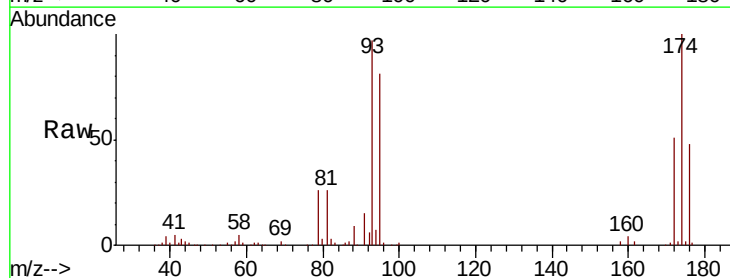
Instrument :
 MSVOA_D
 ClientSampleId :

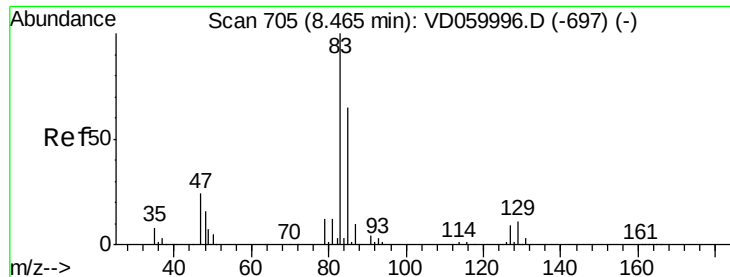
Tot Ion: 63 Resp: 826459
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0



#46
 Dibromomethane
 Concen: 50.485 ug/l
 RT: 8.21 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 93 Resp: 523535
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.0 102.0
 174 102.9 85.4 128.2





#47

Bromodichloromethane

Concen: 51.741 ug/l

RT: 8.48 min Scan# 707

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

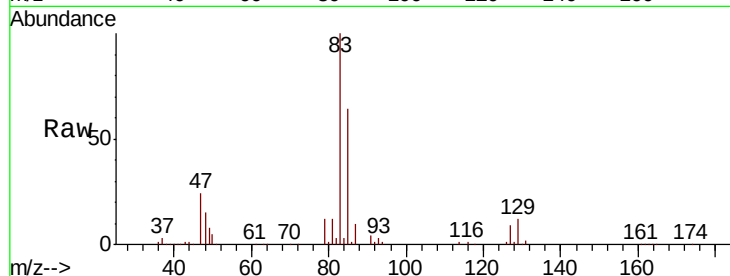
Tot Ion: 83 Resp: 1156828

Ion Ratio Lower Upper

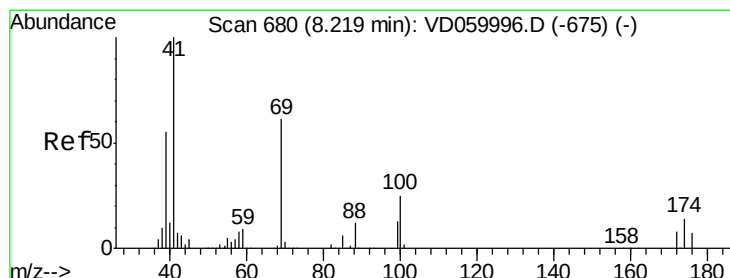
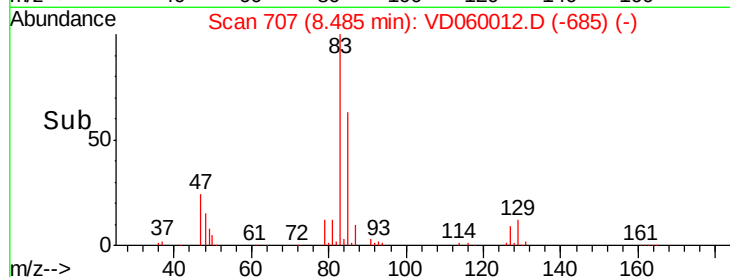
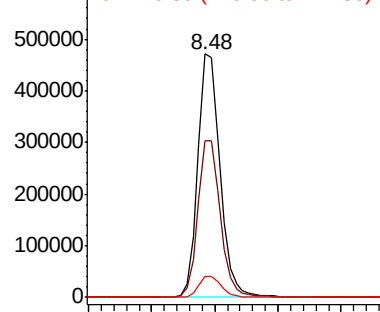
83 100

85 64.3 51.9 77.9

127 8.6 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: 49.415 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

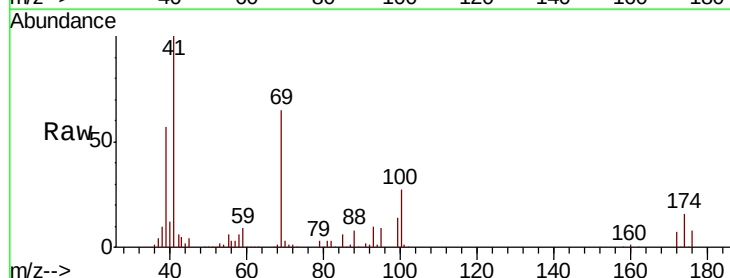
Tgt Ion: 41 Resp: 590937

Ion Ratio Lower Upper

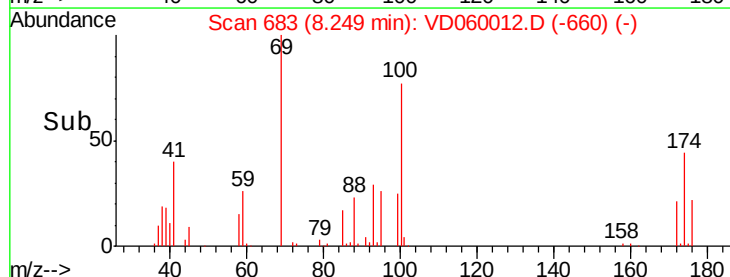
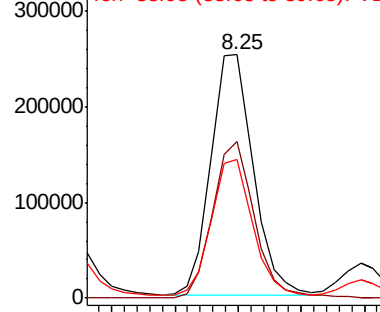
41 100

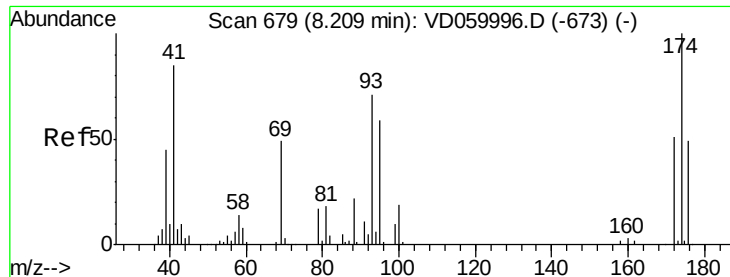
69 64.5 48.3 72.5

39 57.0 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: 932.608 ug/l

RT: 8.23 min Scan# 681

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

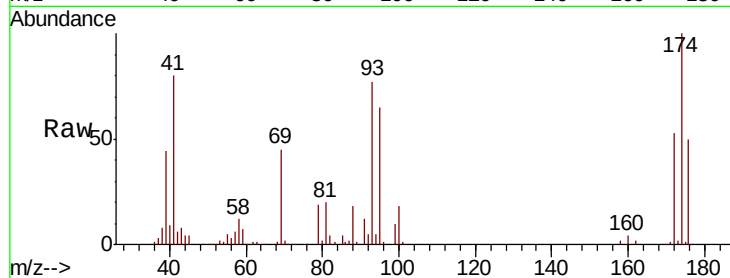
Tot Ion: 88 Resp: 110772

Ion Ratio Lower Upper

88 100

43 46.0 36.2 54.2

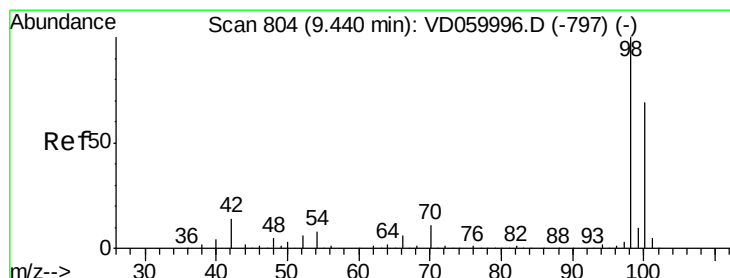
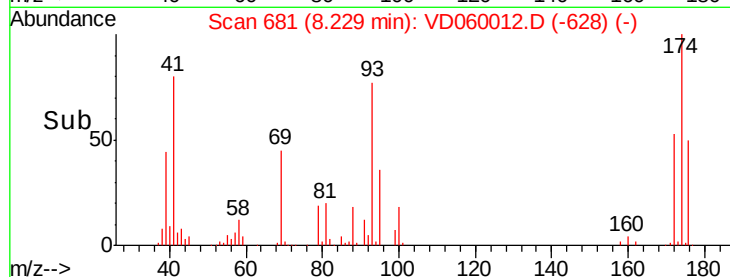
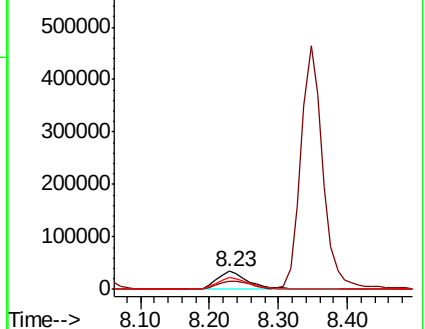
58 64.6 51.0 76.6



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: 932.608 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060012.D

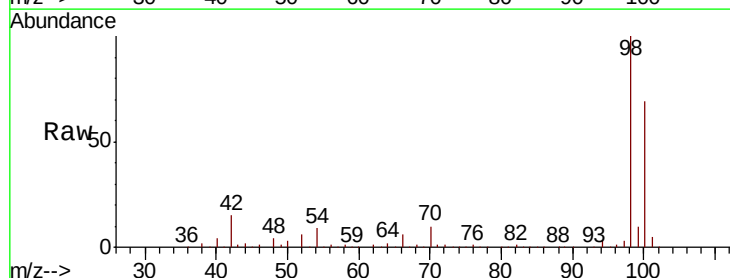
Acq: 17 Sep 2018 10:31

Tgt Ion: 98 Resp: 2728428

Ion Ratio Lower Upper

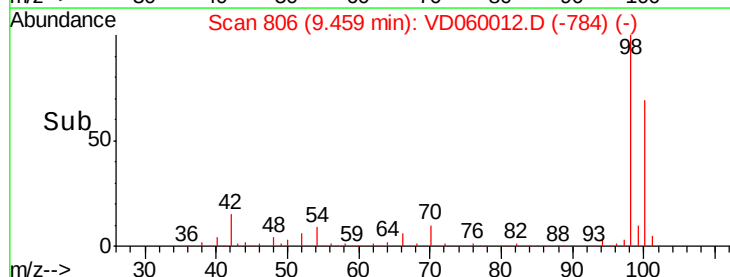
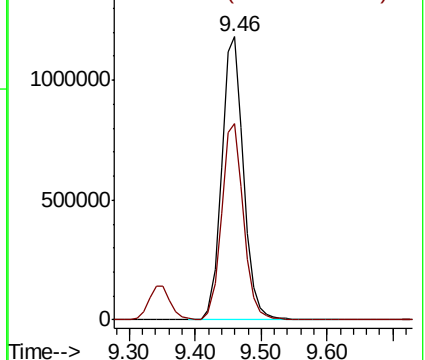
98 100

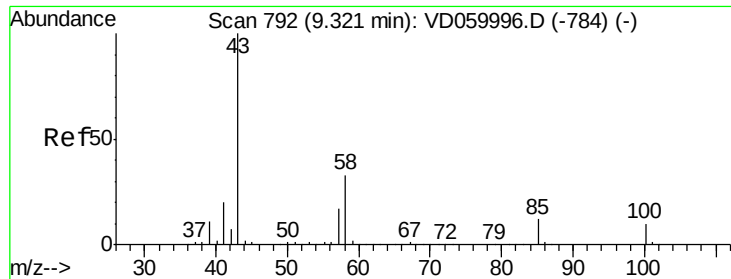
100 69.4 55.8 83.6



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: 223.556 ug/l

RT: 9.34 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

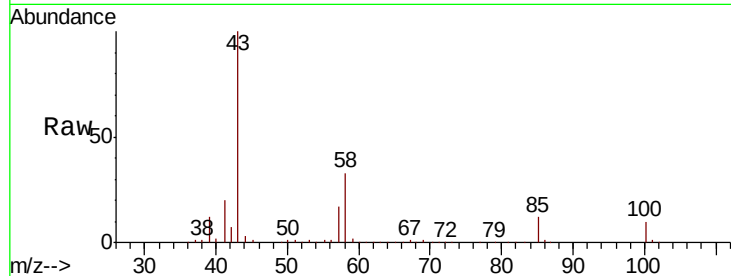
ClientSampleID :

Tot Ion: 43 Resp: 3207543

Ion Ratio Lower Upper

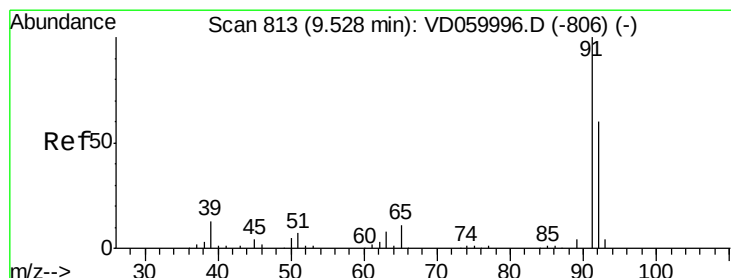
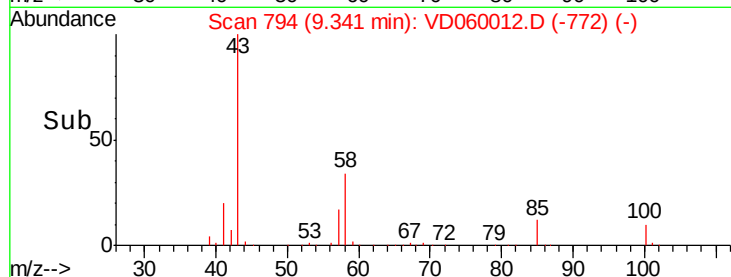
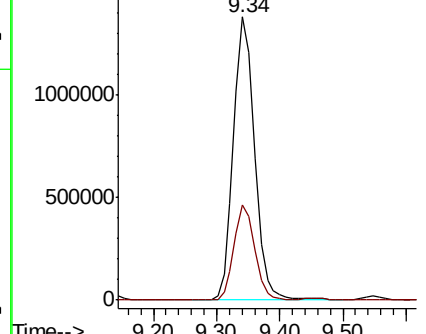
43 100

58 33.4 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.388 ug/l

RT: 9.55 min Scan# 815

Delta R.T. 0.02 min

Lab File: VD060012.D

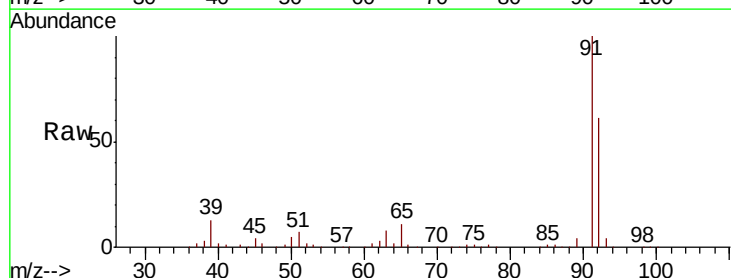
Acq: 17 Sep 2018 10:31

Tgt Ion: 92 Resp: 1995902

Ion Ratio Lower Upper

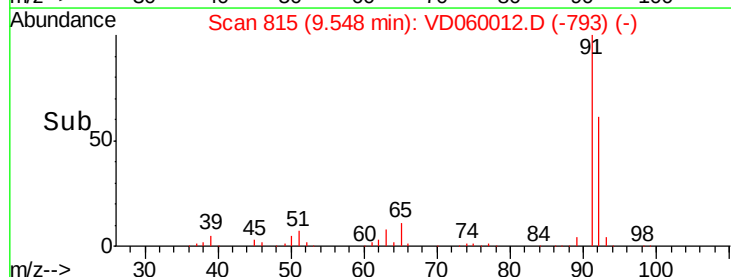
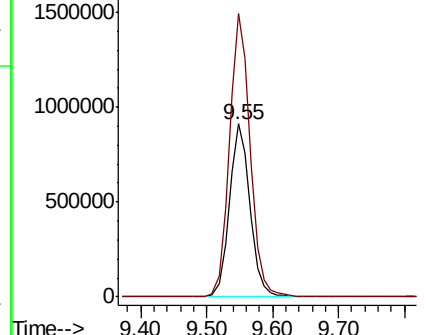
92 100

