

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091318\
 Data File : VD059997.D
 Acq On : 13 Sep 2018 15:03
 Operator : JC/SY
 Sample : VSTDCC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 13 15:47:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 15:36:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1668958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2278718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1973420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	1008488	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	1188995	86.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.14%	
35) Dibromofluoromethane	6.31	113	1757717	98.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.66%	
50) Toluene-d8	9.45	98	4578918	93.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.66%	
62) 4-Bromofluorobenzene	12.42	95	1738721	87.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	1616442	103.418	ug/l	100
3) Chloromethane	1.74	50	1502828	108.632	ug/l	96
4) Vinyl Chloride	1.84	62	1252963	114.911	ug/l	99
5) Bromomethane	2.12	94	92635	48.571	ug/l	99
6) Chloroethane	2.22	64	254001	75.792	ug/l	96
7) Trichlorofluoromethane	2.48	101	1331219	104.544	ug/l	100
8) Diethyl Ether	2.80	74	294707	105.078	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.07	101	851684	108.854	ug/l	98
10) Methyl Iodide	3.22	142	1079820	149.275	ug/l	98
11) Tert butyl alcohol	3.95	59	493147	465.892	ug/l	100
12) 1,1-Dichloroethene	3.05	96	676898	111.195	ug/l	99
13) Acrolein	2.96	56	301694	628.798	ug/l	99
14) Allyl chloride	3.51	41	1424637	105.132	ug/l	97
15) Acrylonitrile	4.06	53	1865304	466.129	ug/l	100
16) Acetone	3.14	43	1075976	425.579	ug/l	99
17) Carbon Disulfide	3.29	76	2392175	124.212	ug/l	100
18) Methyl Acetate	3.53	43	488679	92.091	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	2993371	91.199	ug/l	100
20) Methylene Chloride	3.69	84	1716325	83.207	ug/l	100
21) trans-1,2-Dichloroethene	4.07	96	1699018	102.228	ug/l	99
22) Diisopropyl ether	4.83	45	6195974	91.507	ug/l	97
23) Vinyl Acetate	4.78	43	17221362	455.475	ug/l	99
24) 1,1-Dichloroethane	4.73	63	2792227	94.667	ug/l	99
25) 2-Butanone	5.61	43	2835069	388.302	ug/l	98
26) 2,2-Dichloropropane	5.56	77	2039892	83.272	ug/l	100
27) cis-1,2-Dichloroethene	5.57	96	1766915	98.221	ug/l	99
28) Bromochloromethane	5.90	49	1394265	100.571	ug/l	99
29) Tetrahydrofuran	5.93	42	1685073	466.999	ug/l	98
30) Chloroform	6.08	83	2823274	94.023	ug/l	99
31) Cyclohexane	6.35	56	2495513	90.601	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	2352333	92.531	ug/l	99
36) 1,1-Dichloropropene	6.50	75	2123924	100.467	ug/l	99
37) Ethyl Acetate	5.68	43	1413551	88.375	ug/l	98
38) Carbon Tetrachloride	6.48	117	1959197	92.375	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	2415694	104.801	ug/l	98
