

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091918\
 Data File : VD060039.D
 Acq On : 19 Sep 2018 12:31
 Operator : JC/SY
 Sample : VD0919SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 20 05:43:02 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	1484833	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	7.44	114	2061551	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1697695	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	912585	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	587032	50.70	ug/l	0.02
Spiked Amount			Recovery	=	101.40%	
35) Dibromofluoromethane	6.32	113	800152	49.68	ug/l	0.02
Spiked Amount			Recovery	=	99.36%	
50) Toluene-d8	9.46	98	2265398	50.75	ug/l	0.02
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.43	95	845483	49.58	ug/l	0.02
Spiked Amount			Recovery	=	99.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	288145	18.38	ug/l	100
3) Chloromethane	1.74	50	298779	21.58	ug/l	100
4) Vinyl Chloride	1.84	62	233997	21.02	ug/l	99
5) Bromomethane	2.13	94	20675	15.69	ug/l	94
6) Chloroethane	2.23	64	61939	24.89	ug/l	96
7) Trichlorofluoromethane	2.49	101	279207	22.79	ug/l	99
8) Diethyl Ether	2.81	74	51666	19.84	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.08	101	173568	22.46	ug/l	98
10) Methyl Iodide	3.24	142	182179	22.26	ug/l	94
11) Tert butyl alcohol	3.97	59	72648	77.75	ug/l	98
12) 1,1-Dichloroethene	3.06	96	141334	23.13	ug/l	93
13) Acrolein	2.97	56	51395	88.83	ug/l	98
14) Allyl chloride	3.52	41	280865	21.80	ug/l	97
15) Acrylonitrile	4.07	53	334786	94.93	ug/l	99
16) Acetone	3.15	43	259248	115.96	ug/l	96
17) Carbon Disulfide	3.31	76	439067	20.86	ug/l	100
18) Methyl Acetate	3.54	43	92286	20.30	ug/l	96
19) Methyl tert-butyl Ether	4.11	73	547917	19.41	ug/l	100
20) Methylene Chloride	3.71	84	381843	19.63	ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	325767	20.32	ug/l	97
22) Diisopropyl ether	4.85	45	1211886	20.62	ug/l	100
23) Vinyl Acetate	4.80	43	3392959	101.90	ug/l	100
24) 1,1-Dichloroethane	4.75	63	553975	21.00	ug/l	99
25) 2-Butanone	5.62	43	682218	113.09	ug/l	99
26) 2,2-Dichloropropane	5.58	77	442108	21.56	ug/l	100
27) cis-1,2-Dichloroethene	5.59	96	350031	20.87	ug/l	98
28) Bromochloromethane	5.92	49	271600	21.42	ug/l	100
29) Tetrahydrofuran	5.95	42	296011	91.49	ug/l	100
30) Chloroform	6.10	83	565069	21.13	ug/l	99
31) Cyclohexane	6.37	56	507885	19.75	ug/l	97
32) 1,1,1-Trichloroethane	6.29	97	455649	20.54	ug/l	99
36) 1,1-Dichloropropene	6.52	75	418978	20.46	ug/l	98
37) Ethyl Acetate	5.70	43	255306	18.13	ug/l	98
38) Carbon Tetrachloride	6.49	117	382717	20.02	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	468310	20.22	ug/l	98
40) Benzene	6.79	78	1109530	21.26	ug/l	98
41) Methacrylonitrile	5.95	41	300950	40.80	ug/l #	79
42) 1,2-Dichloroethane	6.89	62	302551	19.31	ug/l	98
43) Isopropyl Acetate	8.35	43	331439	17.58	ug/l #	100
44) Trichloroethene	7.74	130	327624	20.32	ug/l	96
45) 1,2-Dichloropropane	8.11	63	285786	20.48	ug/l	99
46) Dibromomethane	8.22	93	176802	19.42	ug/l	95
47) Bromodichloromethane	8.49	83	395419	20.14	ug/l	100
48) Methyl methacrylate	8.25	41	196096	18.67	ug/l	97
49) 1,4-Dioxane	8.24	88	35616	341.47	ug/l	91
51) 4-Methyl-2-Pentanone	9.35	43	1375292	98.69	ug/l	100
52) Toluene	9.56	92	694727	20.77	ug/l	100
53) t-1,3-Dichloropropene	9.92	75	352442	19.25	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	436434	19.95	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	225898	19.45	ug/l	96
56) Ethyl methacrylate	10.04	69	244809	19.00	ug/l	96
57) 1,3-Dichloropropane	10.39	76	341817	19.94	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.93	63	646009	103.83	ug/l	98
59) 2-Hexanone	10.49	43	1016638	101.49	ug/l	97
60) Dibromochloromethane	10.65	129	270938	19.16	ug/l	99
61) 1,2-Dibromoethane	10.77	107	226581	18.89	ug/l	97
64) Tetrachloroethene	10.25	164	300907	20.09	ug/l	98
65) Chlorobenzene	11.32	112	759920	20.82	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.42	131	265109	21.53	ug/l	97
67) Ethyl Benzene	11.43	91	1329031	22.63	ug/l	98
68) m/p-Xylenes	11.57	106	991869	45.72	ug/l	97
69) o-Xylene	11.94	106	459115	21.36	ug/l	98
70) Styrene	11.96	104	787879	21.80	ug/l	96
71) Bromoform	12.12	173	193132	18.26	ug/l	98
73) Isopropylbenzene	12.28	105	1233252	20.61	ug/l	99
74) N-amyl acetate	12.13	43	445795	18.80	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	264641	19.49	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	265794	19.07	ug/l	99
77) Bromobenzene	12.55	156	355580	20.62	ug/l	94
78) n-propylbenzene	12.65	91	1600000	21.26	ug/l	99
79) 2-Chlorotoluene	12.70	91	877931	20.67	ug/l	94
80) 1,3,5-Trimethylbenzene	12.79	105	1012752	22.08	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	74539	17.72	ug/l	98
82) 4-Chlorotoluene	12.81	91	1019895	21.84	ug/l	96
83) tert-Butylbenzene	13.05	119	1135108	21.36	ug/l	94
84) 1,2,4-Trimethylbenzene	13.10	105	1022892	20.89	ug/l	98
85) sec-Butylbenzene	13.23	105	1332832	21.13	ug/l	96
86) p-Isopropyltoluene	13.34	119	1082253	21.21	ug/l	97
87) 1,3-Dichlorobenzene	13.31	146	642404	21.43	ug/l	97
88) 1,4-Dichlorobenzene	13.39	146	642677	21.13	ug/l	98
89) n-Butylbenzene	13.65	91	1106644	19.99	ug/l	97
90) Hexachloroethane	13.87	117	248776	19.69	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	547881	19.65	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	35431	17.12	ug/l	92

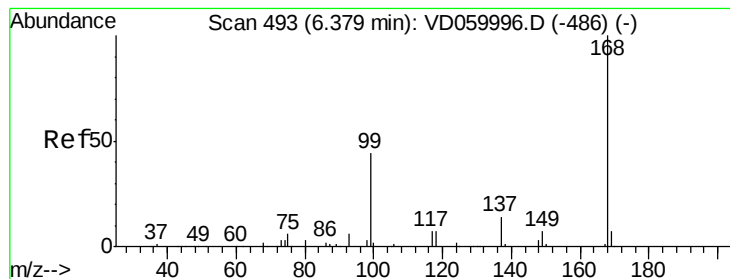
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091918\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	433932	20.31	ug/l	98
94) Hexachlorobutadiene	14.88	225	293828	20.79	ug/l	99
95) Naphthalene	14.97	128	615741	18.66	ug/l	98
96) 1,2,3-Trichlorobenzene	15.12	180	362283	19.24	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

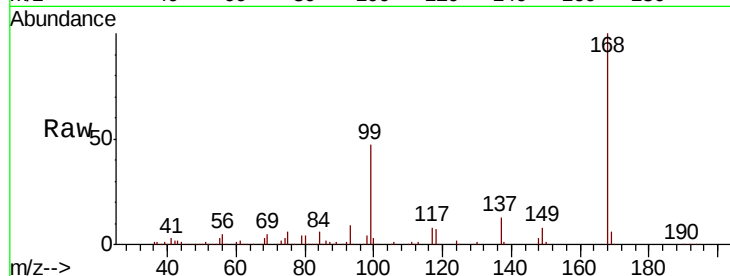
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1484833

Ion Ratio Lower Upper

168 100

99 46.7 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

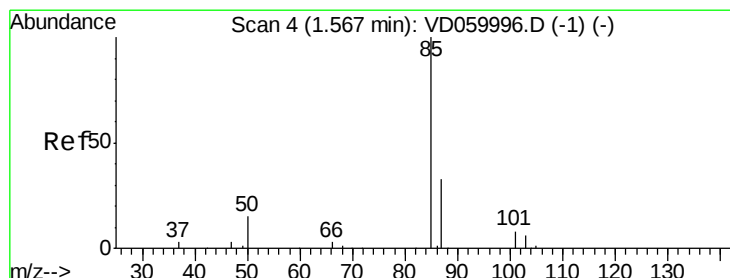
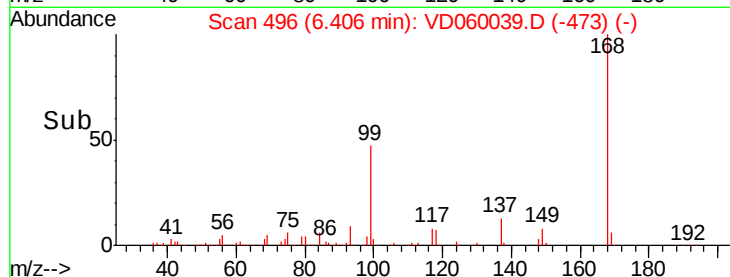
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.38 ug/l

RT: 1.57 min Scan# 5

Delta R.T. 0.01 min

Lab File: VD060039.D

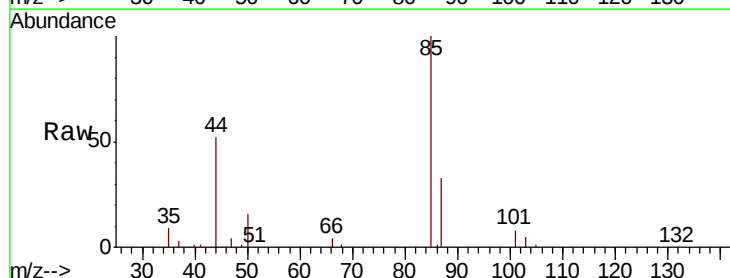
Acq: 19 Sep 2018 12:31

Tgt Ion: 85 Resp: 288145

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.57

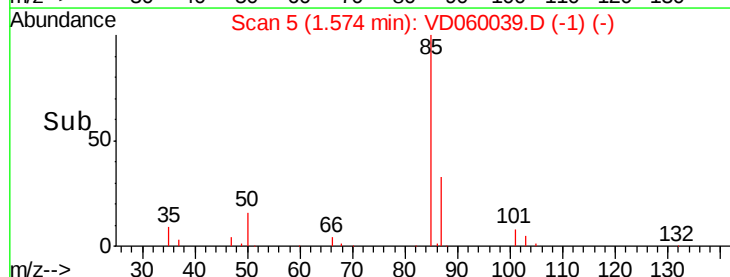
150000

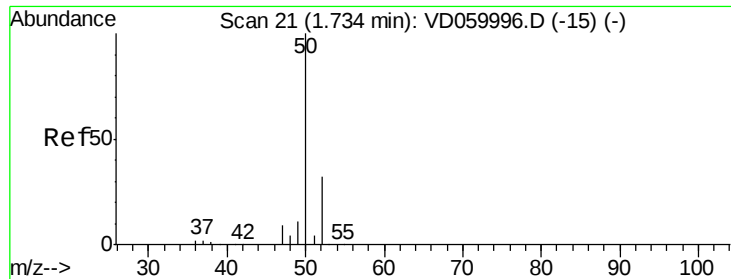
100000

50000

0

Time-->





#3

Chloromethane

Concen: 21.58 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

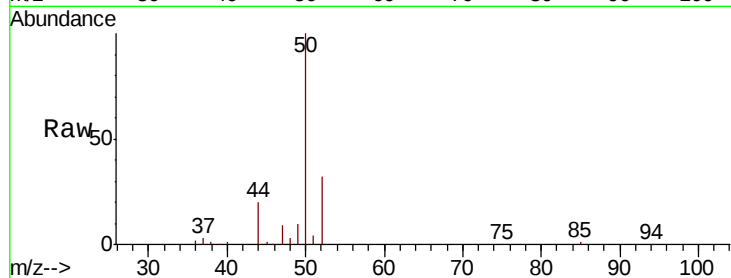
ClientSampled :

Tot Ion: 50 Resp: 298779

Ion Ratio Lower Upper

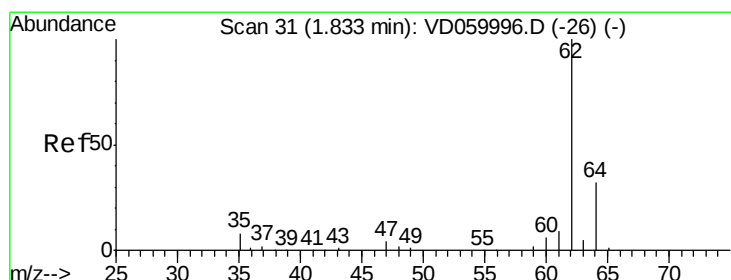
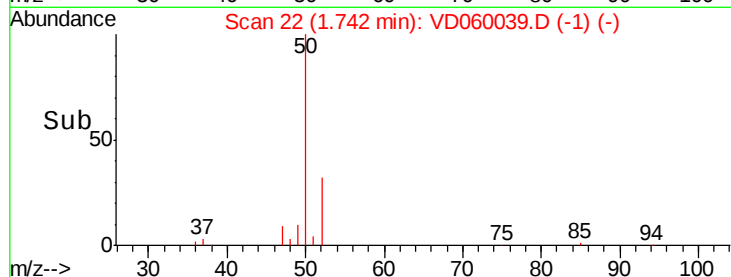
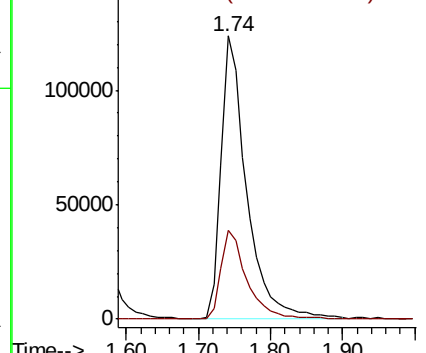
50 100

52 31.6 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: 21.02 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD060039.D

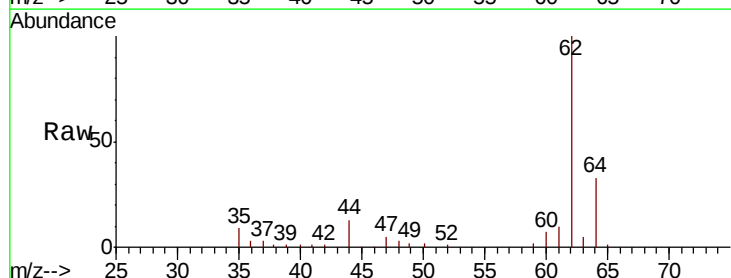
Acq: 19 Sep 2018 12:31

Tgt Ion: 62 Resp: 233997

Ion Ratio Lower Upper

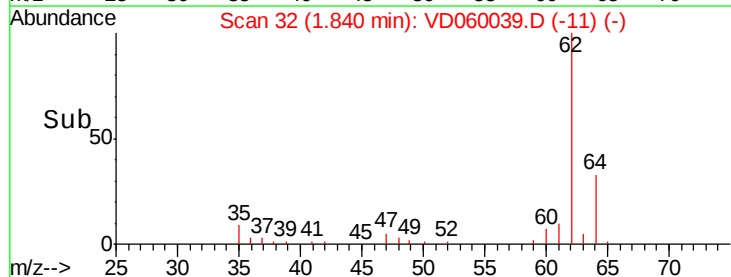
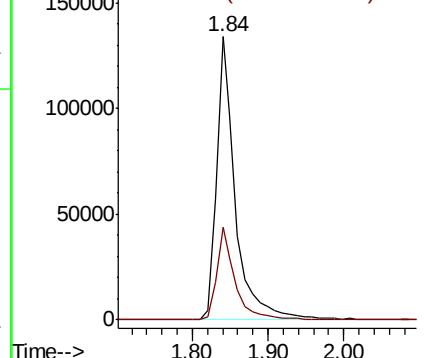
62 100

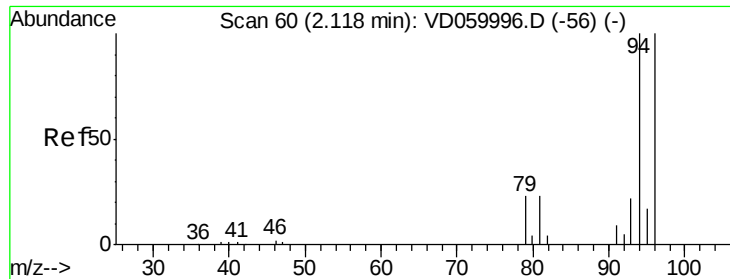
64 32.5 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.69 ug/l

RT: 2.13 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

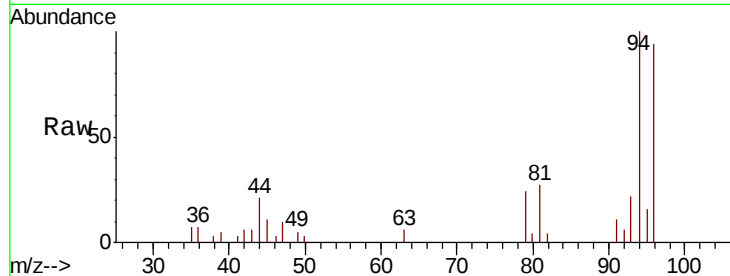
ClientSampleId :

Tot Ion: 94 Resp: 20675

Ion Ratio Lower Upper

94 100

96 93.5 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

15000

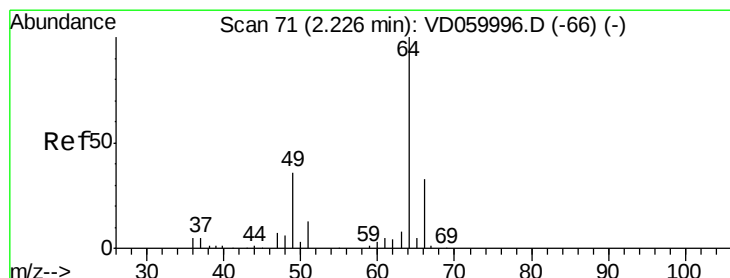
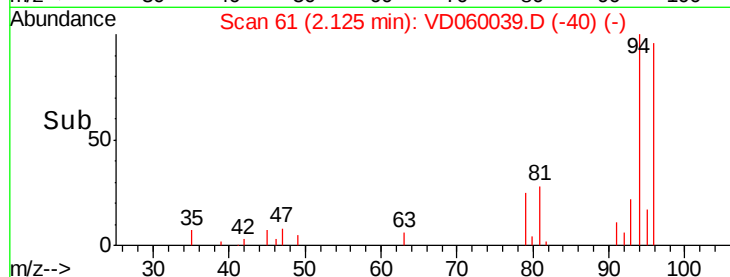
10000

5000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 24.89 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD060039.D

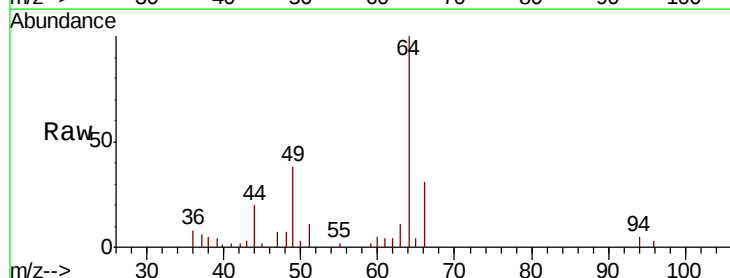
Acq: 19 Sep 2018 12:31

Tgt Ion: 64 Resp: 61939

Ion Ratio Lower Upper

64 100

66 30.9 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

30000

25000

20000

15000

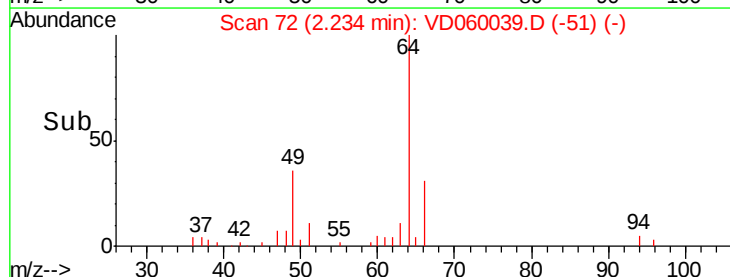
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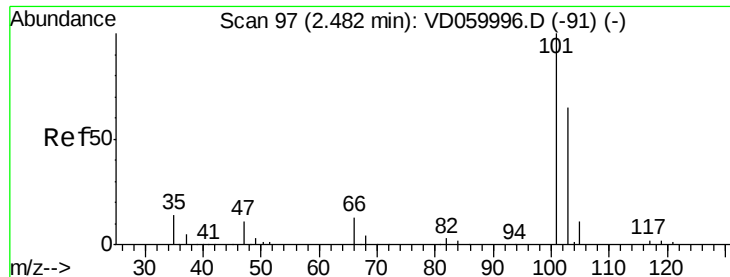
5000

0

Time-->

2.10 2.20 2.30 2.40





#7

Trichlorofluoromethane

Concen: 22.79 ug/l

RT: 2.49 min Scan# 98

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

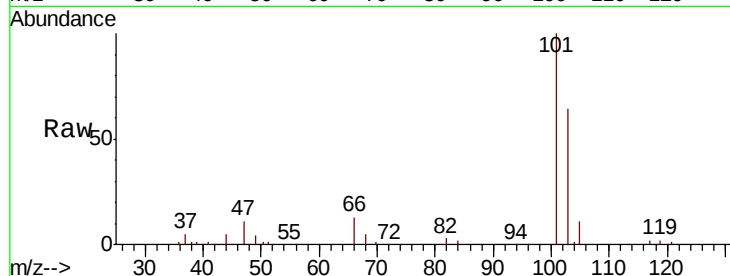
ClientSampleId :

Tot Ion:101 Resp: 279207

Ion Ratio Lower Upper

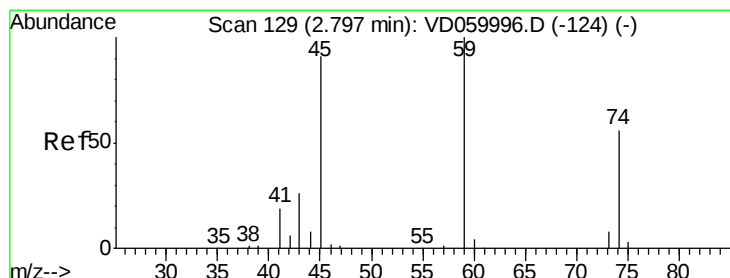
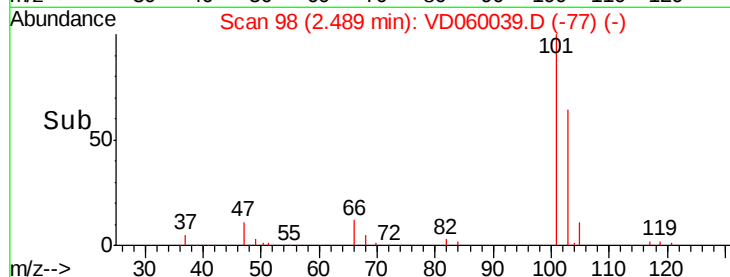
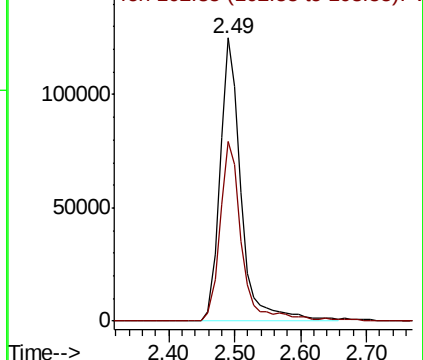
101 100

103 63.6 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: 19.84 ug/l

RT: 2.81 min Scan# 131

Delta R.T. 0.02 min

Lab File: VD060039.D

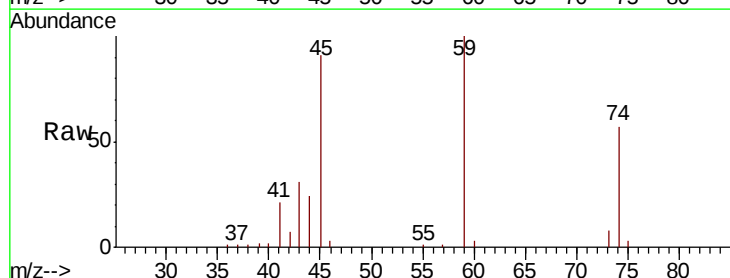
Acq: 19 Sep 2018 12:31

Tgt Ion: 74 Resp: 51666

Ion Ratio Lower Upper

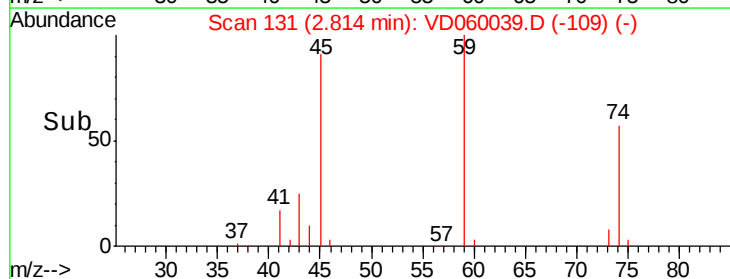
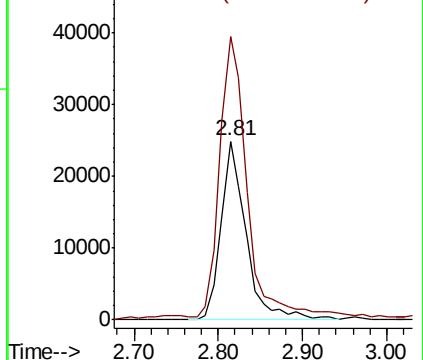
74 100

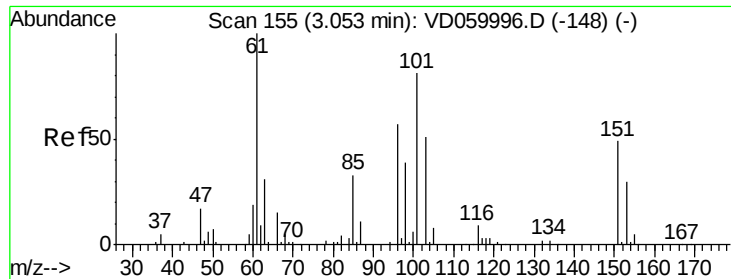
45 158.6 81.2 243.4



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: 22.46 ug/l

RT: 3.08 min Scan# 158

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampled :

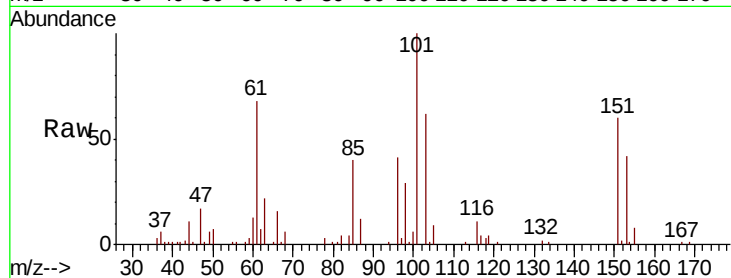
Tot Ion:101 Resp: 173568

Ion Ratio Lower Upper

101 100

85 39.5 33.1 49.7

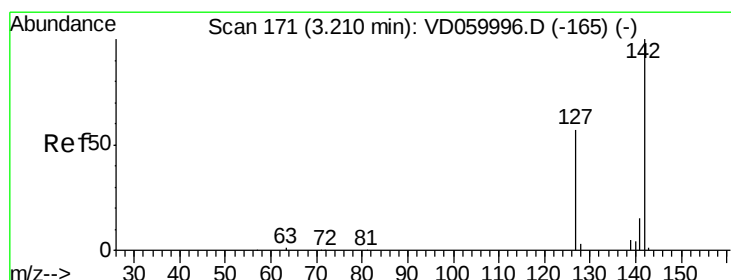
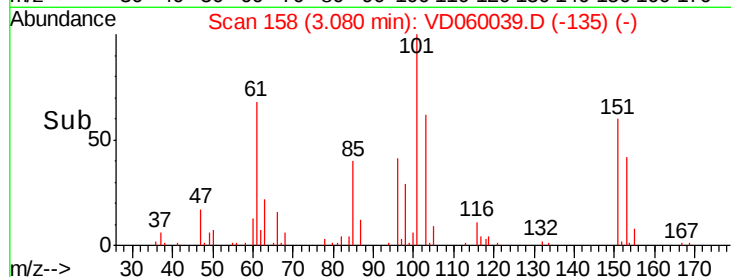
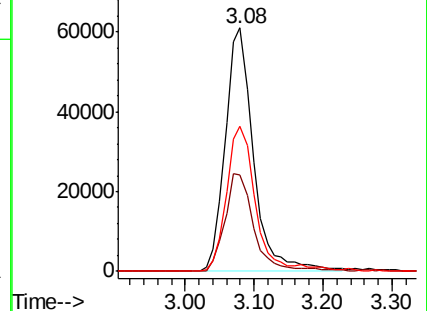
151 59.8 48.2 72.4



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: 22.26 ug/l

RT: 3.24 min Scan# 174

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

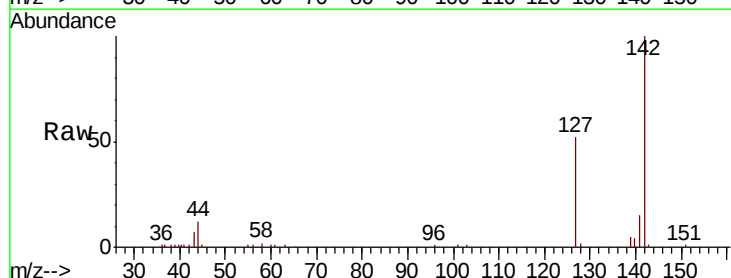
Tgt Ion:142 Resp: 182179

Ion Ratio Lower Upper

142 100

127 51.8 45.8 68.8

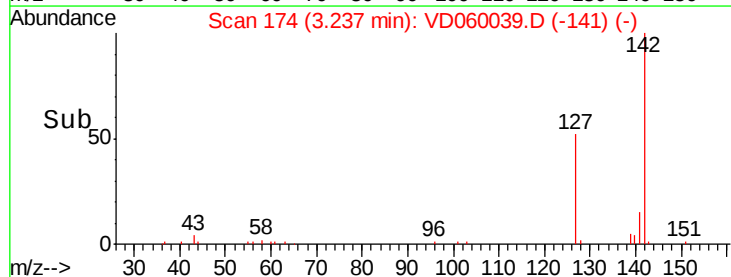
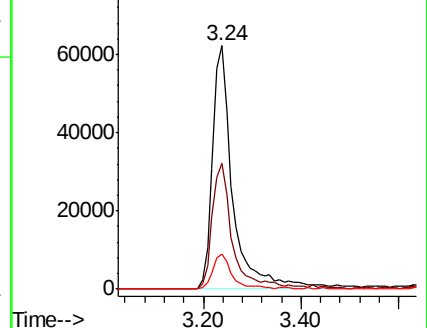
141 14.6 12.2 18.4