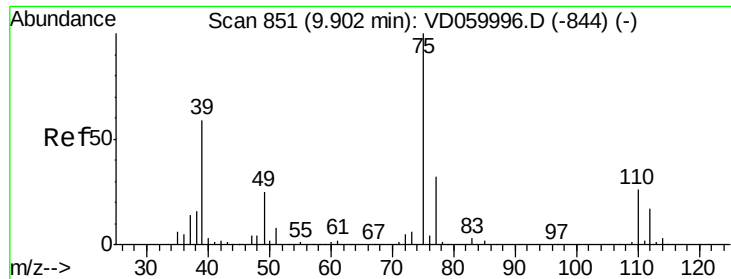
91 163.5 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

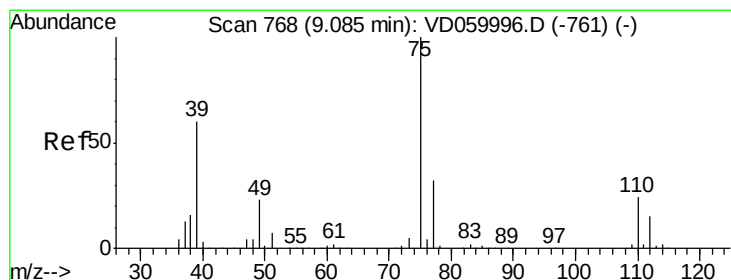
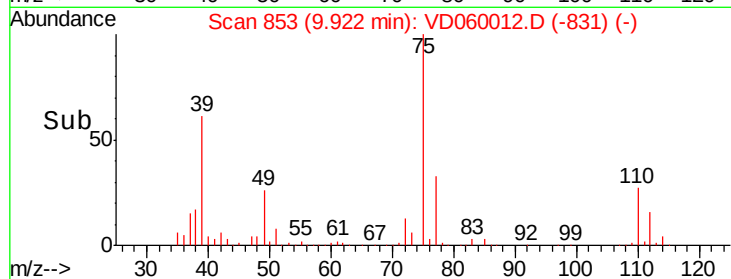
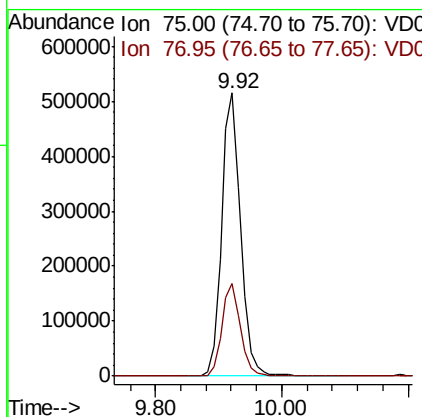
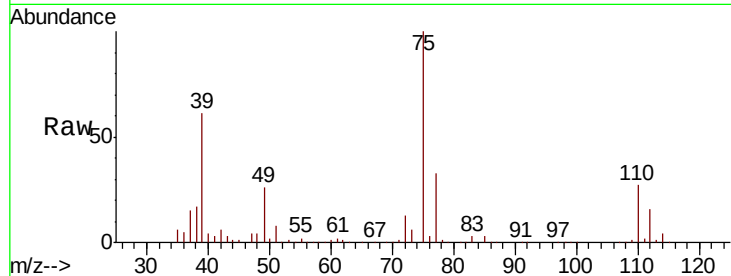




#53
t-1,3-Dichloropropene
Concen: 51.350 ug/l
RT: 9.92 min Scan# 853
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

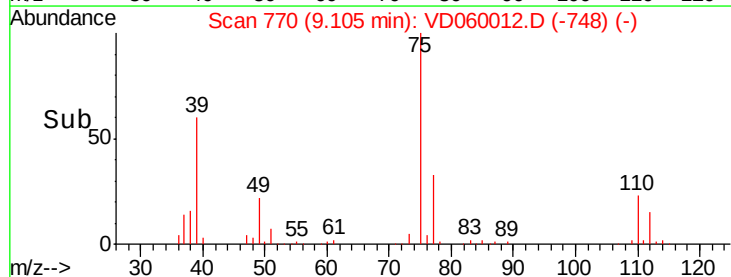
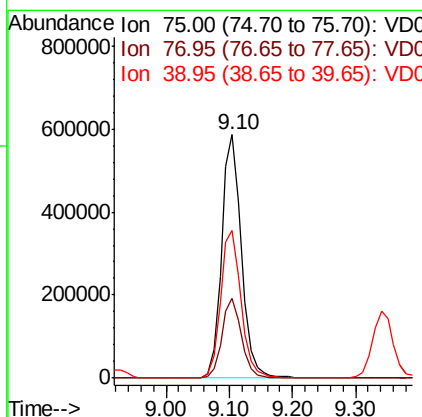
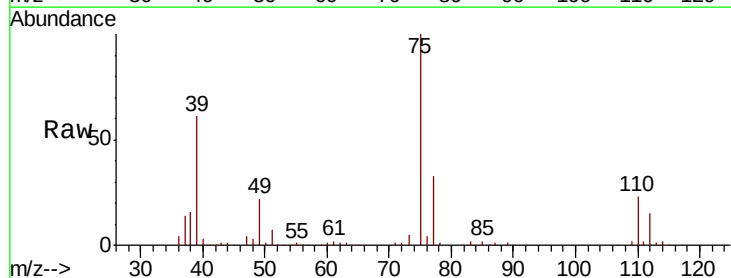
Instrument :
MSVOA_D
ClientSampled :

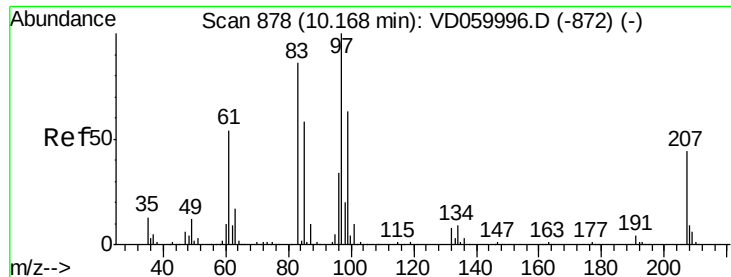
Tot Ion: 75 Resp: 1070779
Ion Ratio Lower Upper
75 100
77 32.6 25.6 38.4



#54
cis-1,3-Dichloropropene
Concen: 51.356 ug/l
RT: 9.10 min Scan# 770
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 75 Resp: 1279511
Ion Ratio Lower Upper
75 100
77 32.5 25.5 38.3
39 60.5 48.0 72.0





#55

1,1,2-Trichloroethane

Concen: 48.138 ug/l

RT: 10.18 min Scan# 879

Delta R.T. 0.01 min

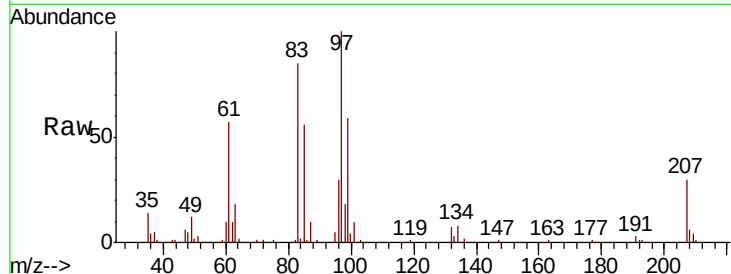
Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 636774

Ion	Ratio	Lower	Upper
97	100		
83	84.9	69.1	103.7
85	55.8	46.2	69.4
99	59.3	50.6	75.8



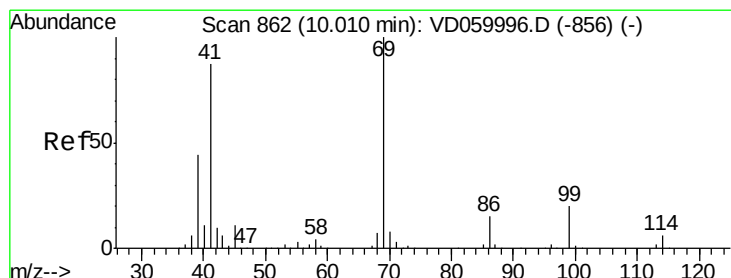
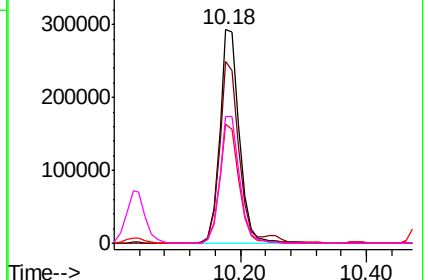
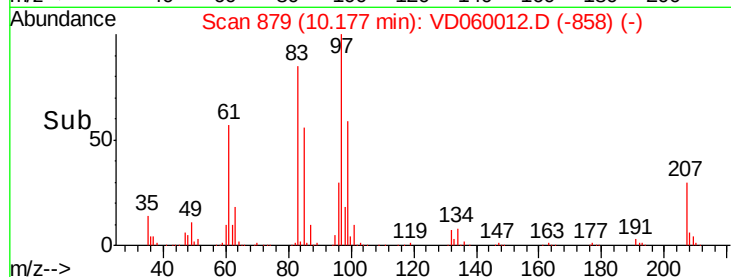
Abundance

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: 50.907 ug/l

RT: 10.03 min Scan# 864

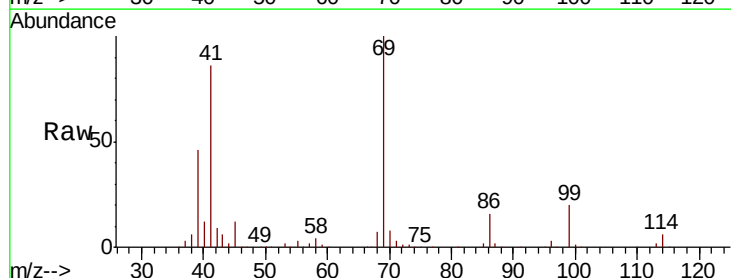
Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Tgt Ion: 69 Resp: 746923

Ion	Ratio	Lower	Upper
69	100		
41	86.1	70.1	105.1
39	46.1	36.5	54.7

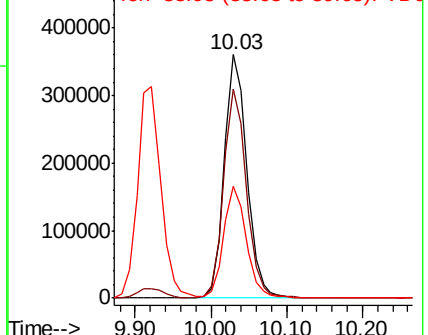
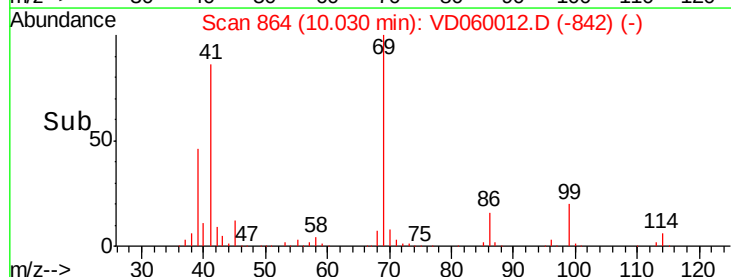


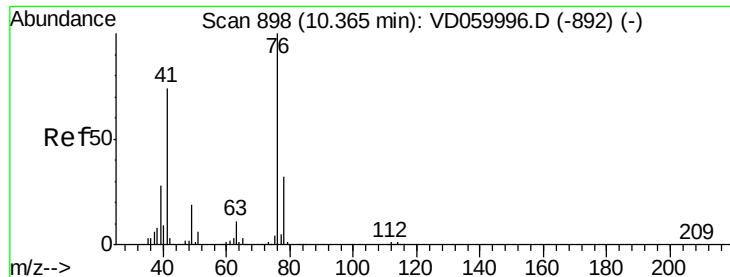
Abundance

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: 50.683 ug/l

RT: 10.38 min Scan# 900

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

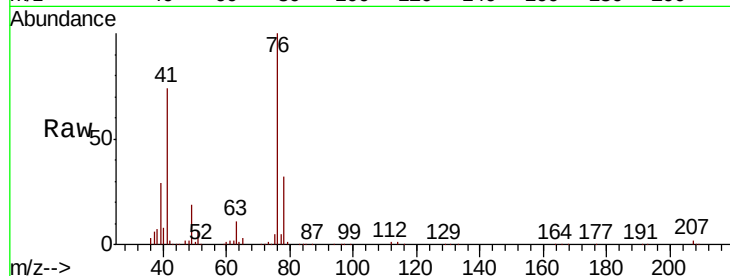
ClientSampled :

Tot Ion: 76 Resp: 989635

Ion Ratio Lower Upper

76 100

78 31.8 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.38

500000

400000

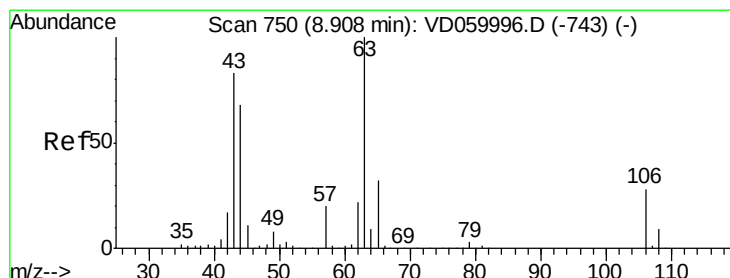
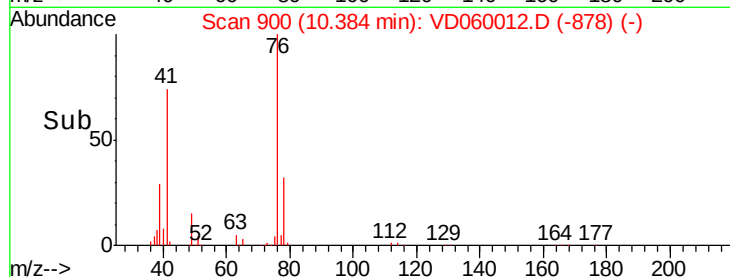
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 263.493 ug/l

RT: 8.93 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060012.D

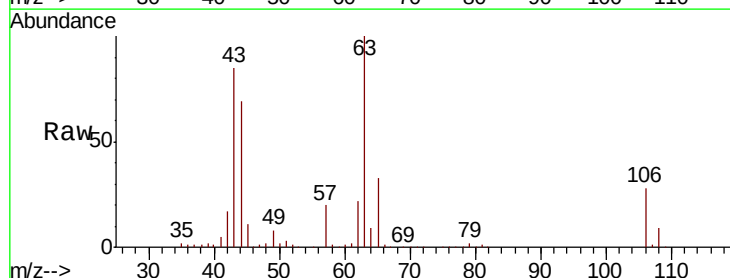
Acq: 17 Sep 2018 10:31

Tgt Ion: 63 Resp: 1866870

Ion Ratio Lower Upper

63 100

106 27.8 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.93

800000

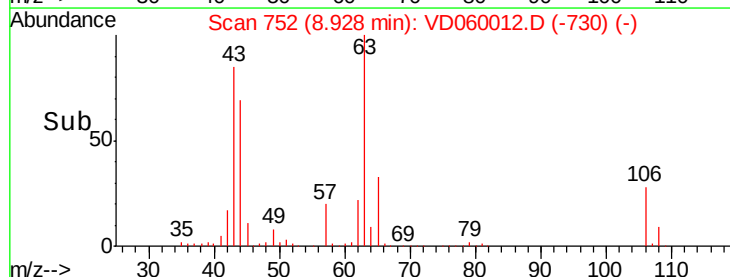
600000

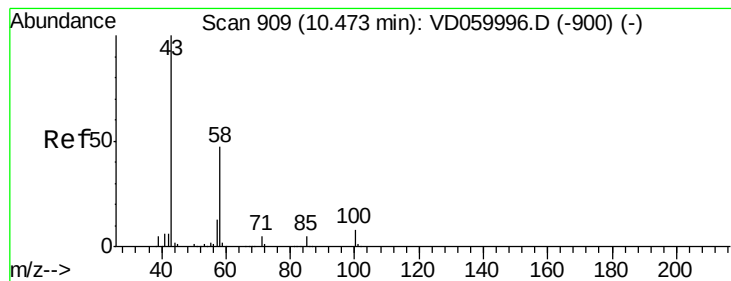
400000

200000

0

Time-->





#59

2-Hexanone

Concen: 249.166 ug/l

RT: 10.49 min Scan# 911

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

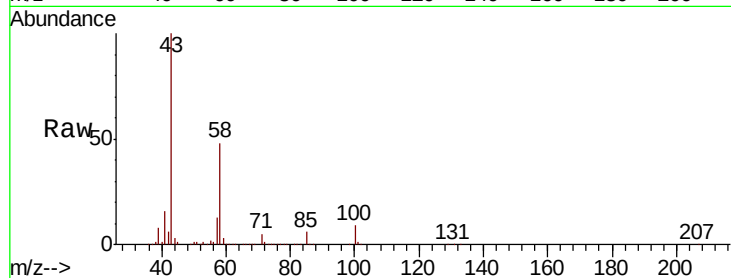
ClientSampled :