40) Benzene	6.78	78	5282806	95.933	ug/l	99
41) Methacrylonitrile	5.93	41	1669229	205.526	ug/l #	82
42) 1,2-Dichloroethane	6.88	62	1658707	95.878	ug/l	99
43) Isopropyl Acetate	8.33	43	1987639	94.882	ug/l #	96
44) Trichloroethene	7.72	130	1710248	104.778	ug/l	98
45) 1,2-Dichloropropane	8.09	63	1458942	95.911	ug/l	99
46) Dibromomethane	8.21	93	962041	98.257	ug/l	90
47) Bromodichloromethane	8.47	83	2149583	97.842	ug/l	99
48) Methyl methacrylate	8.24	41	1100871	90.294	ug/l	96
49) 1,4-Dioxane	8.22	88	224868	2035.657	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	5956639	398.835	ug/l	98
52) Toluene	9.53	92	3490058	99.048	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	1966555	97.037	ug/l	100
54) cis-1,3-Dichloropropene	9.09	75	2339330	98.321	ug/l	99
55) 1,1,2-Trichloroethane	10.17	97	1190551	93.731	ug/l	97
56) Ethyl methacrylate	10.02	69	1408492	96.811	ug/l	99
57) 1,3-Dichloropropane	10.37	76	1816197	98.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.91	63	3156464	452.896	ug/l	99
59) 2-Hexanone	10.48	43	4224530	383.557	ug/l	98
60) Dibromochloromethane	10.63	129	1535826	96.366	ug/l	100
61) 1,2-Dibromoethane	10.74	107	1304489	101.651	ug/l	99
64) Tetrachloroethene	10.24	164	1594115	100.681	ug/l	98
65) Chlorobenzene	11.31	112	3759675	93.407	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.41	131	1238242	85.363	ug/l	99
67) Ethyl Benzene	11.42	91	5488536	81.624	ug/l	98
68) m/p-Xylenes	11.56	106	3887987	157.276	ug/l	98
69) o-Xylene	11.93	106	2142242	88.846	ug/l	95
70) Styrene	11.96	104	3604865	86.946	ug/l	99
71) Bromoform	12.11	173	1216287	97.076	ug/l	98
73) Isopropylbenzene	12.27	105	5765541	87.893	ug/l	99
74) N-amyl acetate	12.13	43	2385240	85.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	1393258	92.409	ug/l	98
76) 1,2,3-Trichloropropane	12.60	75	1407669	89.630	ug/l	99
77) Bromobenzene	12.54	156	1719725	94.645	ug/l	94
78) n-propylbenzene	12.63	91	7016091	84.846	ug/l	97
79) 2-Chlorotoluene	12.70	91	3989648	85.427	ug/l	97
80) 1,3,5-Trimethylbenzene	12.79	105	4180738	80.534	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.34	75	443542	91.477	ug/l	99
82) 4-Chlorotoluene	12.80	91	4261093	80.476	ug/l	97
83) tert-Butylbenzene	13.04	119	5066612	85.929	ug/l	94
84) 1,2,4-Trimethylbenzene	13.09	105	4532902	84.083	ug/l	100
85) sec-Butylbenzene	13.22	105	6091797	88.056	ug/l	99
86) p-Isopropyltoluene	13.33	119	4796671	84.452	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	2899834	89.456	ug/l	100
88) 1,4-Dichlorobenzene	13.38	146	2892682	89.115	ug/l	95
89) n-Butylbenzene	13.64	91	4138208	72.936	ug/l	97
90) Hexachloroethane	13.85	117	1366170	90.814	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	2115012	77.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.22	75	288573	127.990	ug/l	96