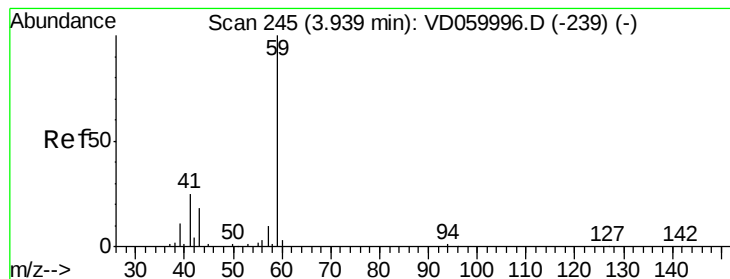


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 77.75 ug/l

RT: 3.97 min Scan# 248

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

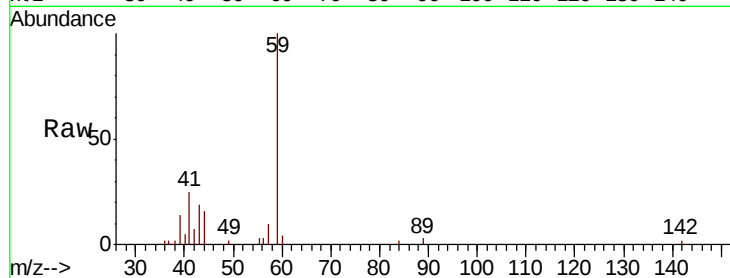
ClientSampleId :

Tot Ion: 59 Resp: 72648

Ion Ratio Lower Upper

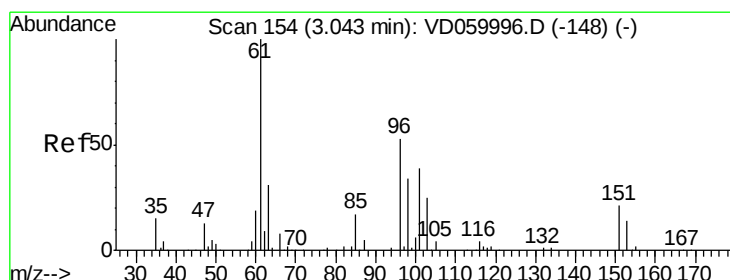
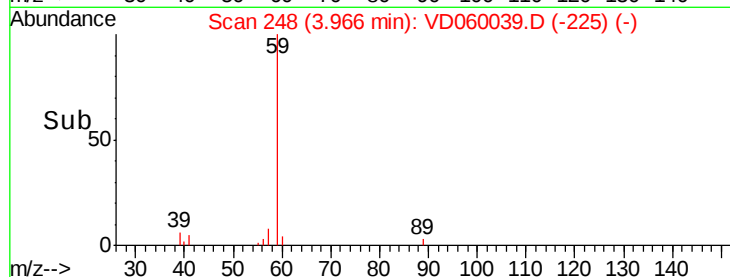
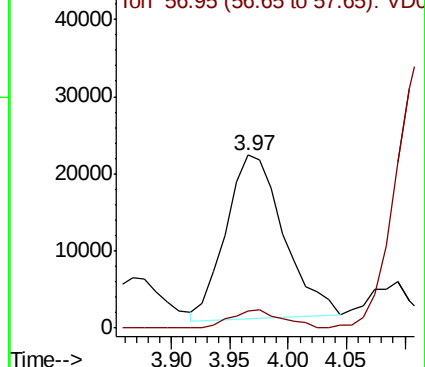
59 100

57 9.9 7.4 11.2



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 23.13 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

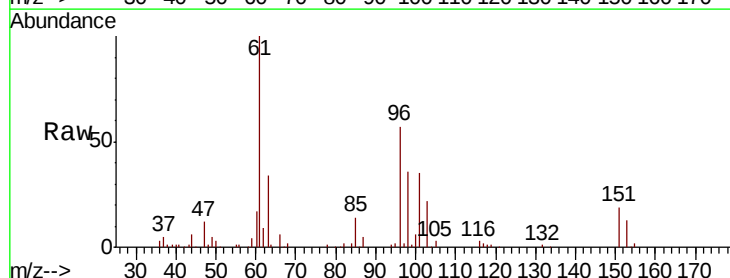
Tgt Ion: 96 Resp: 141334

Ion Ratio Lower Upper

96 100

61 174.4 149.8 224.6

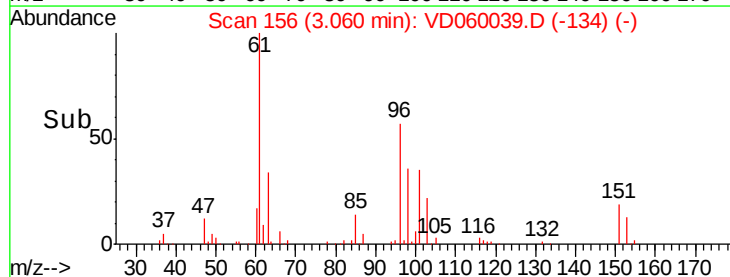
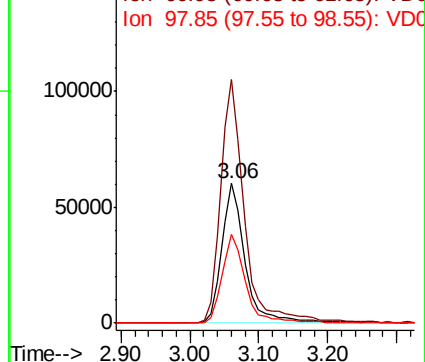
98 63.6 50.2 75.4

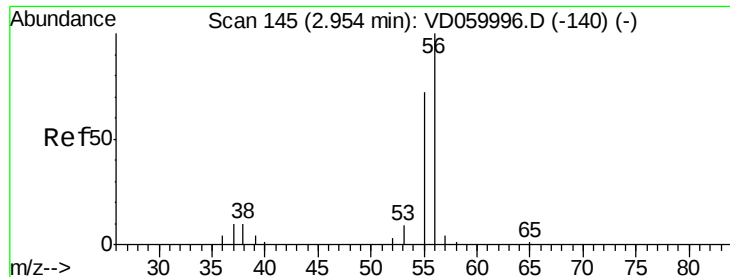


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

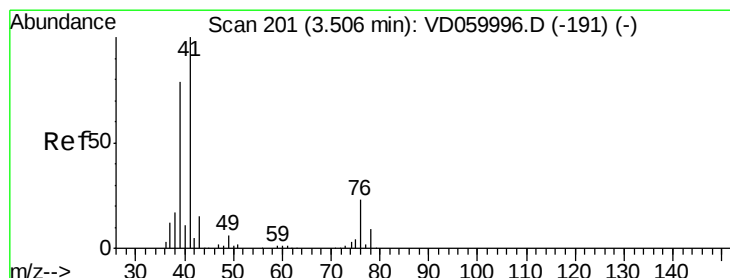
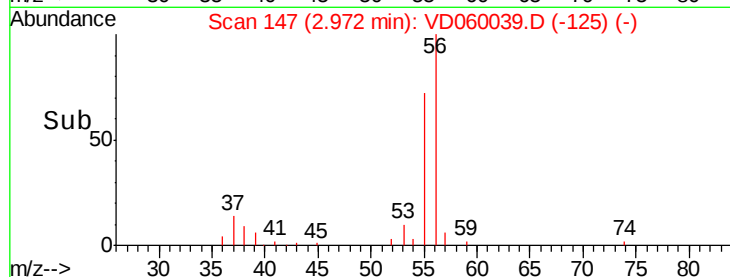
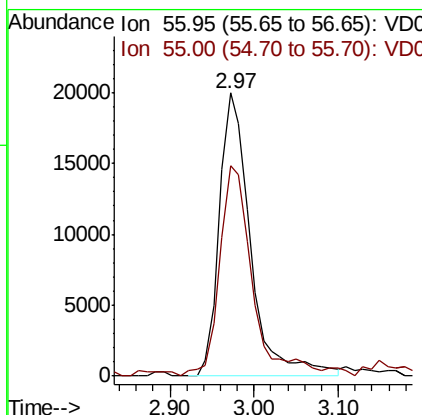
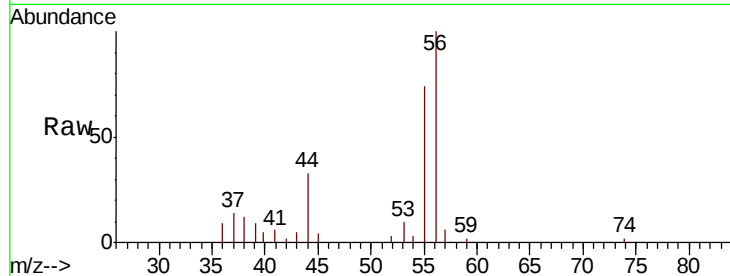




#13
 Acrolein
 Concen: 88.83 ug/l
 RT: 2.97 min Scan# 147
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

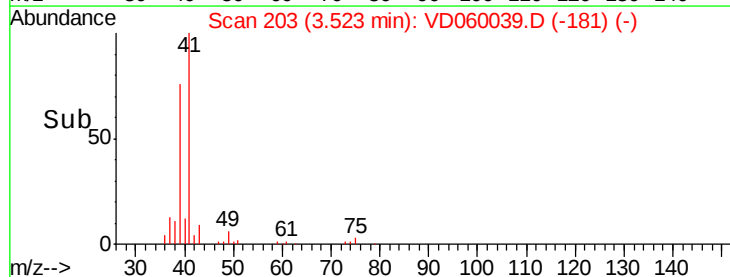
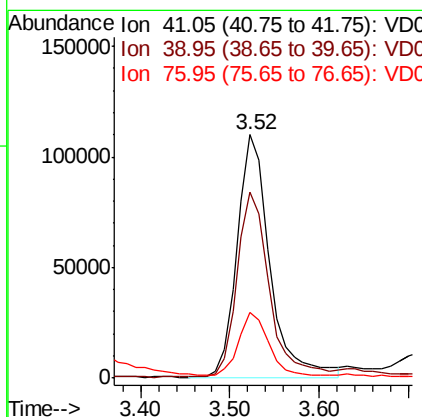
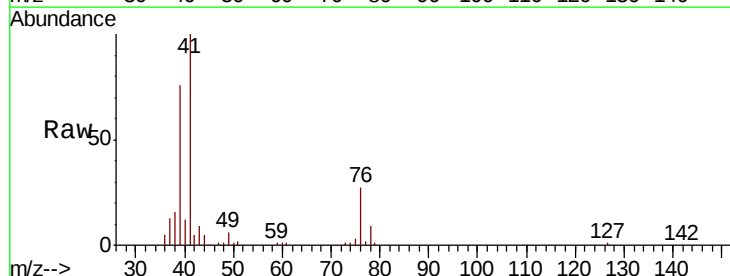
Instrument :
 MSVOA_D
 ClientSampled :

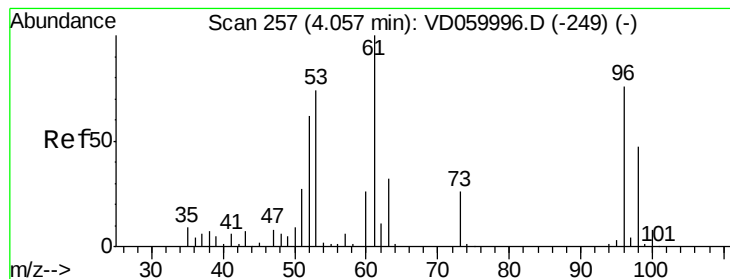
Tot Ion: 56 Resp: 51395
 Ion Ratio Lower Upper
 56 100
 55 74.3 58.3 87.5



#14
 Allyl chloride
 Concen: 21.80 ug/l
 RT: 3.52 min Scan# 203
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 41 Resp: 280865
 Ion Ratio Lower Upper
 41 100
 39 76.5 63.6 95.4
 76 27.0 21.1 31.7





#15

Acrylonitrile

Concen: 94.93 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampled :

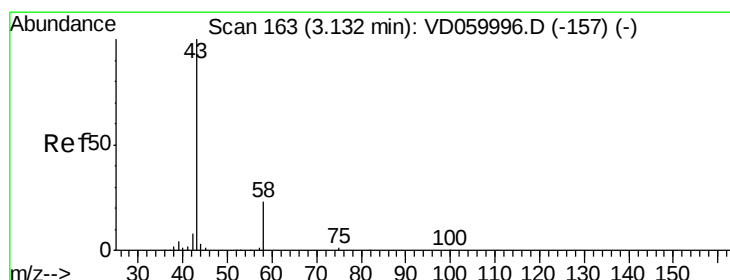
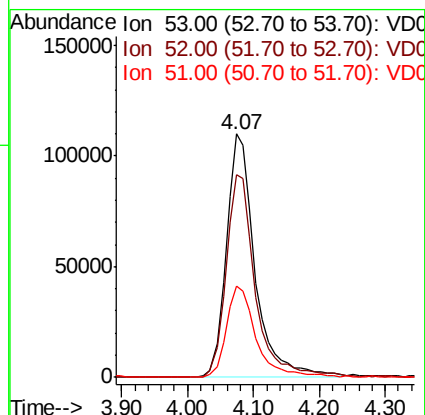
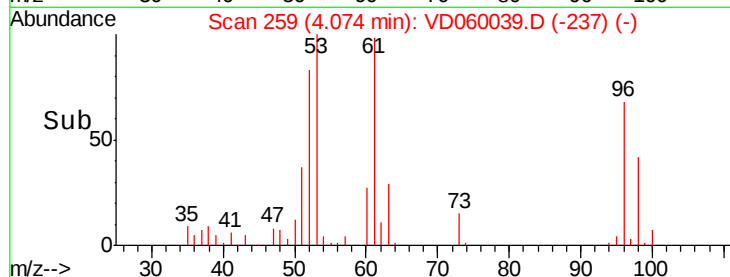
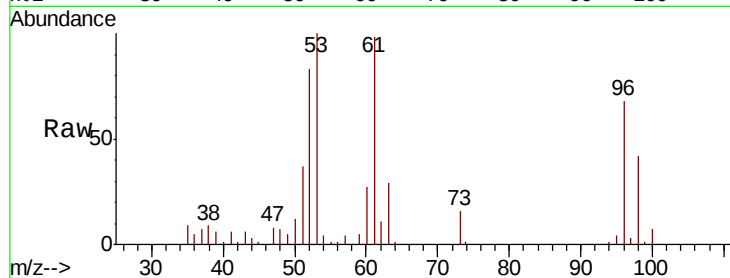
Tot Ion: 53 Resp: 334786

Ion Ratio Lower Upper

53 100

52 83.3 66.7 100.1

51 37.5 29.0 43.6



#16

Acetone

Concen: 115.96 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.02 min

Lab File: VD060039.D

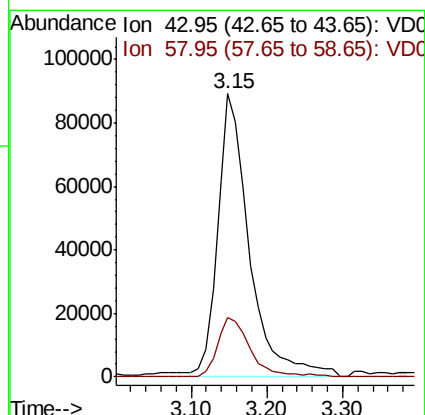
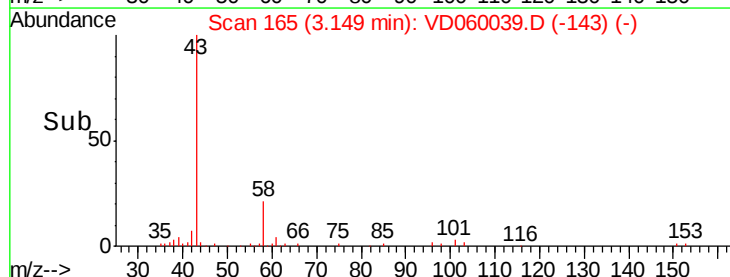
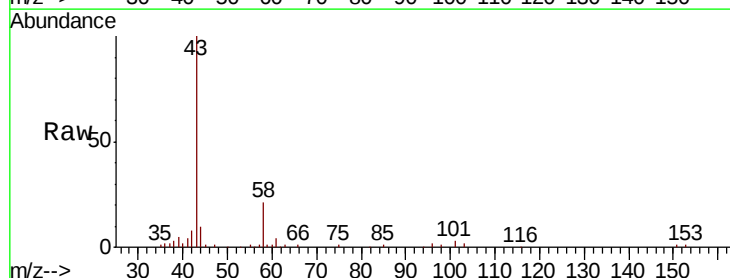
Acq: 19 Sep 2018 12:31

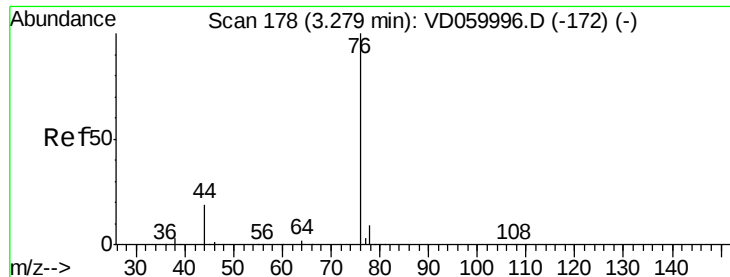
Tgt Ion: 43 Resp: 259248

Ion Ratio Lower Upper

43 100

58 20.8 18.1 27.1

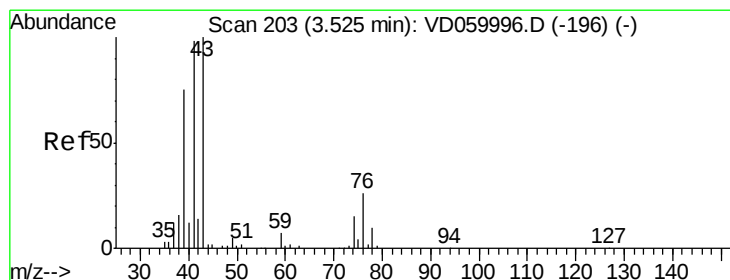
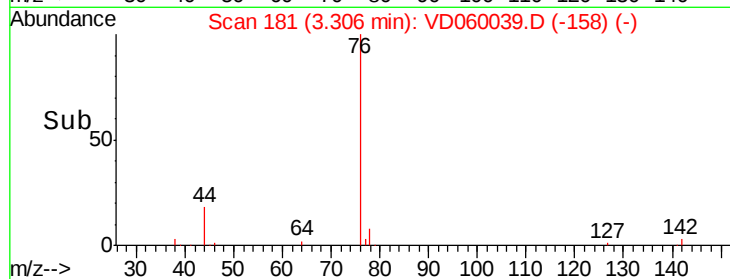
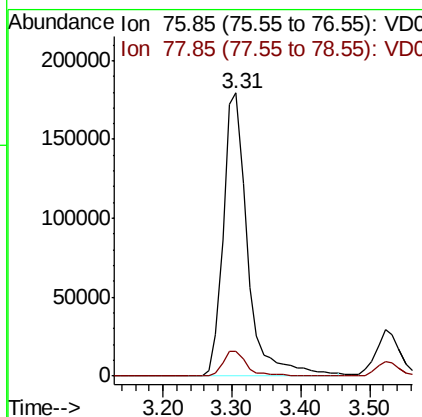
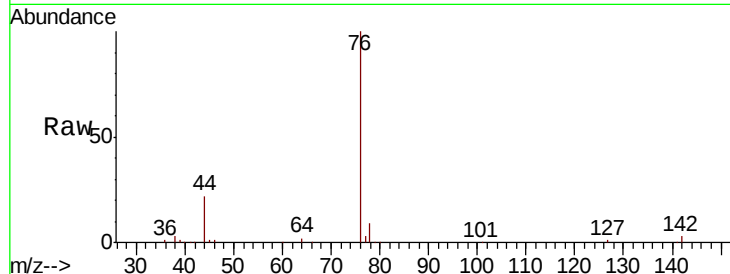




#17
Carbon Disulfide
Concen: 20.86 ug/l
RT: 3.31 min Scan# 181
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

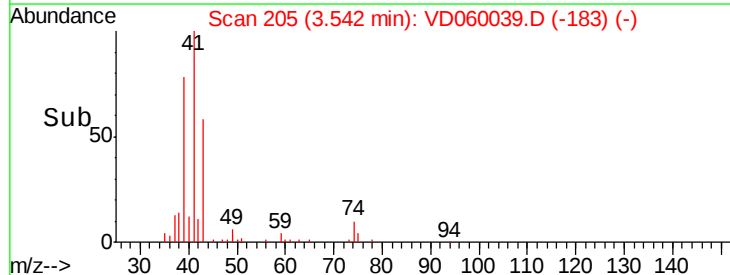
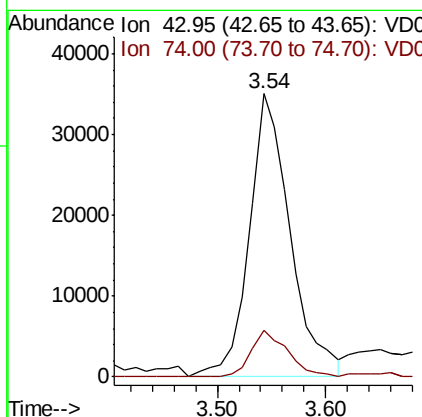
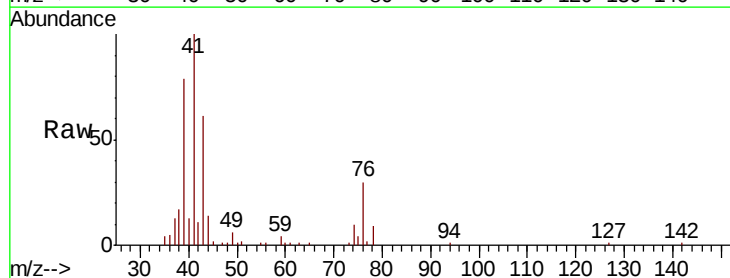
Instrument :
MSVOA_D
ClientSampleId :

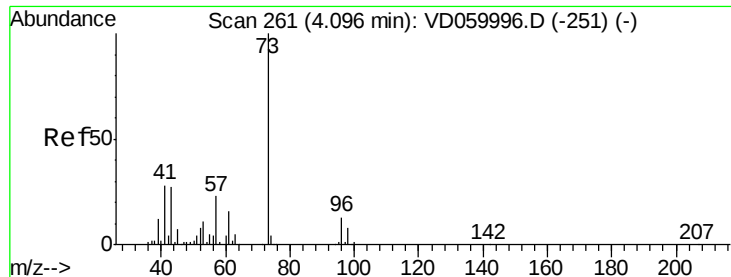
Tot Ion: 76 Resp: 439067
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.4



#18
Methyl Acetate
Concen: 20.30 ug/l
RT: 3.54 min Scan# 205
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 43 Resp: 92286
Ion Ratio Lower Upper
43 100
74 16.3 11.8 17.8

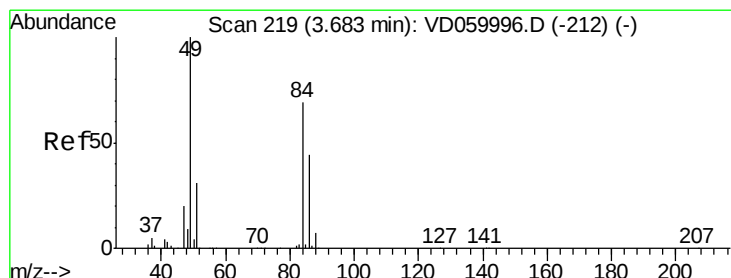
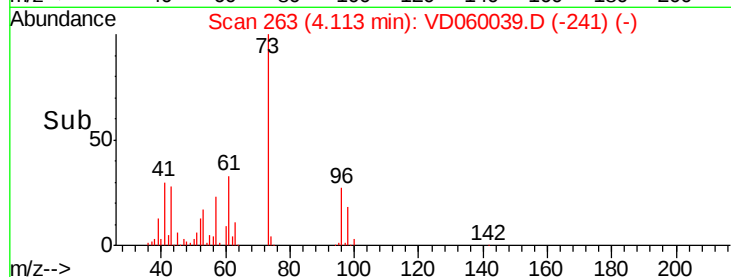
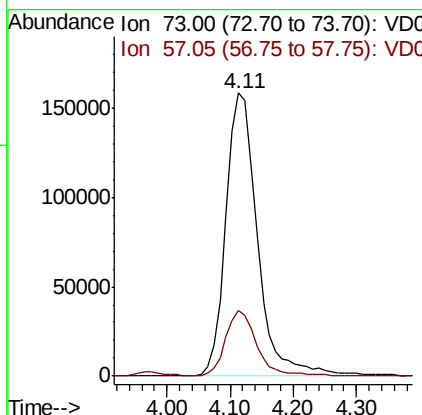
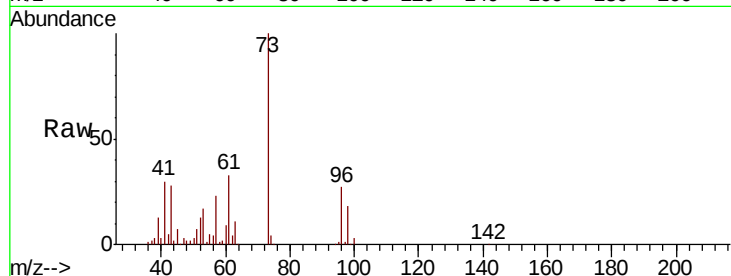




#19
Methvl tert-butvl Ether
Concen: 19.41 ug/l
RT: 4.11 min Scan# 263
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

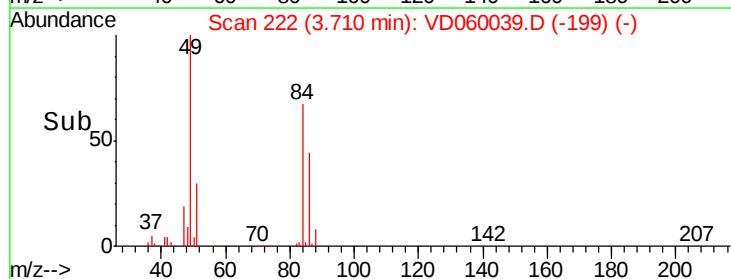
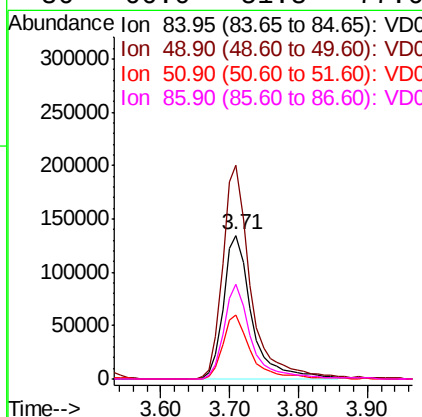
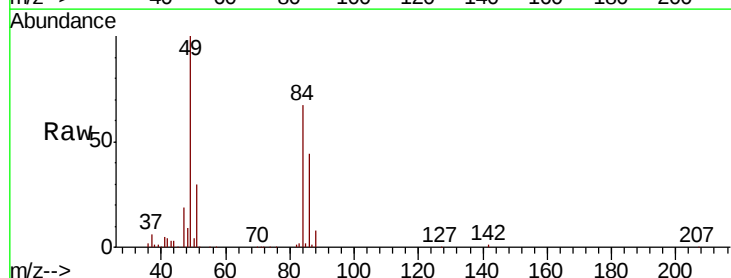
Instrument :
MSVOA_D
ClientSampleId :

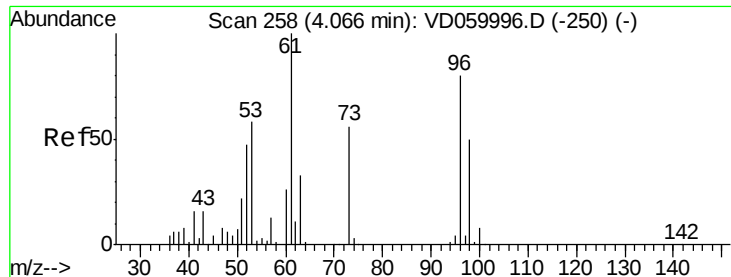
Tot Ion: 73 Resp: 547917
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6



#20
Methylene Chloride
Concen: 19.63 ug/l
RT: 3.71 min Scan# 222
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 84 Resp: 381843
Ion Ratio Lower Upper
84 100
49 148.8 116.6 175.0
51 44.8 35.9 53.9
86 66.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.32 ug/l

RT: 4.09 min Scan# 261

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

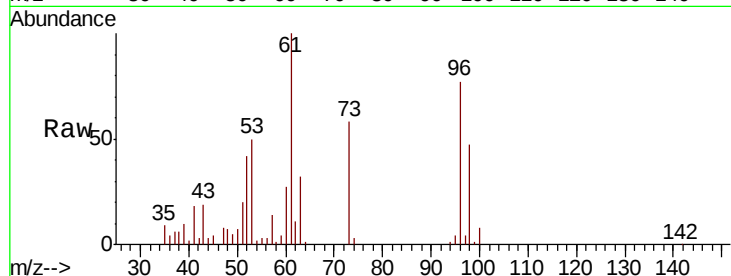
Tot Ion: 96 Resp: 325767

Ion Ratio Lower Upper

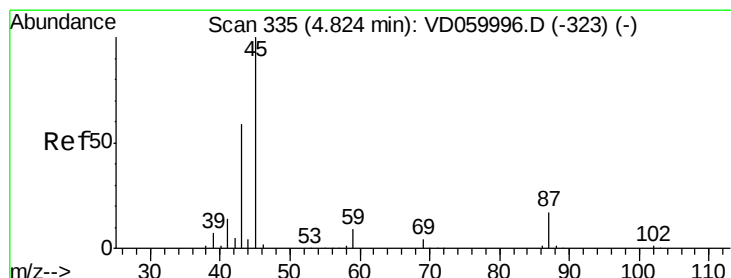
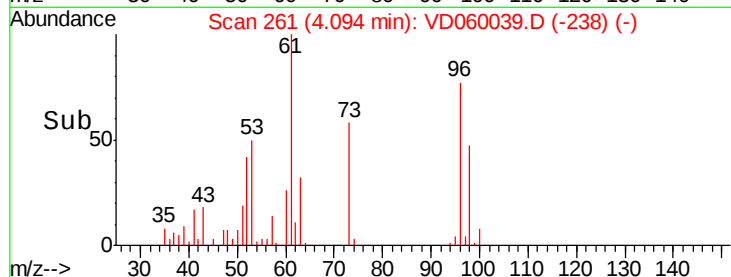
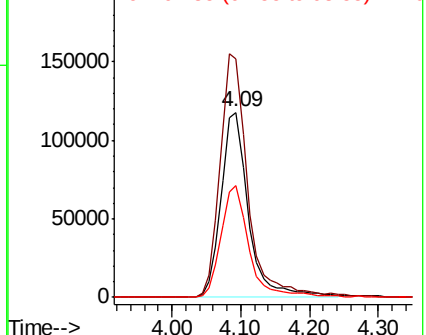
96 100

61 129.2 100.1 150.1

98 60.5 49.5 74.3



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



#22

Diisopropyl ether

Concen: 20.62 ug/l

RT: 4.85 min Scan# 338

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Tgt Ion: 45 Resp: 1211886

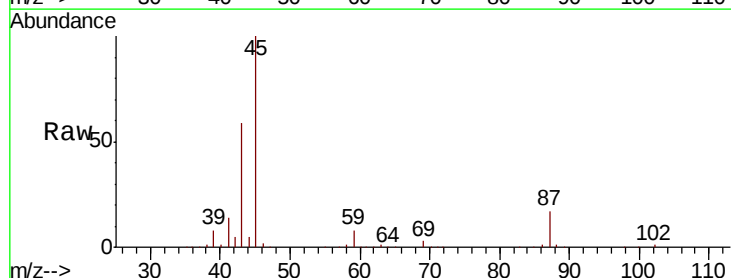
Ion Ratio Lower Upper

45 100

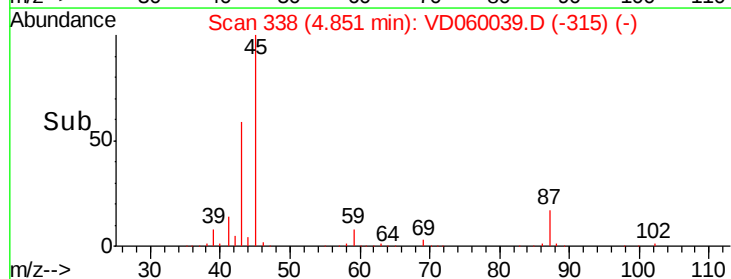
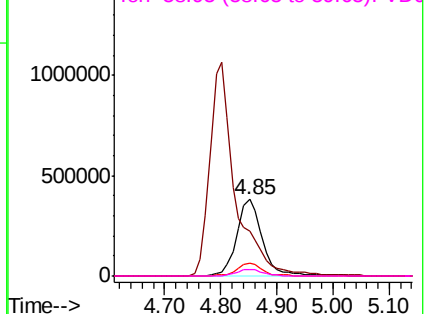
43 58.8 47.1 70.7