Tot Ion: 43 Resp: 2517066

Ion Ratio Lower Upper

43 100

58 47.7 23.4 70.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1500000

1000000

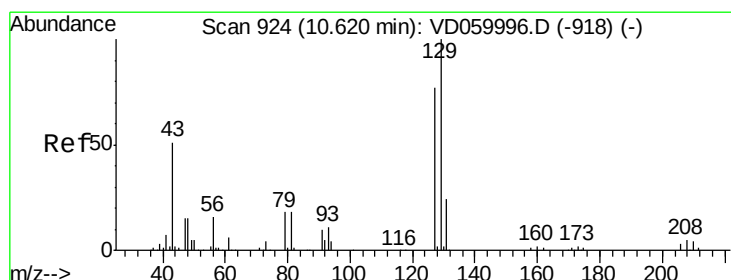
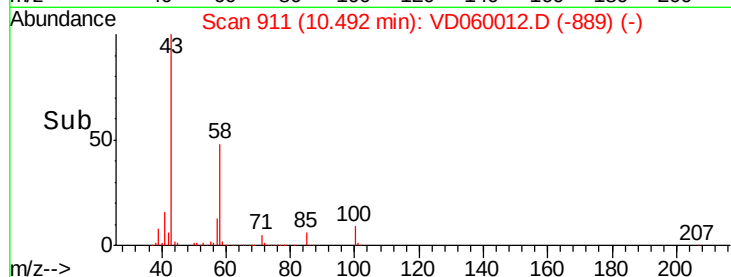
500000

0

Time-->

10.40 10.50 10.60

10.49



#60

Dibromochloromethane

Concen: 51.728 ug/l

RT: 10.64 min Scan# 926

Delta R.T. 0.02 min

Lab File: VD060012.D

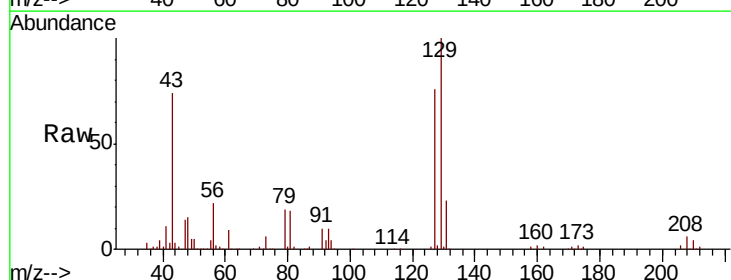
Acq: 17 Sep 2018 10:31

Tgt Ion: 129 Resp: 832850

Ion Ratio Lower Upper

129 100

127 75.6 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

500000

400000

300000

200000

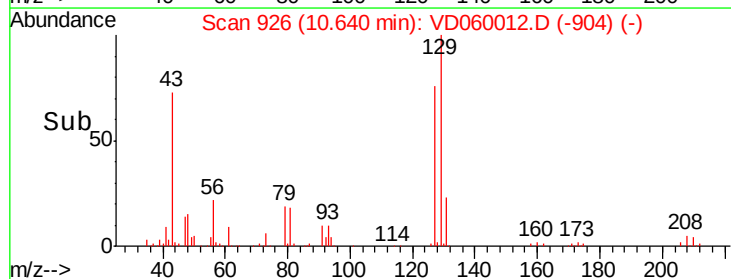
100000

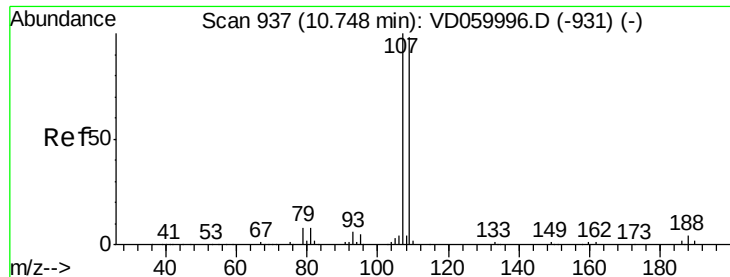
0

Time-->

10.50 10.60 10.70 10.80

10.64





#61

1,2-Dibromoethane

Concen: 50.541 ug/l

RT: 10.76 min Scan# 938

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

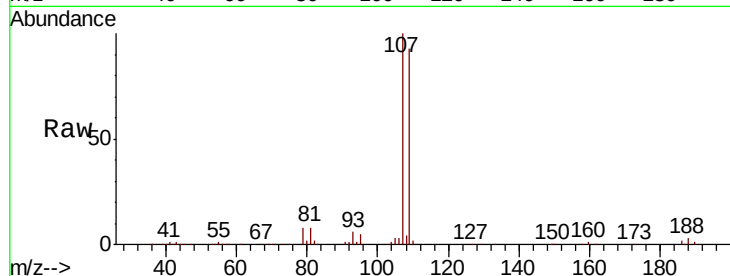
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:107 Resp: 690274

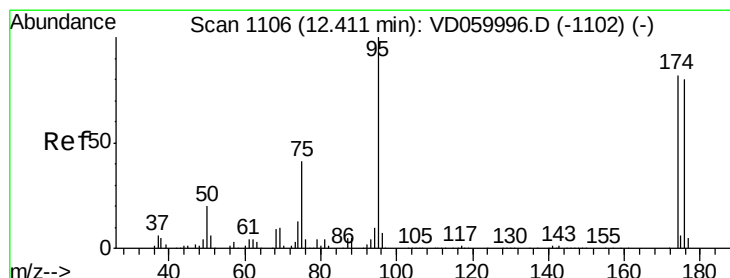
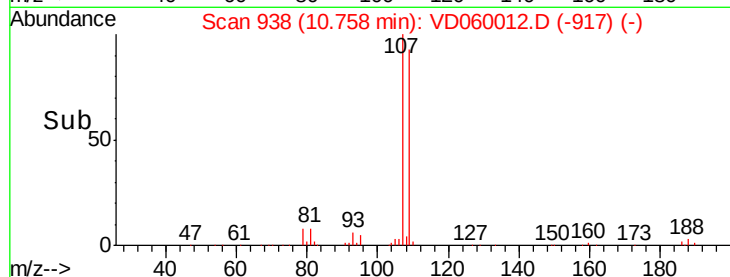
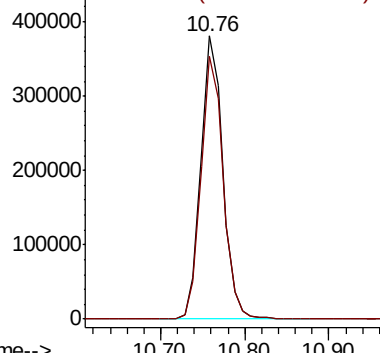
Ion Ratio Lower Upper

107 100

109 92.9 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: 50.541 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

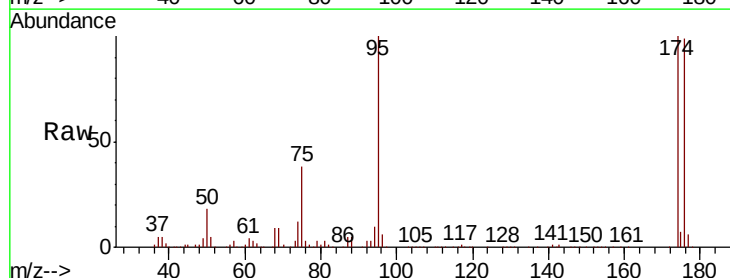
Tgt Ion: 95 Resp: 1045742

Ion Ratio Lower Upper

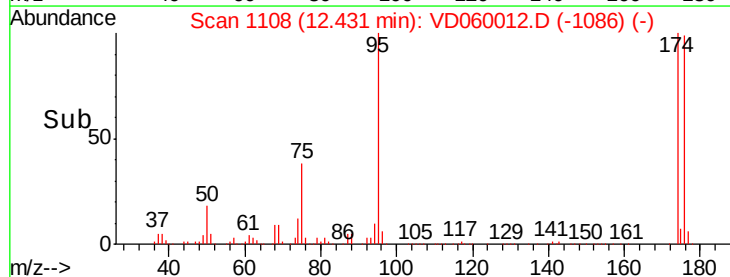
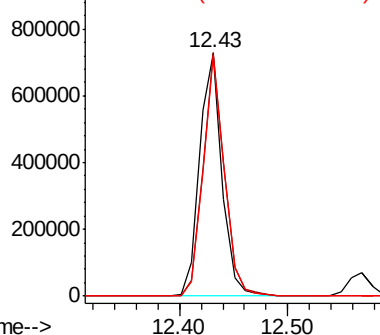
95 100

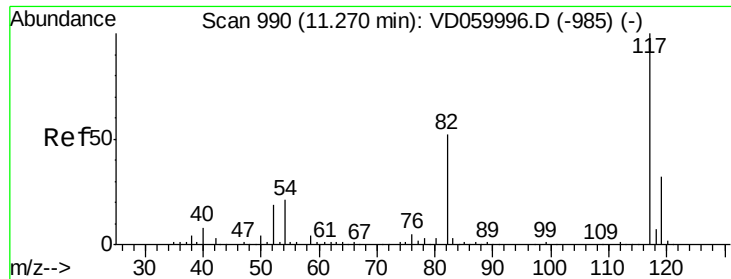
174 100.4 0.0 165.0

176 99.4 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

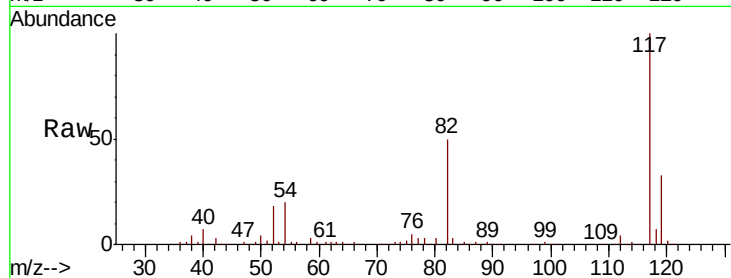




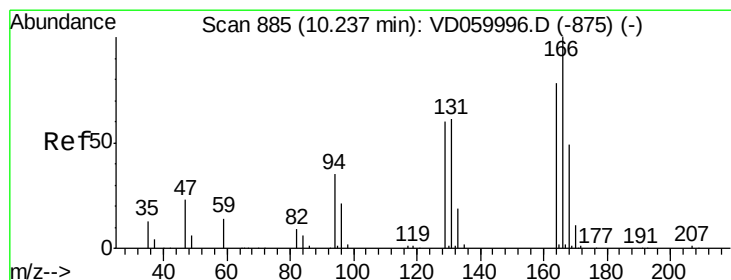
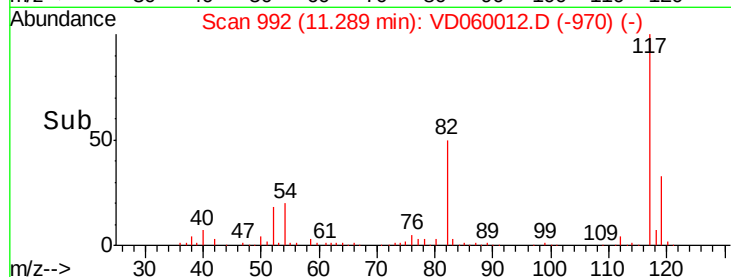
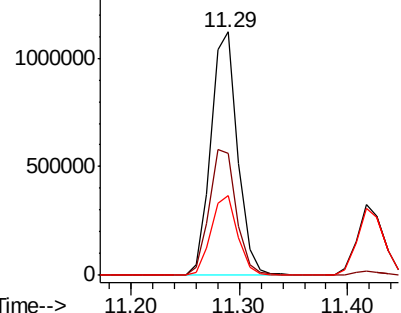
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:117 Resp: 1932963
Ion Ratio Lower Upper
117 100
82 50.2 41.7 62.5
119 32.7 26.0 39.0

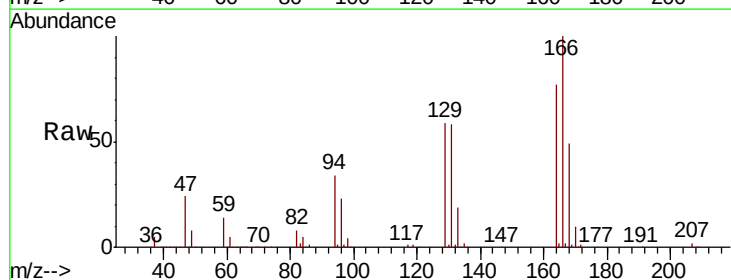


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

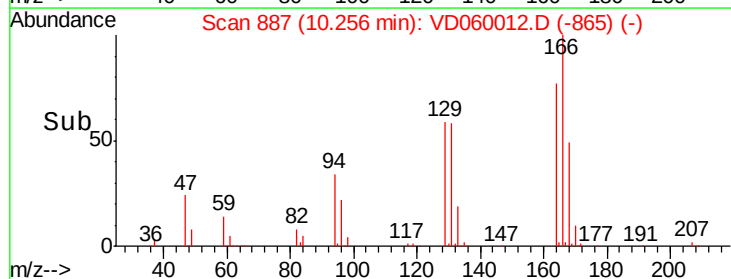
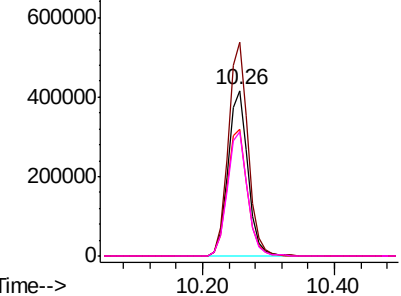


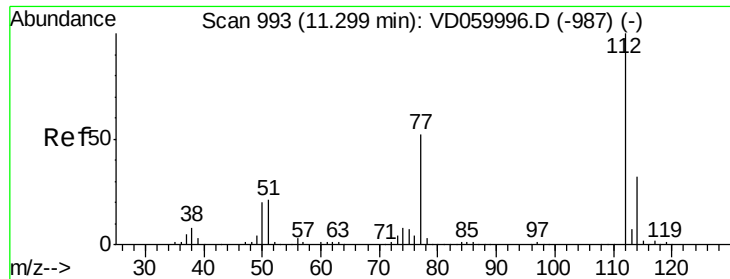
#64
Tetrachloroethene
Concen: 51.452 ug/l
RT: 10.26 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:164 Resp: 877482
Ion Ratio Lower Upper
164 100
166 129.2 103.0 154.6
129 76.6 61.9 92.9
131 75.2 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
800000 Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