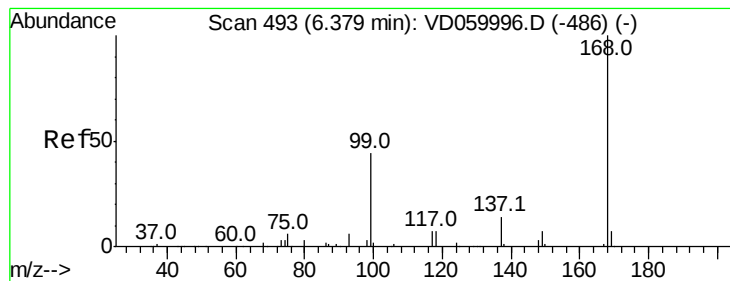
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Quant Title : SW846 8260
QLast Update : Thu Sep 13 15:36:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	2065630	87.908	ug/l	98
94) Hexachlorobutadiene	14.88	225	1400484	90.635	ug/l	99
95) Naphthalene	14.96	128	3494684	97.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	1876305	93.120	ug/l	98

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

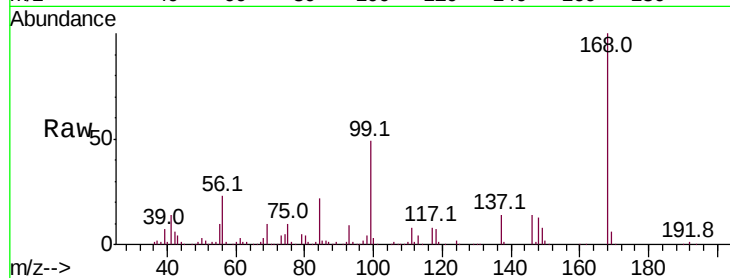


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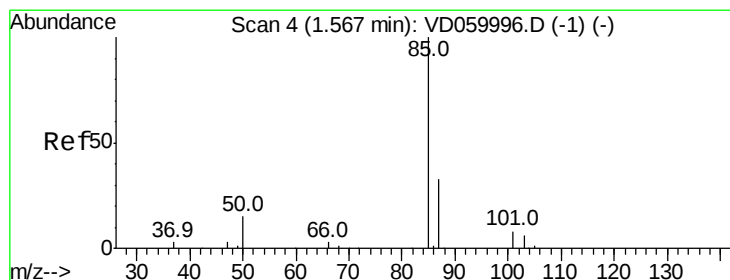
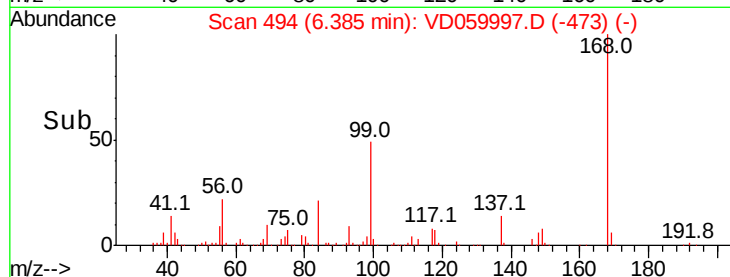
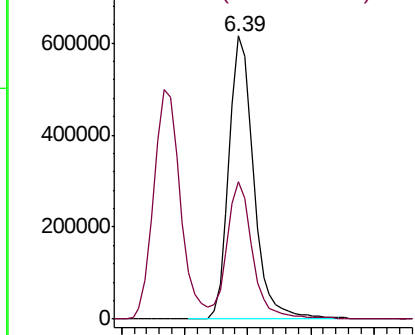
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 6.39 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1668958
Ion Ratio Lower Upper
168 100
99 48.6 38.5 57.7



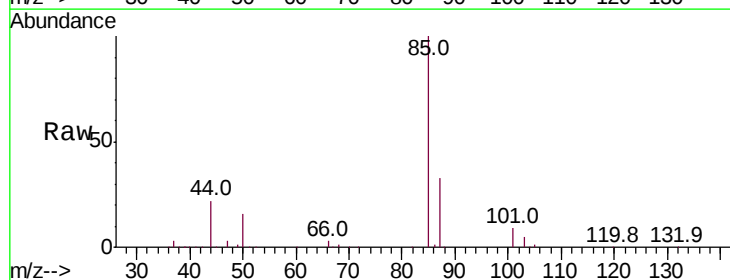
Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC



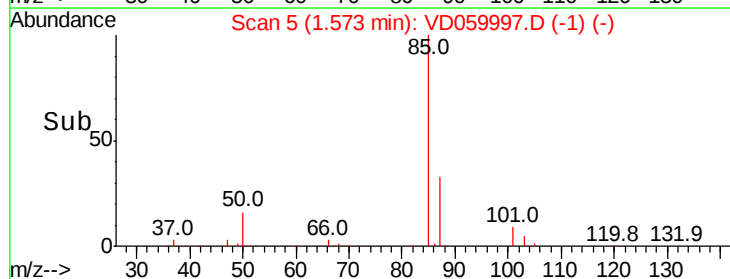
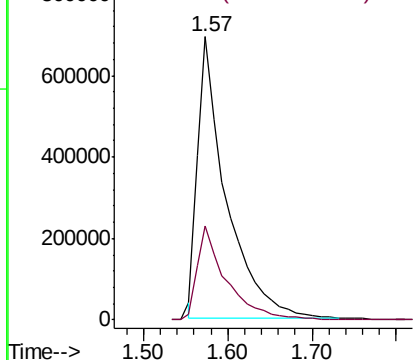
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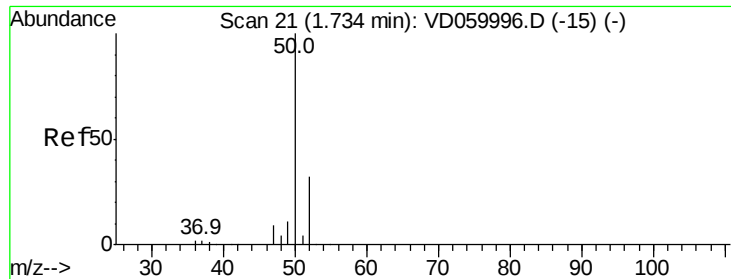
Dichlorodifluoromethane
Concen: 103.418 ug/l
RT: 1.57 min Scan# 5
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 85 Resp: 1616442
Ion Ratio Lower Upper
85 100
87 33.0 16.4 49.1