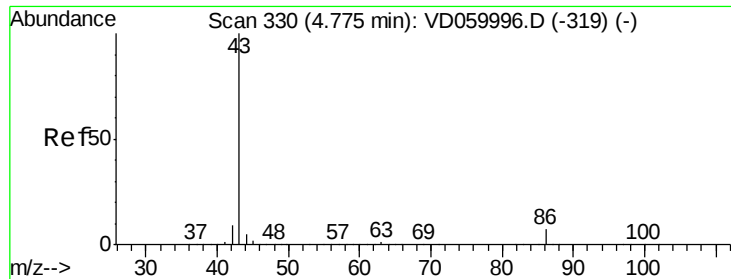
87 17.3 14.2 21.2

59 8.4 7.0 10.6



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

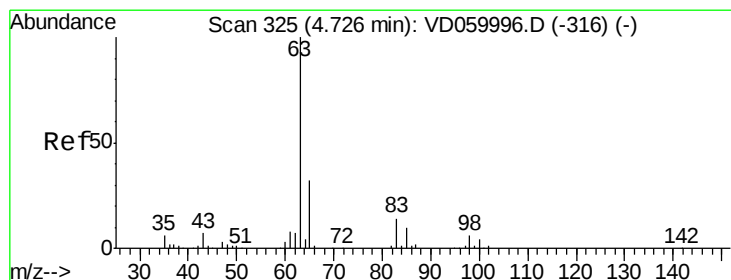
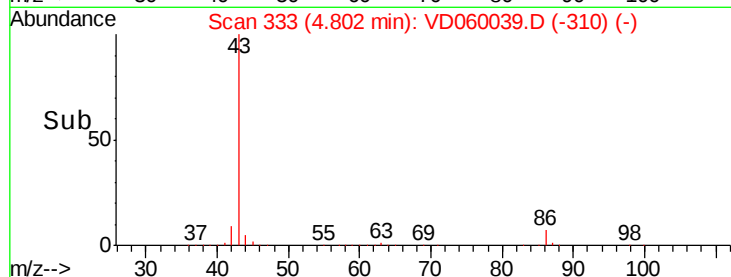
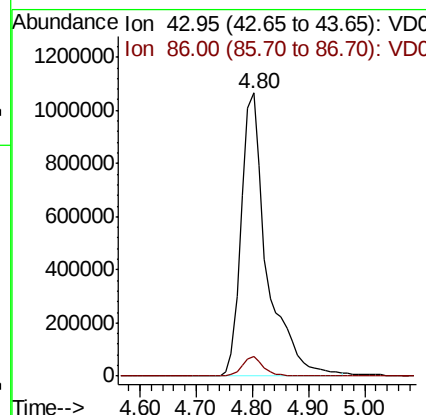
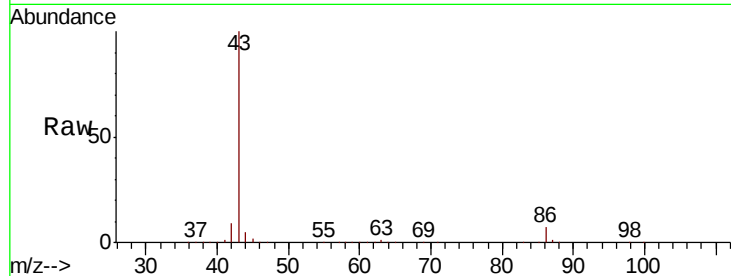




#23
 Vinyl Acetate
 Concen: 101.90 ug/l
 RT: 4.80 min Scan# 333
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

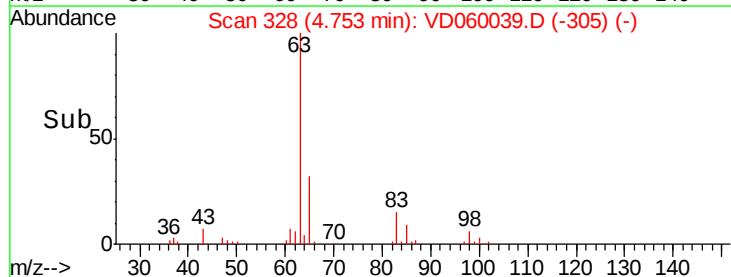
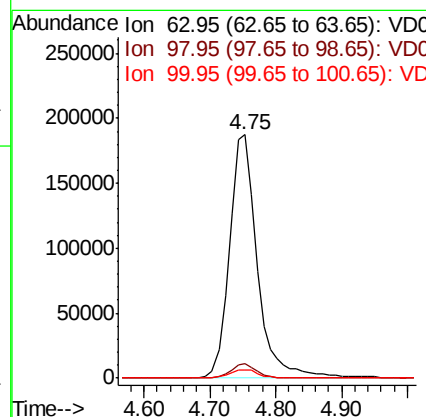
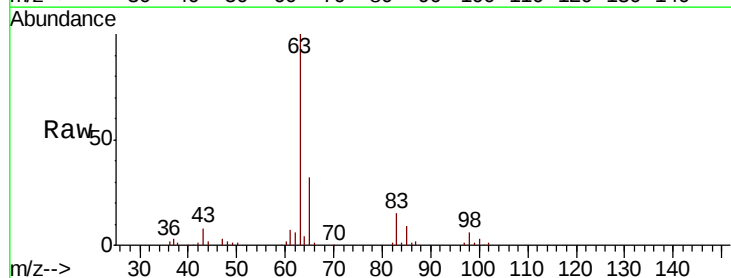
Instrument :
 MSVOA_D
 ClientSampleID :

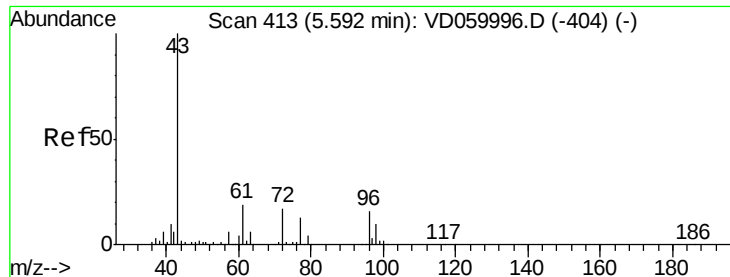
Tot Ion: 43 Resp: 3392959
 Ion Ratio Lower Upper
 43 100
 86 6.8 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 21.00 ug/l
 RT: 4.75 min Scan# 328
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 63 Resp: 553975
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.4 1.8 5.4





#25

2-Butanone

Concen: 113.09 ug/l

RT: 5.62 min Scan# 416

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

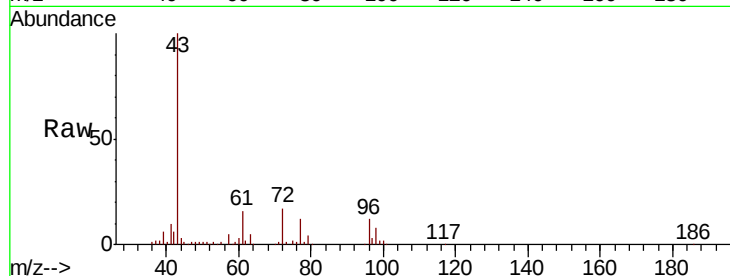
ClientSampleId :

Tot Ion: 43 Resp: 682218

Ion Ratio Lower Upper

43 100

72 17.5 13.6 20.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

5.62

250000

200000

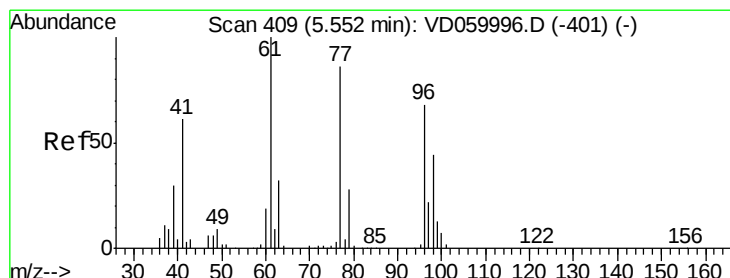
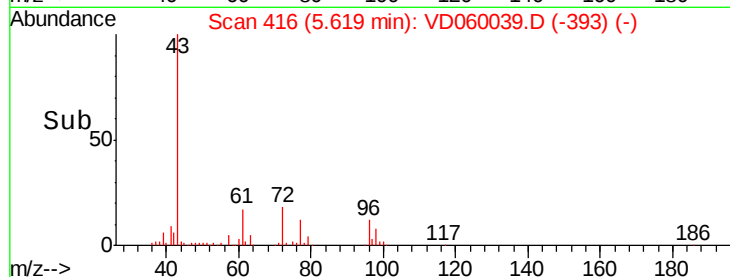
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 21.56 ug/l

RT: 5.58 min Scan# 412

Delta R.T. 0.03 min

Lab File: VD060039.D

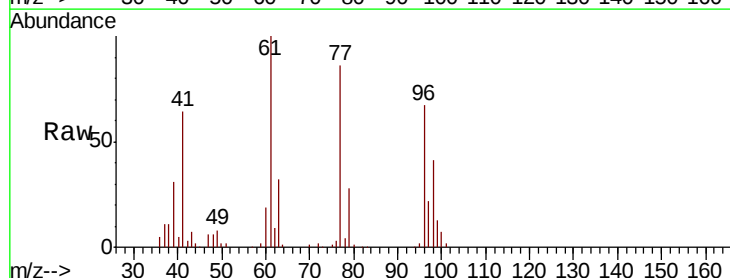
Acq: 19 Sep 2018 12:31

Tgt Ion: 77 Resp: 442108

Ion Ratio Lower Upper

77 100

97 25.2 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

5.58

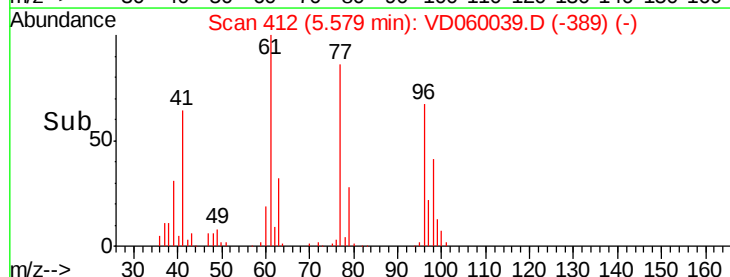
150000

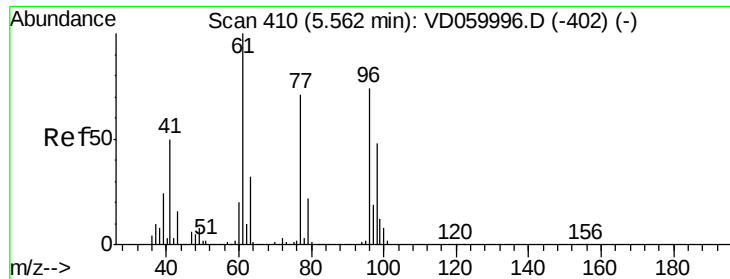
100000

50000

0

Time-->



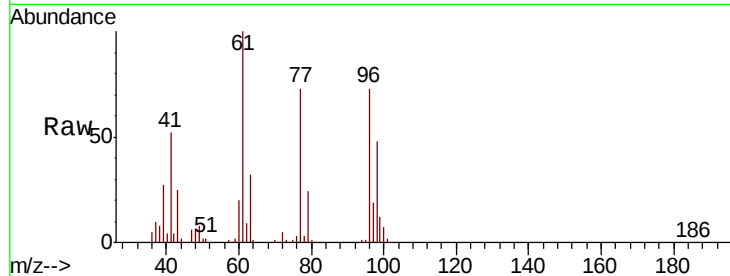


#27

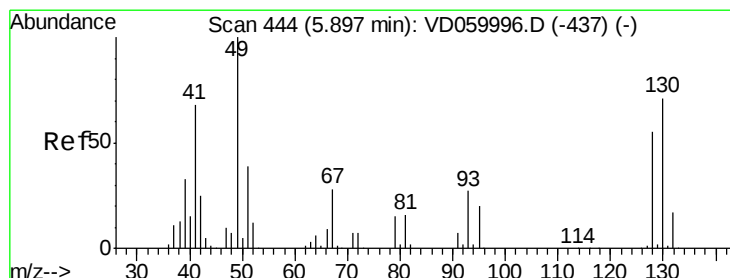
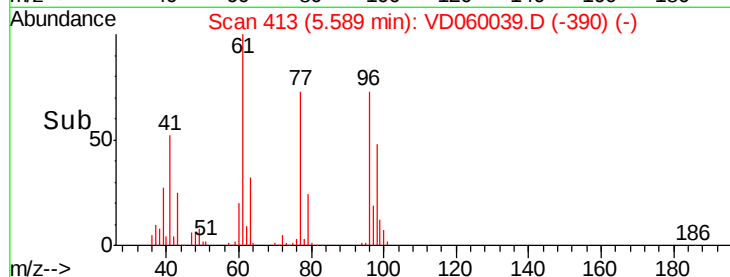
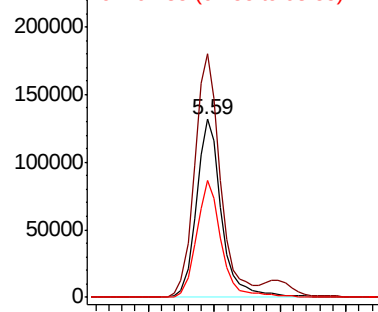
cis-1,2-Dichloroethene
Concen: 20.87 ug/l
RT: 5.59 min Scan# 413
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 350031
Ion Ratio Lower Upper
96 100
61 136.9 0.0 269.6
98 66.1 0.0 128.4



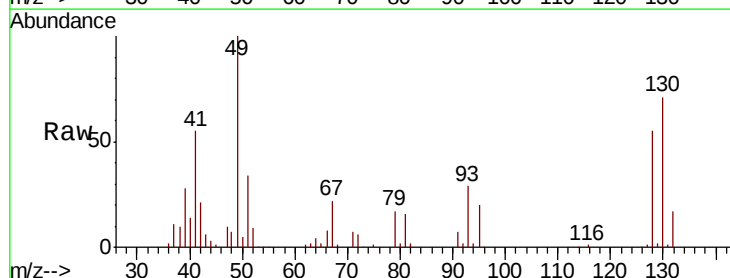
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



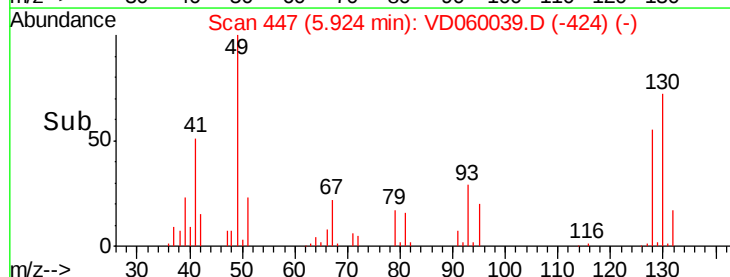
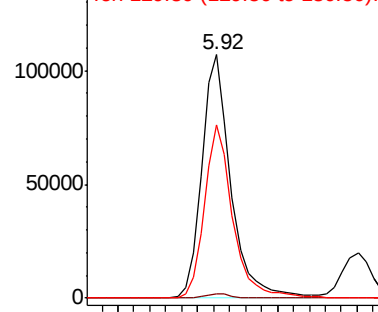
#28

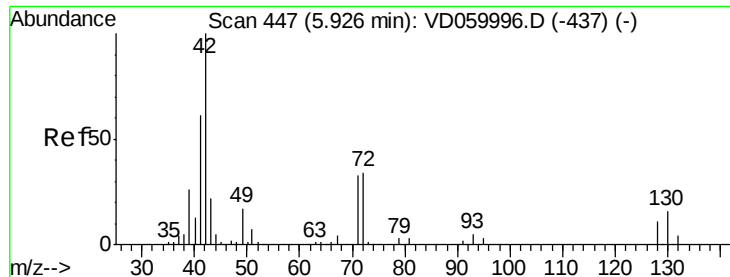
Bromochloromethane
Concen: 21.42 ug/l
RT: 5.92 min Scan# 447
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 49 Resp: 271600
Ion Ratio Lower Upper
49 100
129 1.5 0.0 3.6
130 71.4 57.1 85.7



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

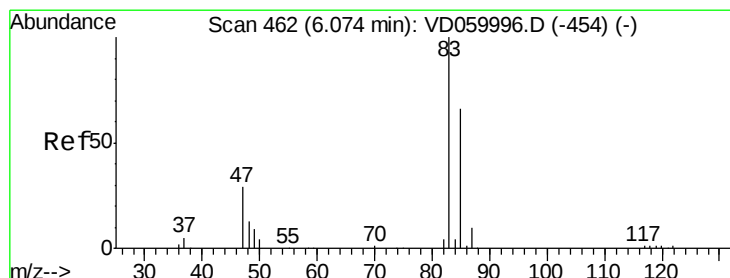
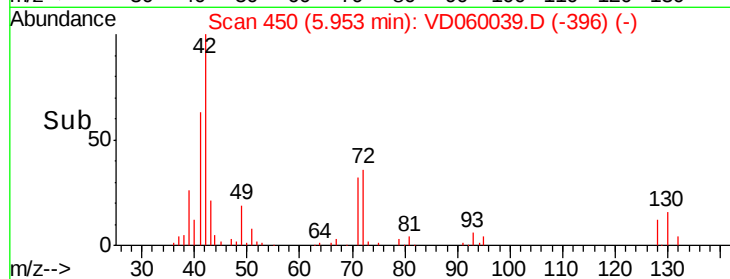
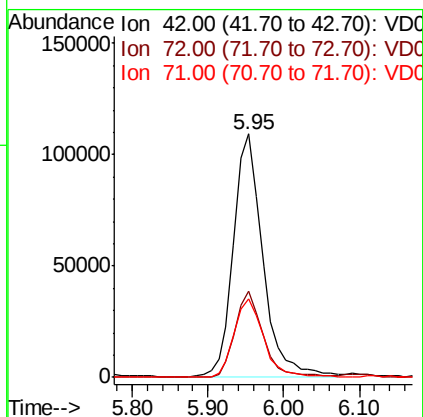
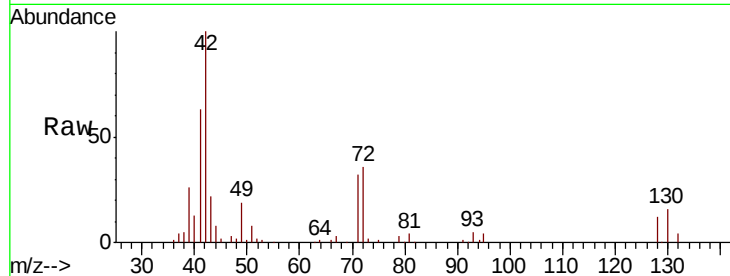




#29
Tetrahydrofuran
Concen: 91.49 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

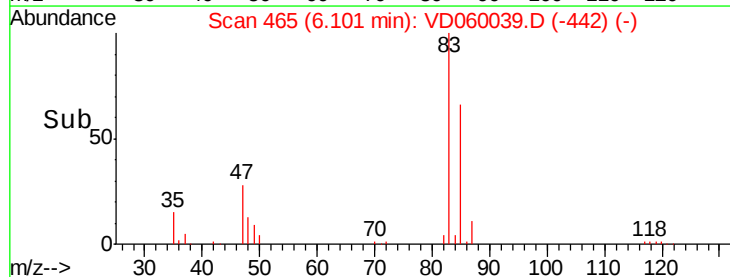
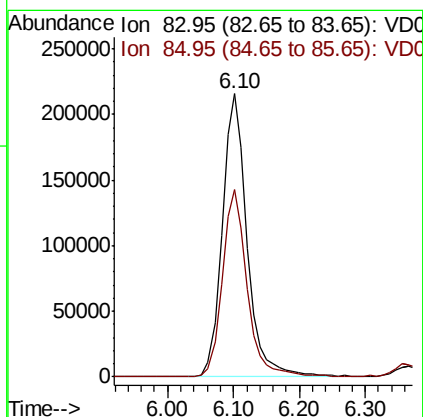
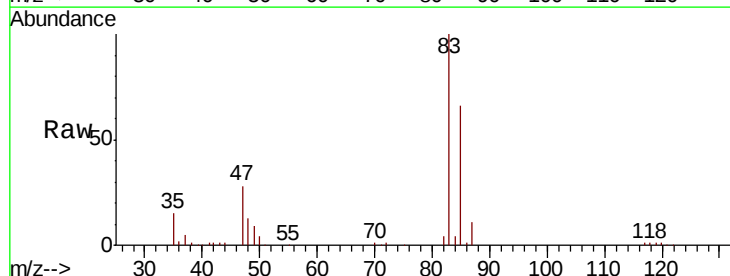
Instrument :
MSVOA_D
ClientSampled :

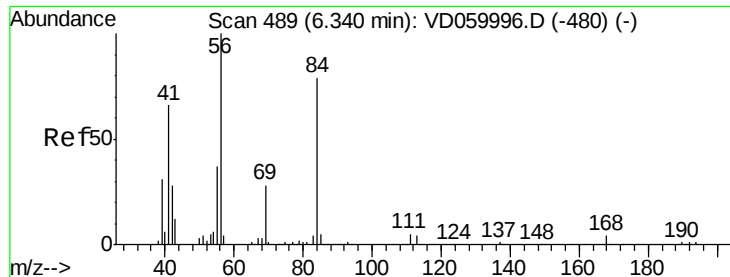
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	26.9	40.3
71	32.5	26.2	39.4



#30
Chloroform
Concen: 21.13 ug/l
RT: 6.10 min Scan# 465
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.6	78.8

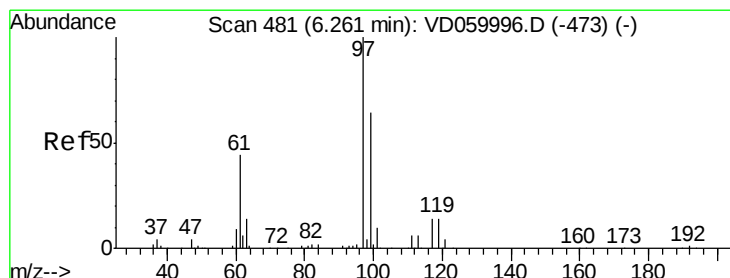
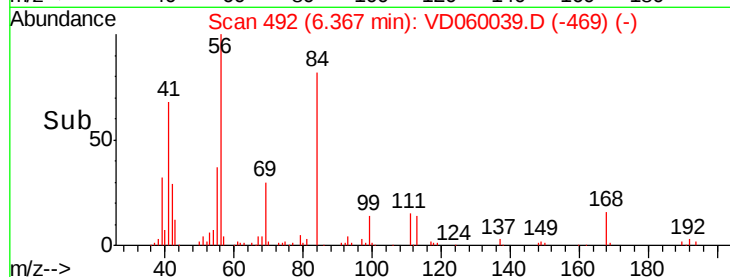
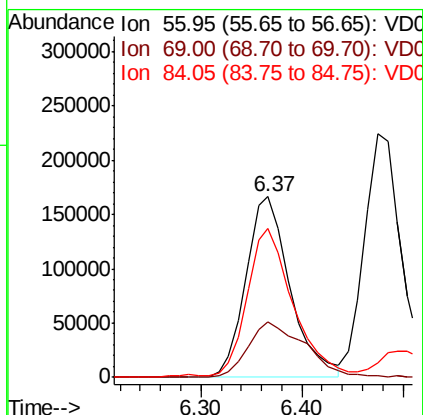
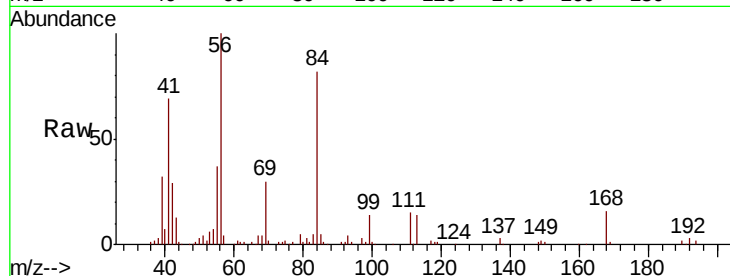




#31
Cvclohexane
Concen: 19.75 ug/l
RT: 6.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

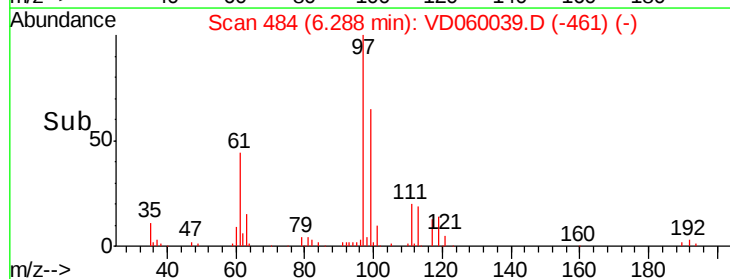
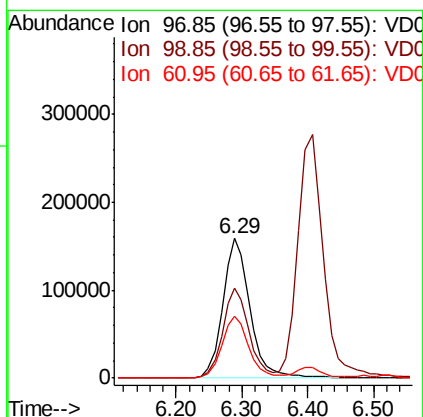
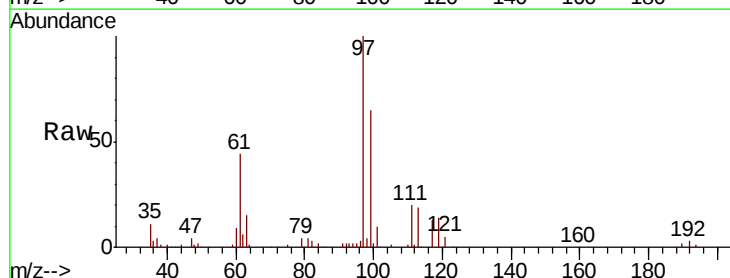
Instrument :
MSVOA_D
ClientSampleId :

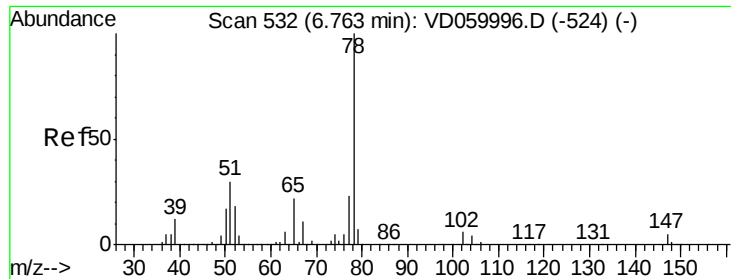
Tot Ion: 56 Resp: 507885
Ion Ratio Lower Upper
56 100
69 30.4 22.7 34.1
84 82.2 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 20.54 ug/l
RT: 6.29 min Scan# 484
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 97 Resp: 455649
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 44.2 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 20.54 ug/l

RT: 6.78 min Scan# 534

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

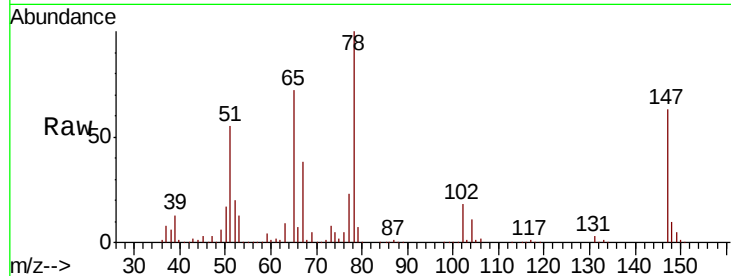
ClientSampleId :

Tot Ion: 65 Resp: 587032

Ion Ratio Lower Upper

65 100

67 52.3 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

250000

200000

150000

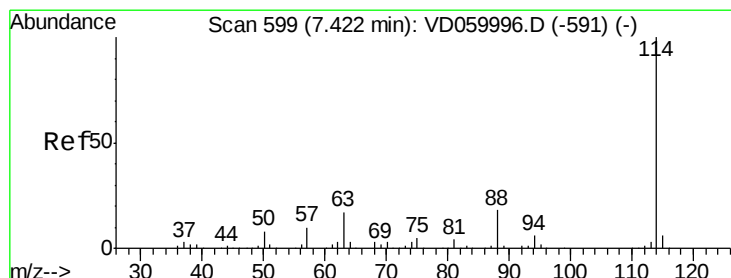
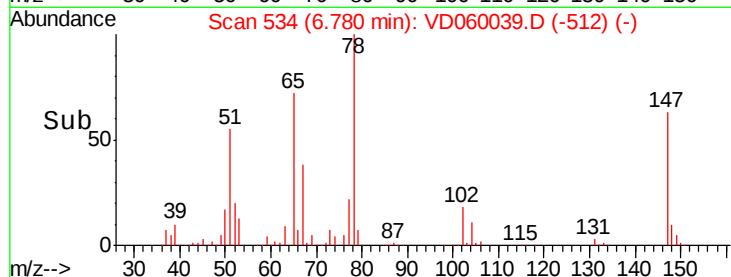
100000

50000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

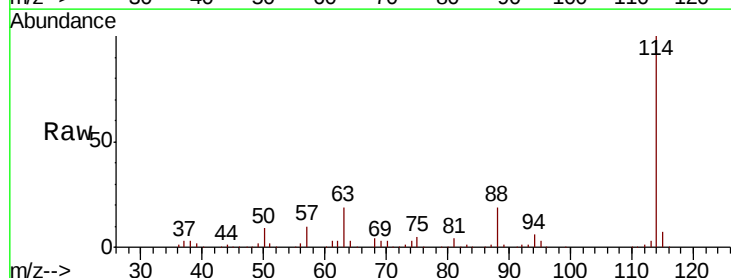
Tgt Ion: 114 Resp: 2061551

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.4

88 18.9 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1000000

800000

600000

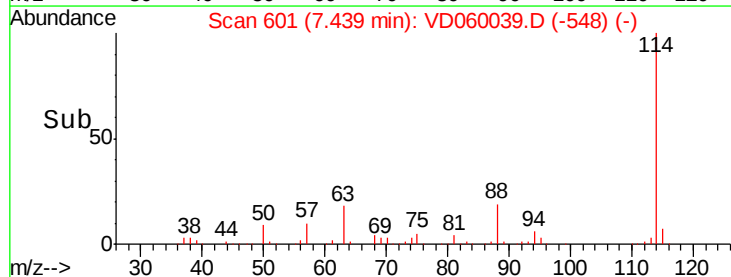
400000

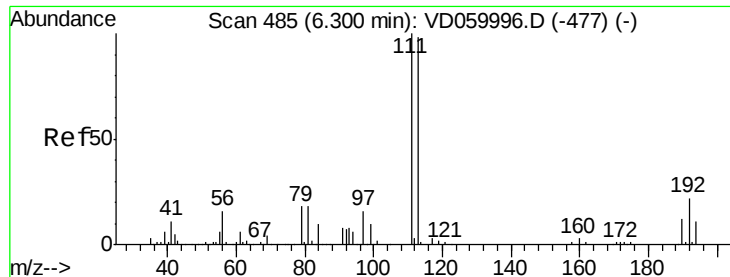
200000

0

7.40 7.60 7.80

Time-->





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :