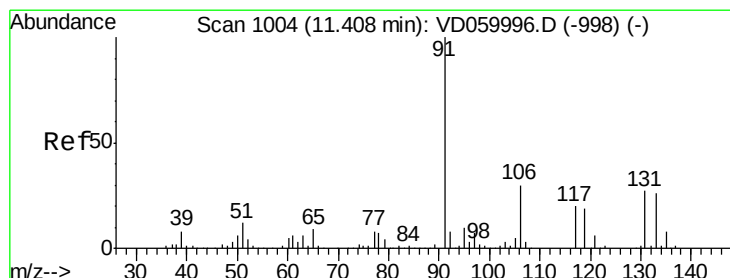
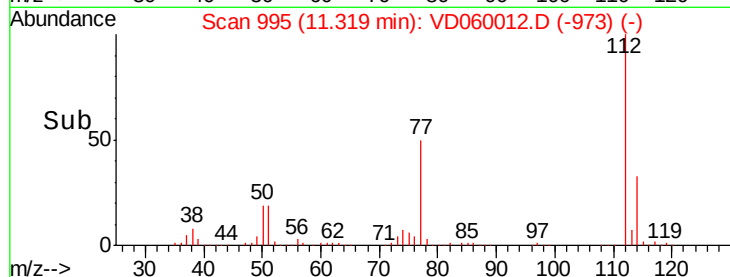
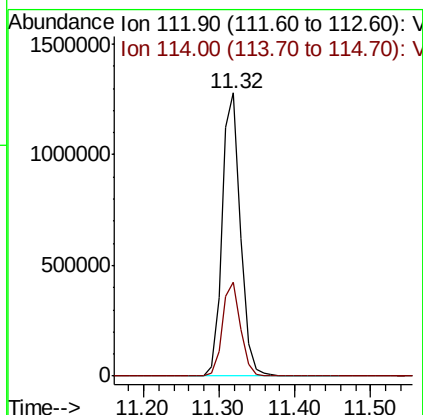
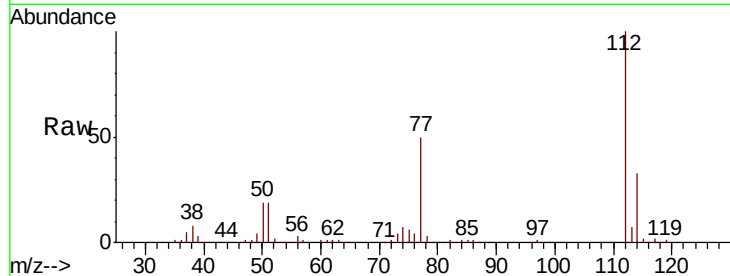




#65
Chlorobenzene
Concen: 51.718 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

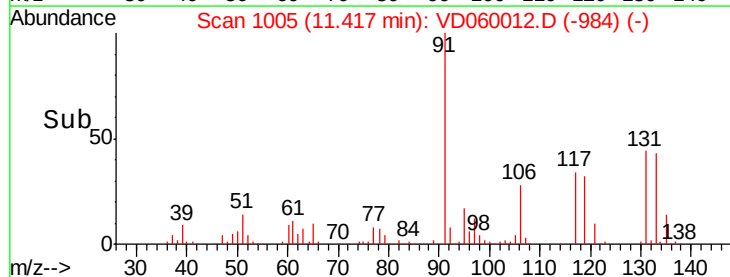
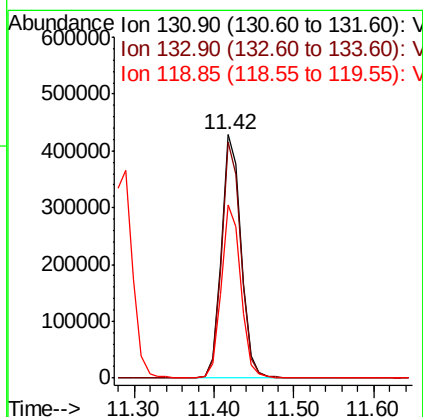
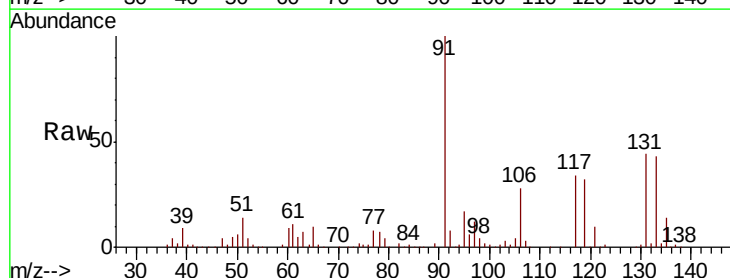
Instrument :
MSVOA_D
ClientSampled :

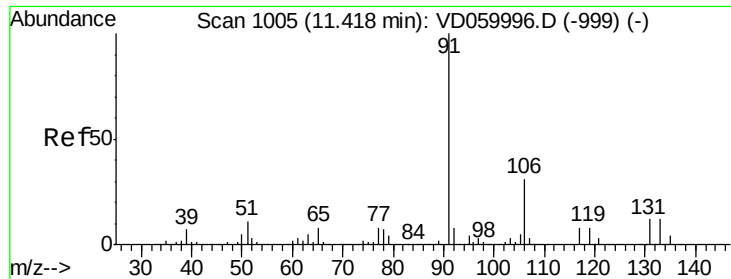
Tot Ion:112 Resp: 2149295
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.242 ug/l
RT: 11.42 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:131 Resp: 746283
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 71.3 35.6 106.9

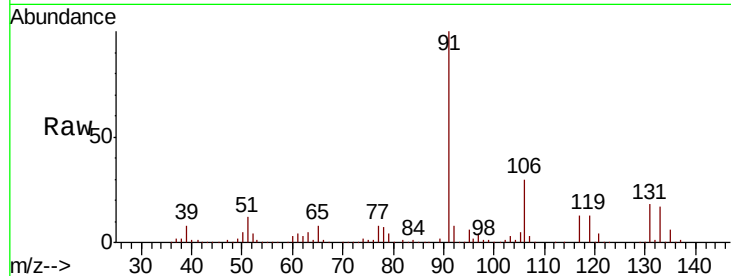




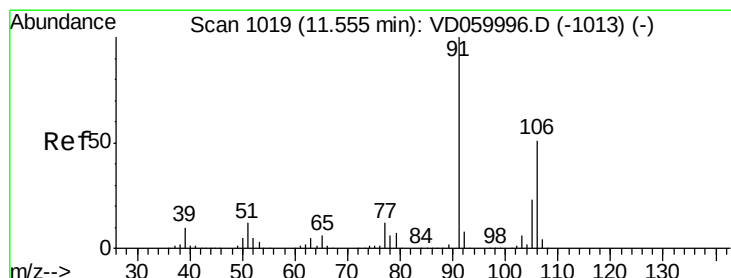
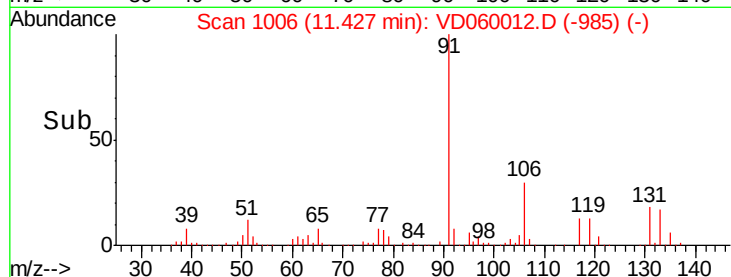
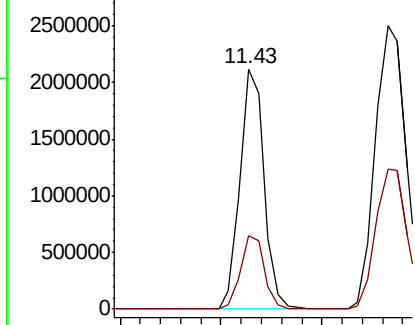
#67
Ethyl Benzene
Concen: 52.602 ug/l
RT: 11.43 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 3517905
Ion Ratio Lower Upper
91 100
106 30.4 24.8 37.2

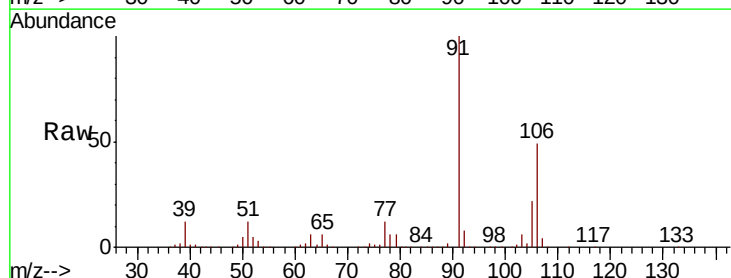


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

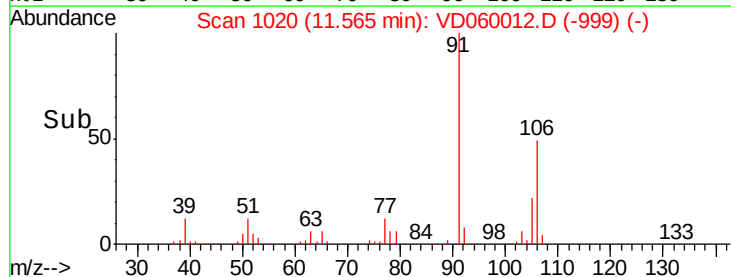
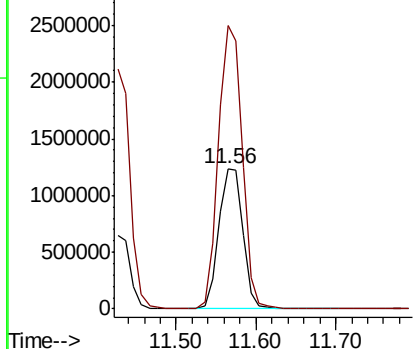


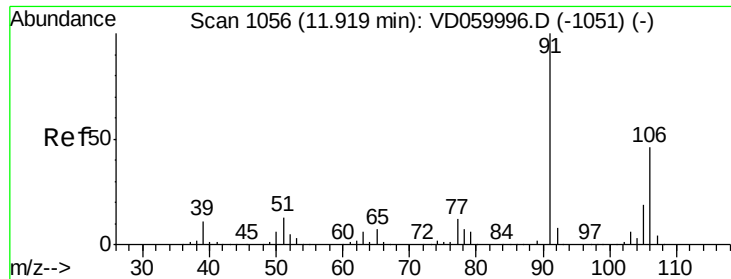
#68
m/p-Xylenes
Concen: 106.285 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 106 Resp: 2625199
Ion Ratio Lower Upper
106 100
91 202.0 157.0 235.6



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

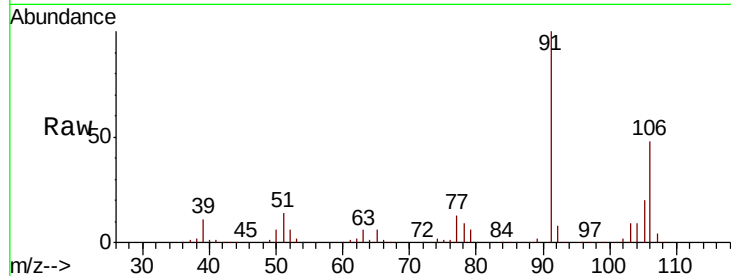




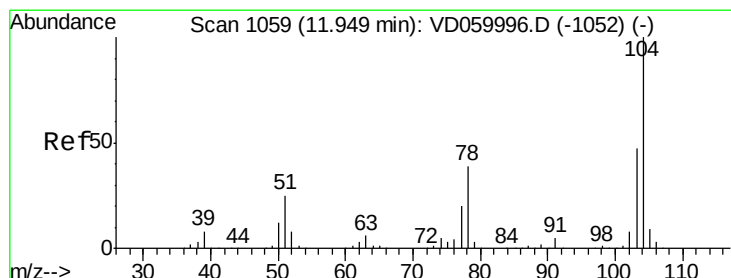
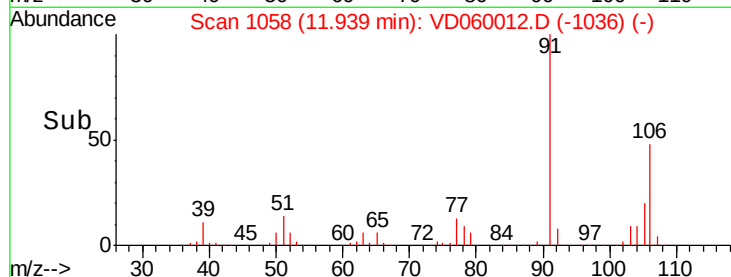
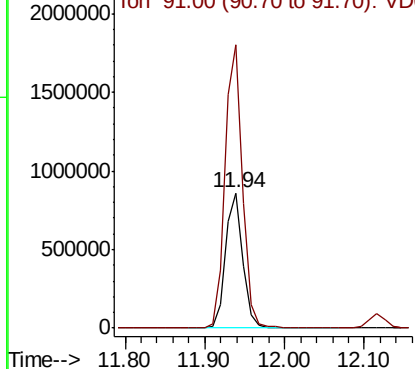
#69
o-Xylene
Concen: 53.320 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1304931
Ion Ratio Lower Upper
106 100
91 209.2 107.7 323.1

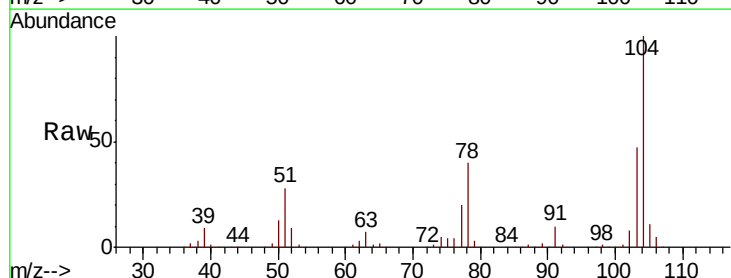


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

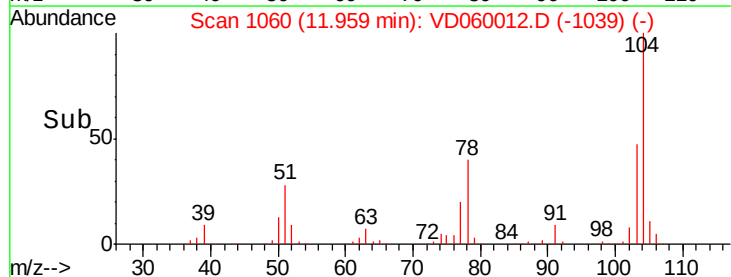
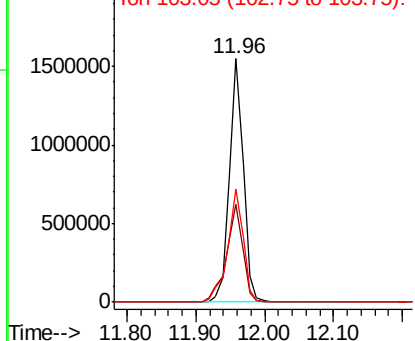


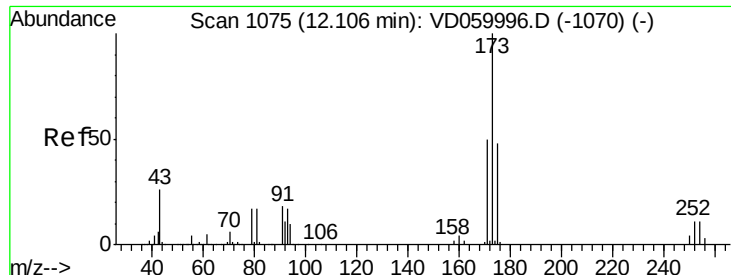
#70
Styrene
Concen: 52.481 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:104 Resp: 2159616
Ion Ratio Lower Upper
104 100
78 40.3 31.0 46.4
103 46.7 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

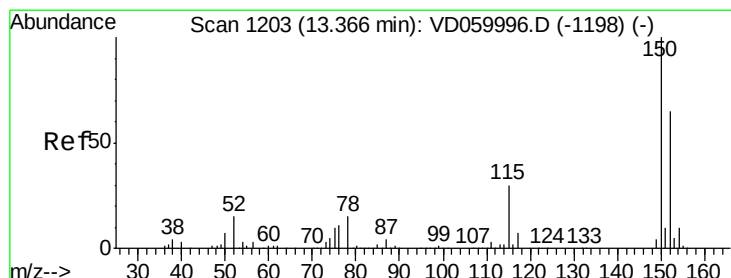
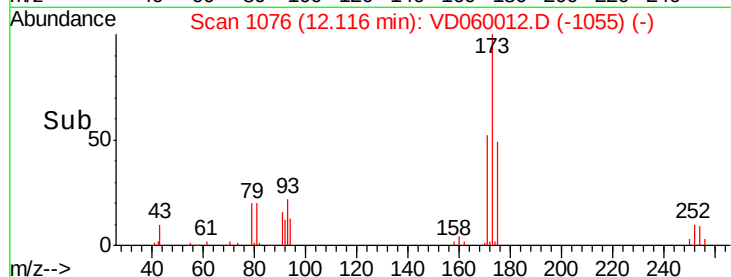
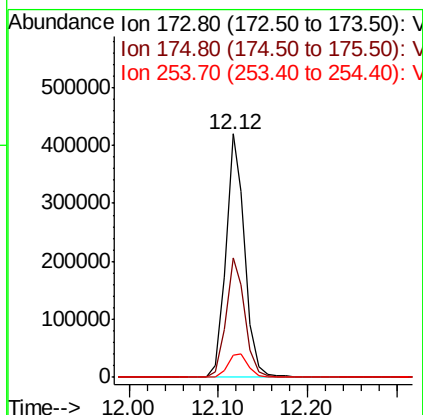
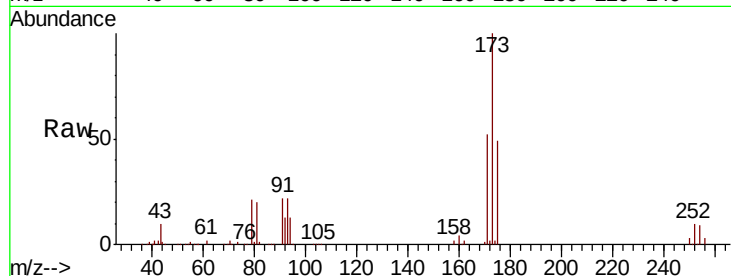