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





#3

Chloromethane

Concen: 108.632 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

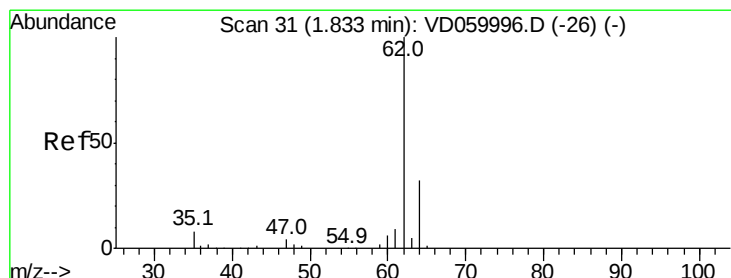
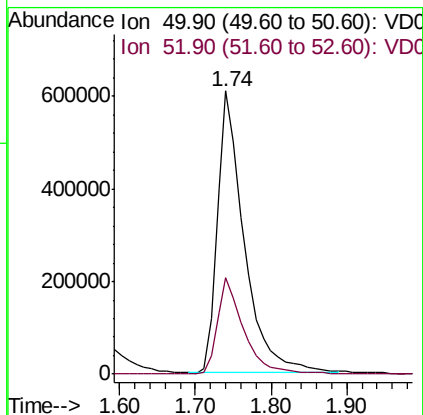
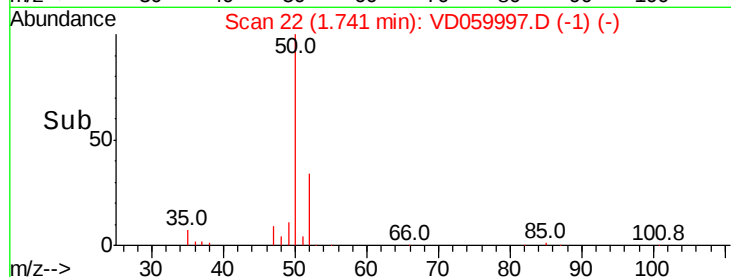
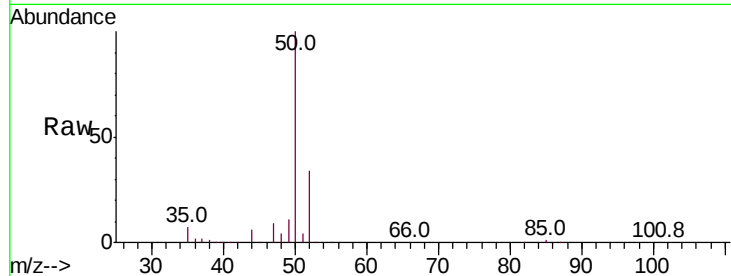
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 1502828

Ion Ratio Lower Upper

50 100

52 33.9 25.4 38.2



#4

Vinyl Chloride

Concen: 114.911 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD059997.D

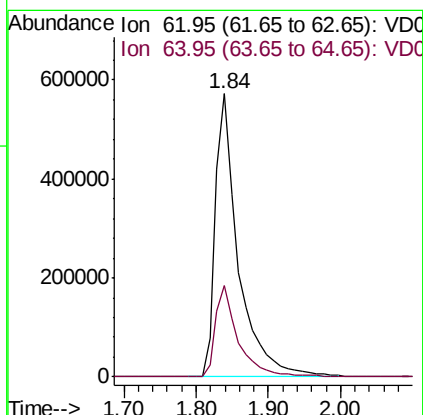
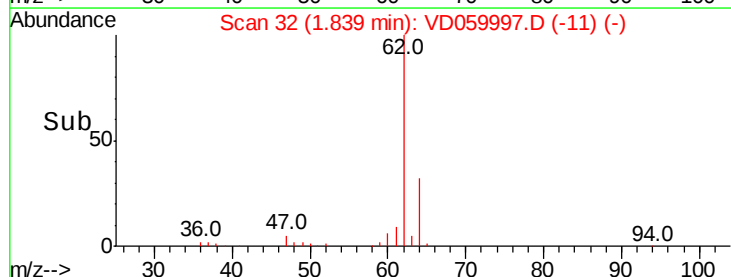
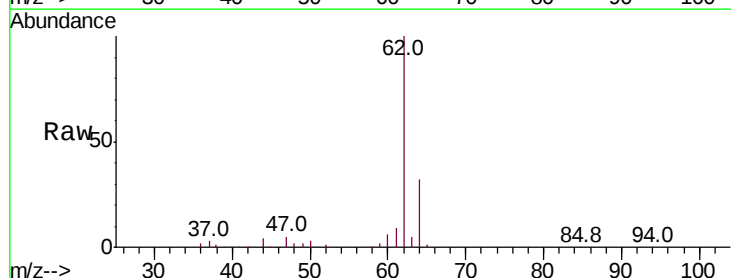
Acq: 13 Sep 2018 15:03

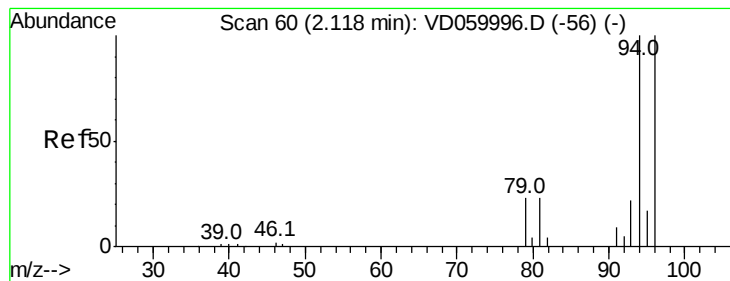
Tgt Ion: 62 Resp: 1252963

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 48.571 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