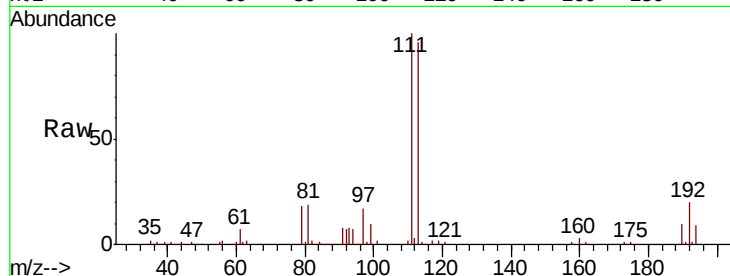
Tot Ion:113 Resp: 800152

Ion Ratio Lower Upper

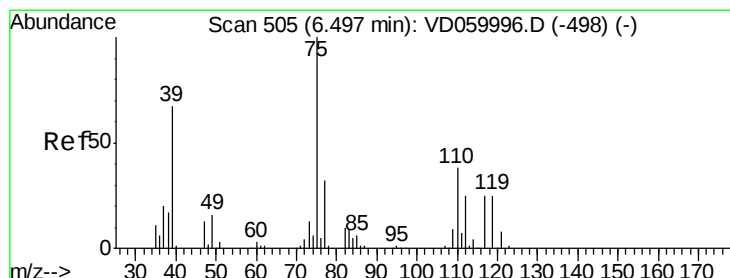
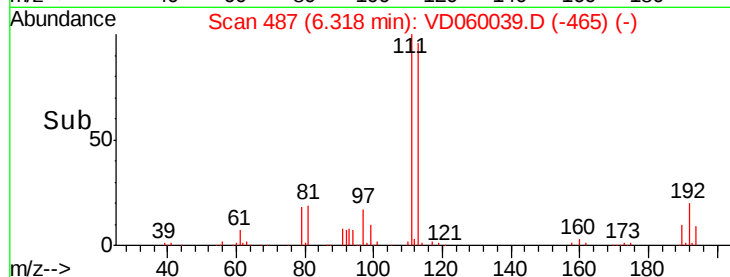
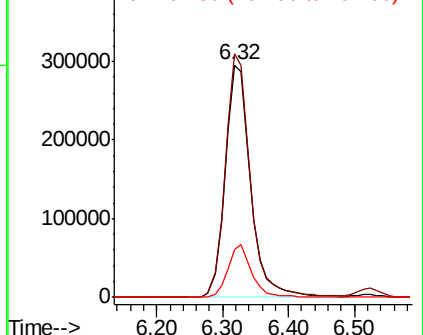
113 100

111 104.7 81.3 121.9

192 20.7 18.1 27.1



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.46 ug/l

RT: 6.52 min Scan# 508

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

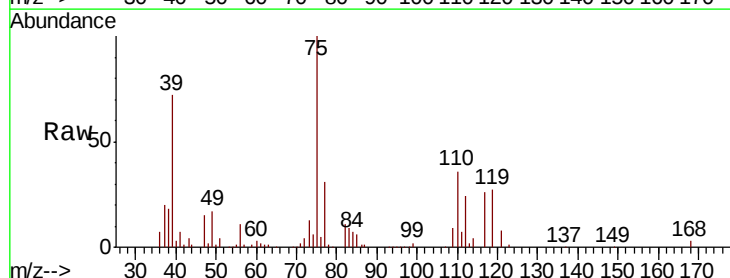
Tgt Ion: 75 Resp: 418978

Ion Ratio Lower Upper

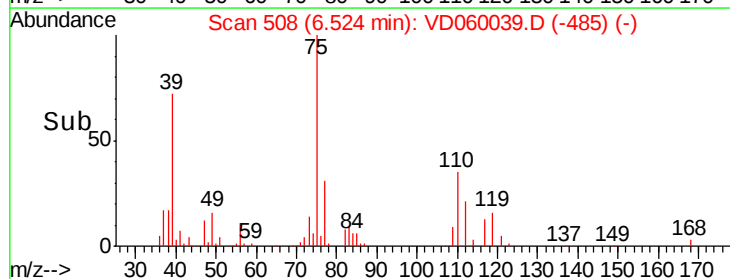
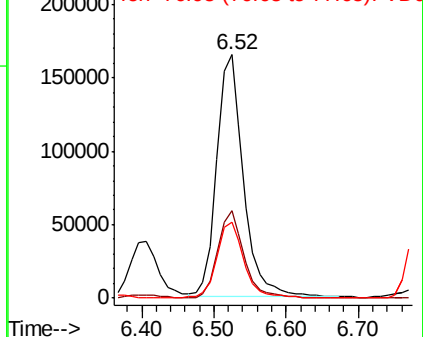
75 100

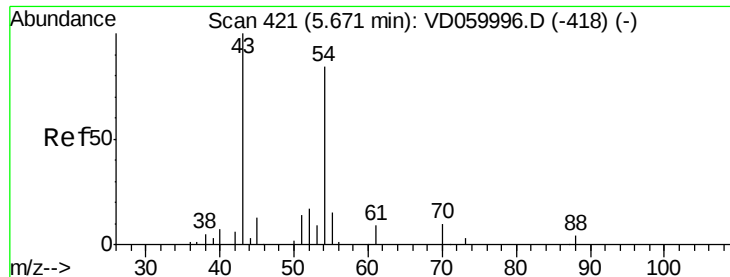
110 35.9 18.9 56.9

77 31.1 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V

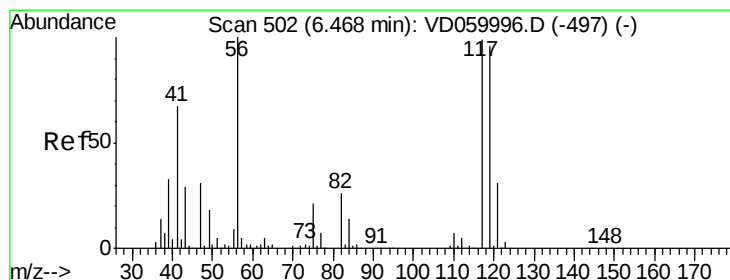
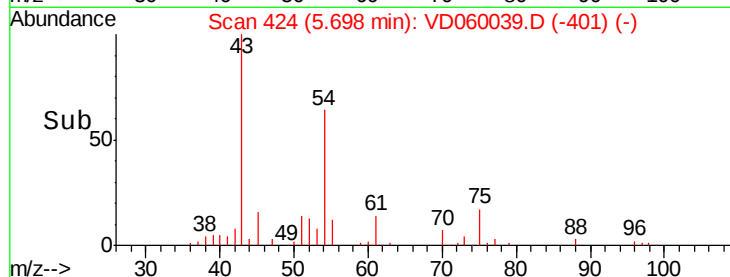
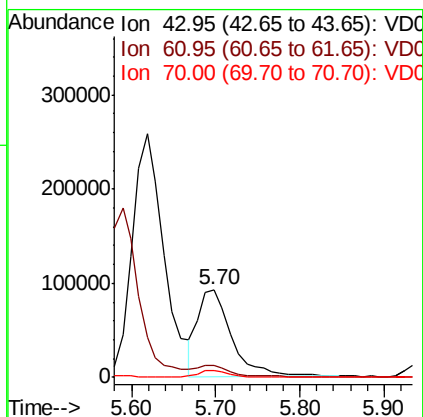
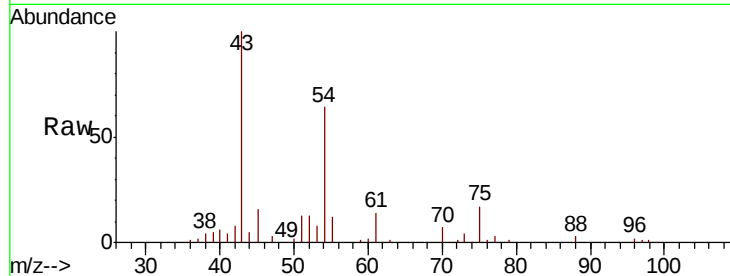




#37
Ethyl Acetate
Concen: 18.13 ug/l
RT: 5.70 min Scan# 424
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

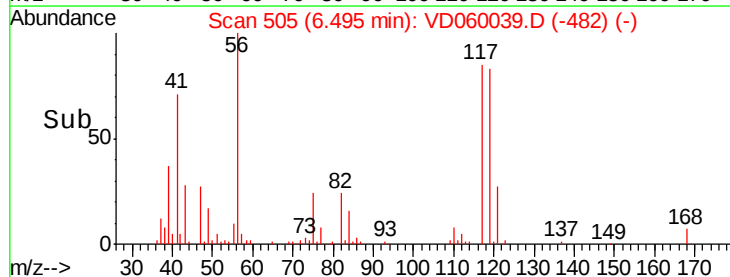
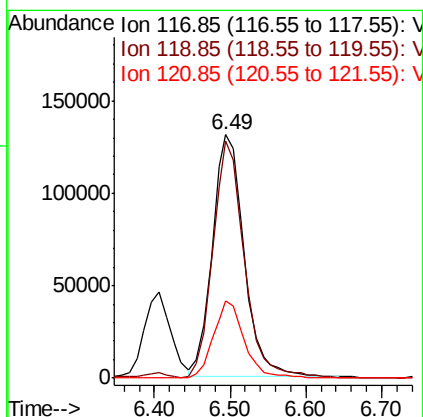
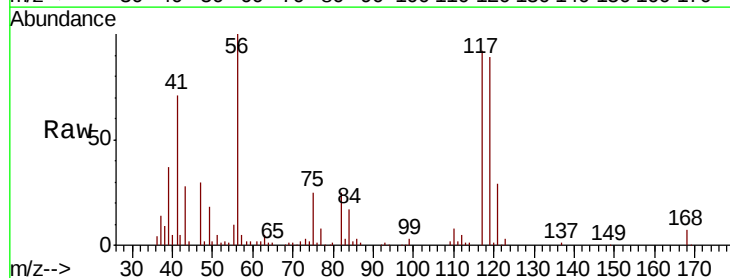
Instrument :
MSVOA_D
ClientSampled :

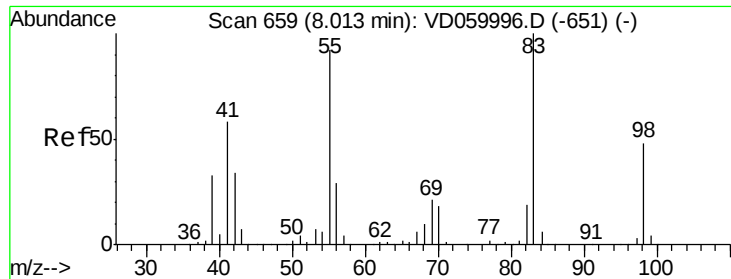
Tot Ion: 43 Resp: 255306
Ion Ratio Lower Upper
43 100
61 13.8 10.2 15.2
70 7.2 6.1 9.1



#38
Carbon Tetrachloride
Concen: 20.02 ug/l
RT: 6.49 min Scan# 505
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 117 Resp: 382717
Ion Ratio Lower Upper
117 100
119 97.3 76.7 115.1
121 31.6 24.9 37.3

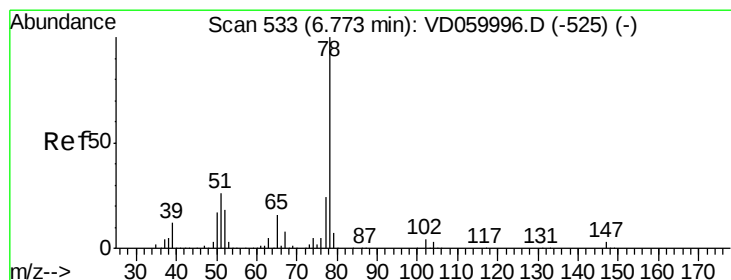
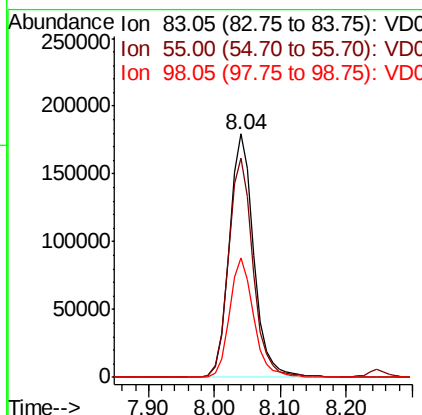
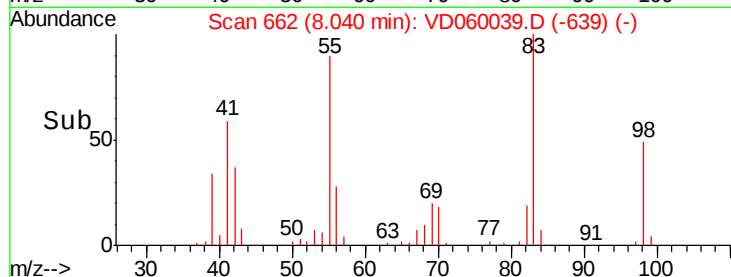
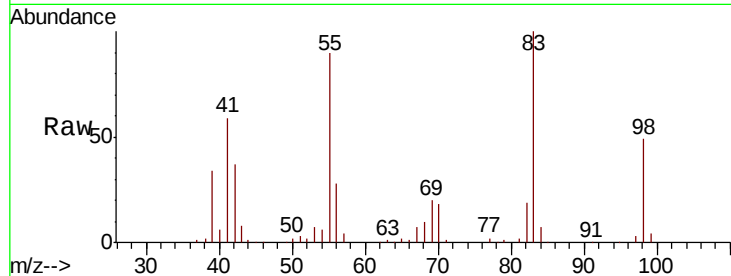




#39
Methylcyclohexane
Concen: 20.22 ug/l
RT: 8.04 min Scan# 662
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

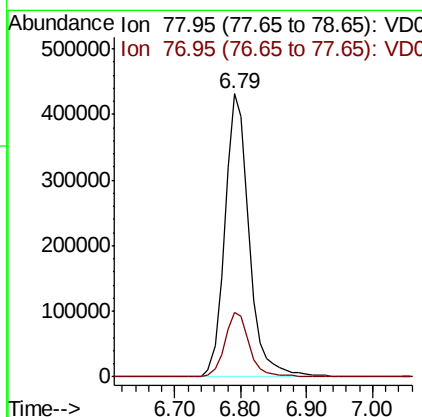
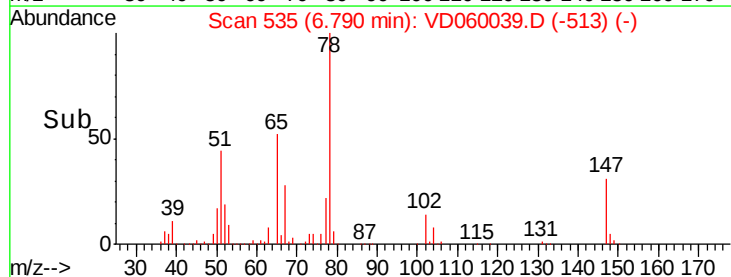
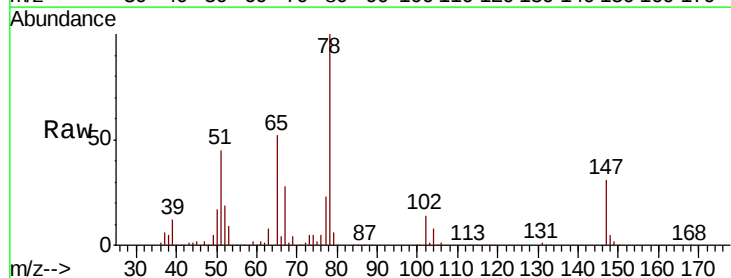
Instrument :
MSVOA_D
ClientSampled :

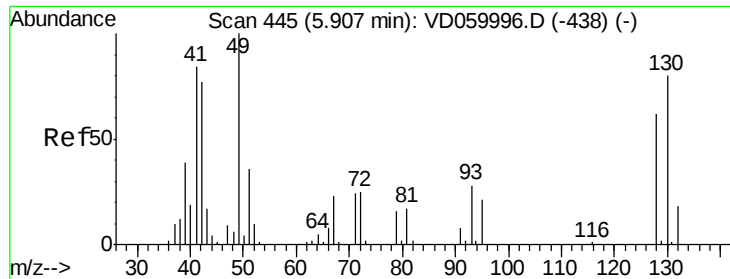
Tot Ion: 83 Resp: 468310
Ion Ratio Lower Upper
83 100
55 90.3 73.8 110.6
98 49.1 38.1 57.1



#40
Benzene
Concen: 21.26 ug/l
RT: 6.79 min Scan# 535
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 78 Resp: 1109530
Ion Ratio Lower Upper
78 100
77 22.6 19.0 28.4

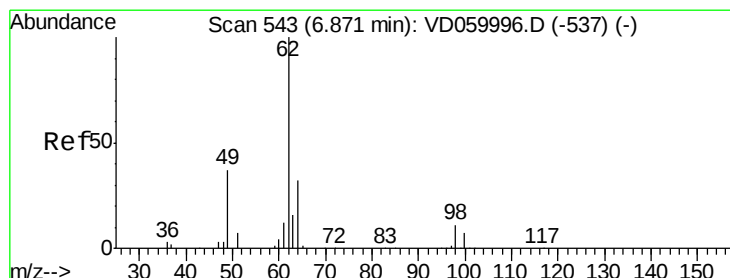
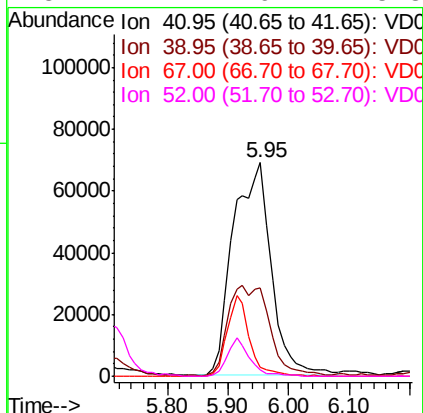
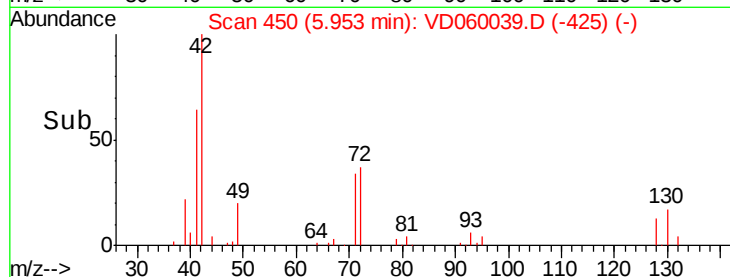
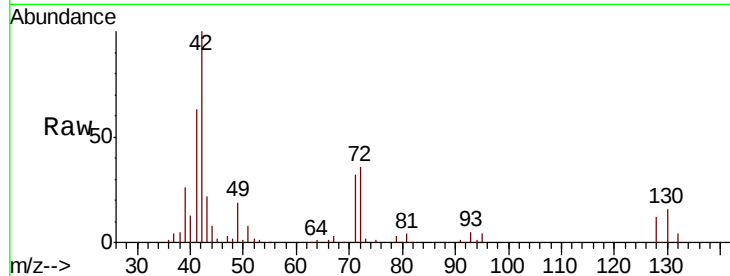




#41
Methacrylonitrile
Concen: 40.80 ug/l
RT: 5.95 min Scan# 450
Delta R.T. 0.05 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

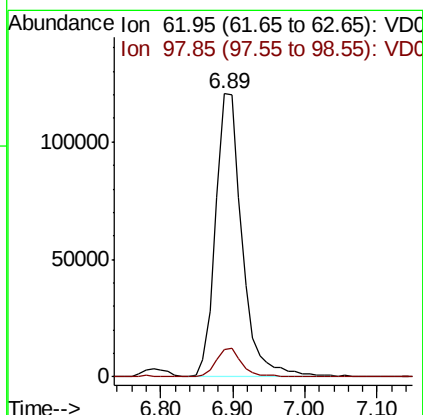
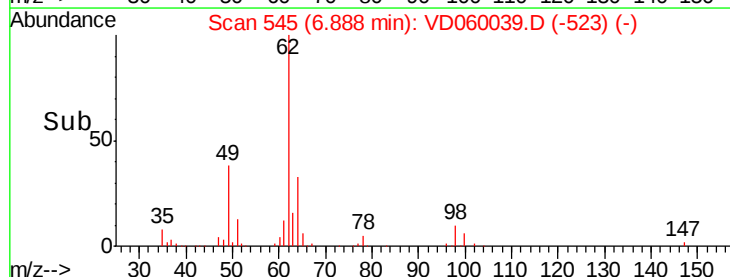
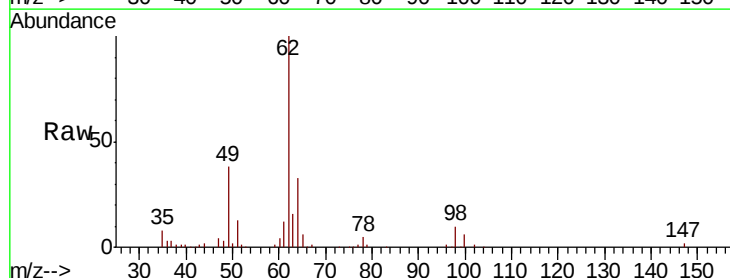
Instrument :
MSVOA_D
ClientSampleId :

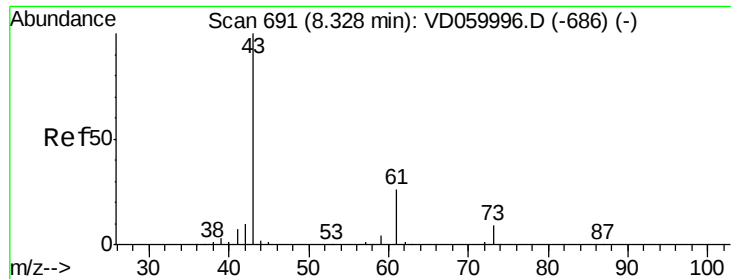
Tot Ion	Ratio	Lower	Upper
41	100		
39	41.4	37.5	56.3
67	4.5	21.5	32.3#
52	2.7	9.2	13.8#



#42
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 6.89 min Scan# 545
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	21.4



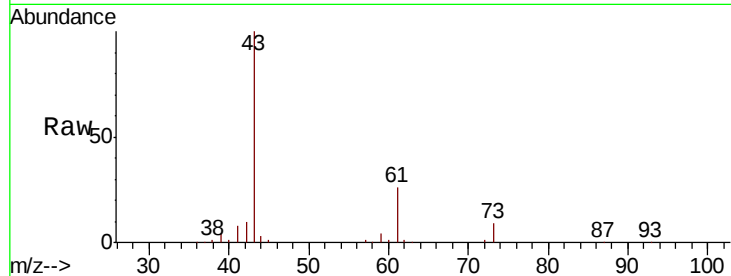


#43

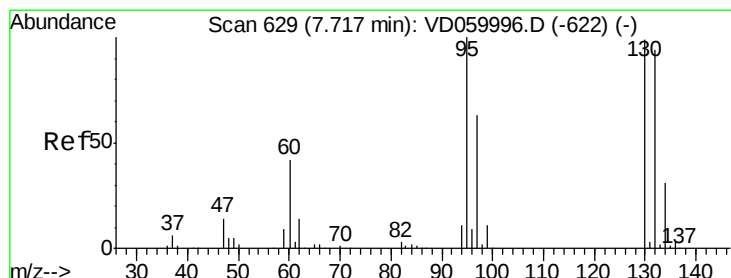
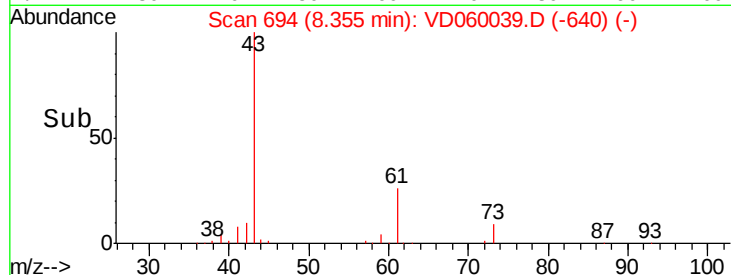
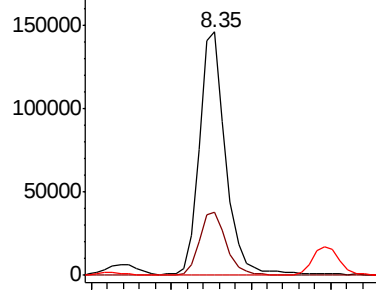
Isopropyl Acetate
 Concen: 17.58 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 331439
 Ion Ratio Lower Upper
 43 100
 61 26.2 21.0 31.6
 87 0.2 0.2 0.2#



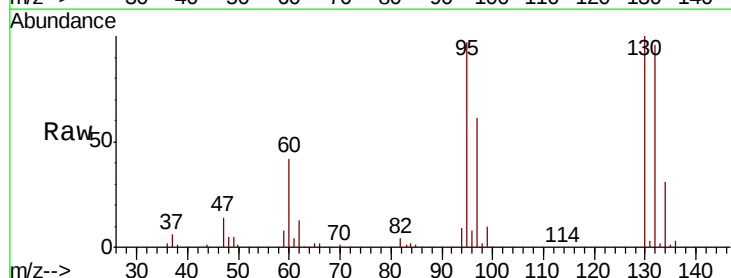
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



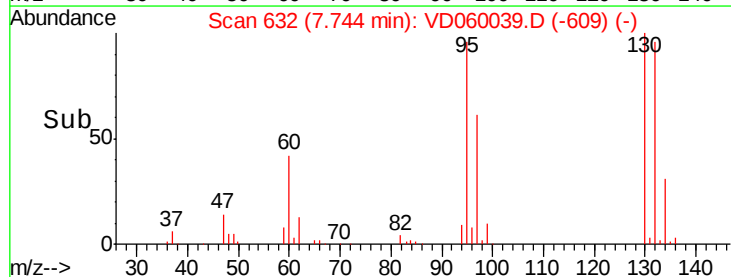
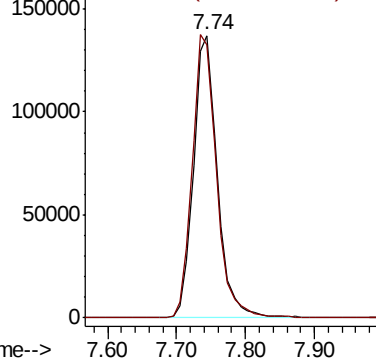
#44

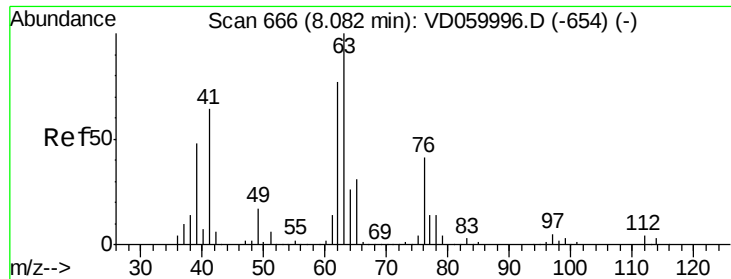
Trichloroethene
 Concen: 20.32 ug/l
 RT: 7.74 min Scan# 632
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 130 Resp: 327624
 Ion Ratio Lower Upper
 130 100
 95 96.5 0.0 202.0



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

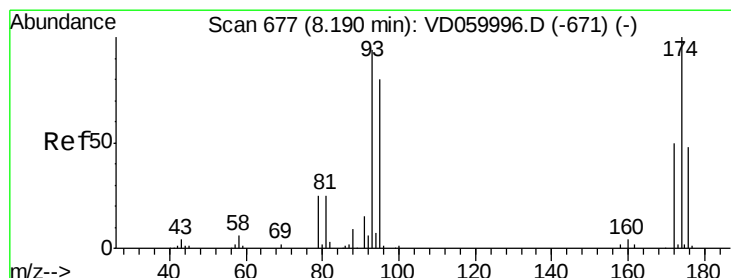
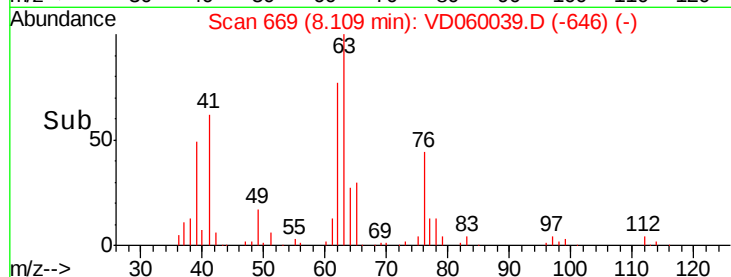
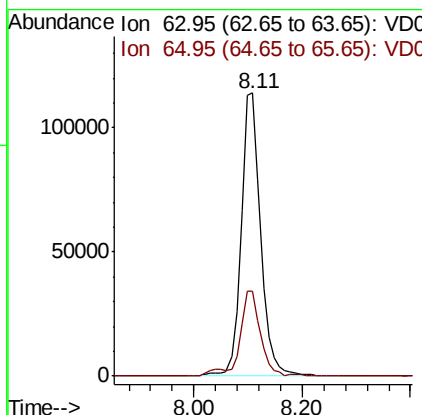
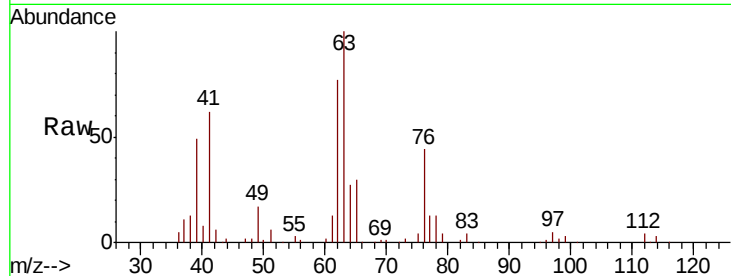




#45
 1,2-Dichloropropane
 Concen: 20.48 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

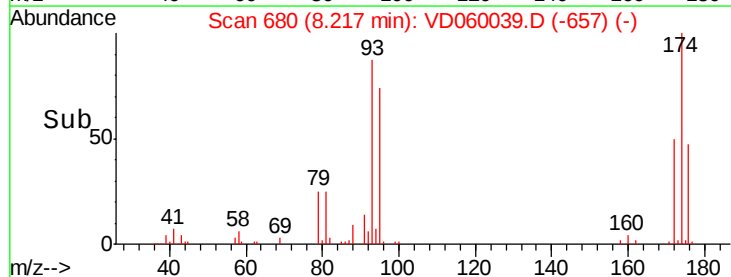
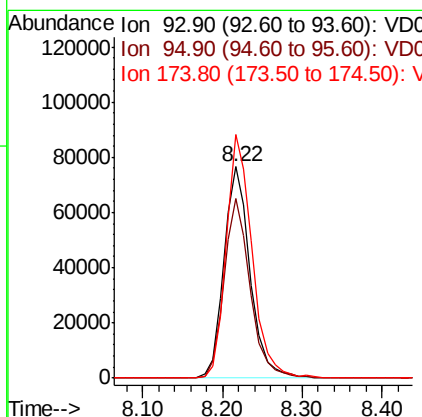
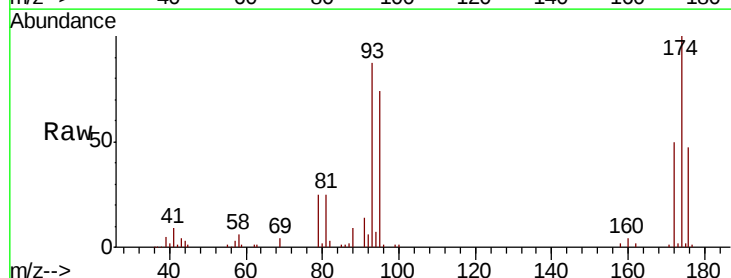
Instrument :
 MSVOA_D
 ClientSampleId :

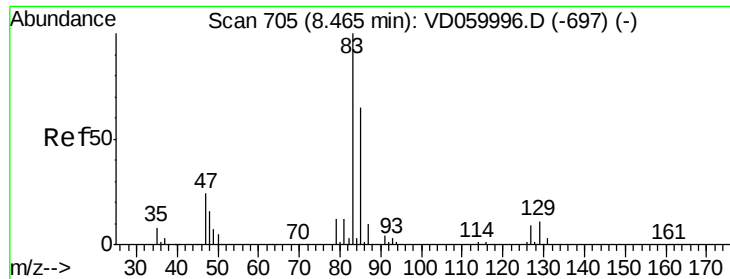
Tot Ion: 63 Resp: 285786
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.6 37.0



#46
 Dibromomethane
 Concen: 19.42 ug/l
 RT: 8.22 min Scan# 680
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 93 Resp: 176802
 Ion Ratio Lower Upper
 93 100
 95 84.9 68.0 102.0
 174 115.3 85.4 128.2