#71
Bromoform
Concen: 51.934 ug/l
RT: 12.12 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

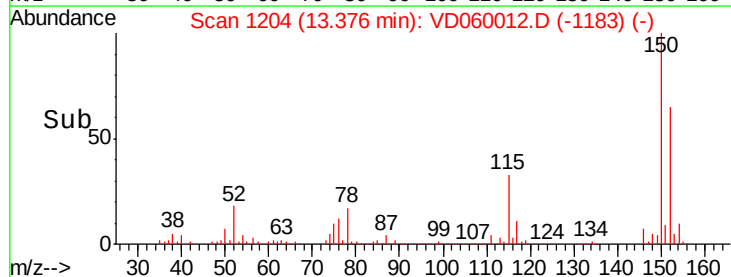
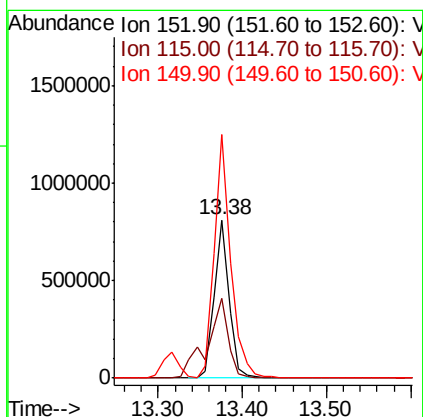
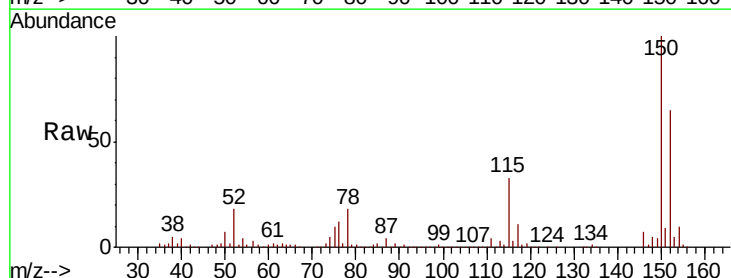
Instrument :
MSVOA_D
ClientSampleId :

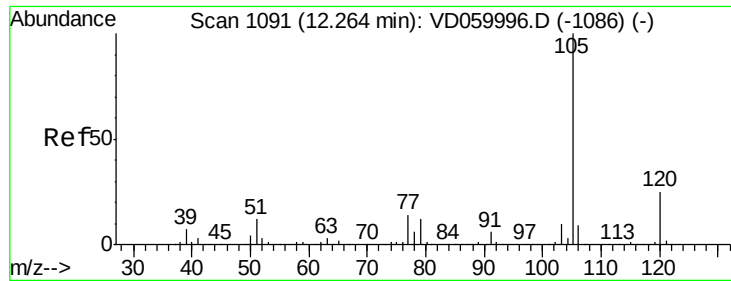
Tot Ion:173 Resp: 625421
Ion Ratio Lower Upper
173 100
175 49.1 24.0 72.0
254 9.1 8.6 13.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:152 Resp: 988682
Ion Ratio Lower Upper
152 100
115 50.8 24.6 73.8
150 154.0 0.0 313.4





#73

Isopropylbenzene

Concen: 53.238 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

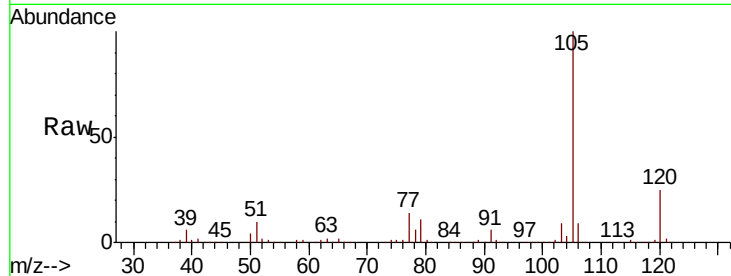
ClientSampled :

Tot Ion:105 Resp: 3452057

Ion Ratio Lower Upper

105 100

120 25.1 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

2500000

2000000

1500000

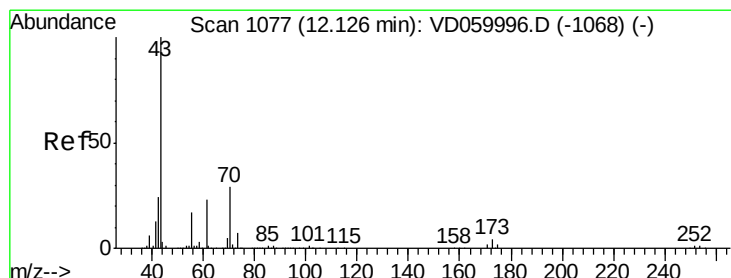
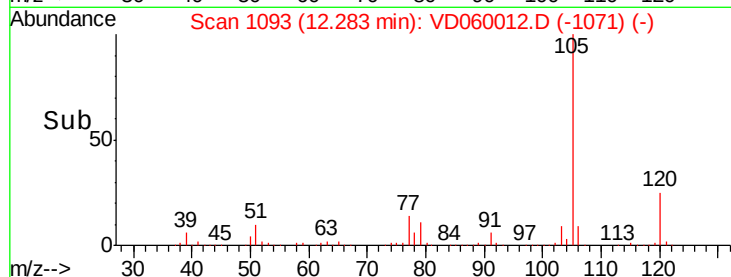
1000000

500000

0

12.20 12.30 12.40

Time-->



#74

N-ethyl acetate

Concen: 51.729 ug/l

RT: 12.14 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Tgt Ion: 43 Resp: 1328647

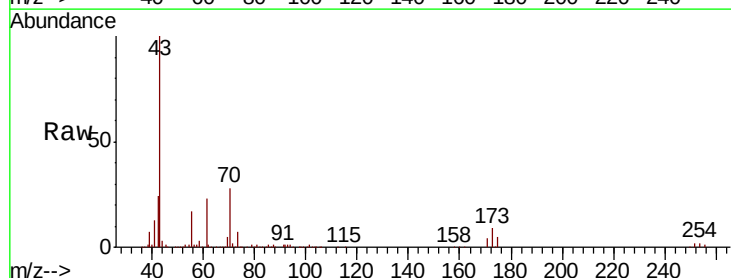
Ion Ratio Lower Upper

43 100

70 27.9 22.9 34.3

55 17.2 14.0 21.0

61 23.4 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

1500000

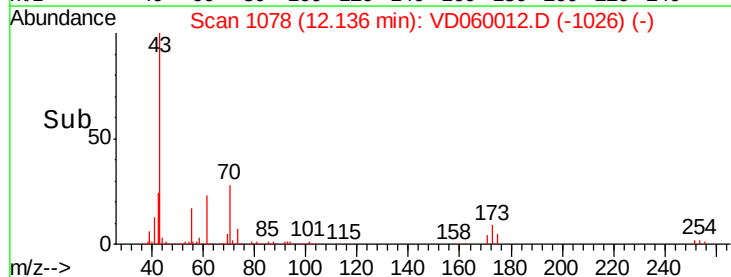
1000000

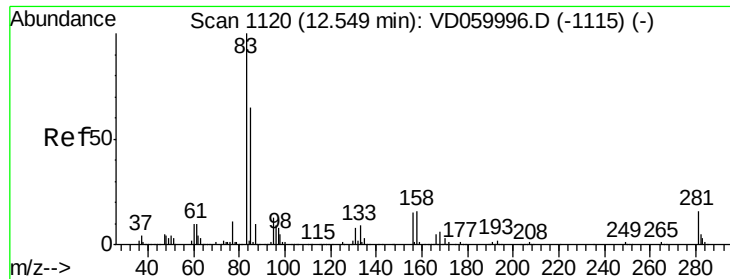
500000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.830 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

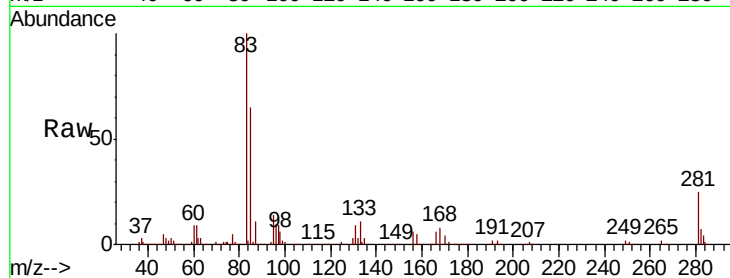
Tot Ion: 83 Resp: 747705

Ion Ratio Lower Upper

83 100

131 9.0 4.1 12.3

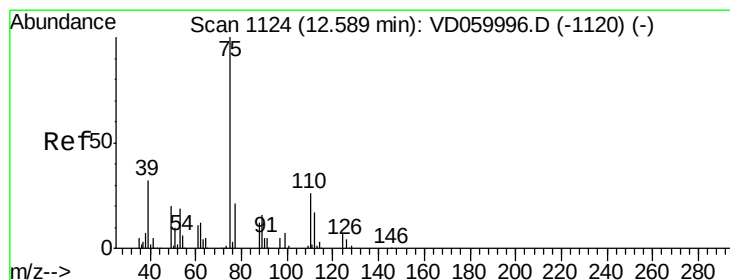
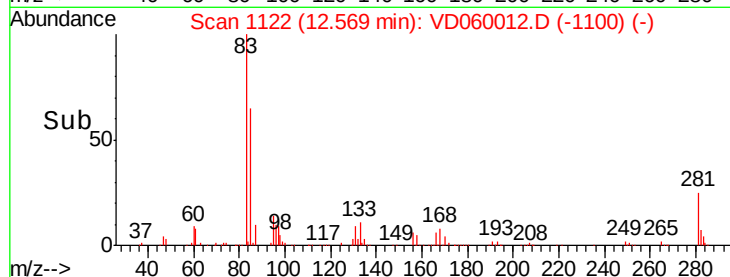
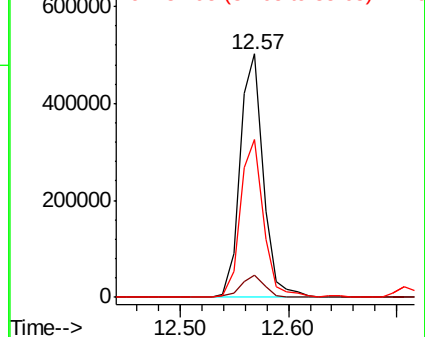
85 65.1 32.4 97.2



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: 50.913 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060012.D

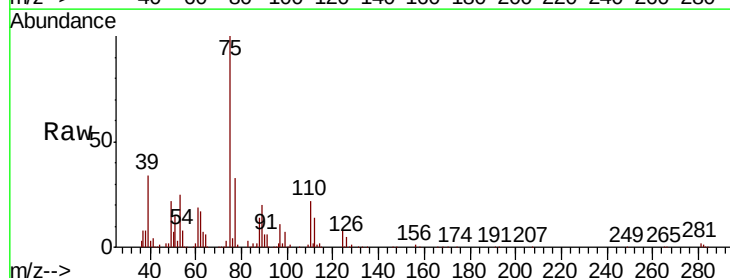
Acq: 17 Sep 2018 10:31

Tgt Ion: 75 Resp: 768785

Ion Ratio Lower Upper

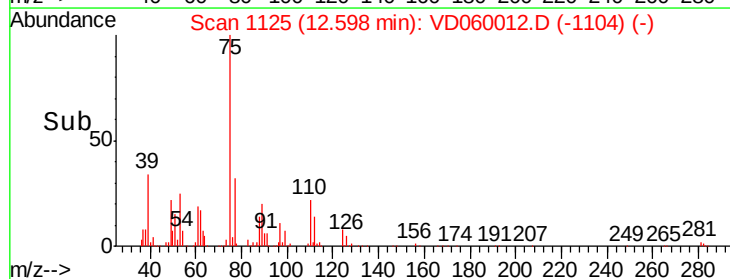
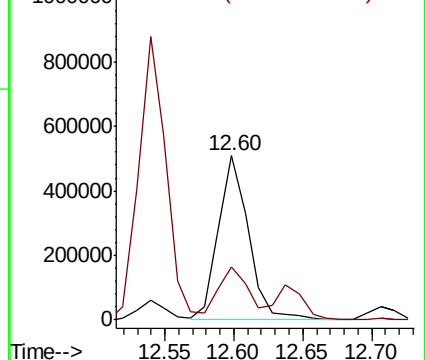
75 100

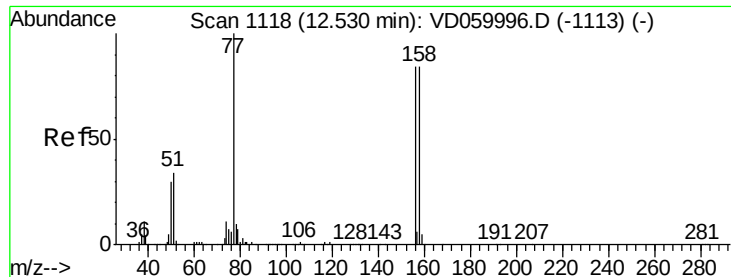
77 32.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 53.901 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampled :

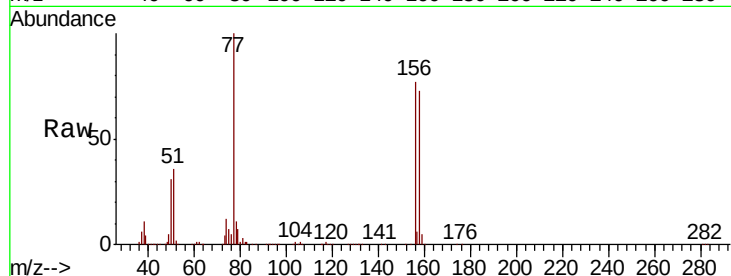
Tot Ion:156 Resp: 1006782

Ion Ratio Lower Upper

156 100

77 130.3 59.5 178.4

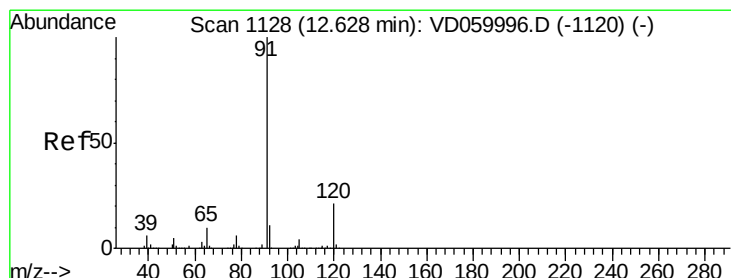
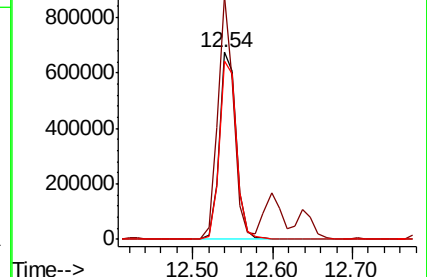
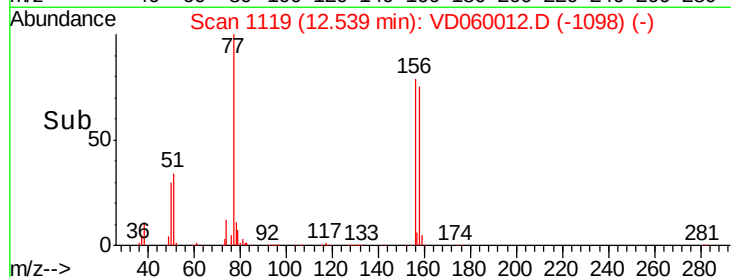
158 95.5 50.0 149.8