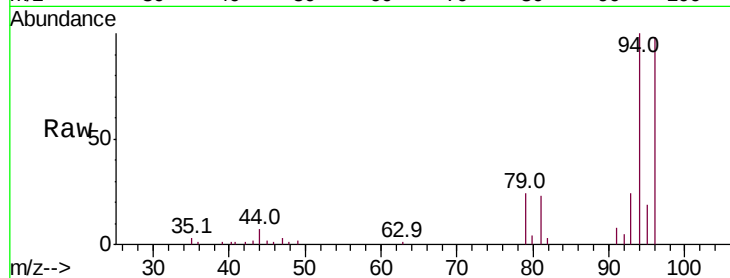
ClientSampleId :

Tot Ion: 94 Resp: 92635

Ion Ratio Lower Upper

94 100

96 98.4 79.8 119.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

50000

40000

30000

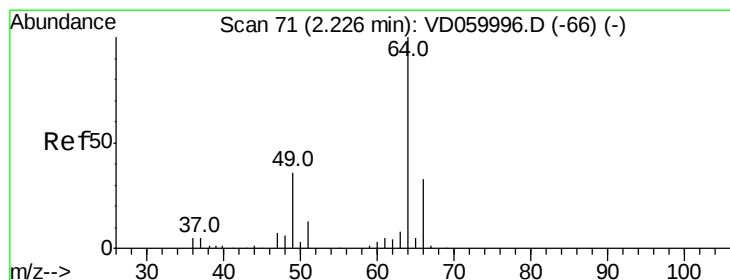
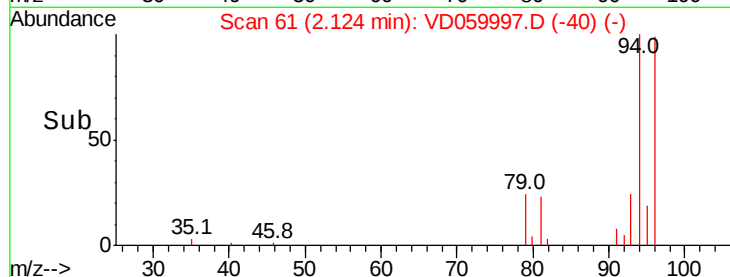
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 75.792 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.00 min

Lab File: VD059997.D

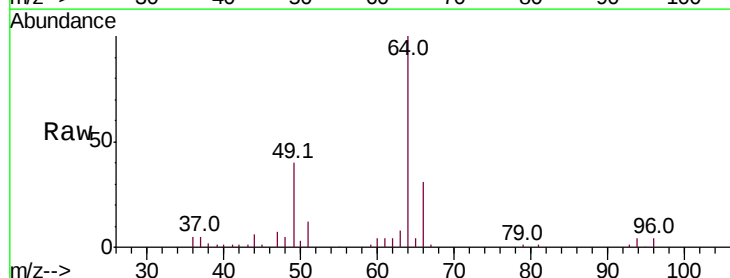
Acq: 13 Sep 2018 15:03

Tgt Ion: 64 Resp: 254001

Ion Ratio Lower Upper

64 100

66 31.0 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.22

100000

80000

60000

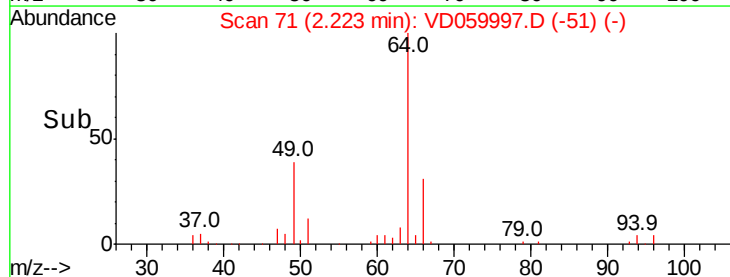
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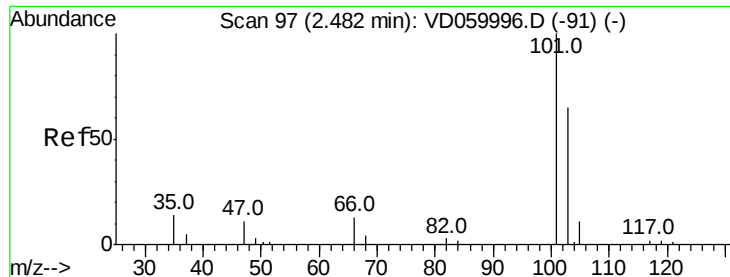
20000