#47

Bromodichloromethane

Concen: 20.14 ug/l

RT: 8.49 min Scan# 708

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :

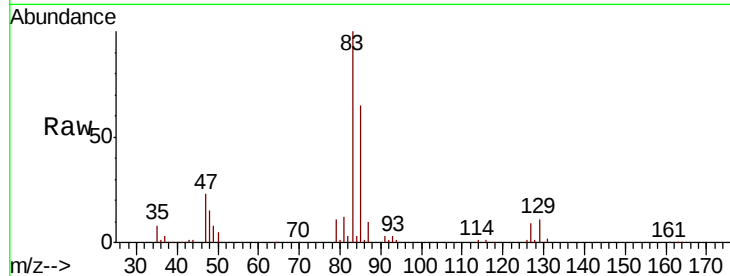
Tot Ion: 83 Resp: 395419

Ion Ratio Lower Upper

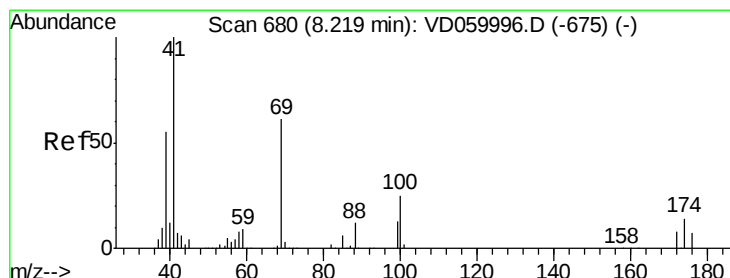
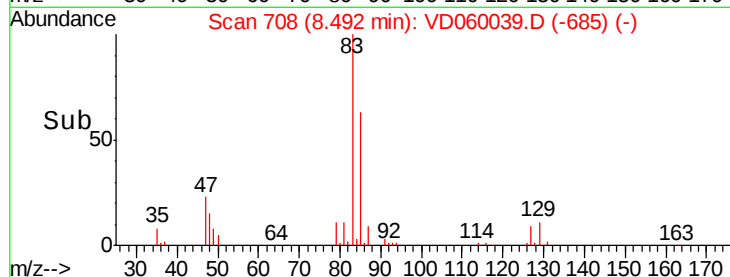
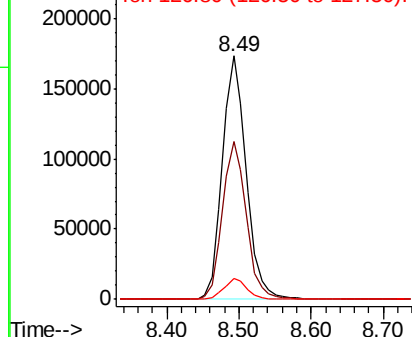
83 100

85 64.7 51.9 77.9

127 8.8 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: 18.67 ug/l

RT: 8.25 min Scan# 683

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

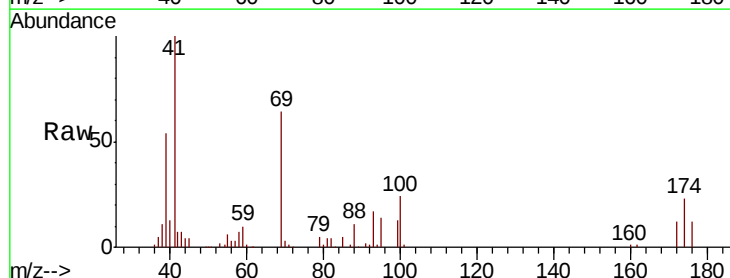
Tgt Ion: 41 Resp: 196096

Ion Ratio Lower Upper

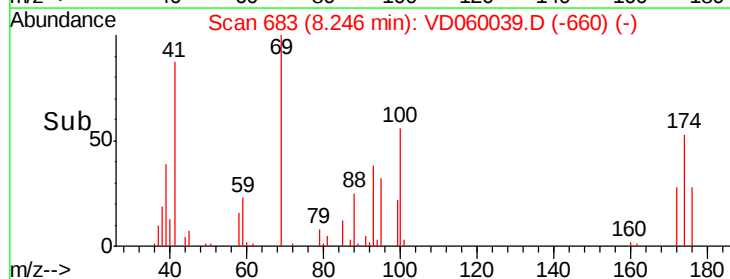
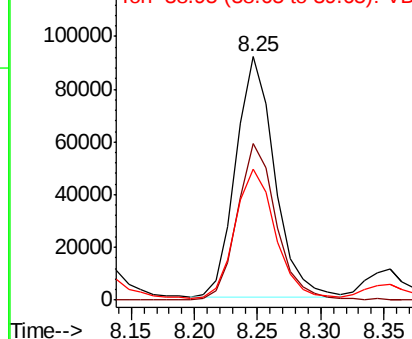
41 100

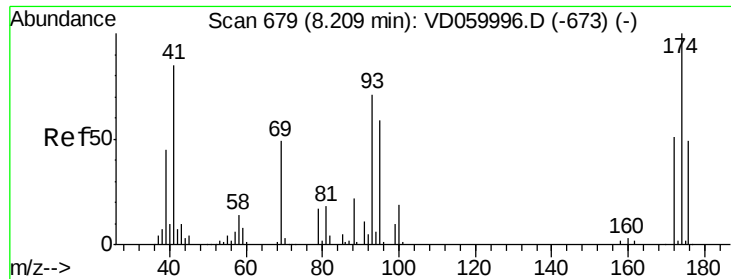
69 64.2 48.3 72.5

39 53.9 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: 341.47 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampled :

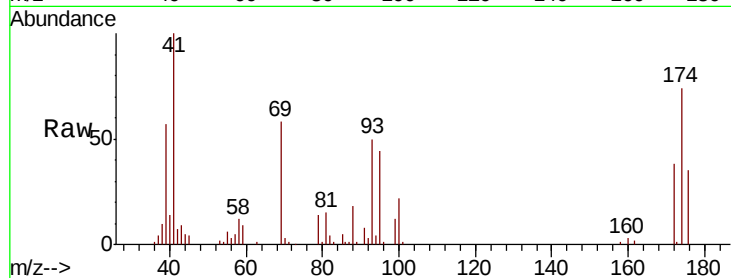
Tot Ion: 88 Resp: 35616

Ion Ratio Lower Upper

88 100

43 53.8 36.2 54.2

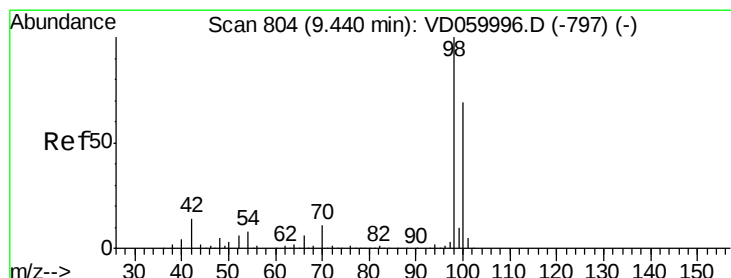
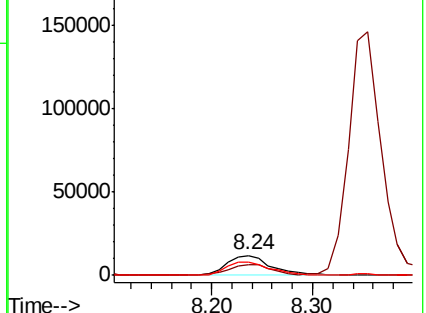
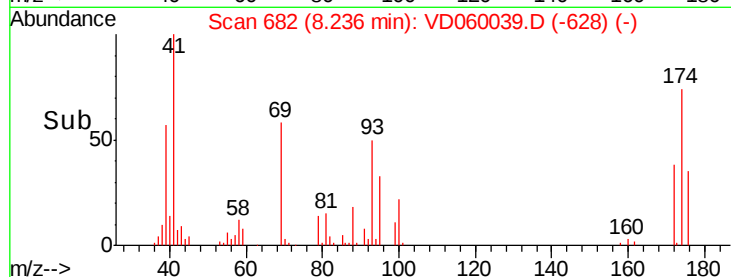
58 68.1 51.0 76.6



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: 341.47 ug/l

RT: 9.46 min Scan# 806

Delta R.T. 0.02 min

Lab File: VD060039.D

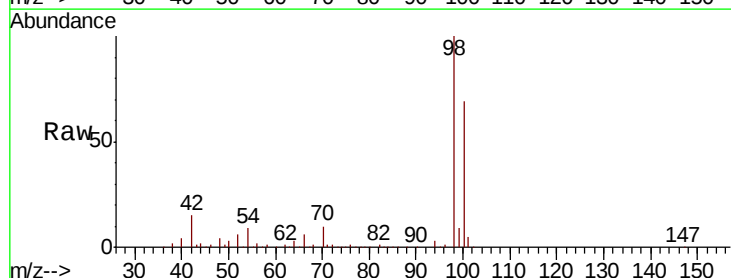
Acq: 19 Sep 2018 12:31

Tgt Ion: 98 Resp: 2265398

Ion Ratio Lower Upper

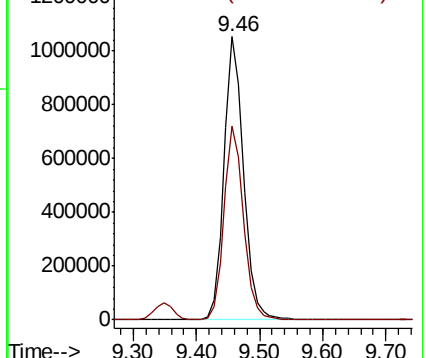
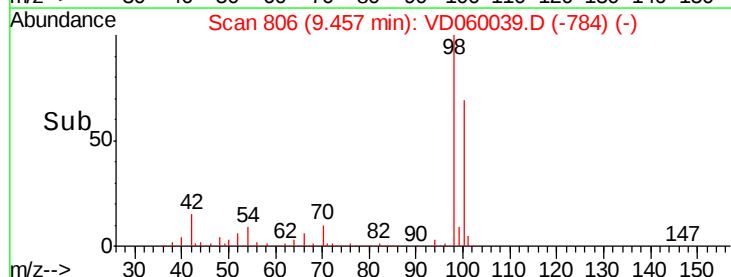
98 100

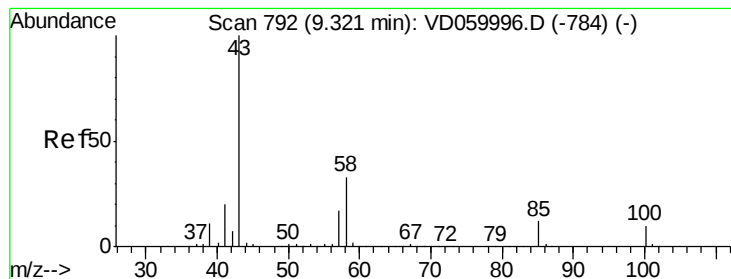
100 68.6 55.8 83.6



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: 98.69 ug/l

RT: 9.35 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

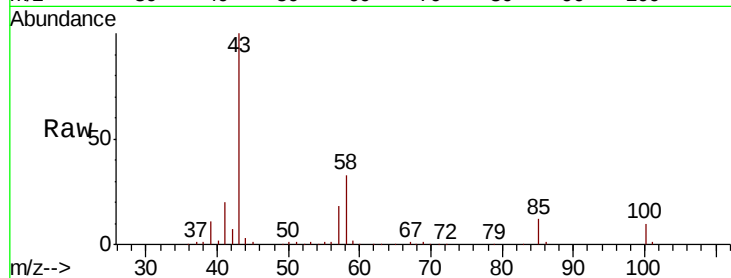
ClientSampleId :

Tot Ion: 43 Resp: 1375292

Ion Ratio Lower Upper

43 100

58 33.1 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.35

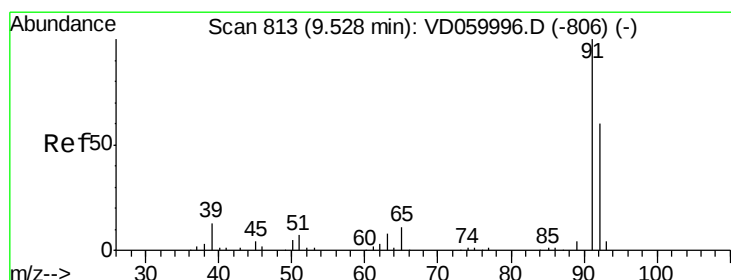
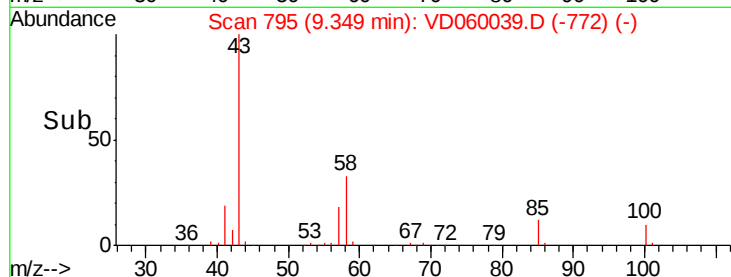
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 20.77 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060039.D

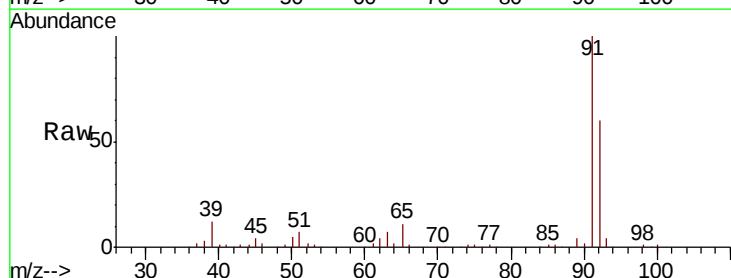
Acq: 19 Sep 2018 12:31

Tgt Ion: 92 Resp: 694727

Ion Ratio Lower Upper

92 100

91 165.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

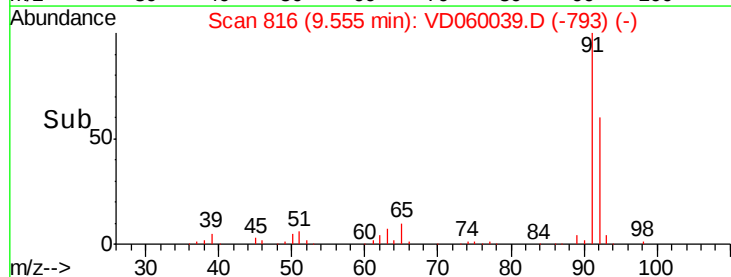
300000

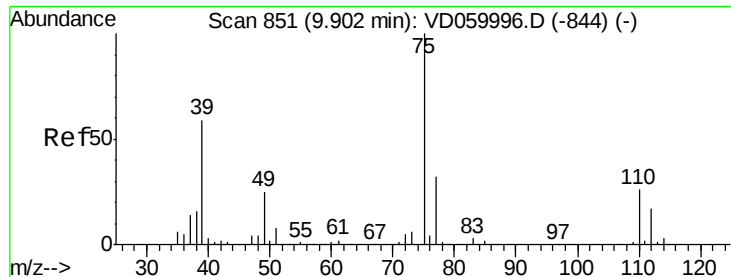
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.25 ug/l

RT: 9.92 min Scan# 853

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

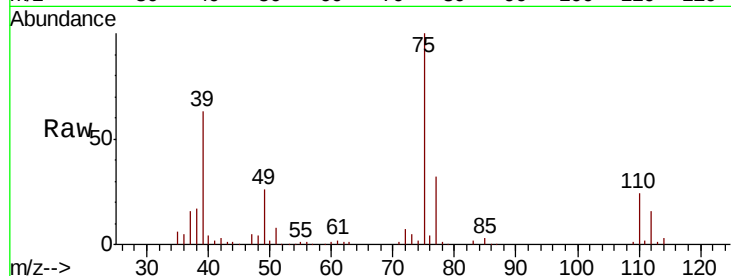
ClientSampleId :

Tot Ion: 75 Resp: 352442

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

9.92

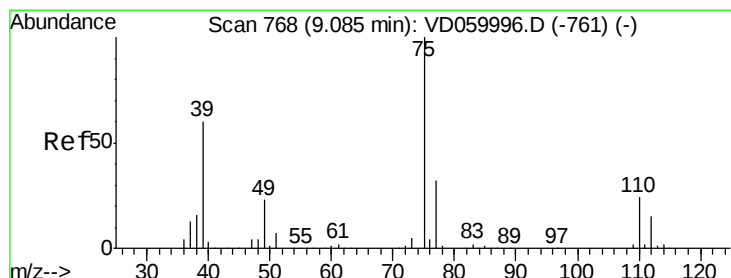
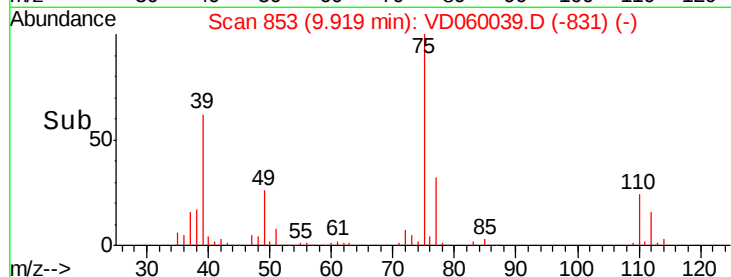
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.95 ug/l

RT: 9.10 min Scan# 770

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

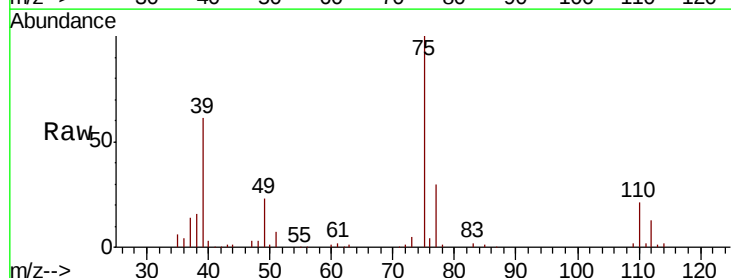
Tgt Ion: 75 Resp: 436434

Ion Ratio Lower Upper

75 100

77 30.3 25.5 38.3

39 60.7 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.10

250000

200000

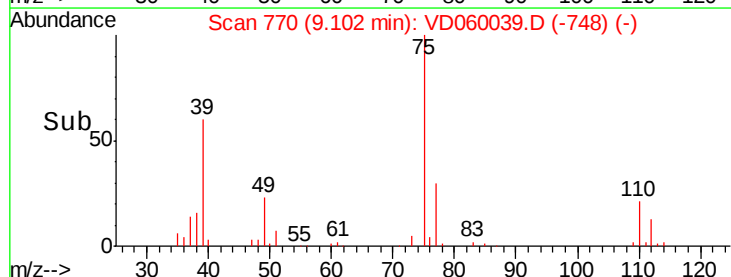
150000

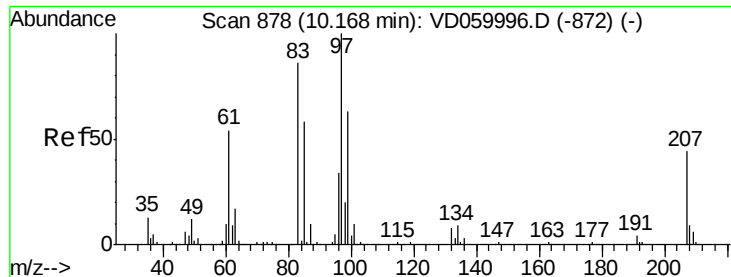
100000

50000

0

Time-->

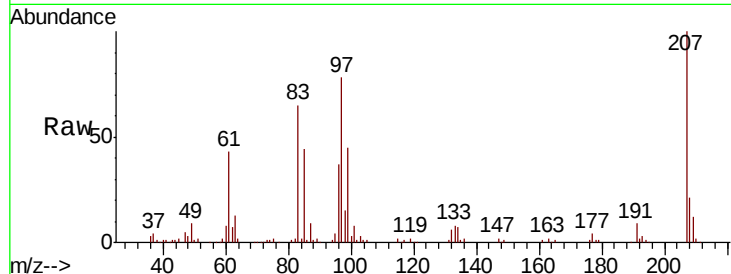




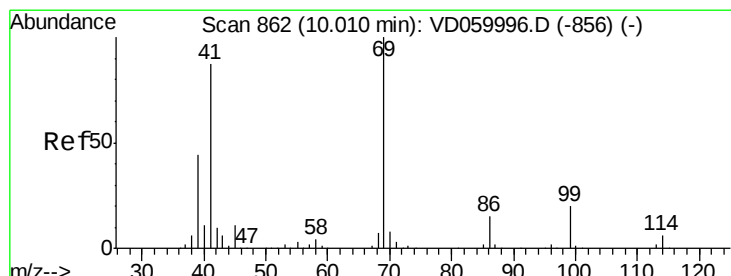
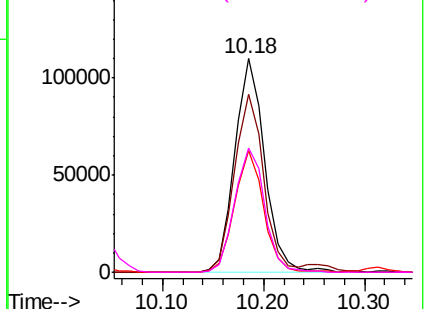
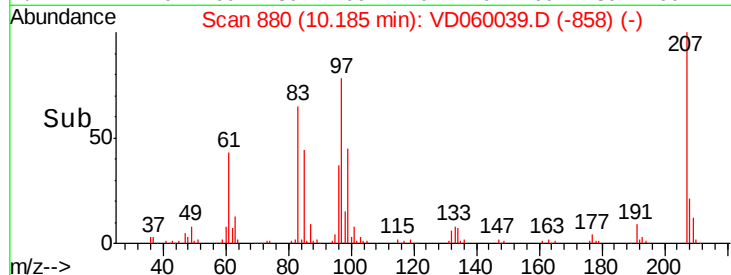
#55
 1,1,2-Trichloroethane
 Concen: 19.45 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 225898
 Ion Ratio Lower Upper
 97 100
 83 83.2 69.1 103.7
 85 57.1 46.2 69.4
 99 58.2 50.6 75.8

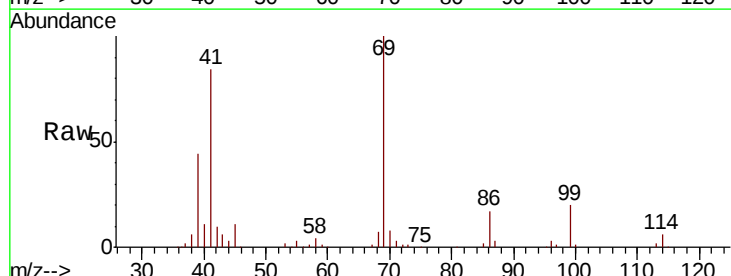


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

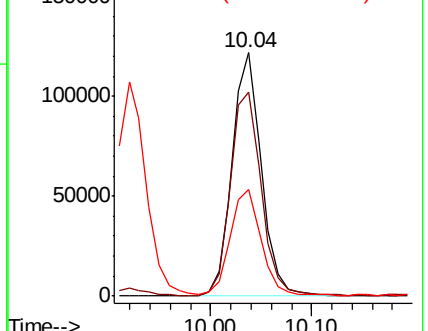
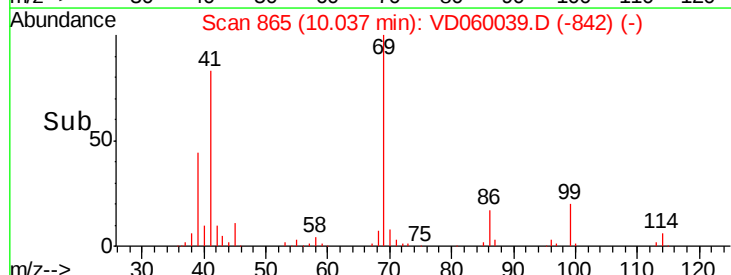


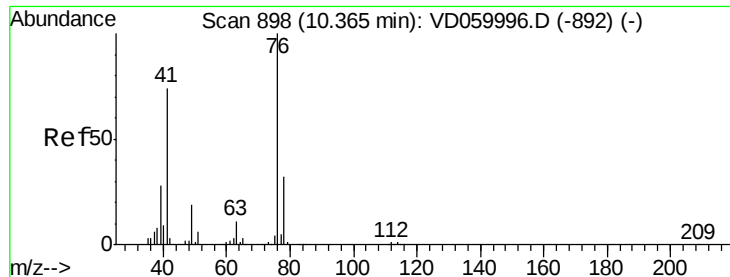
#56
 Ethyl methacrylate
 Concen: 19.00 ug/l
 RT: 10.04 min Scan# 865
 Delta R.T. 0.03 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 69 Resp: 244809
 Ion Ratio Lower Upper
 69 100
 41 83.6 70.1 105.1
 39 44.0 36.5 54.7



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





#57

1,3-Dichloropropane

Concen: 19.94 ug/l

RT: 10.39 min Scan# 901

Delta R.T. 0.03 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

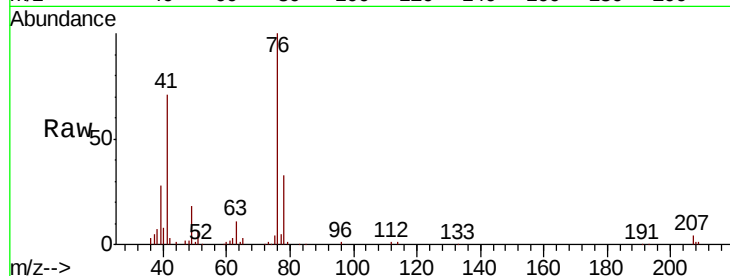
ClientSampleId :

Tot Ion: 76 Resp: 341817

Ion Ratio Lower Upper

76 100

78 33.3 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

200000

150000

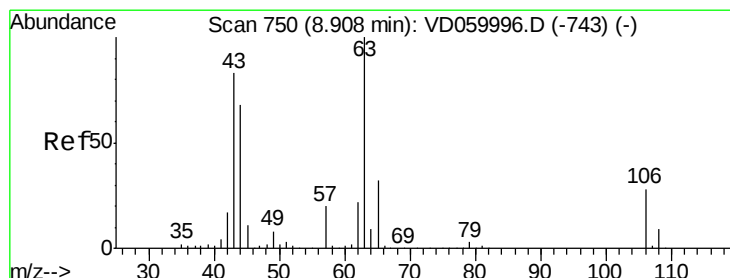
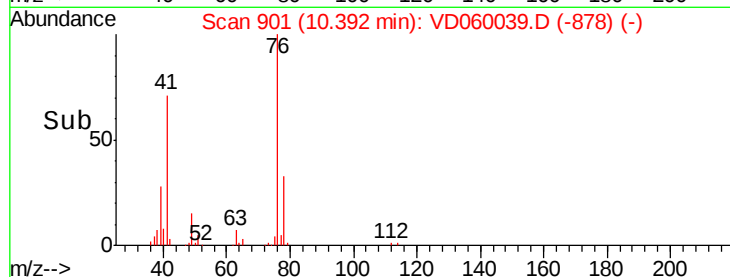
100000

50000

0

10.30 10.40 10.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 103.83 ug/l

RT: 8.93 min Scan# 752

Delta R.T. 0.02 min

Lab File: VD060039.D

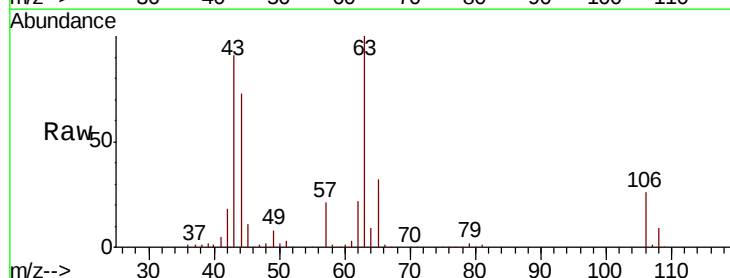
Acq: 19 Sep 2018 12:31

Tgt Ion: 63 Resp: 646009

Ion Ratio Lower Upper

63 100

106 26.2 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

300000

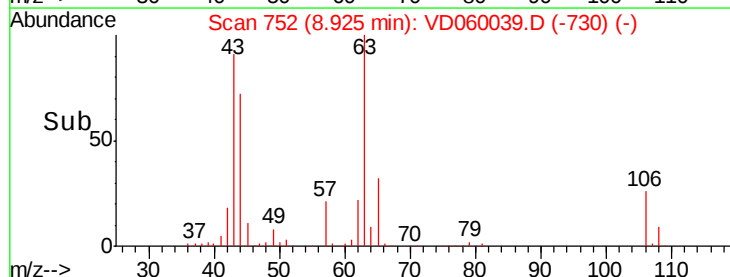
200000

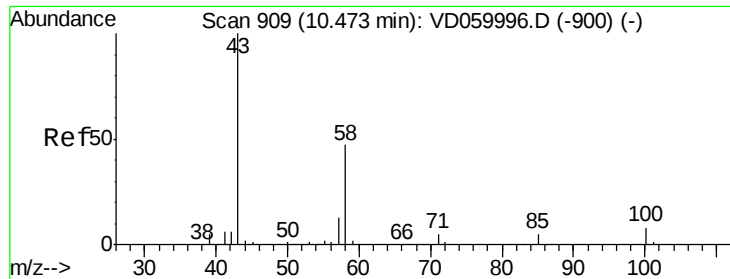
100000

0

8.80 8.90 9.00 9.10

Time-->

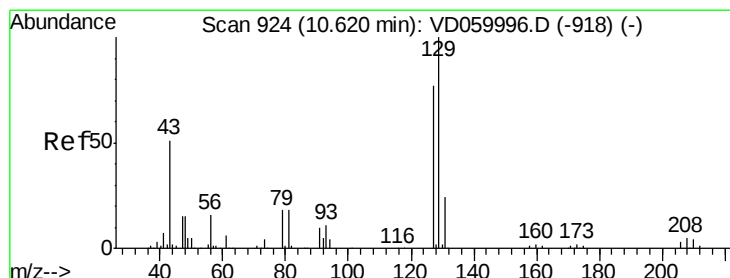
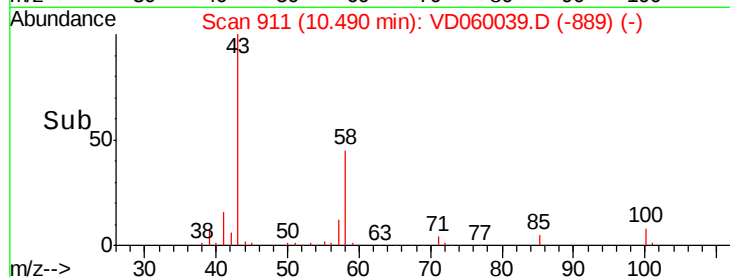
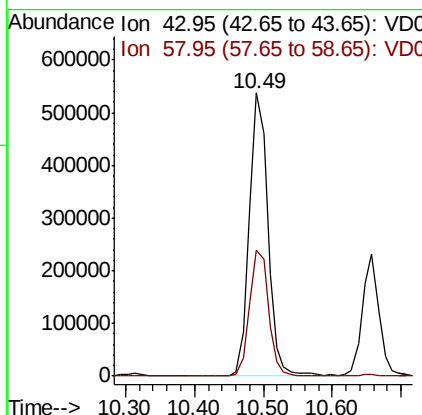
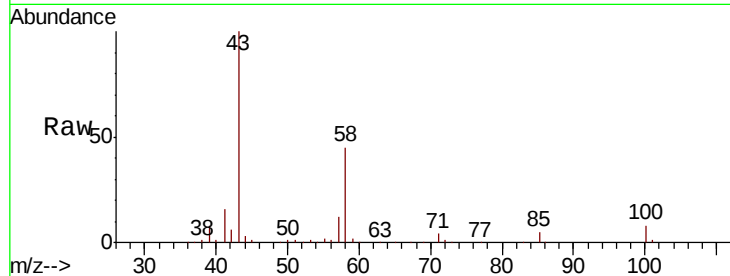




#59
2-Hexanone
Concen: 101.49 ug/l
RT: 10.49 min Scan# 911
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