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: 51.511 ug/l

RT: 12.64 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD060012.D

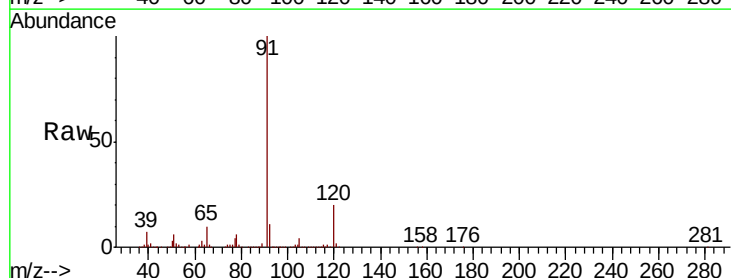
Acq: 17 Sep 2018 10:31

Tgt Ion: 91 Resp: 4200228

Ion Ratio Lower Upper

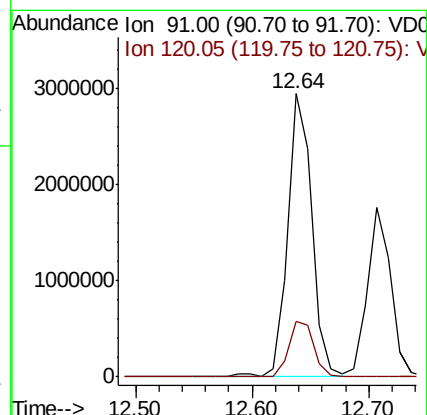
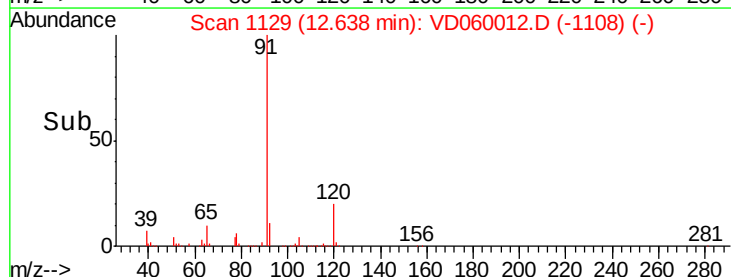
91 100

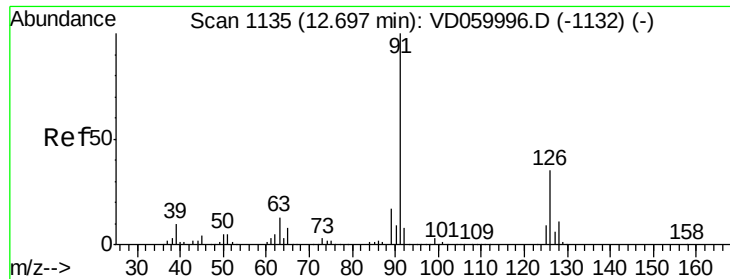
120 19.6 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

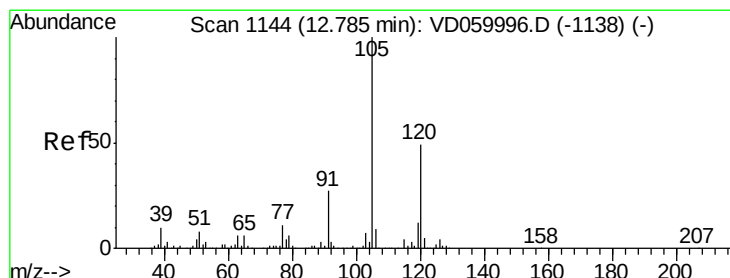
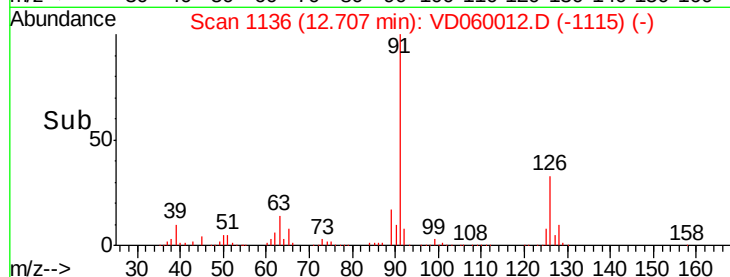
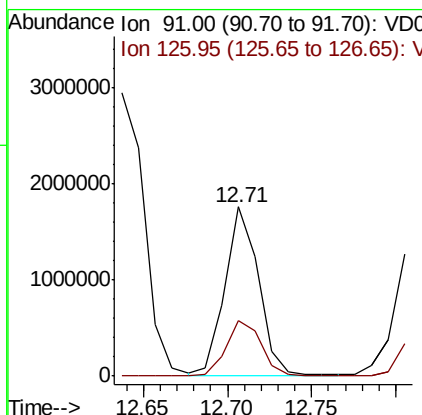
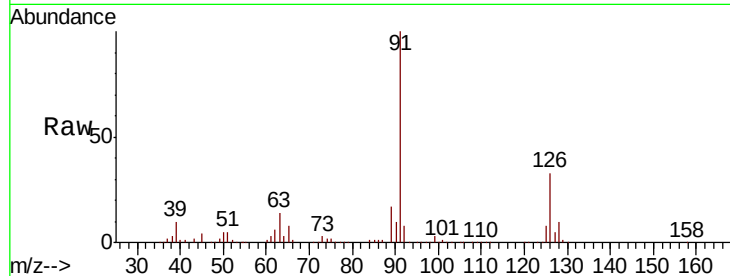




#79
 2-Chlorotoluene
 Concen: 52.751 ug/l
 RT: 12.71 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

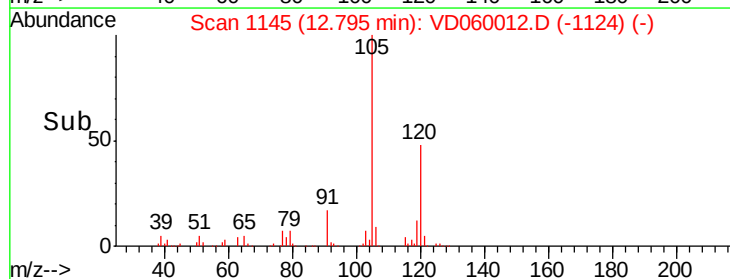
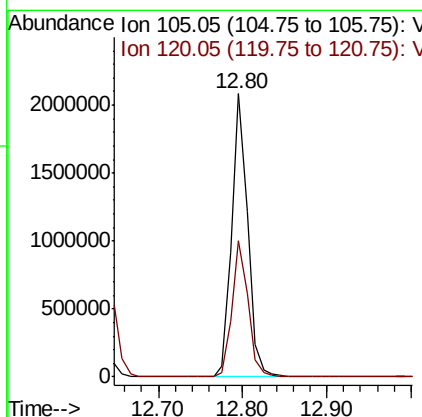
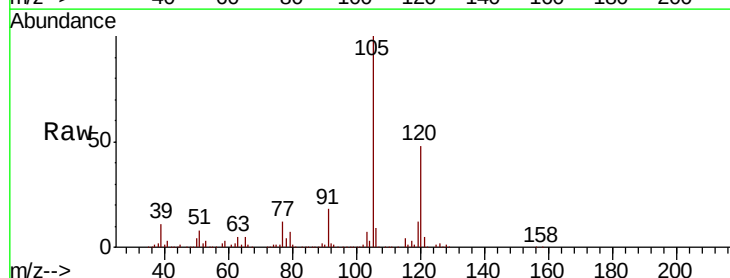
Instrument :
 MSVOA_D
 ClientSampleId :

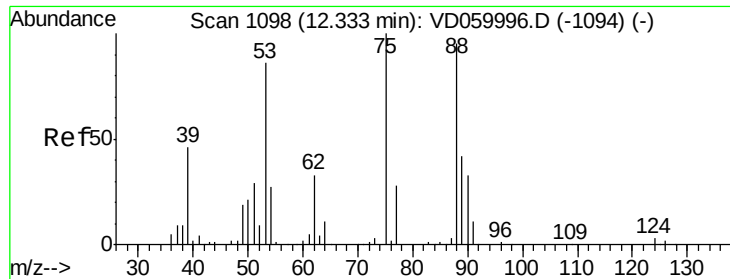
Tot Ion: 91 Resp: 2427775
 Ion Ratio Lower Upper
 91 100
 126 32.8 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 54.956 ug/l
 RT: 12.80 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion:105 Resp: 2731307
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 51.308 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

ClientSampleId :

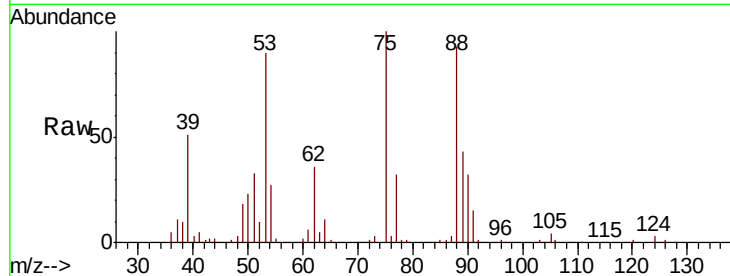
Tot Ion: 75 Resp: 233867

Ion Ratio Lower Upper

75 100

53 89.6 68.4 102.6

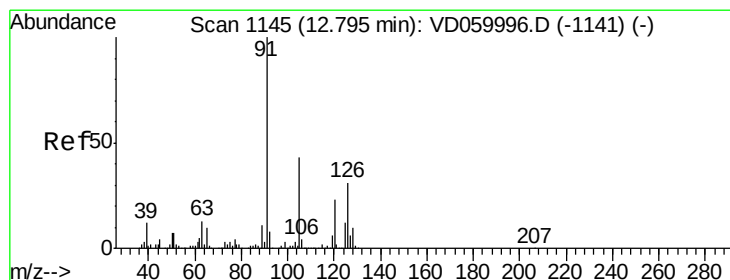
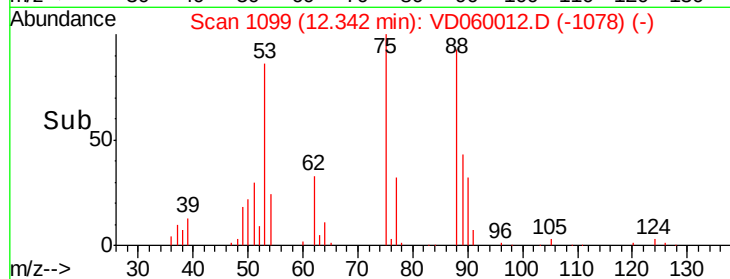
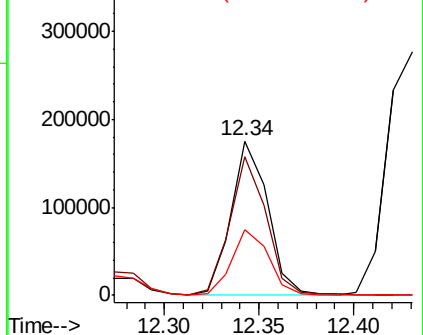
89 42.7 33.8 50.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 53.608 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.02 min

Lab File: VD060012.D

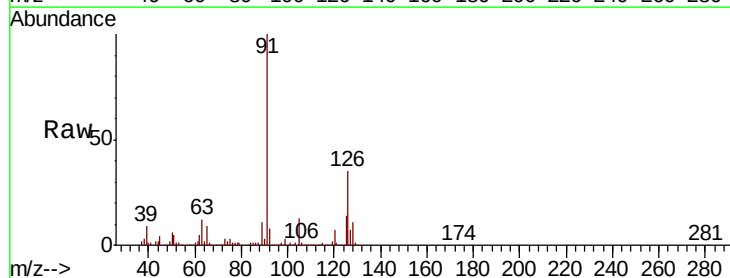
Acq: 17 Sep 2018 10:31

Tgt Ion: 91 Resp: 2712527

Ion Ratio Lower Upper

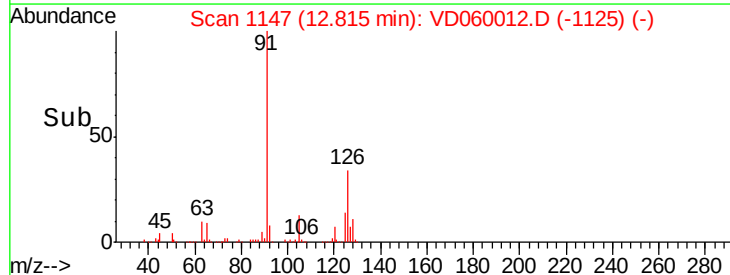
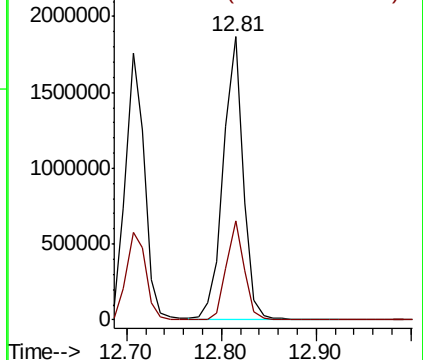
91 100

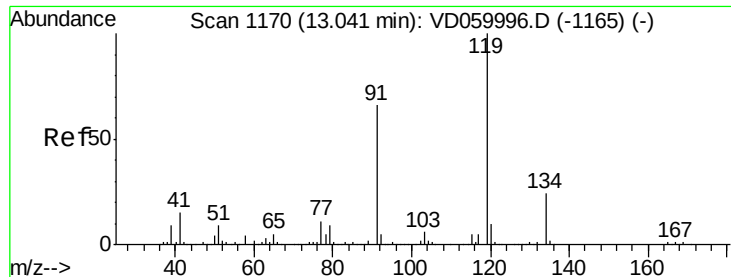
126 34.8 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

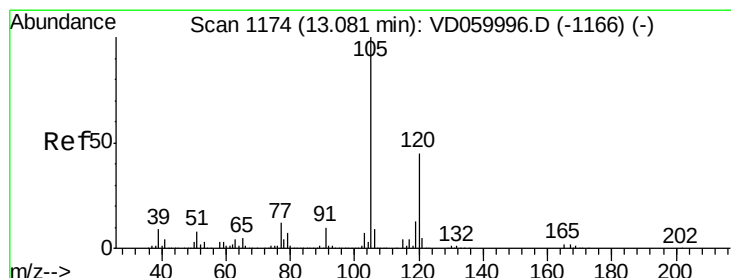
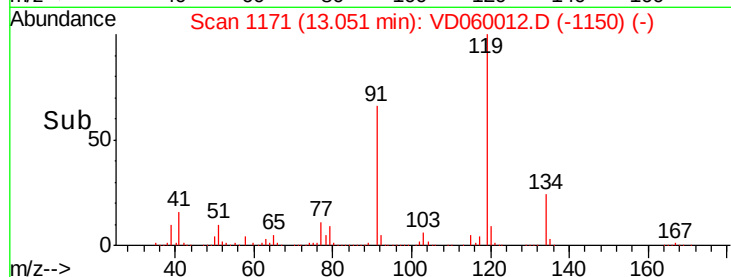
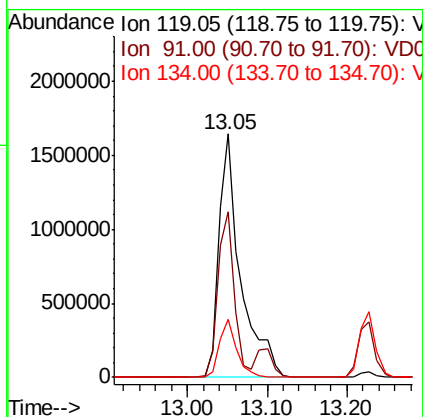
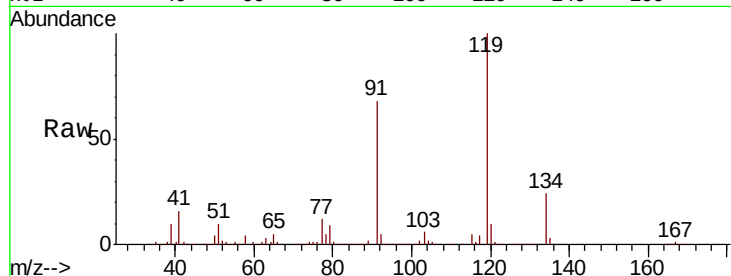




#83
 tert-Butylbenzene
 Concen: 54.653 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