0

Time-->

2.10 2.20 2.30 2.40



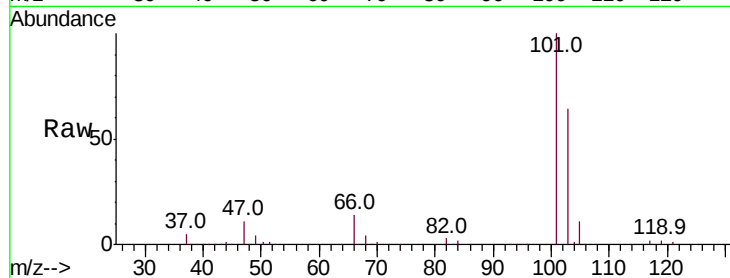


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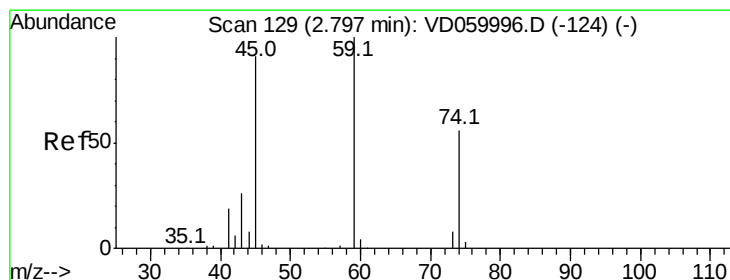
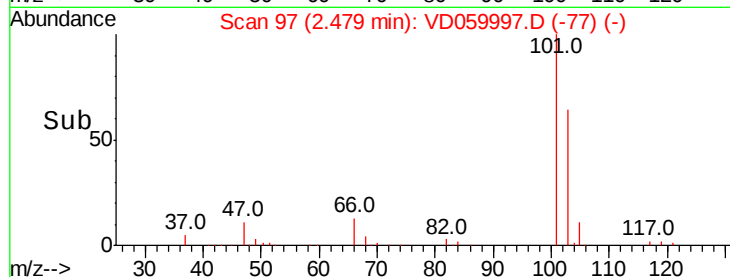
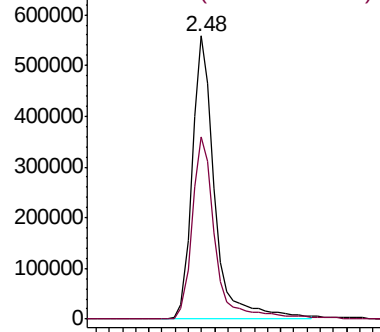
Trichlorofluoromethane
Concen: 104.544 ug/l
RT: 2.48 min Scan# 97
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 1331219
Ion Ratio Lower Upper
101 100
103 64.3 51.6 77.4



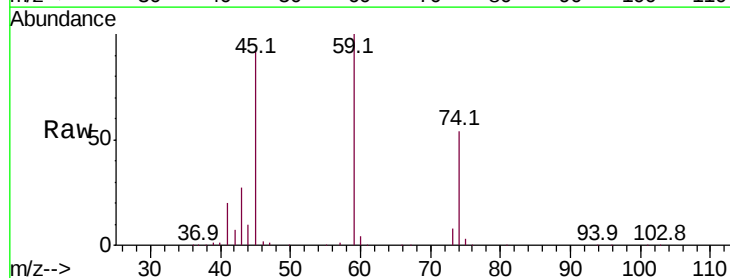
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



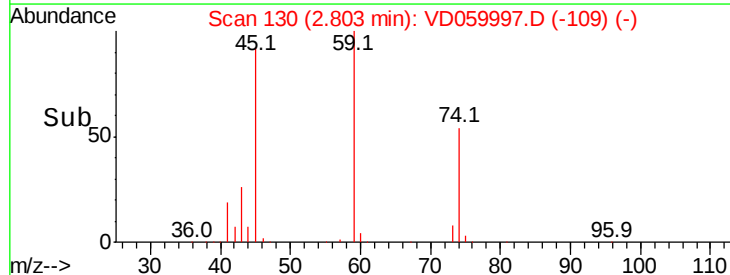
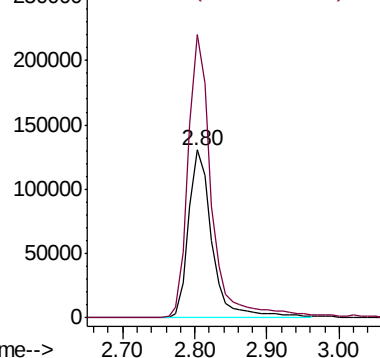
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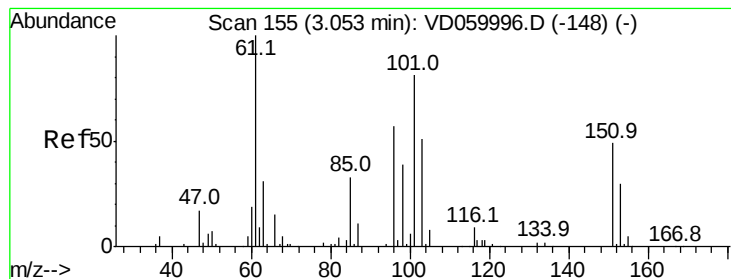
Diethyl Ether
Concen: 105.078 ug/l
RT: 2.80 min Scan# 130
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 74 Resp: 294707
Ion Ratio Lower Upper
74 100
45 168.6 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: 108.854 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