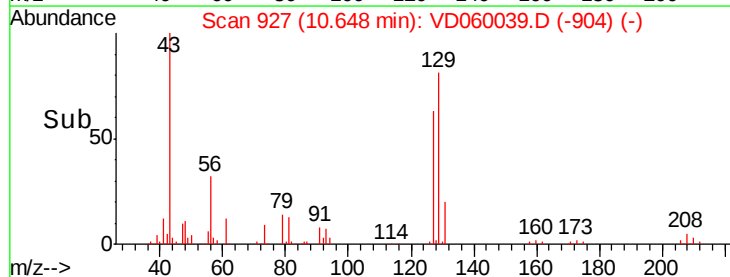
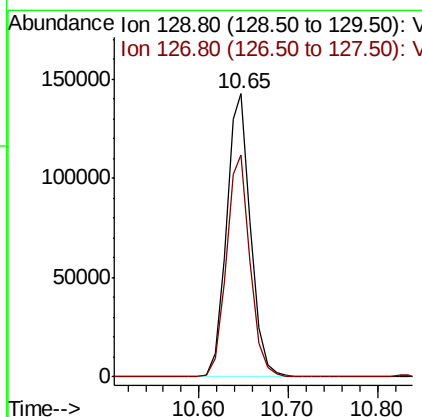
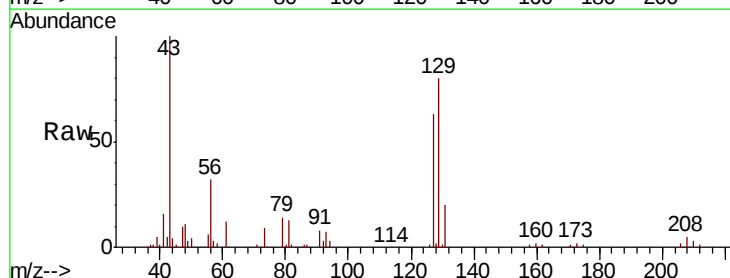
Instrument :
MSVOA_D
ClientSampled :

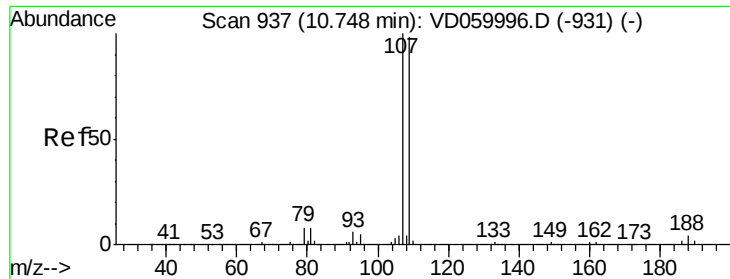
Tot Ion: 43 Resp: 1016638
Ion Ratio Lower Upper
43 100
58 44.7 23.4 70.0



#60
Dibromochloromethane
Concen: 19.16 ug/l
RT: 10.65 min Scan# 927
Delta R.T. 0.03 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 129 Resp: 270938
Ion Ratio Lower Upper
129 100
127 78.4 38.6 116.0

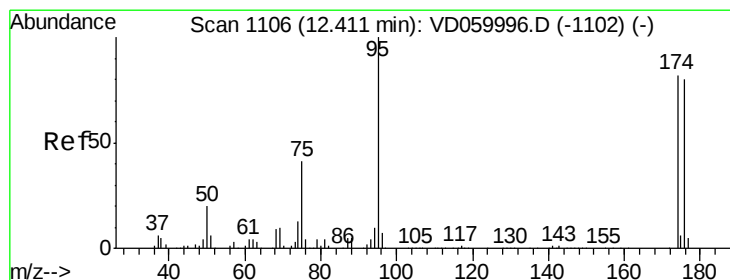
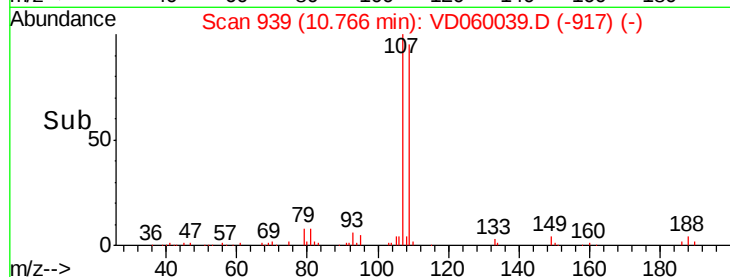
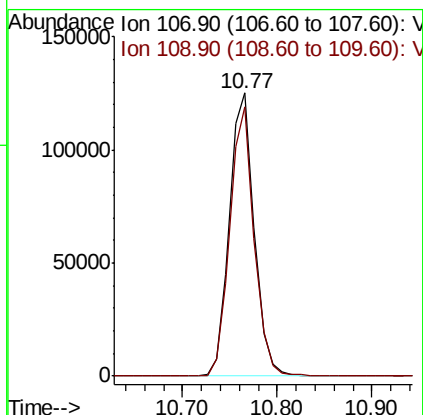
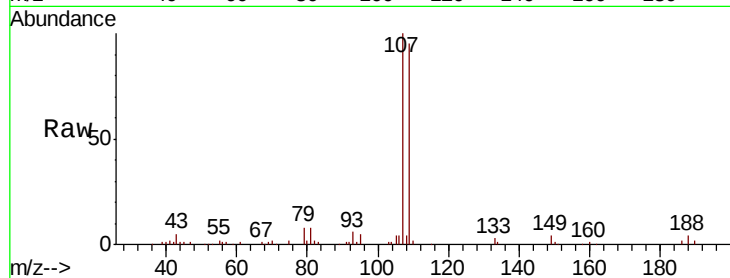




#61
 1,2-Dibromoethane
 Concen: 18.89 ug/l
 RT: 10.77 min Scan# 939
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

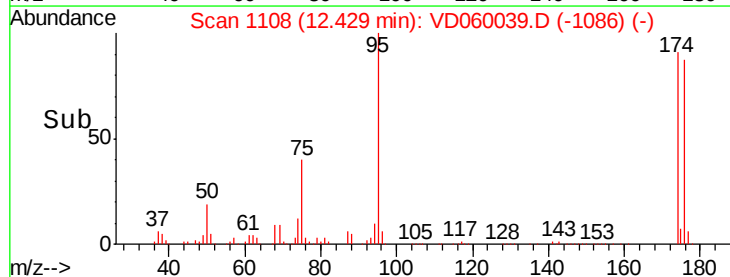
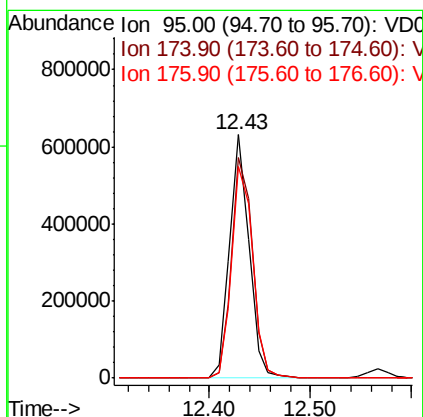
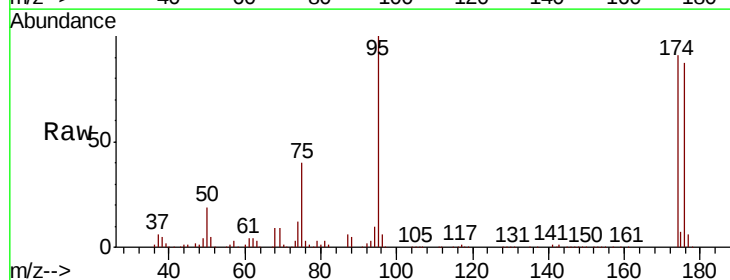
Instrument :
 MSVOA_D
 ClientSampled :

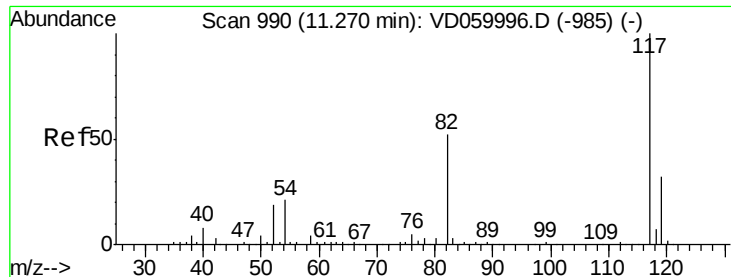
Tot Ion: 107 Resp: 226581
 Ion Ratio Lower Upper
 107 100
 109 95.1 78.2 117.2



#62
 4-Bromofluorobenzene
 Concen: 18.89 ug/l
 RT: 12.43 min Scan# 1108
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 95 Resp: 845483
 Ion Ratio Lower Upper
 95 100
 174 90.6 0.0 165.0
 176 86.8 0.0 160.2

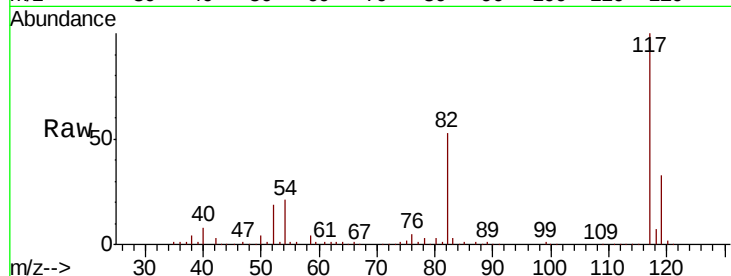




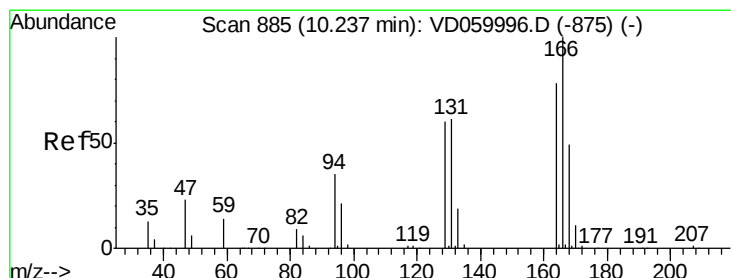
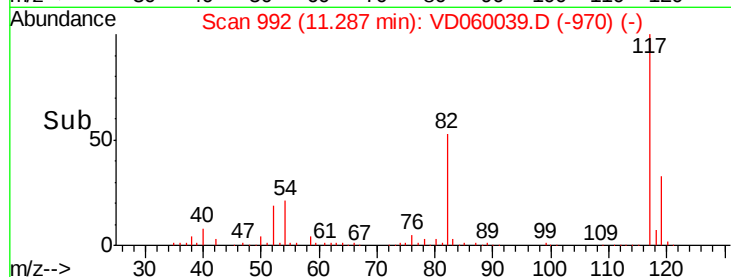
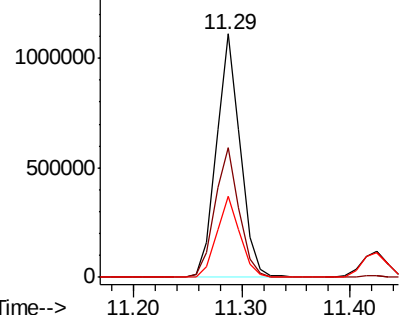
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1697695
Ion Ratio Lower Upper
117 100
82 53.3 41.7 62.5
119 33.3 26.0 39.0

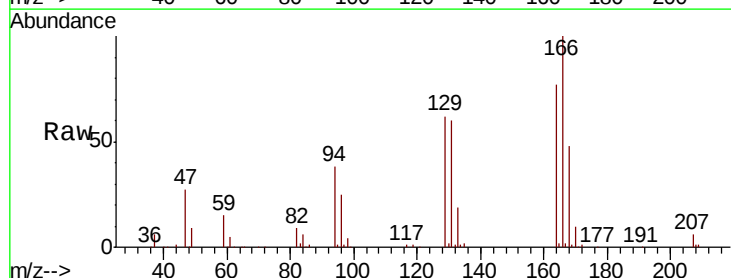


Abundance Ion 116.95 (116.65 to 117.65): V
1500000 Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

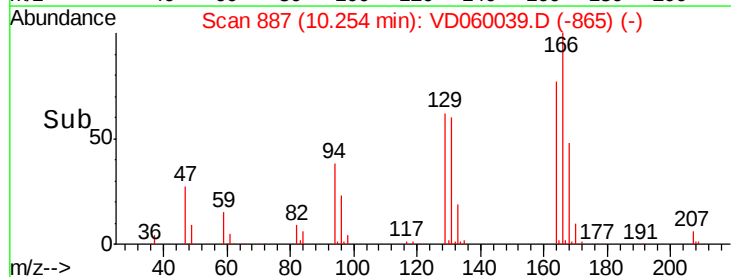
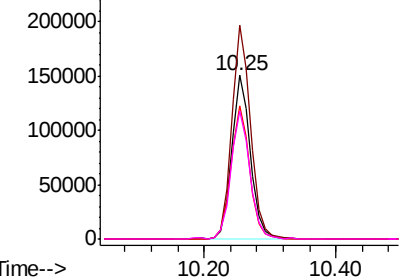


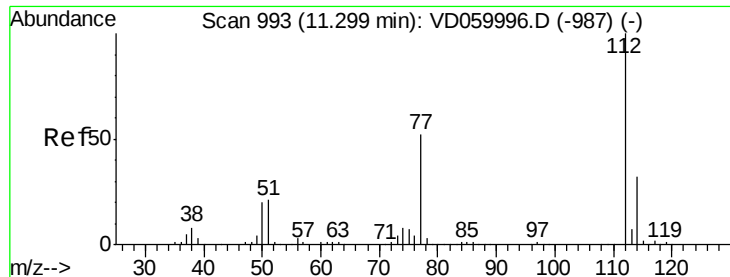
#64
Tetrachloroethene
Concen: 20.09 ug/l
RT: 10.25 min Scan# 887
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:164 Resp: 300907
Ion Ratio Lower Upper
164 100
166 130.6 103.0 154.6
129 81.6 61.9 92.9
131 78.5 62.6 93.8



Abundance Ion 163.85 (163.55 to 164.55): V
300000 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

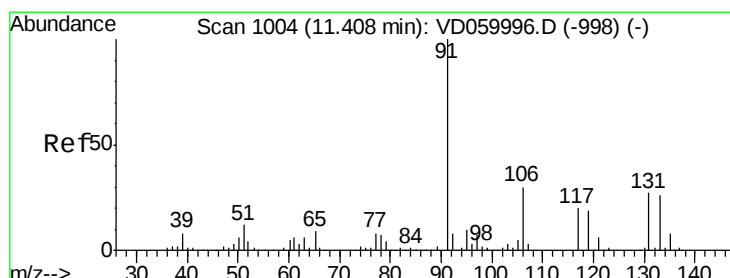
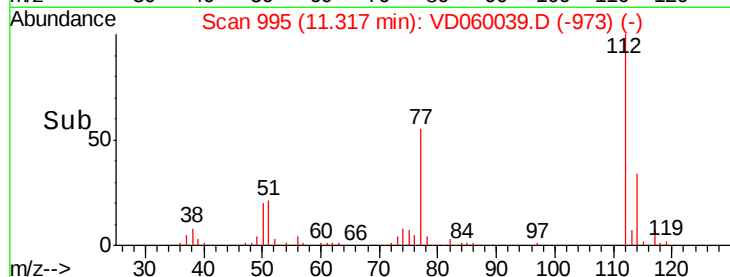
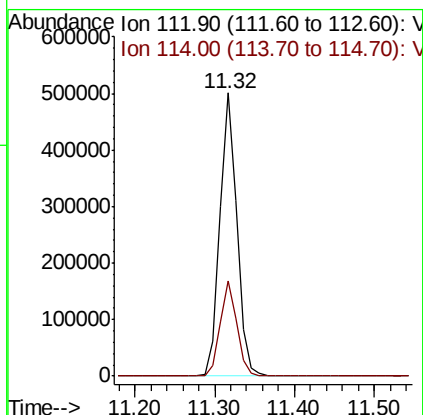
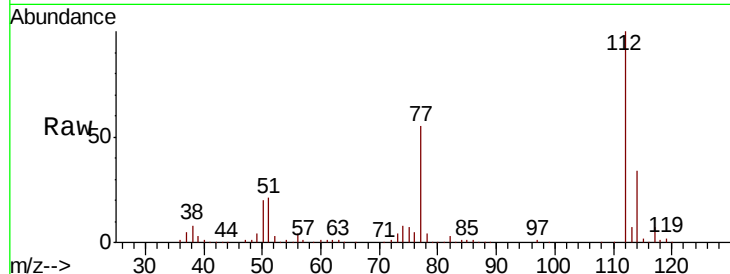




#65
Chlorobenzene
Concen: 20.82 ug/l
RT: 11.32 min Scan# 995
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

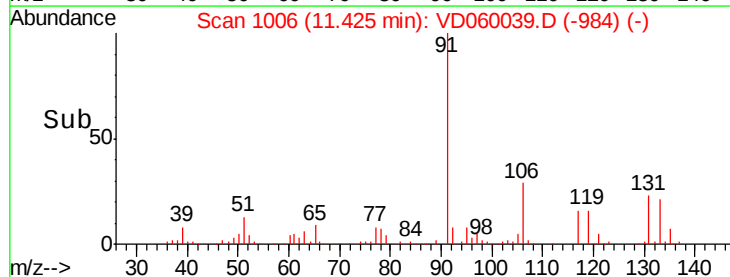
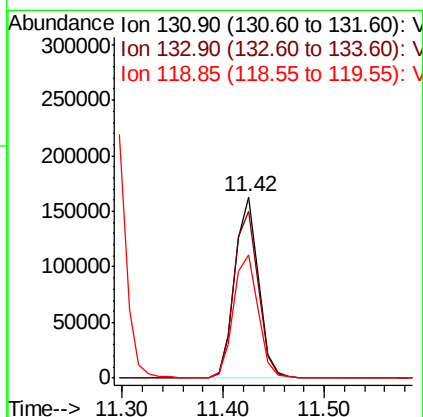
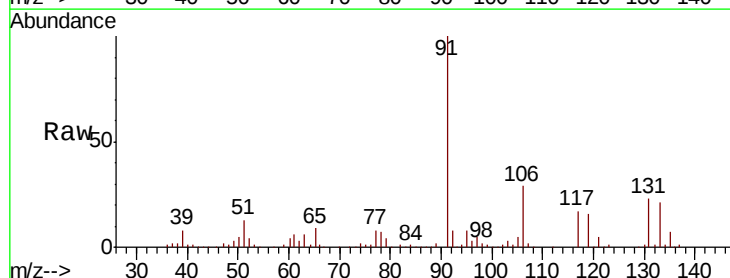
Instrument :
MSVOA_D
ClientSampled :

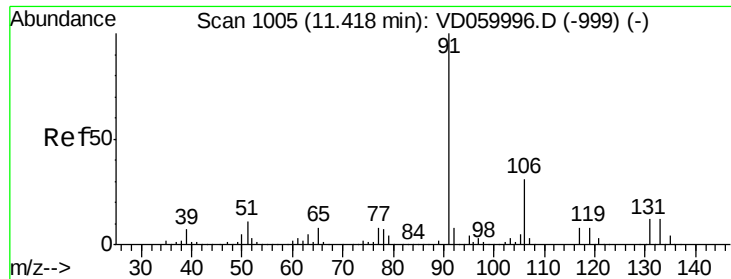
Tot Ion:112 Resp: 759920
Ion Ratio Lower Upper
112 100
114 33.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.53 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:131 Resp: 265109
Ion Ratio Lower Upper
131 100
133 92.2 47.4 142.3
119 68.3 35.6 106.9

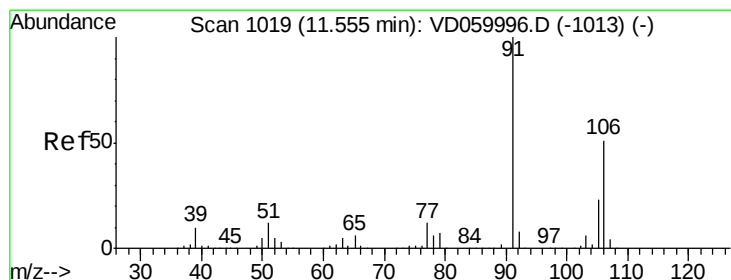
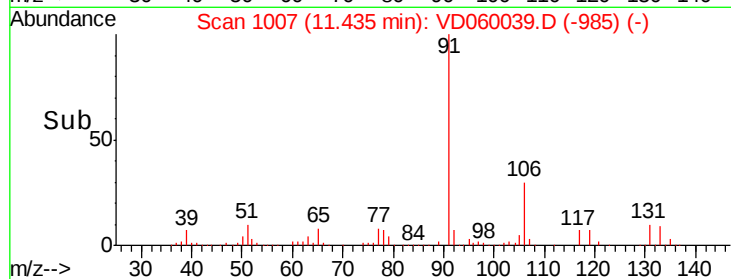
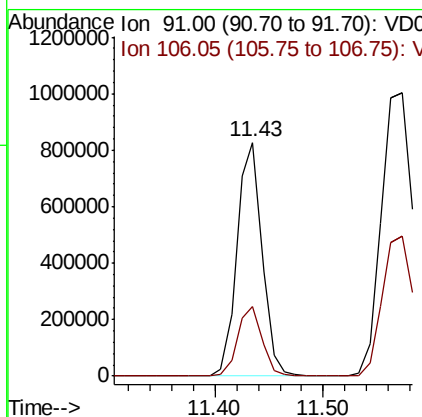
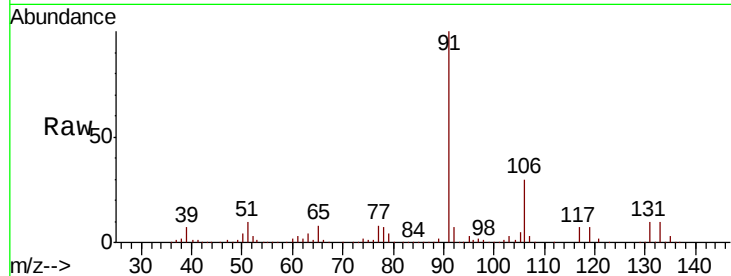




#67
Ethyl Benzene
Concen: 22.63 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

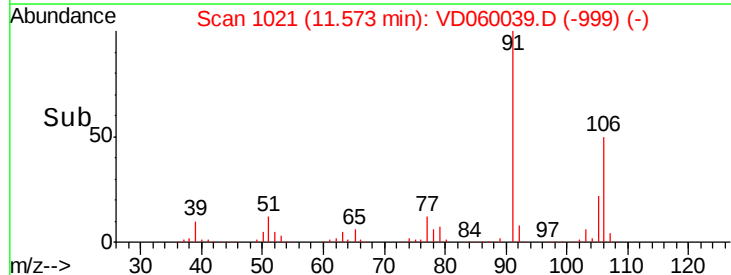
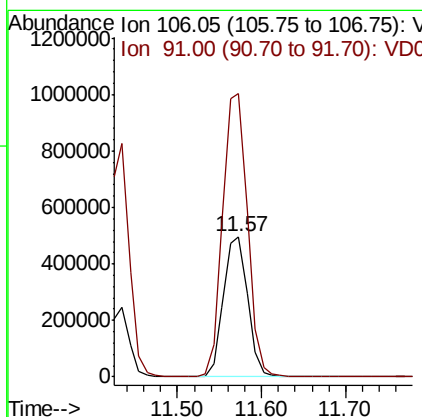
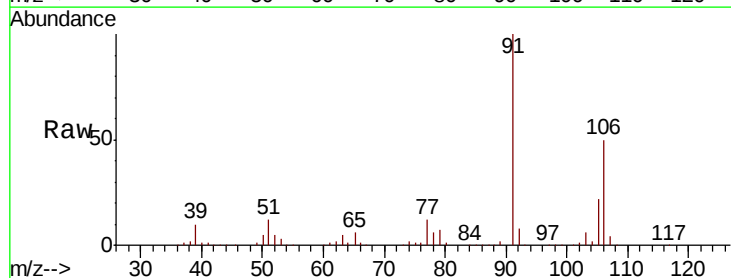
Instrument :
MSVOA_D
ClientSampleID :

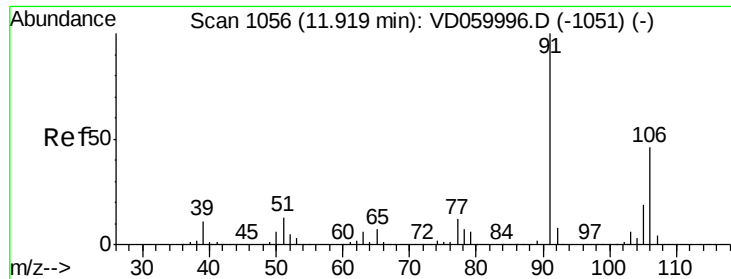
Tot Ion: 91 Resp: 1329031
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2



#68
m/p-Xylenes
Concen: 45.72 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 106 Resp: 991869
Ion Ratio Lower Upper
106 100
91 201.5 157.0 235.6

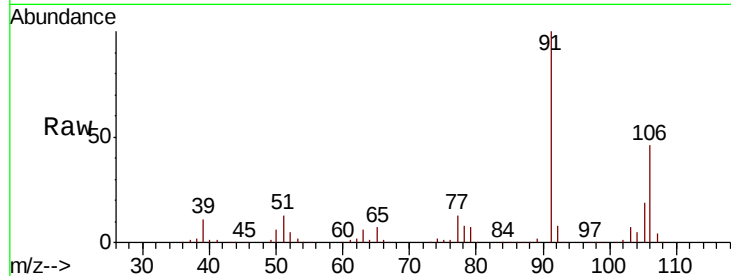




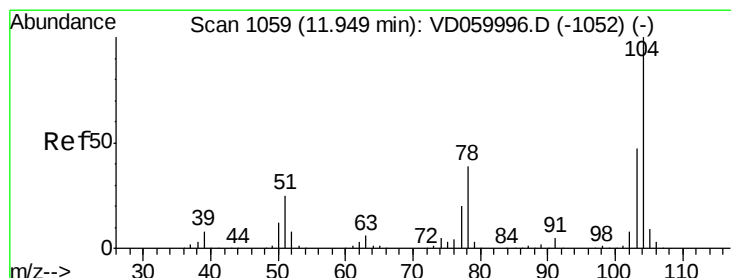
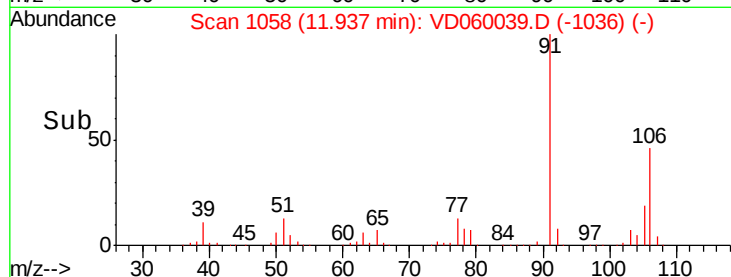
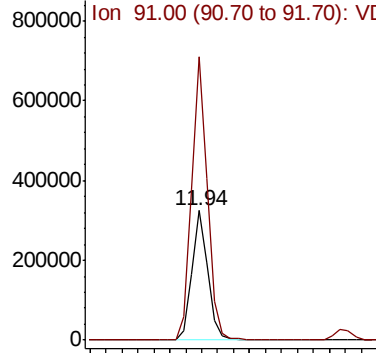
#69
o-Xylene
Concen: 21.36 ug/l
RT: 11.94 min Scan# 1058
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 459115
Ion Ratio Lower Upper
106 100
91 218.3 107.7 323.1

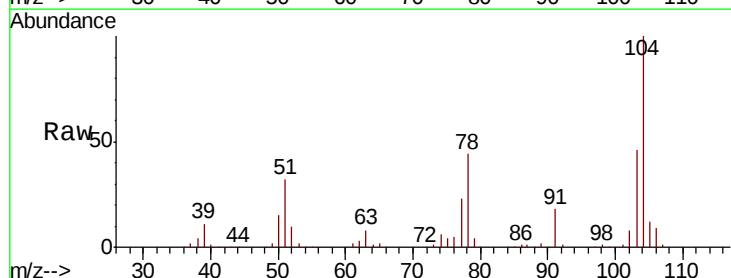


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

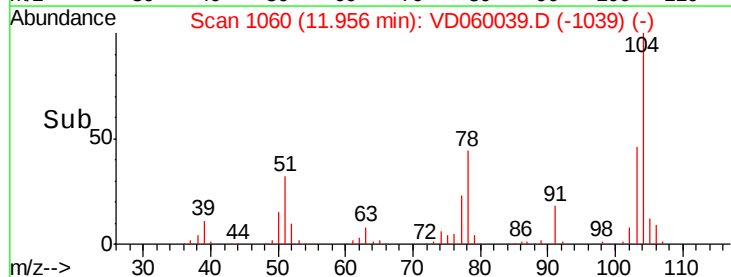
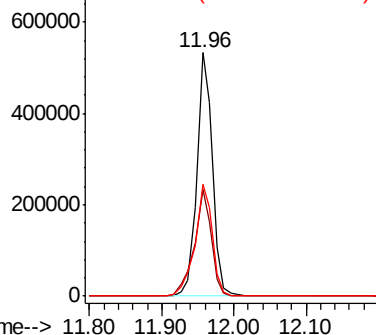


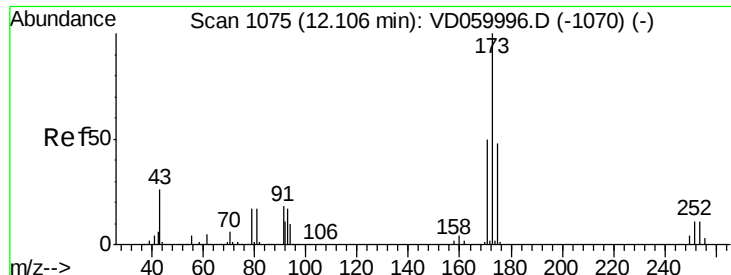
#70
Styrene
Concen: 21.80 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:104 Resp: 787879
Ion Ratio Lower Upper
104 100
78 43.6 31.0 46.4
103 46.2 37.6 56.4



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

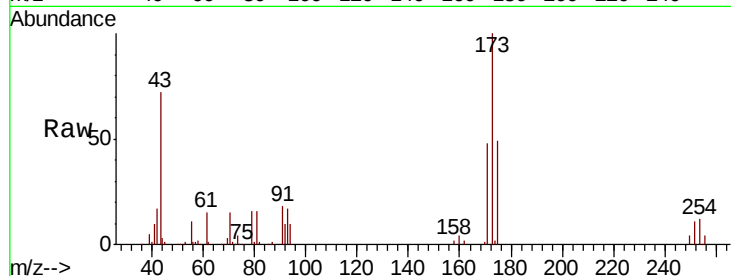




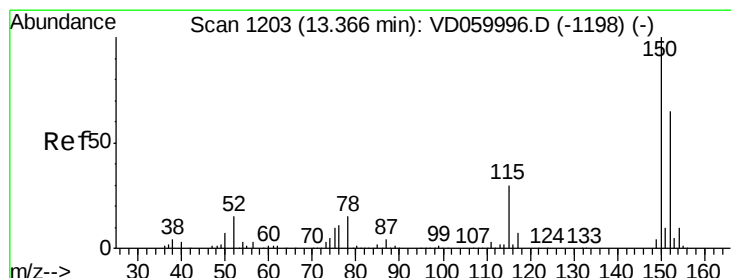
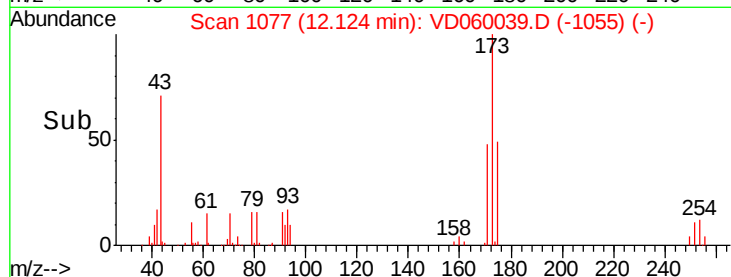
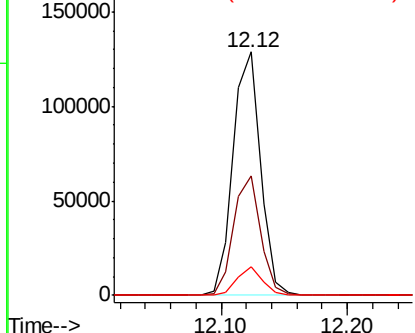
#71
Bromoform
Concen: 18.26 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 193132
Ion Ratio Lower Upper
173 100
175 49.3 24.0 72.0
254 11.7 8.6 13.0