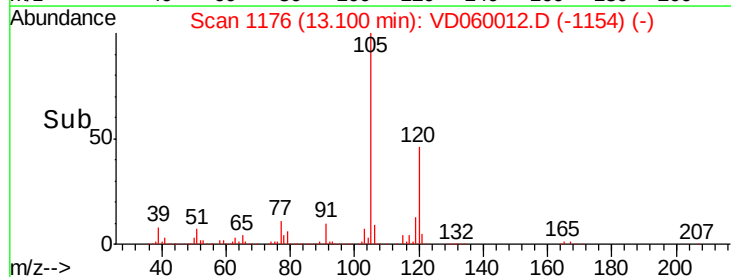
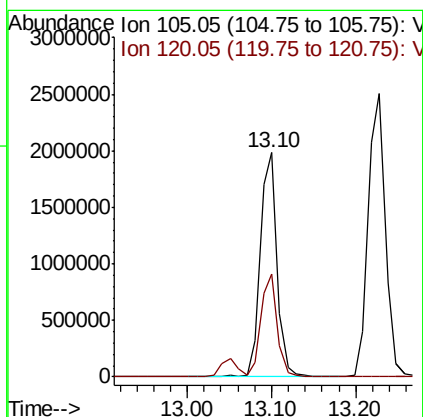
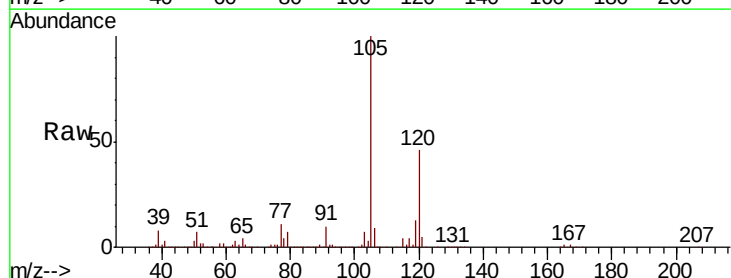
Instrument :
 MSVOA_D
 ClientSampleId :

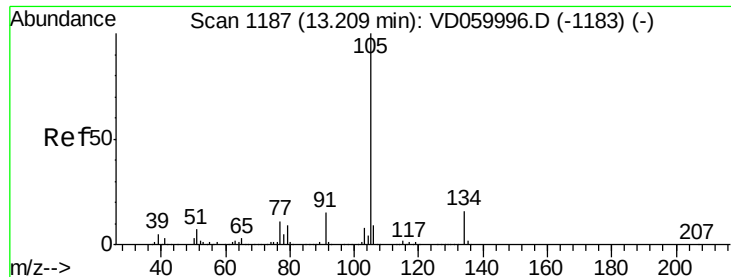
Tot Ion:119 Resp: 3146759
 Ion Ratio Lower Upper
 119 100
 91 68.2 32.9 98.6
 134 24.1 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 52.663 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion:105 Resp: 2793057
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.4 67.0





#85

sec-Butylbenzene

Concen: 51.625 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.02 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

Instrument :

MSVOA_D

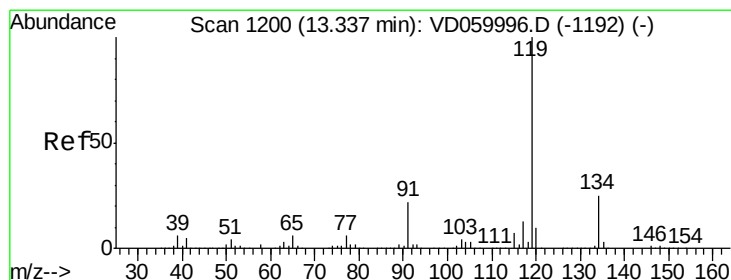
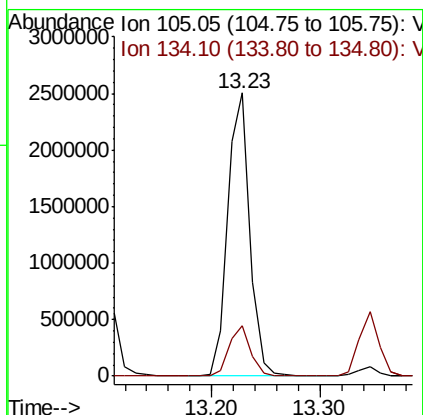
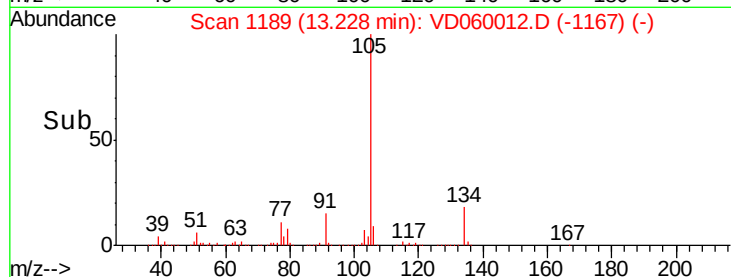
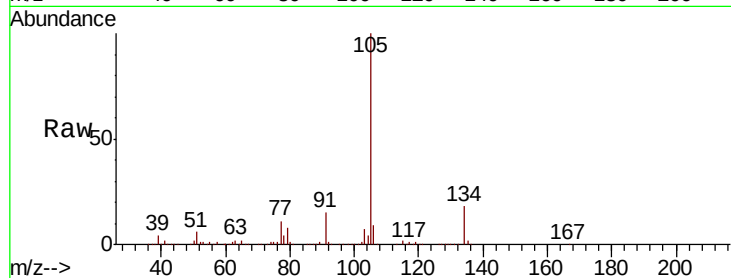
ClientSampled :

Tot Ion:105 Resp: 3528404

Ion Ratio Lower Upper

105 100

134 17.8 8.2 24.6



#86

p-Isopropyltoluene

Concen: 52.576 ug/l

RT: 13.35 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060012.D

Acq: 17 Sep 2018 10:31

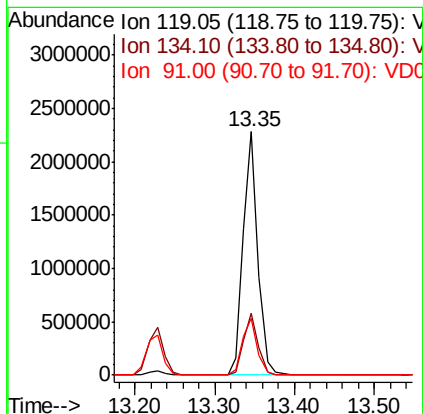
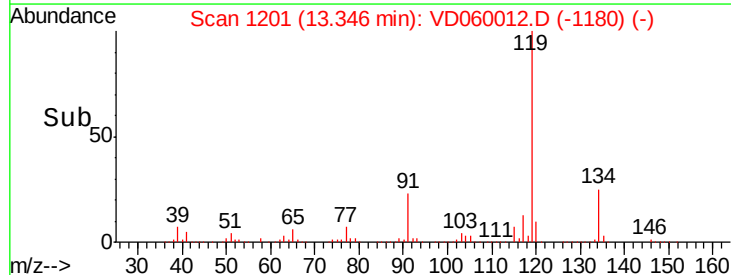
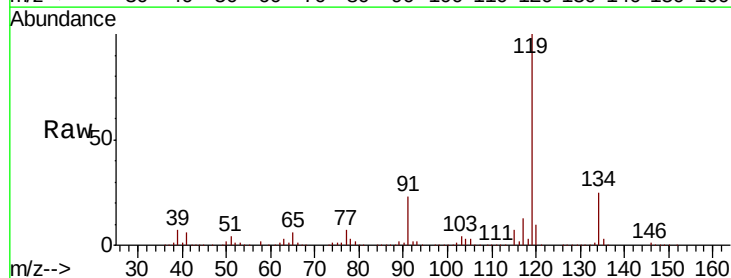
Tgt Ion:119 Resp: 2906342

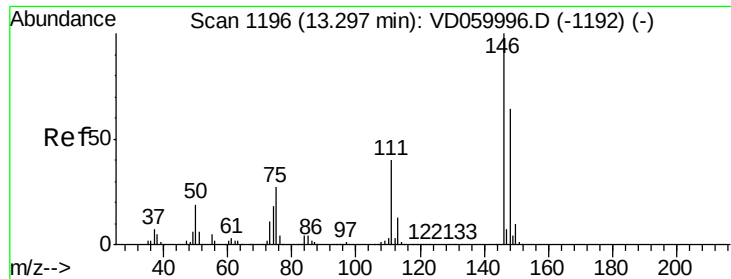
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.3

91 23.3 11.1 33.3

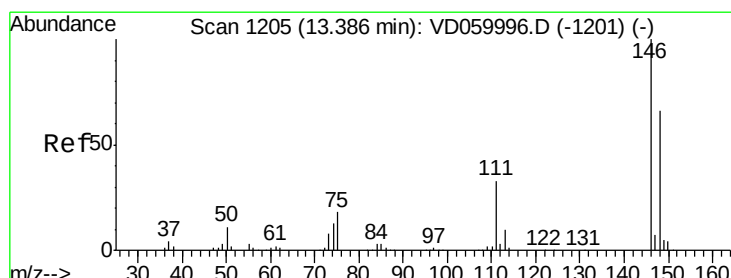
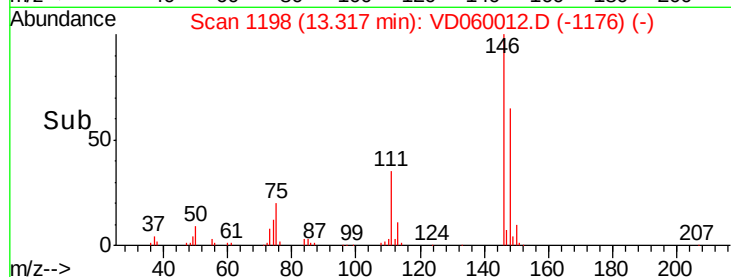
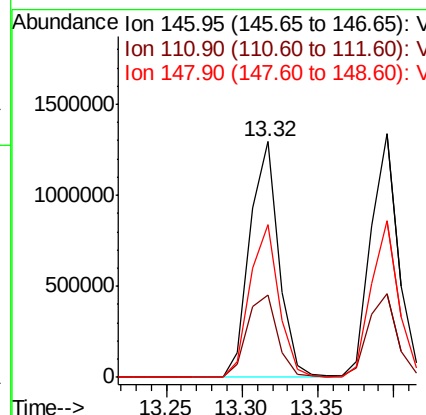
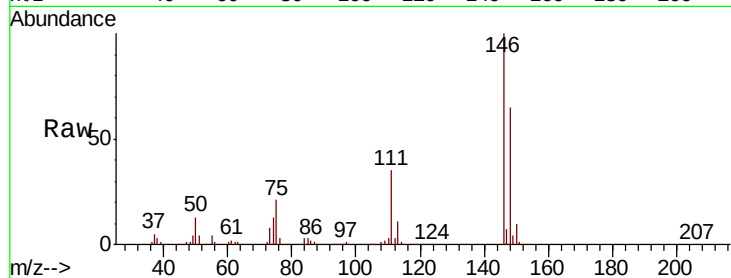




#87
 1,3-Dichlorobenzene
 Concen: 53.196 ug/l
 RT: 13.32 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

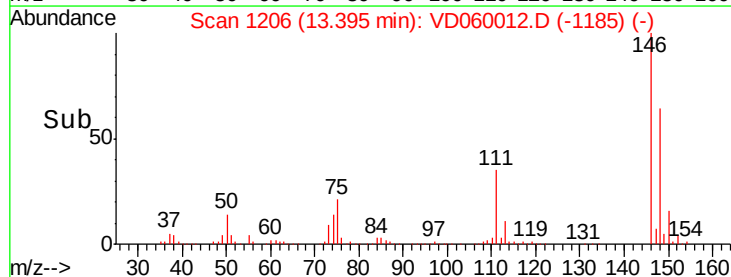
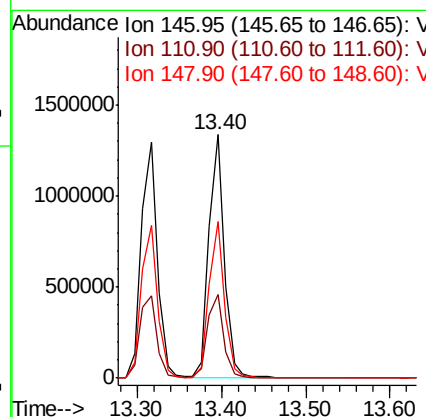
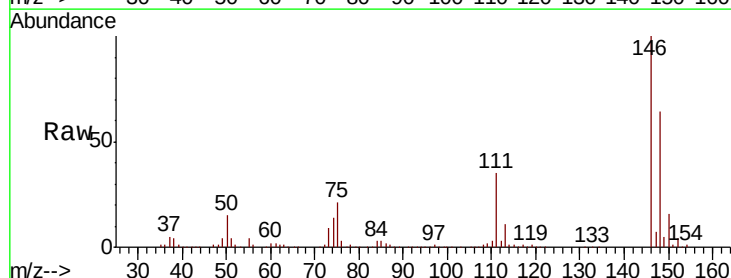
Instrument :
 MSVOA_D
 ClientSampleId :

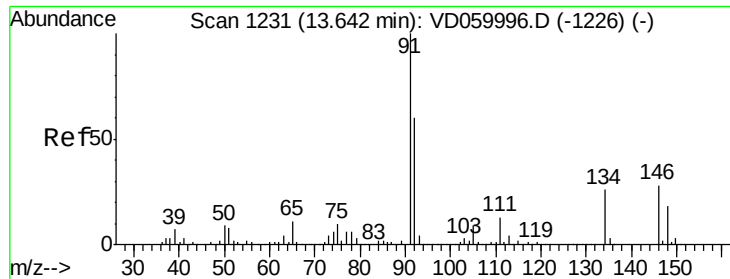
Tot Ion:146 Resp: 1727843
 Ion Ratio Lower Upper
 146 100
 111 35.0 20.2 60.5
 148 64.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 52.064 ug/l
 RT: 13.40 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion:146 Resp: 1715264
 Ion Ratio Lower Upper
 146 100
 111 34.5 16.7 50.0
 148 64.3 32.9 98.6

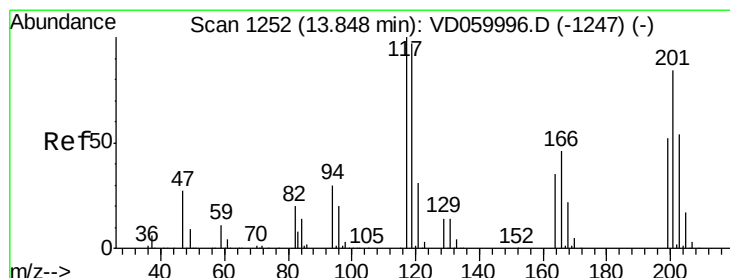
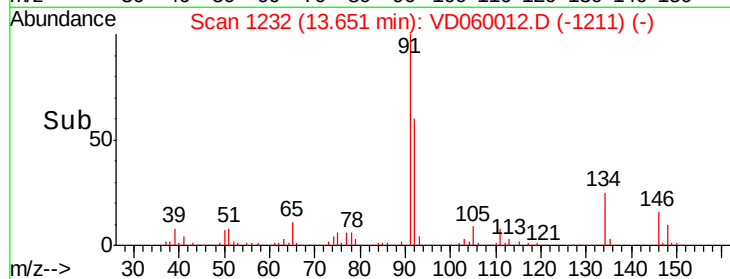
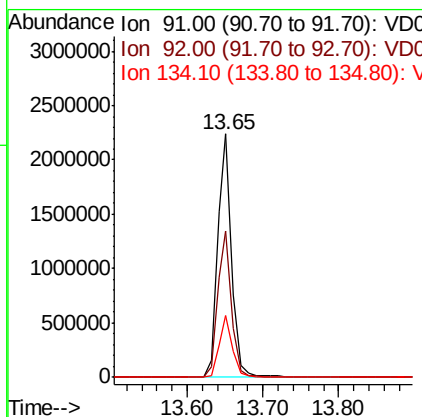
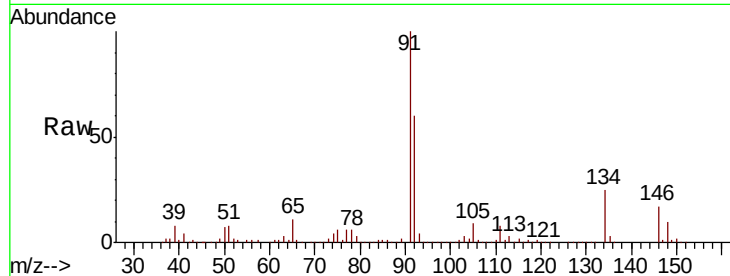