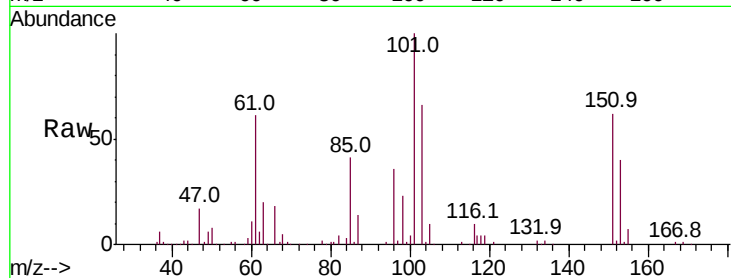
Tot Ion:101 Resp: 851684

Ion Ratio Lower Upper

101 100

85 40.5 33.1 49.7

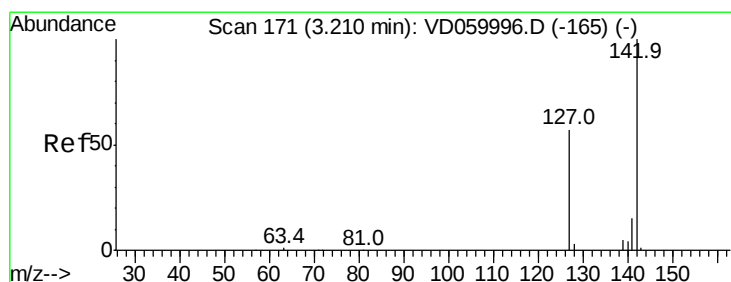
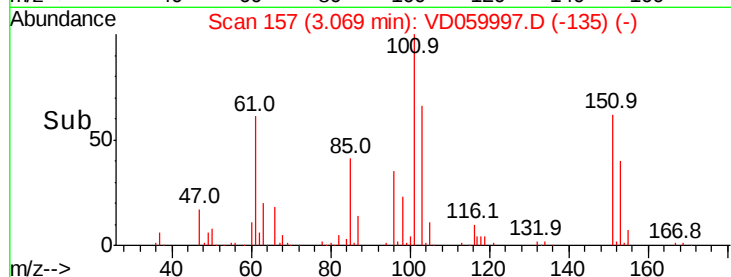
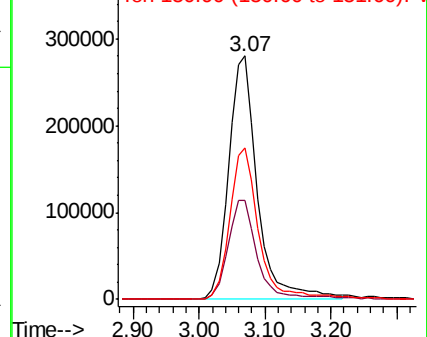
151 62.0 48.2 72.4