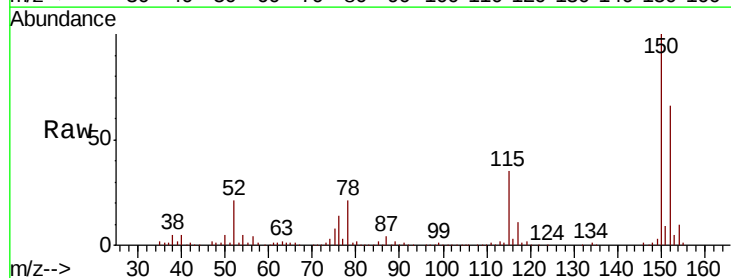


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

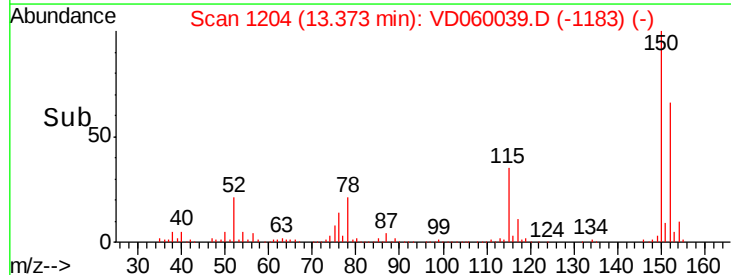
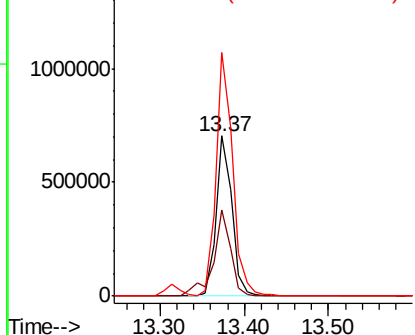


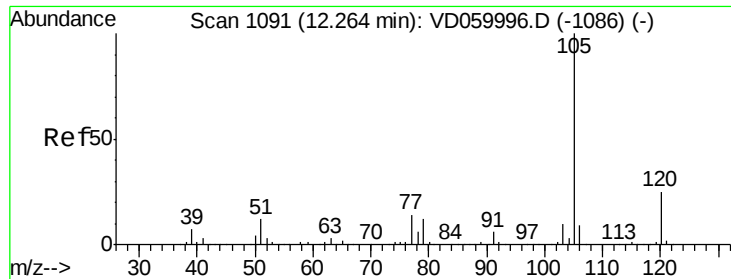
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:152 Resp: 912585
Ion Ratio Lower Upper
152 100
115 53.6 24.6 73.8
150 152.3 0.0 313.4



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





#73

Isopropylbenzene

Concen: 20.61 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

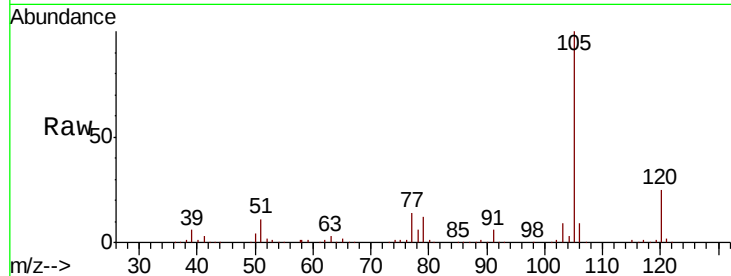
ClientSampleId :

Tot Ion:105 Resp: 1233252

Ion Ratio Lower Upper

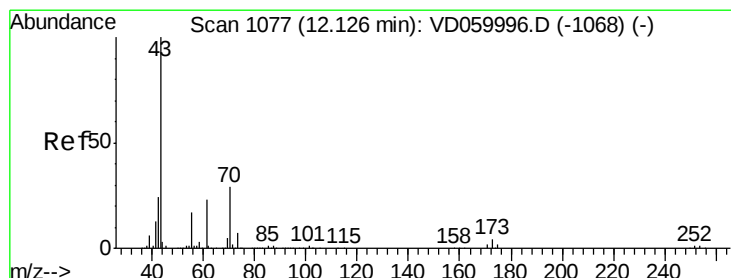
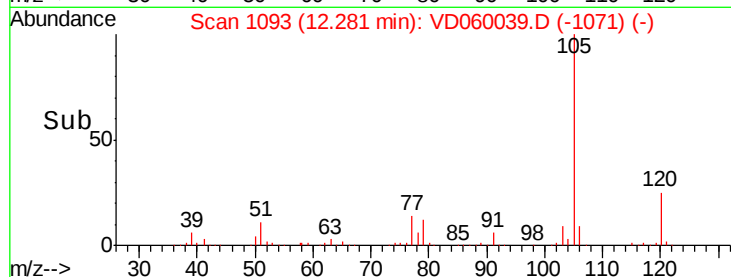
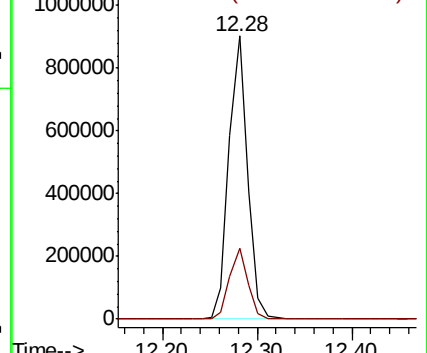
105 100

120 24.9 12.3 36.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.80 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Tgt Ion: 43 Resp: 445795

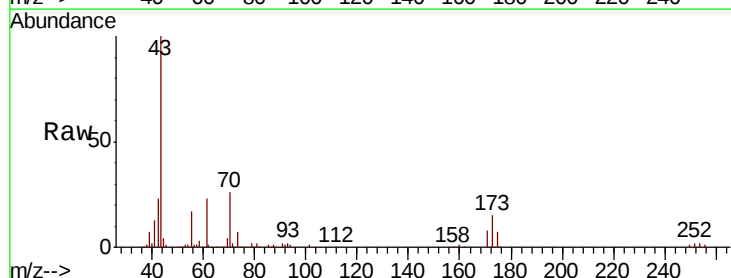
Ion Ratio Lower Upper

43 100

70 25.8 22.9 34.3

55 16.7 14.0 21.0

61 22.9 18.7 28.1

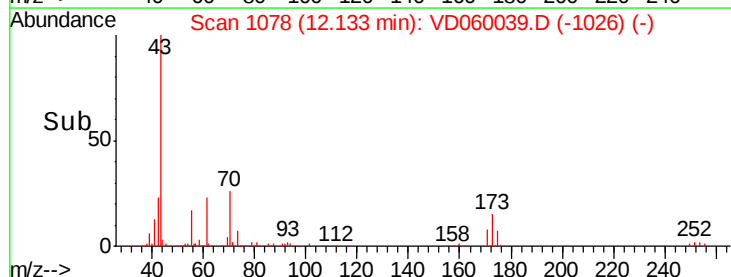
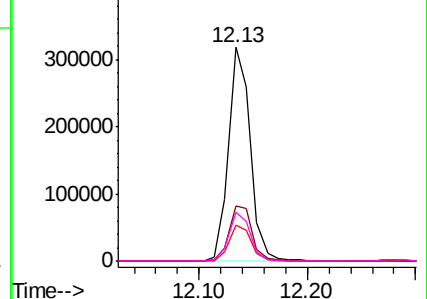


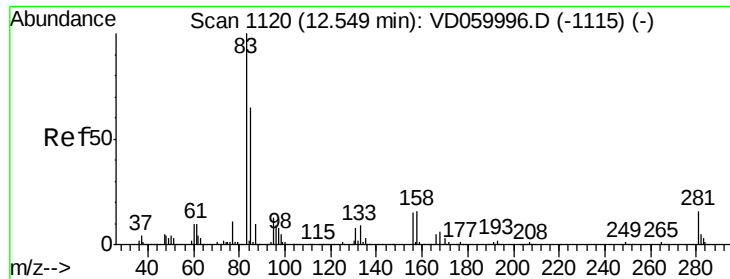
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.49 ug/l

RT: 12.57 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

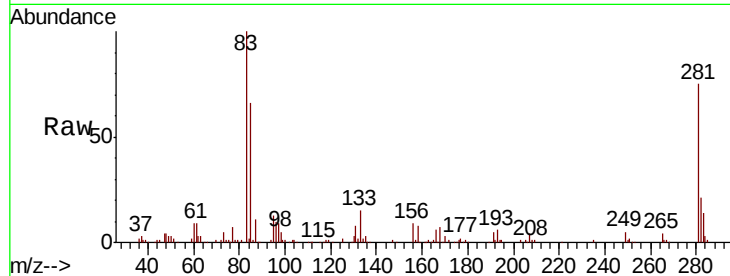
Tot Ion: 83 Resp: 264641

Ion Ratio Lower Upper

83 100

131 8.5 4.1 12.3

85 66.1 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

250000

200000

150000

100000

50000

0

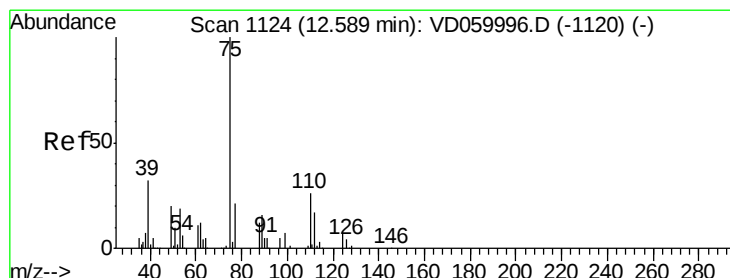
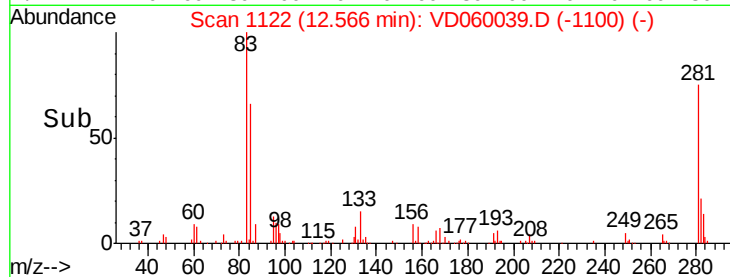
12.50

12.57

12.60

12.70

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.07 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD060039.D

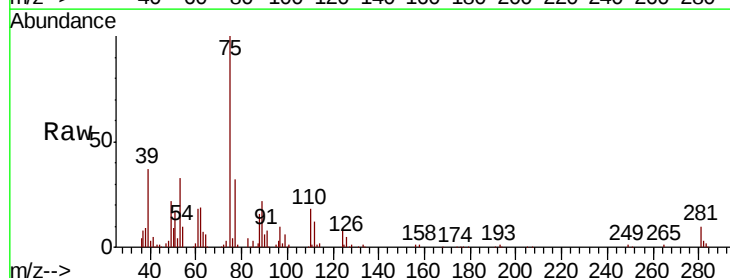
Acq: 19 Sep 2018 12:31

Tgt Ion: 75 Resp: 265794

Ion Ratio Lower Upper

75 100

77 32.2 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

300000

200000

100000

0

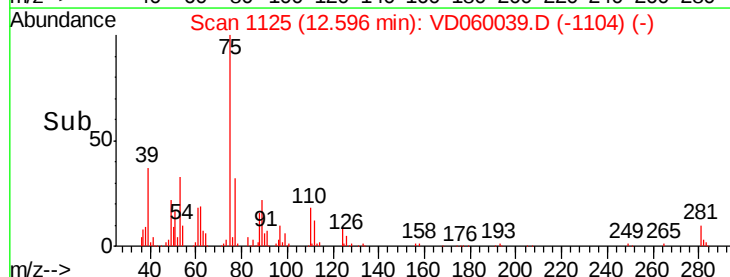
12.55

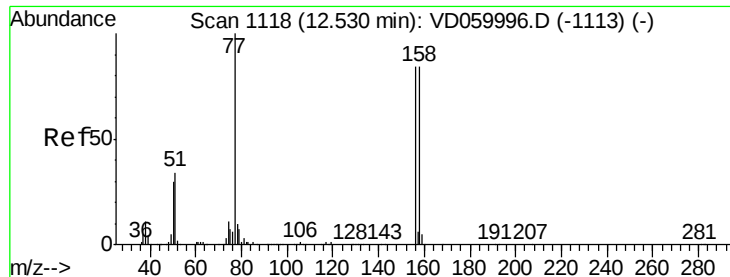
12.60

12.65

12.70

Time-->

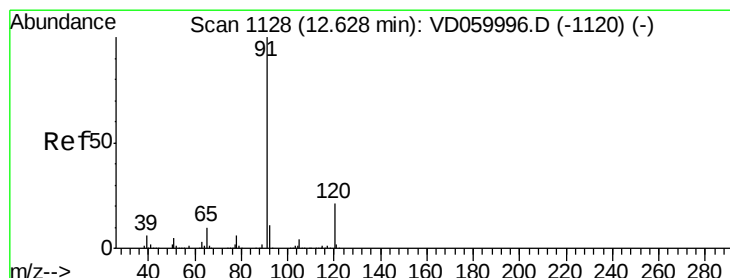
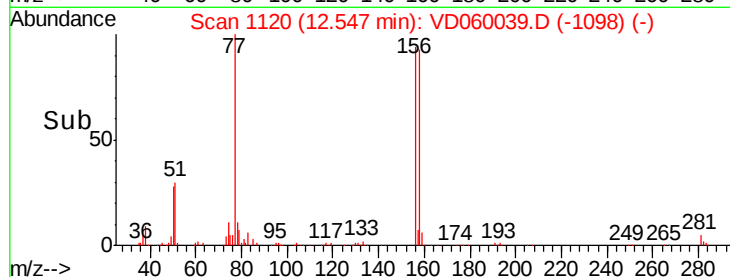
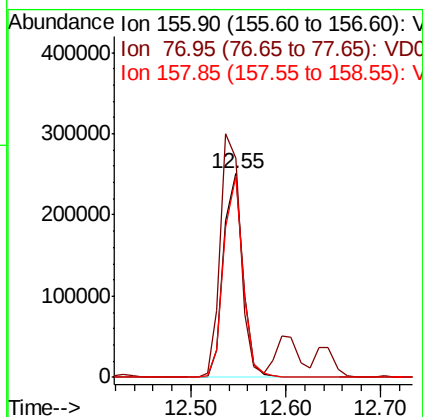
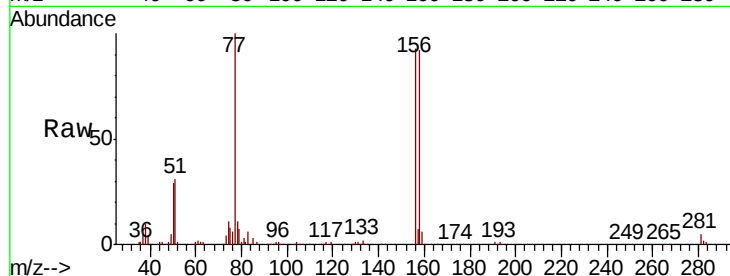




#77
Bromobenzene
Concen: 20.62 ug/l
RT: 12.55 min Scan# 1120
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

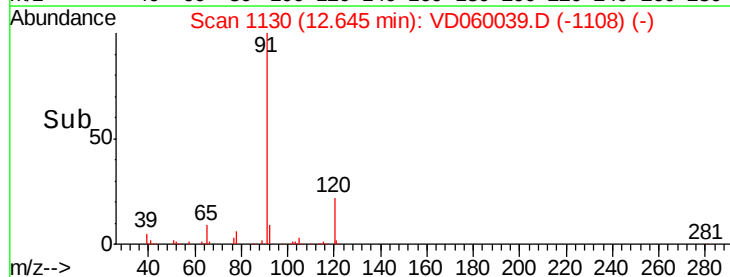
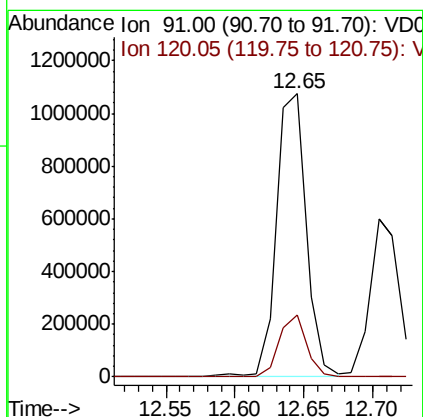
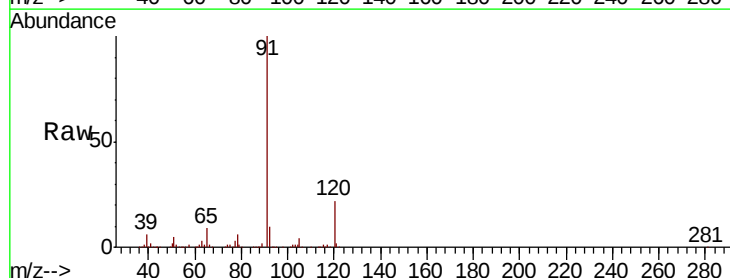
Instrument :
MSVOA_D
ClientSampleId :

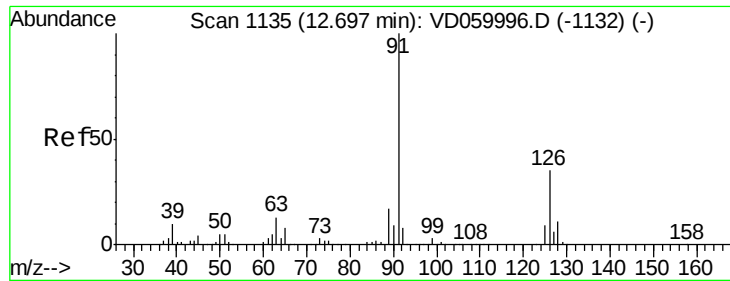
Tot Ion:156 Resp: 355580
Ion Ratio Lower Upper
156 100
77 108.0 59.5 178.4
158 99.1 50.0 149.8



#78
n-propylbenzene
Concen: 21.26 ug/l
RT: 12.65 min Scan# 1130
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 91 Resp: 1600000
Ion Ratio Lower Upper
91 100
120 21.8 10.7 31.9

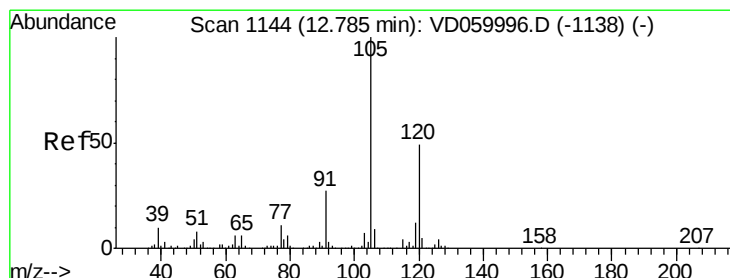
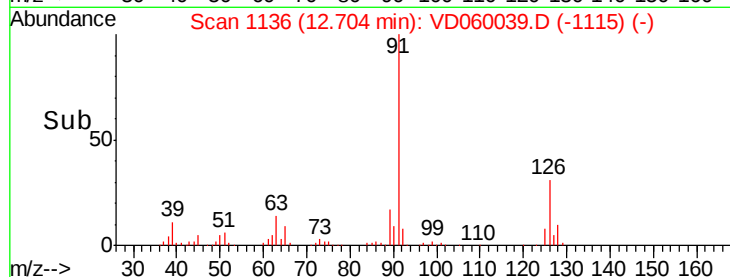
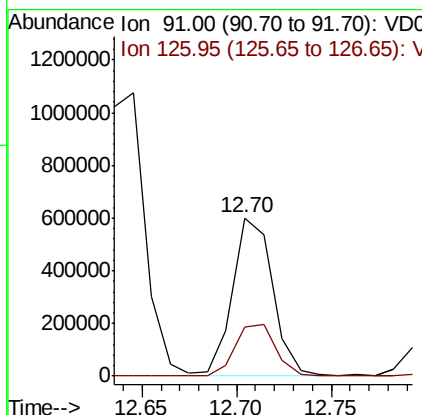
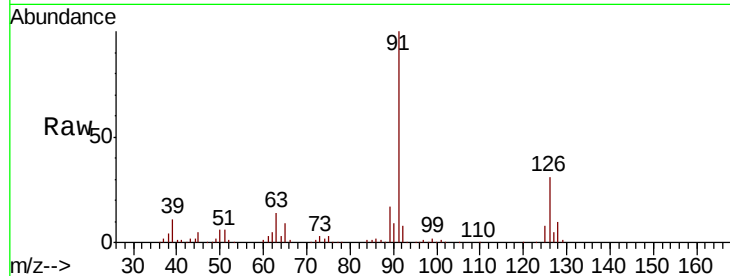




#79
 2-Chlorotoluene
 Concen: 20.67 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

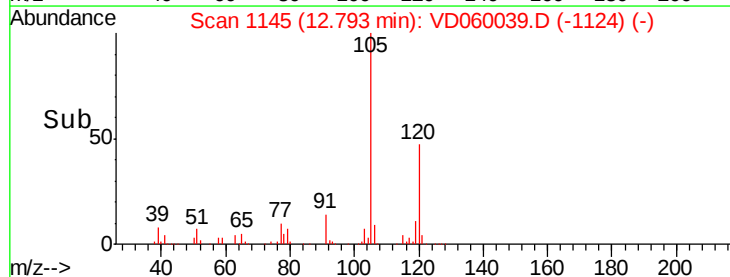
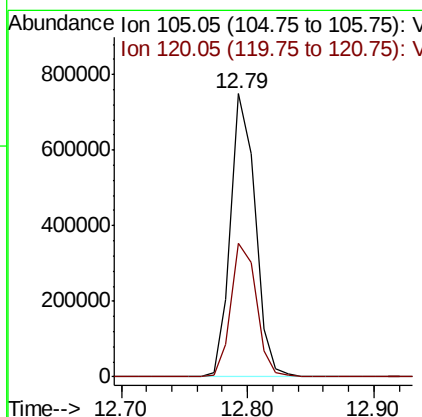
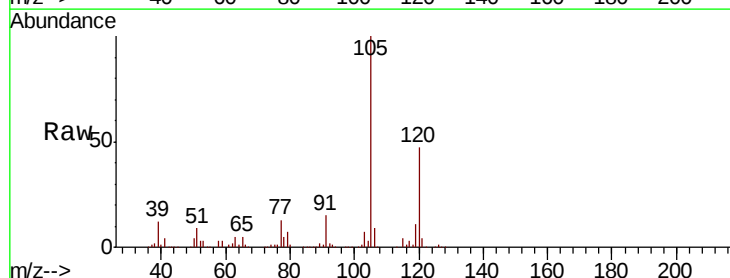
Instrument :
 MSVOA_D
 ClientSampleId :

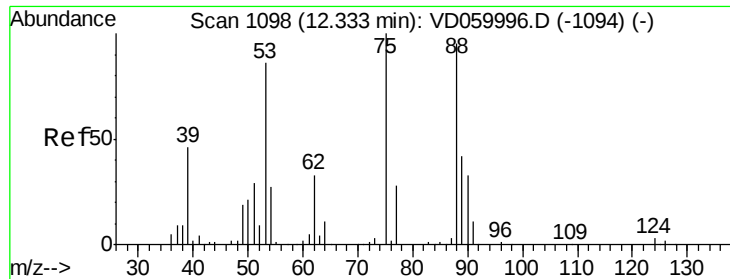
Tot Ion: 91 Resp: 877931
 Ion Ratio Lower Upper
 91 100
 126 31.3 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 22.08 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion:105 Resp: 1012752
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.72 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

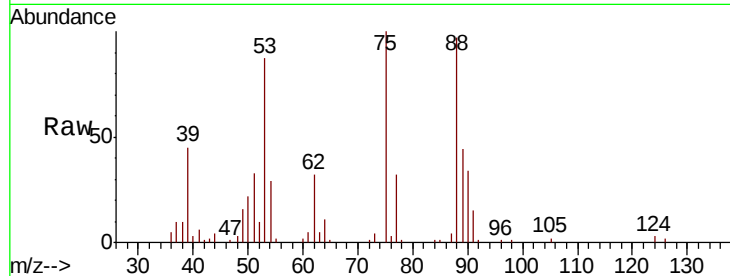
Tot Ion: 75 Resp: 74539

Ion Ratio Lower Upper

75 100

53 86.5 68.4 102.6

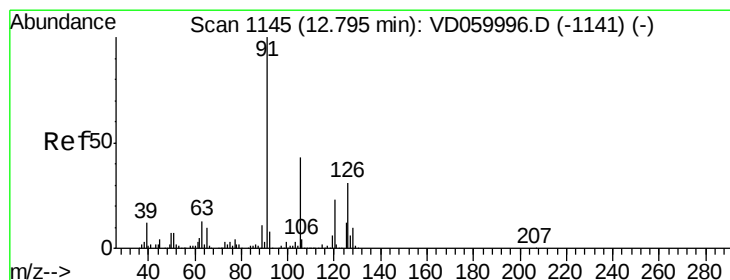
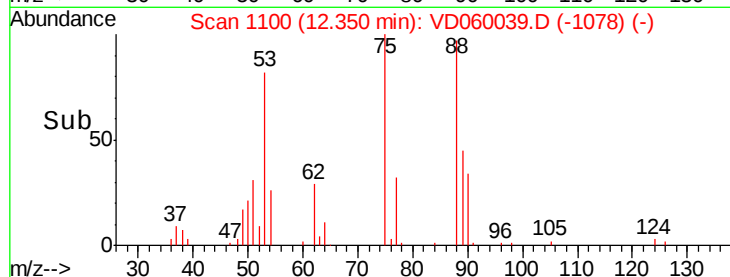
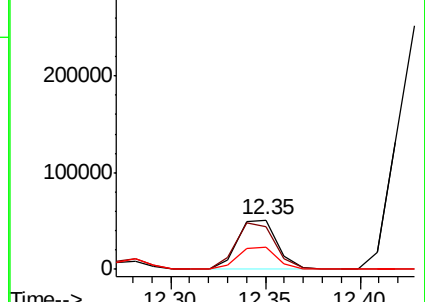
89 44.1 33.8 50.6



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: 21.84 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.02 min

Lab File: VD060039.D

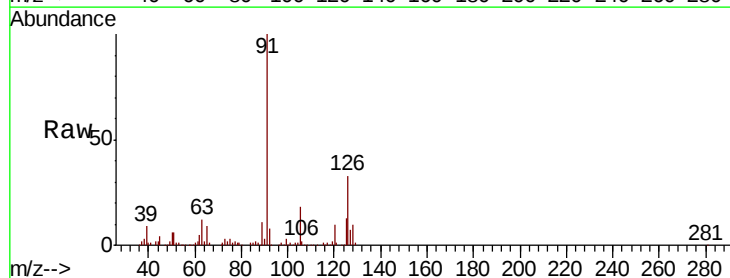
Acq: 19 Sep 2018 12:31

Tgt Ion: 91 Resp: 1019895

Ion Ratio Lower Upper

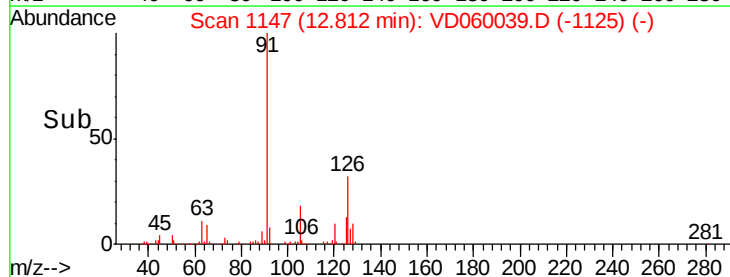
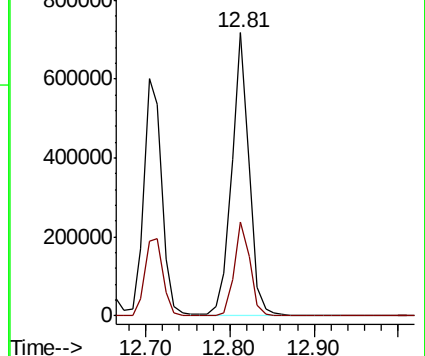
91 100

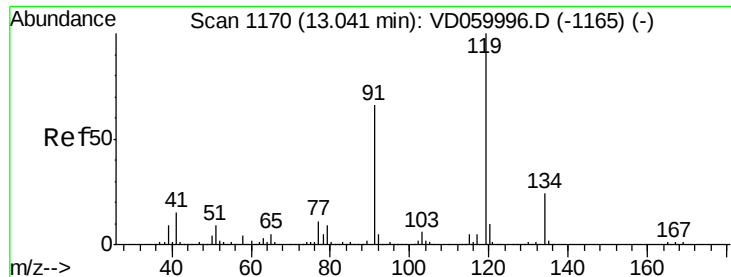
126 33.0 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

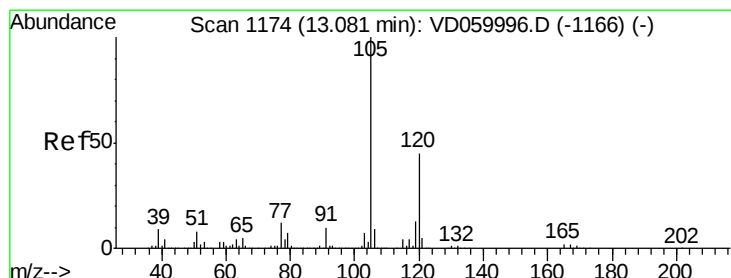
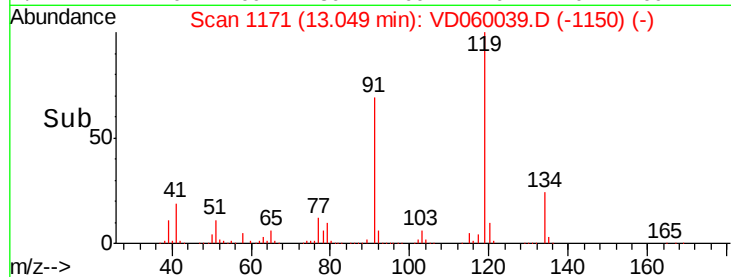
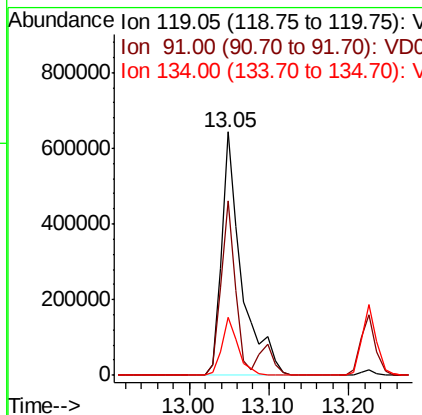
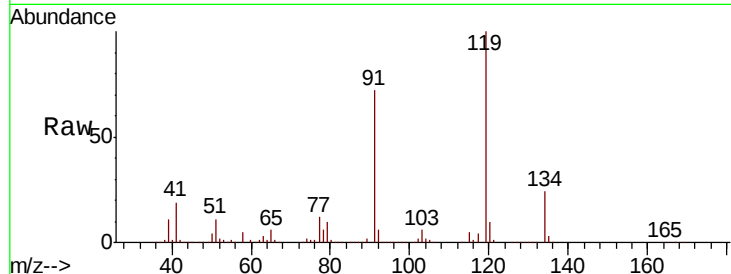




#83
 tert-Butylbenzene
 Concen: 21.36 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