#89
n-Butylbenzene
Concen: 57.374 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

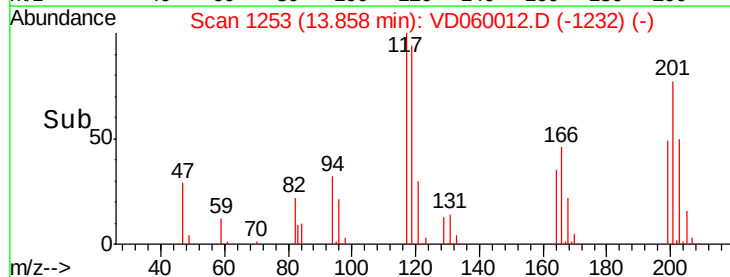
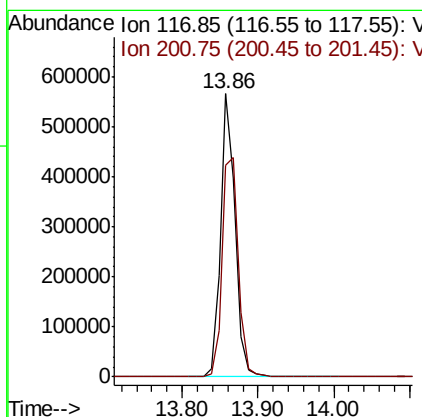
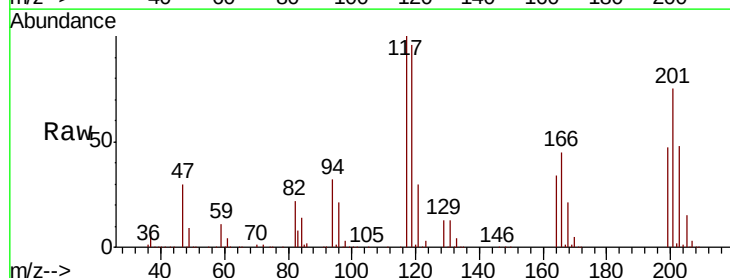
Instrument :
MSVOA_D
ClientSampled :

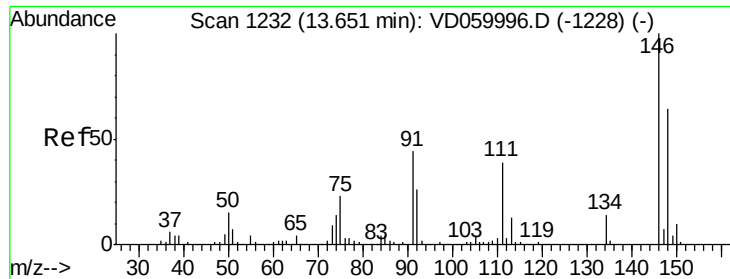
Tot Ion: 91 Resp: 2892045
Ion Ratio Lower Upper
91 100
92 60.2 29.8 89.3
134 25.5 13.2 39.6



#90
Hexachloroethane
Concen: 55.931 ug/l
RT: 13.86 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion: 117 Resp: 765788
Ion Ratio Lower Upper
117 100
201 74.7 42.1 126.4

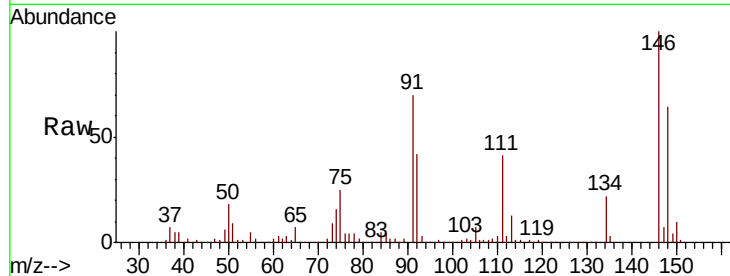




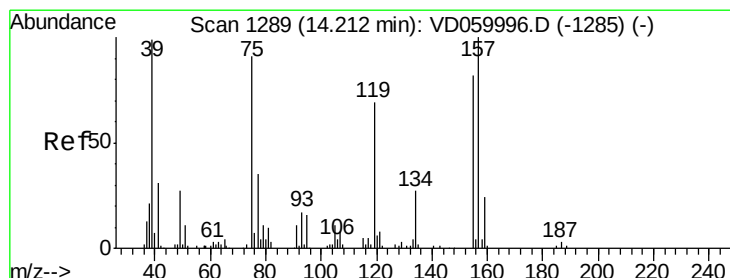
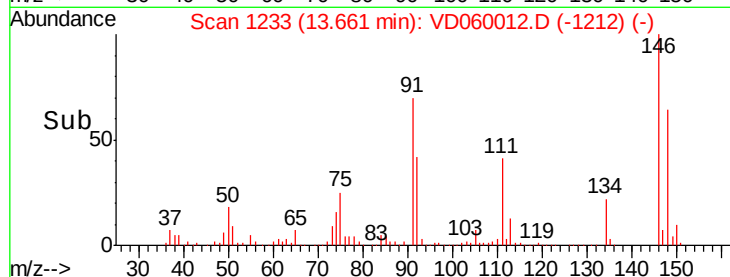
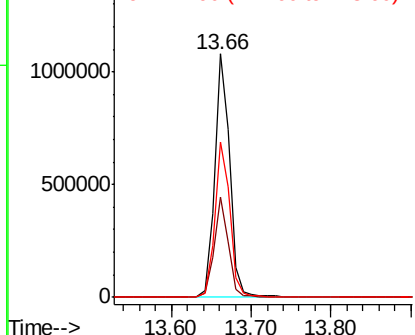
#91
 1,2-Dichlorobenzene
 Concen: 55.618 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:146 Resp: 1432083
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.6 58.7
 148 64.0 31.9 95.7

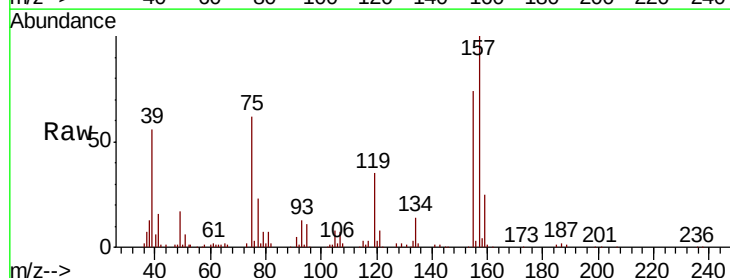


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

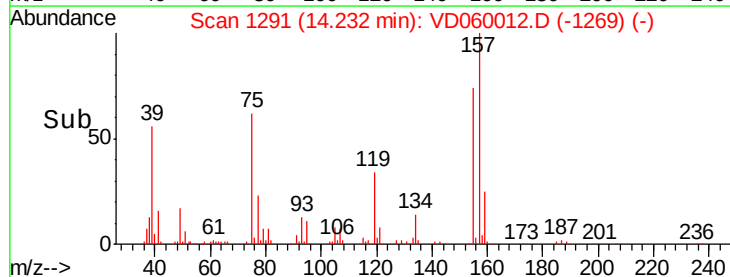
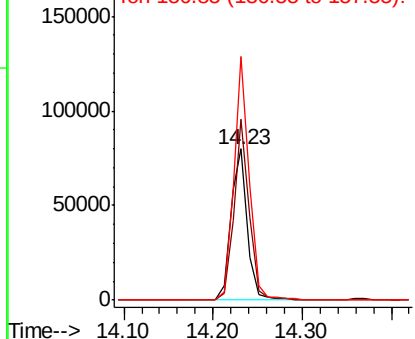


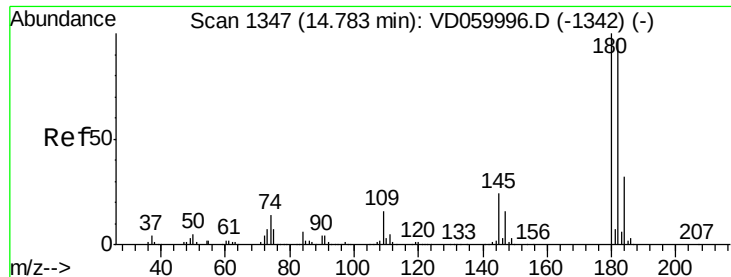
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.268 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion: 75 Resp: 105998
 Ion Ratio Lower Upper
 75 100
 155 120.1 44.7 134.1
 157 161.3 54.7 164.1



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

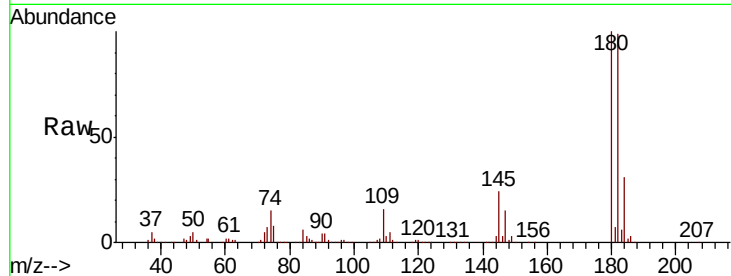




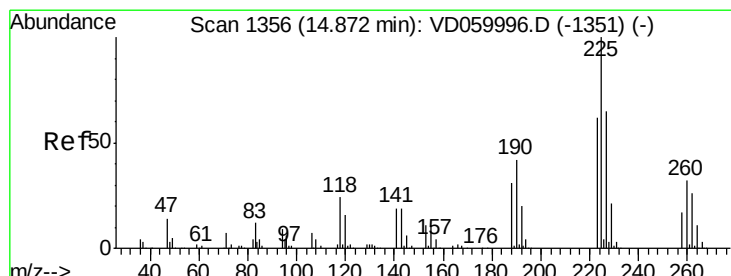
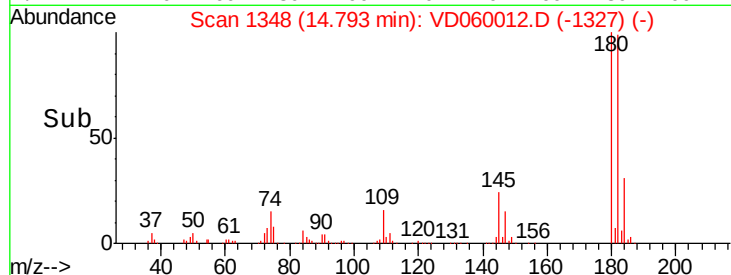
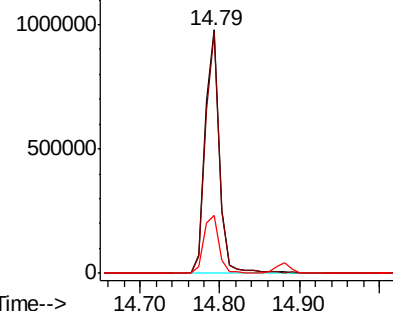
#93
 1,2,4-Trichlorobenzene
 Concen: 54.012 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 1250202
 Ion Ratio Lower Upper
 180 100
 182 98.8 48.5 145.6
 145 24.0 11.9 35.7

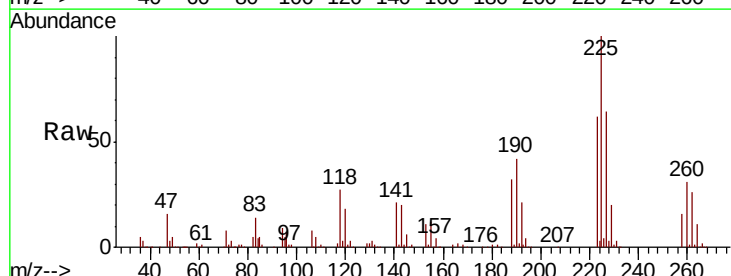


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

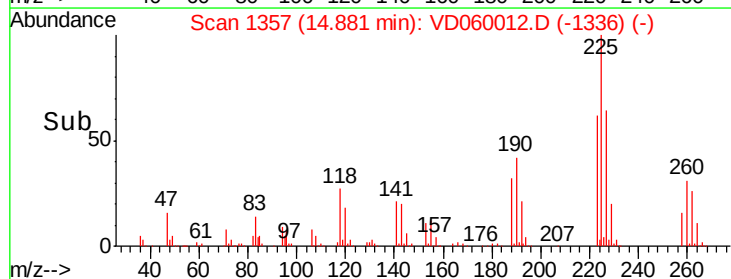
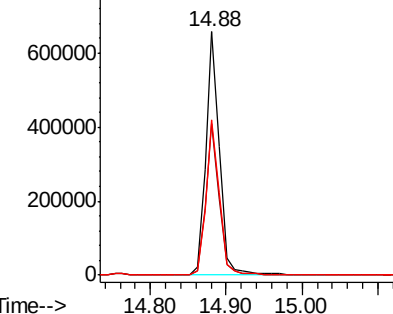


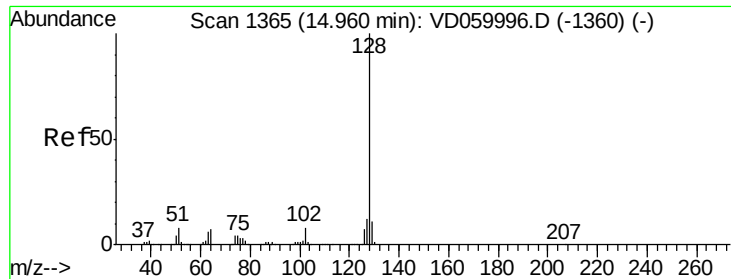
#94
 Hexachlorobutadiene
 Concen: 54.686 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060012.D
 Acq: 17 Sep 2018 10:31

Tgt Ion:225 Resp: 837316
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 63.8 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

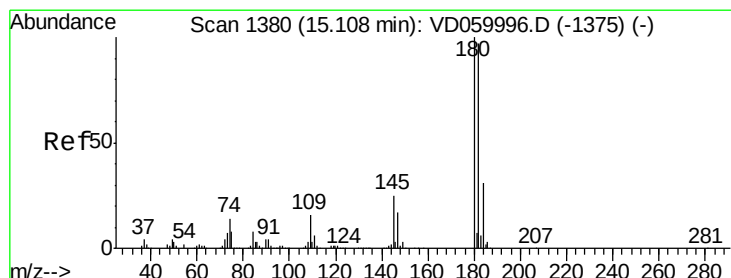
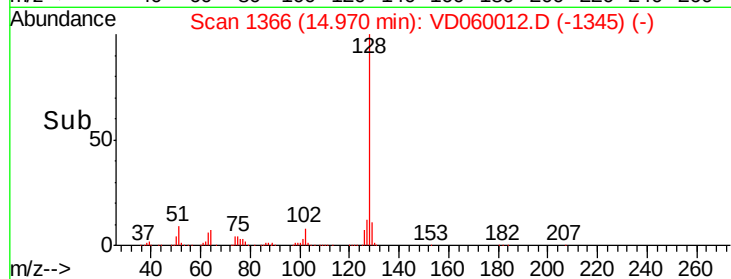
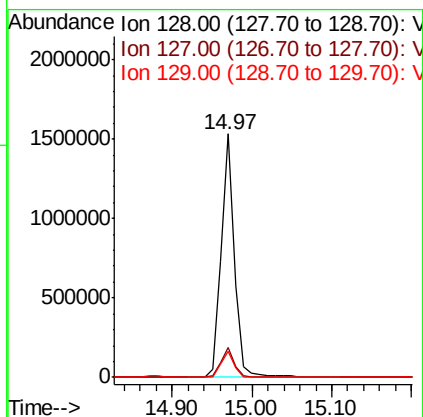
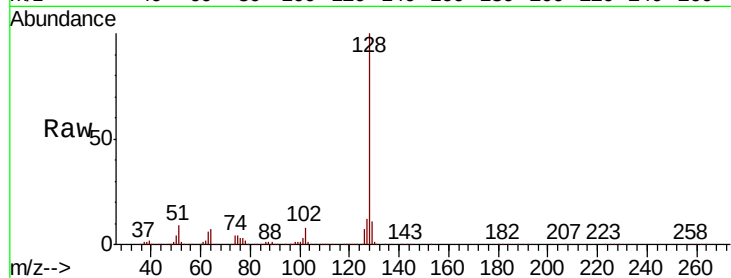




#95
Naphthalene
Concen: 50.510 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:128 Resp: 1805572
Ion Ratio Lower Upper
128 100
127 12.4 9.7 14.5
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 51.950 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060012.D
Acq: 17 Sep 2018 10:31

Tgt Ion:180 Resp: 1059681
Ion Ratio Lower Upper
180 100
182 96.6 48.6 145.9
145 26.6 12.7 38.1