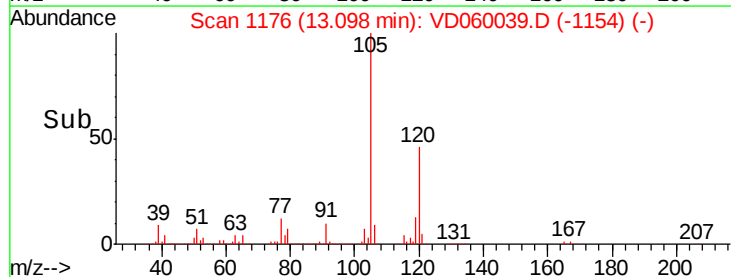
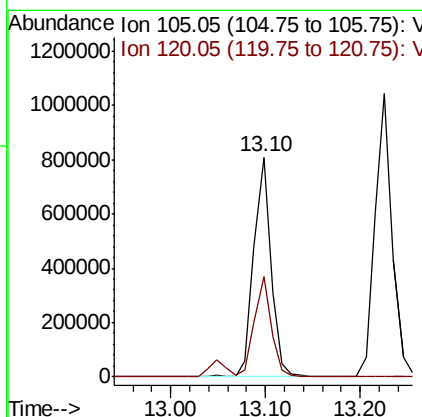
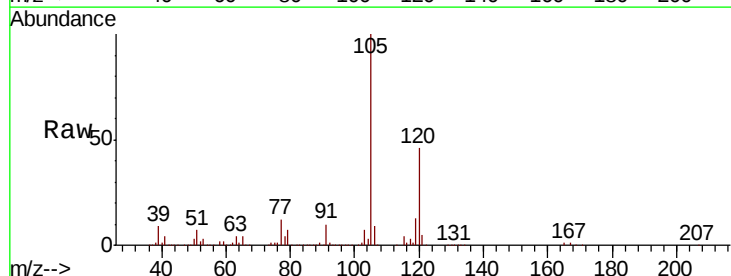
Instrument :
 MSVOA_D
 ClientSampleId :

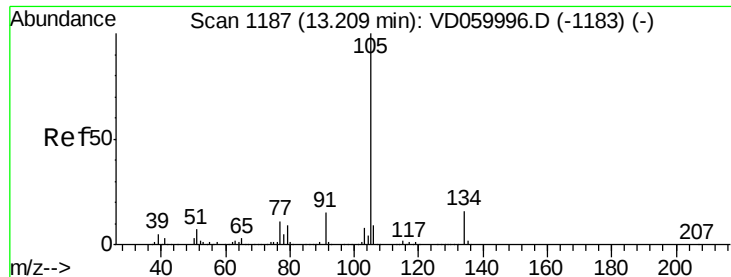
Tot Ion:119 Resp: 1135108
 Ion Ratio Lower Upper
 119 100
 91 71.6 32.9 98.6
 134 23.8 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.89 ug/l
 RT: 13.10 min Scan# 1176
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion:105 Resp: 1022892
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.13 ug/l

RT: 13.23 min Scan# 1189

Delta R.T. 0.02 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

Instrument :

MSVOA_D

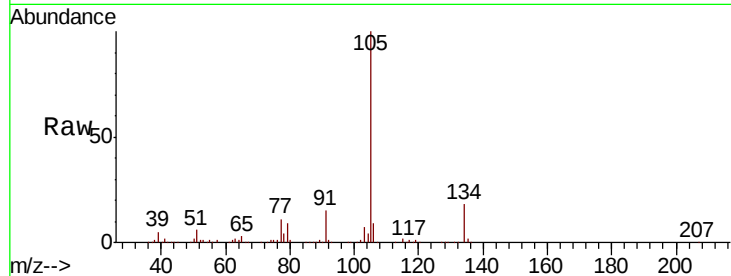
ClientSampleId :

Tot Ion:105 Resp: 1332832

Ion Ratio Lower Upper

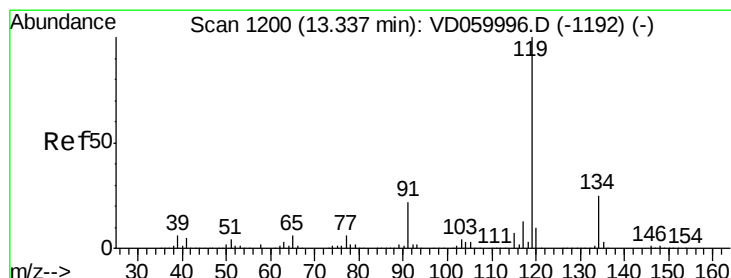
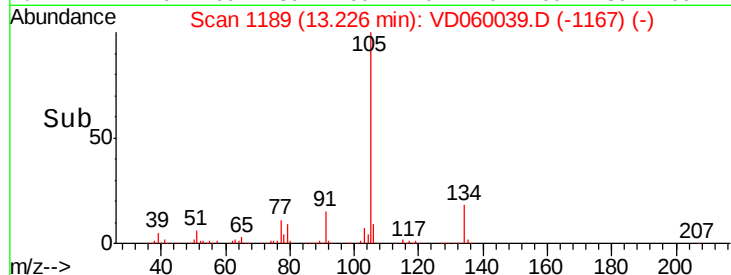
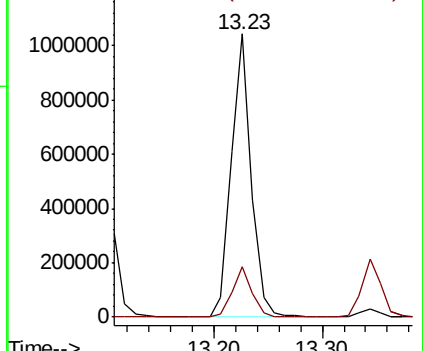
105 100

134 17.9 8.2 24.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 21.21 ug/l

RT: 13.34 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD060039.D

Acq: 19 Sep 2018 12:31

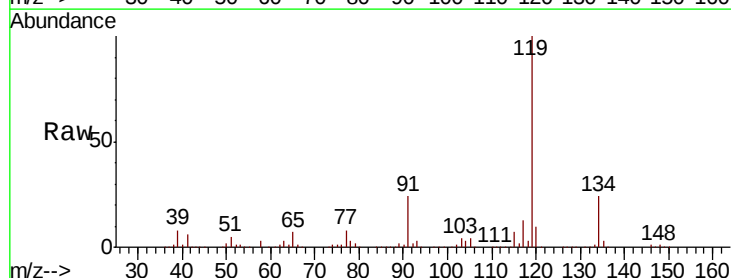
Tgt Ion:119 Resp: 1082253

Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

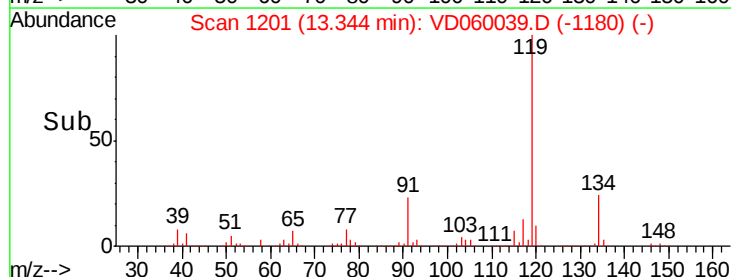
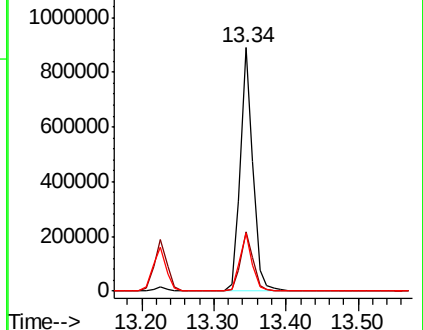
91 23.7 11.1 33.3

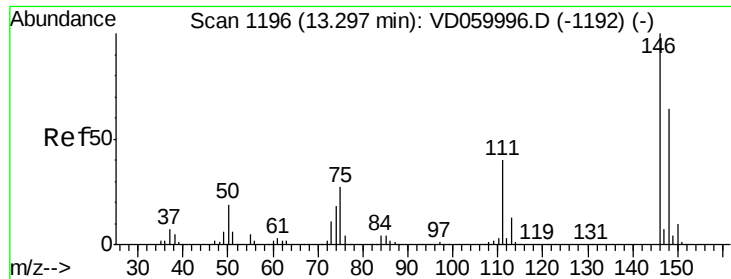


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

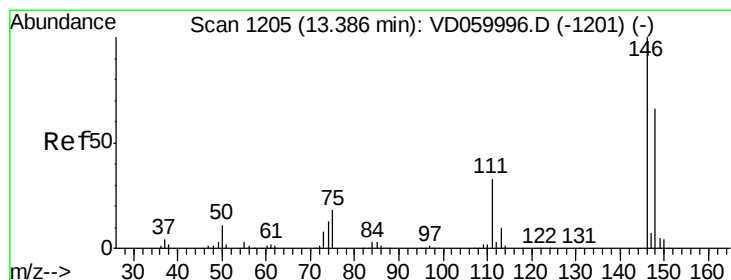
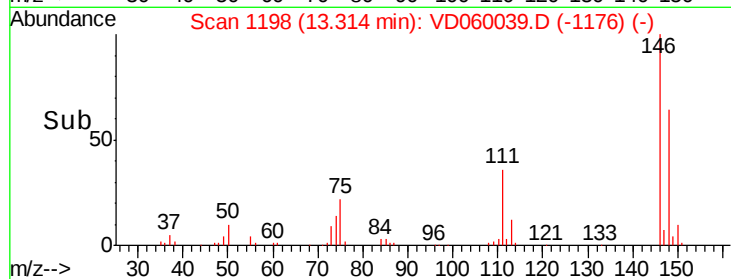
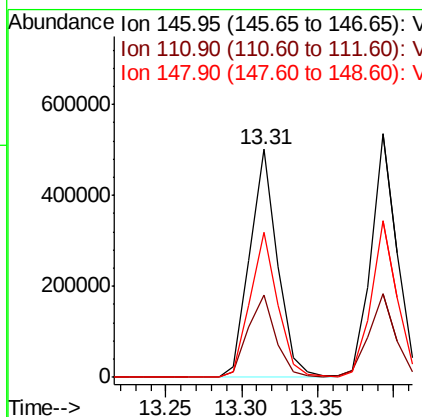
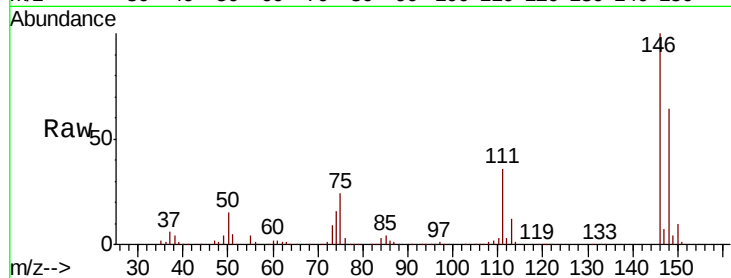




#87
 1,3-Dichlorobenzene
 Concen: 21.43 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

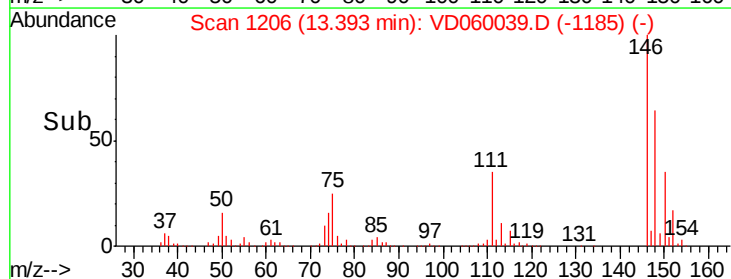
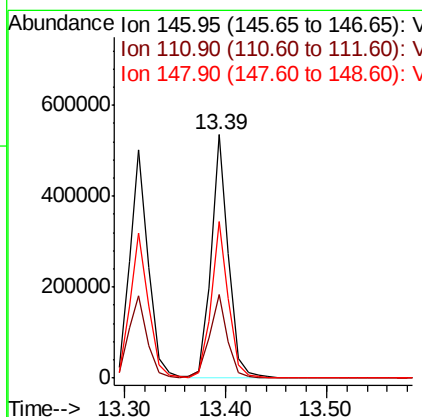
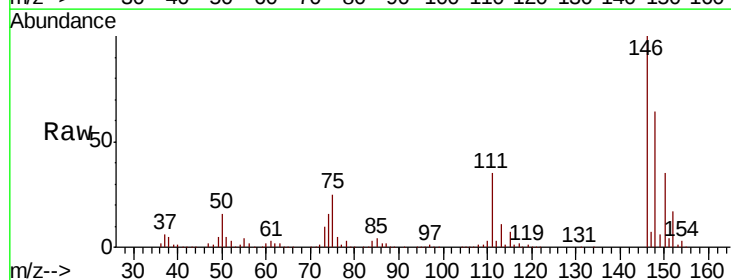
Instrument :
 MSVOA_D
 ClientSampleId :

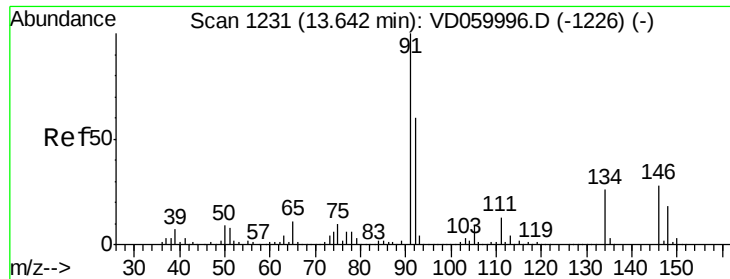
Tot Ion:146 Resp: 642404
 Ion Ratio Lower Upper
 146 100
 111 36.3 20.2 60.5
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.13 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion:146 Resp: 642677
 Ion Ratio Lower Upper
 146 100
 111 34.5 16.7 50.0
 148 64.4 32.9 98.6

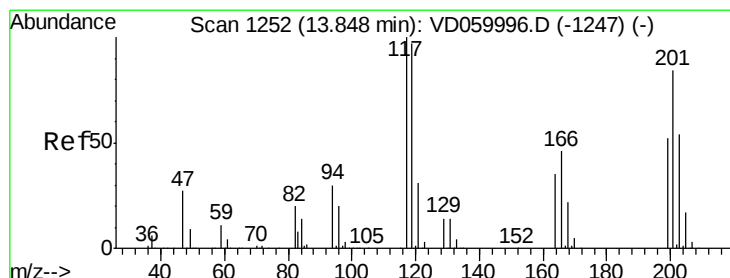
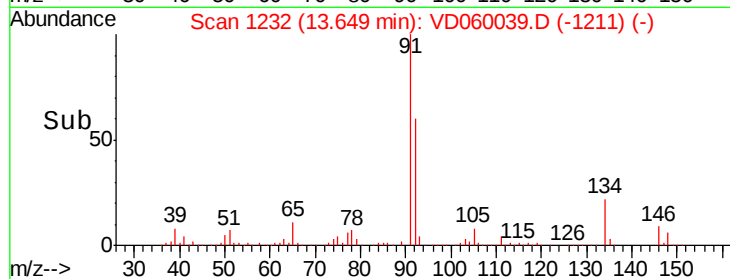
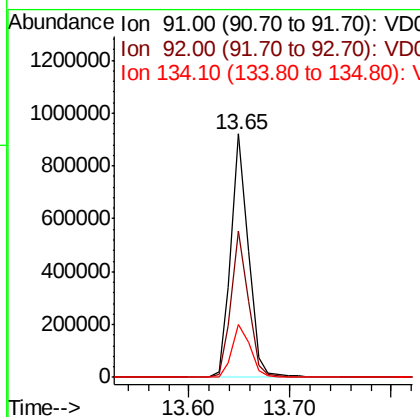
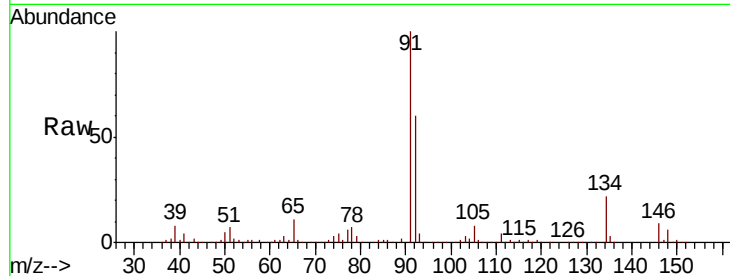




#89
n-Butylbenzene
Concen: 19.99 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

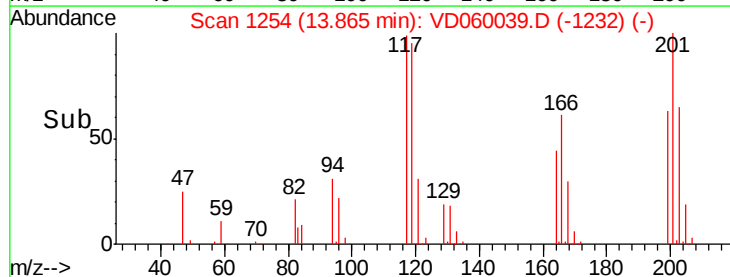
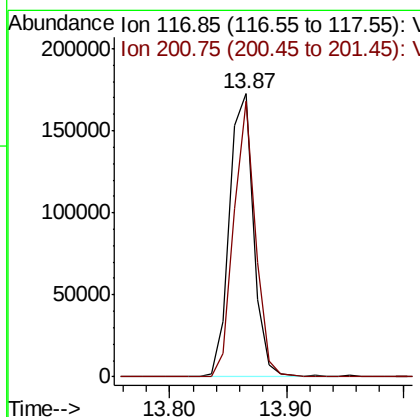
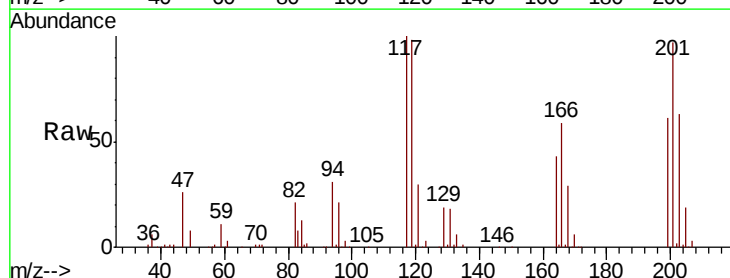
Instrument :
MSVOA_D
ClientSampleId :

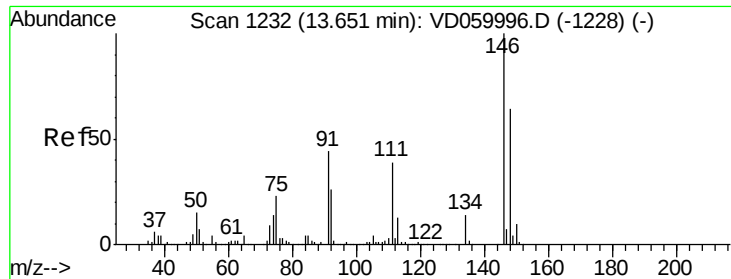
Tot Ion: 91 Resp: 1106644
Ion Ratio Lower Upper
91 100
92 60.3 29.8 89.3
134 22.0 13.2 39.6



#90
Hexachloroethane
Concen: 19.69 ug/l
RT: 13.87 min Scan# 1254
Delta R.T. 0.02 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion: 117 Resp: 248776
Ion Ratio Lower Upper
117 100
201 97.2 42.1 126.4

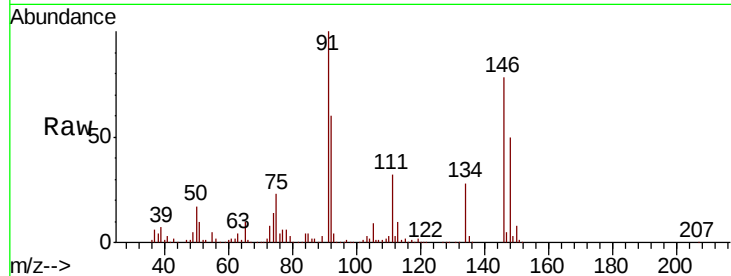




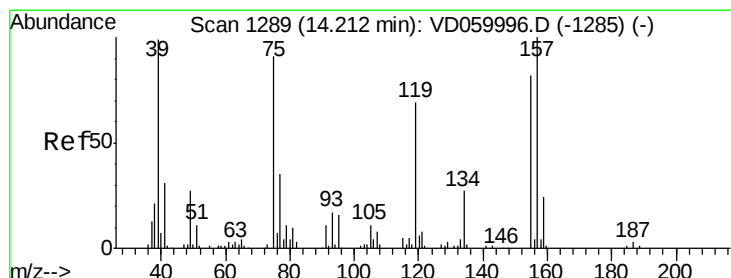
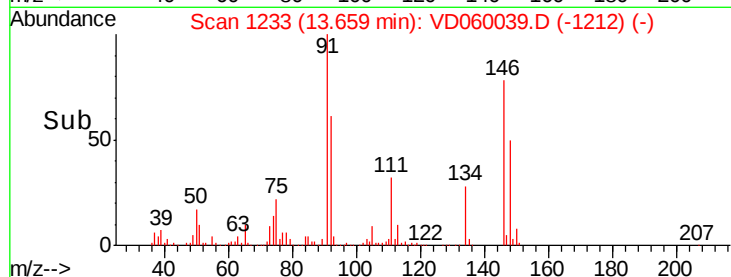
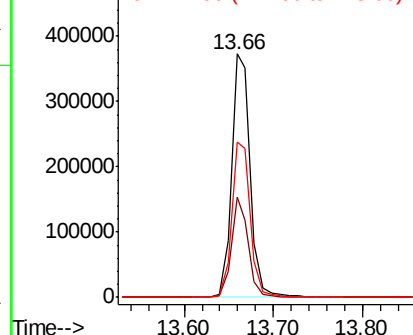
#91
 1,2-Dichlorobenzene
 Concen: 19.65 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 547881
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.6 58.7
 148 63.8 31.9 95.7

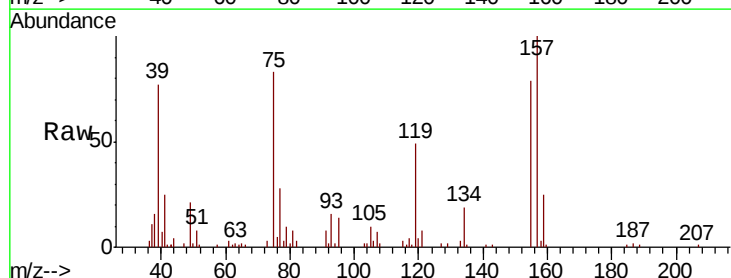


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

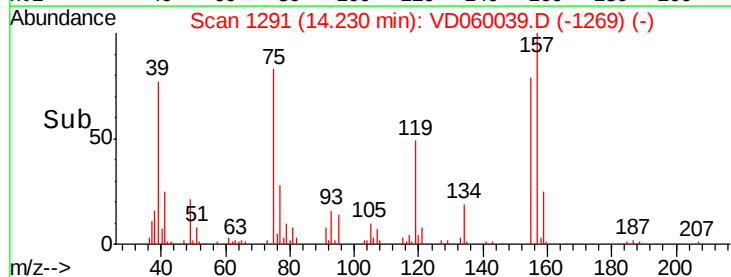
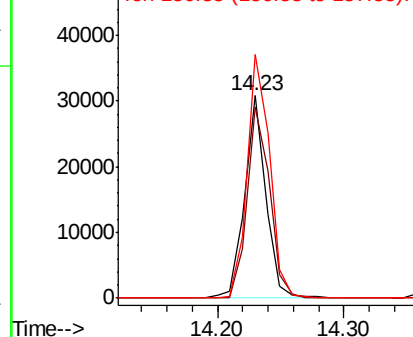


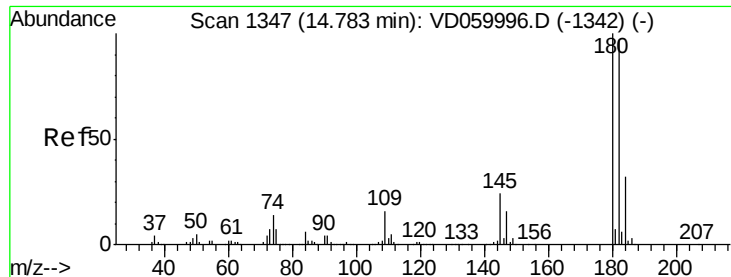
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.12 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. 0.02 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion: 75 Resp: 35431
 Ion Ratio Lower Upper
 75 100
 155 94.7 44.7 134.1
 157 120.5 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

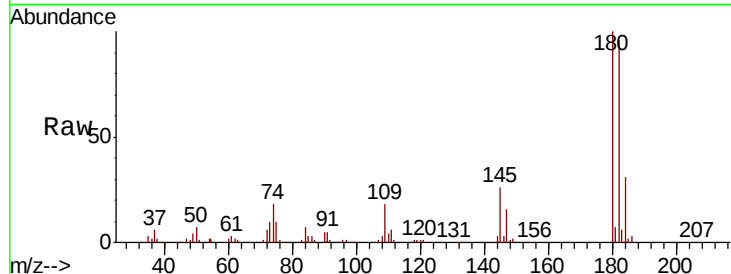




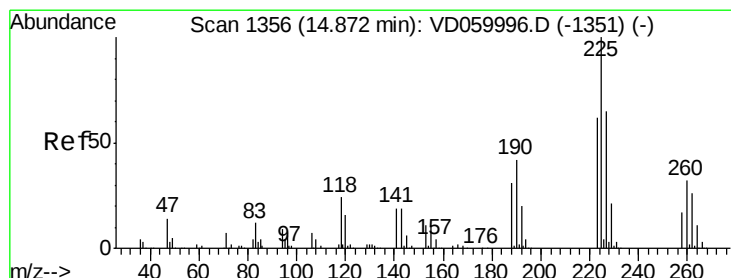
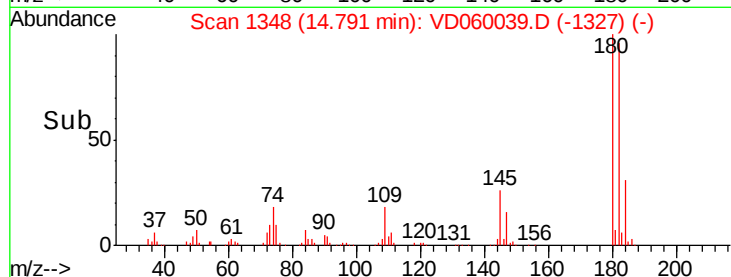
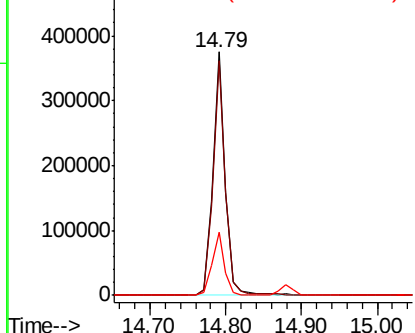
#93
 1,2,4-Trichlorobenzene
 Concen: 20.31 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 433932
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.5 145.6
 145 26.1 11.9 35.7

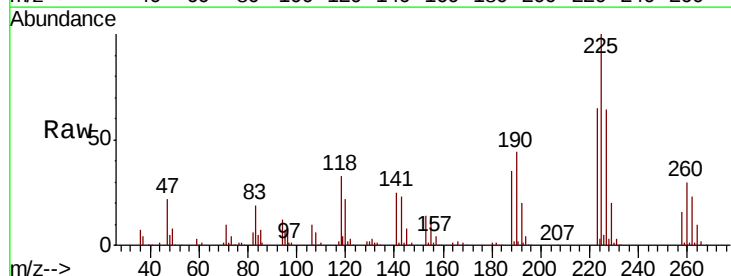


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

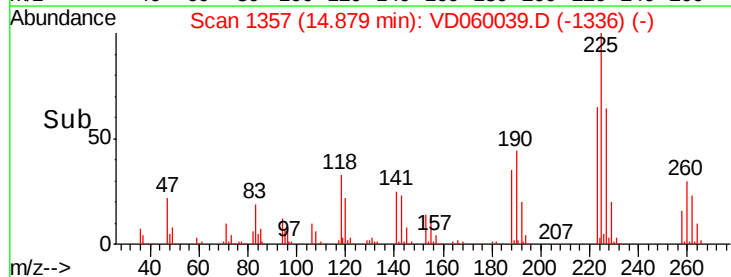
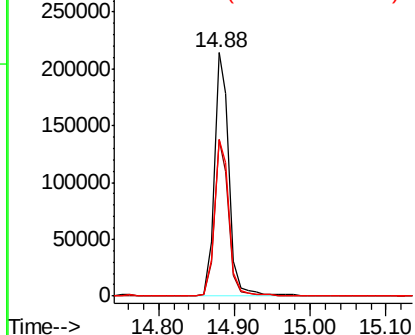


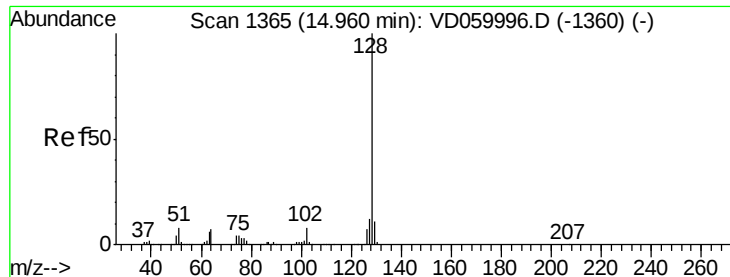
#94
 Hexachlorobutadiene
 Concen: 20.79 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD060039.D
 Acq: 19 Sep 2018 12:31

Tgt Ion:225 Resp: 293828
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.2 93.6
 227 64.4 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

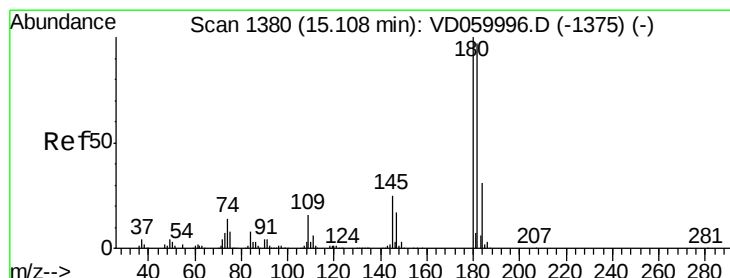
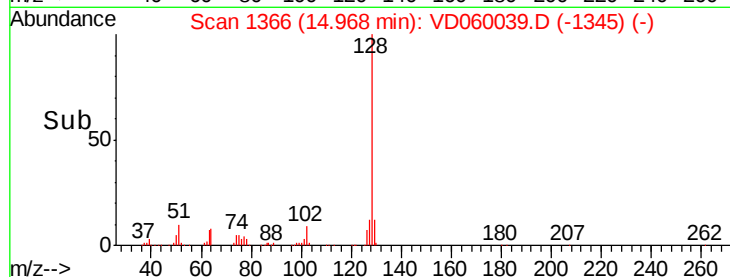
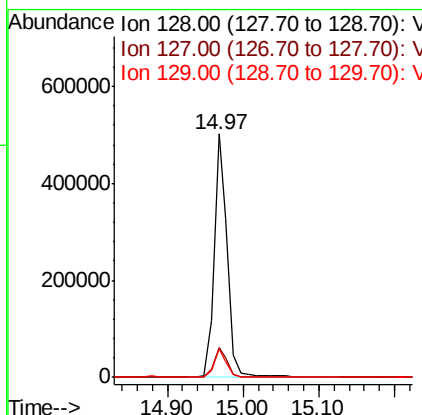
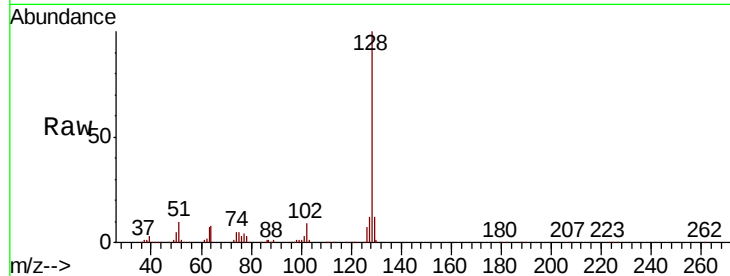




#95
Naphthalene
Concen: 18.66 ug/l
RT: 14.97 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 615741
Ion Ratio Lower Upper
128 100
127 12.5 9.7 14.5
129 11.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.24 ug/l
RT: 15.12 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060039.D
Acq: 19 Sep 2018 12:31

Tgt Ion:180 Resp: 362283
Ion Ratio Lower Upper
180 100
182 95.0 48.6 145.9
145 28.7 12.7 38.1