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: 149.275 ug/l

RT: 3.22 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

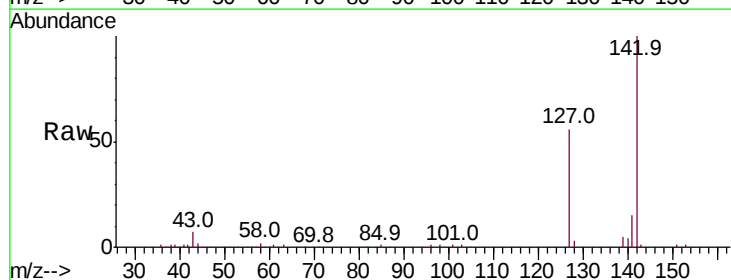
Tgt Ion:142 Resp: 1079820

Ion Ratio Lower Upper

142 100

127 56.1 45.8 68.8

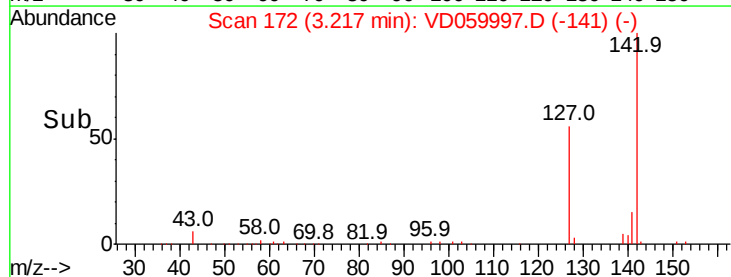
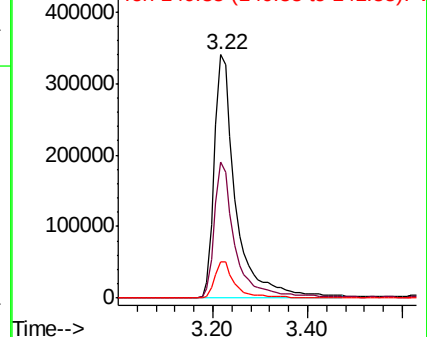
141 14.8 12.2 18.4

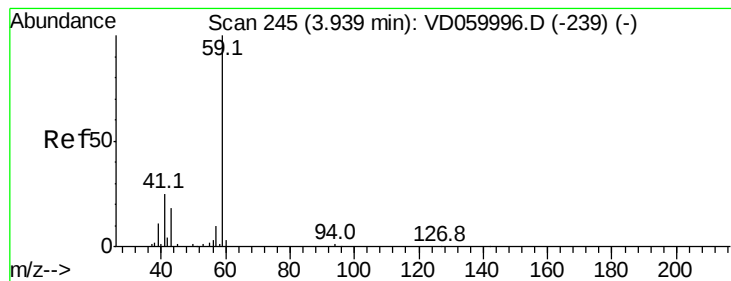


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



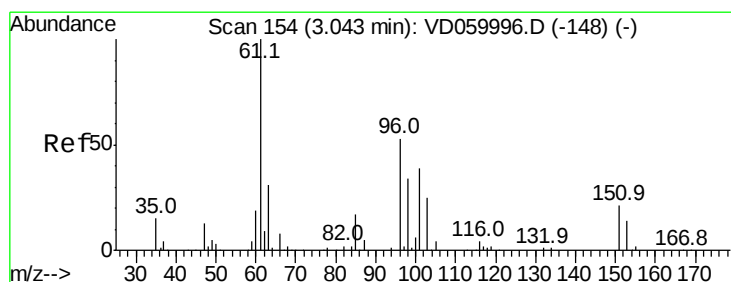
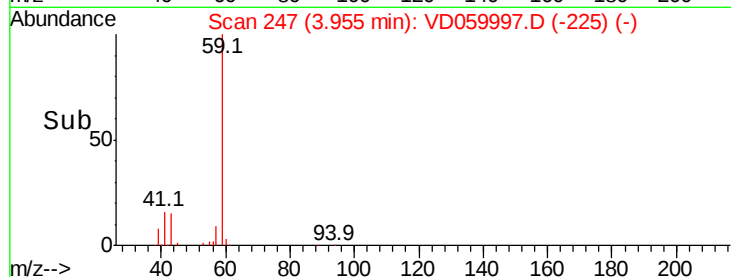
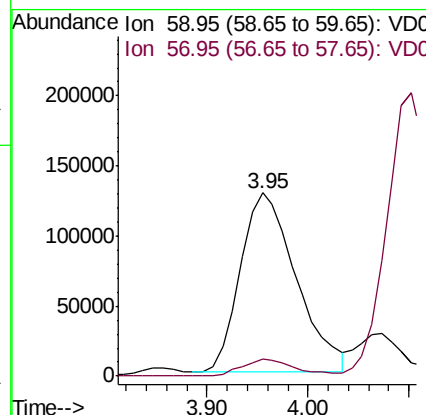
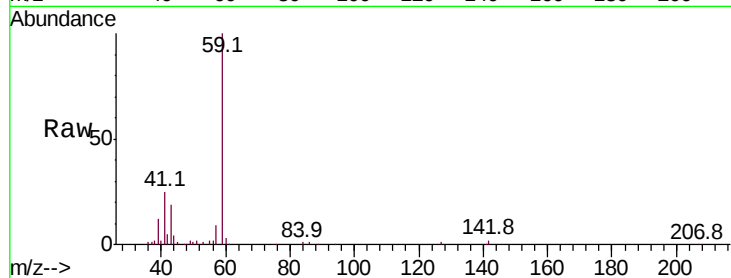


#11

Tert butyl alcohol
 Concen: 465.892 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleId :

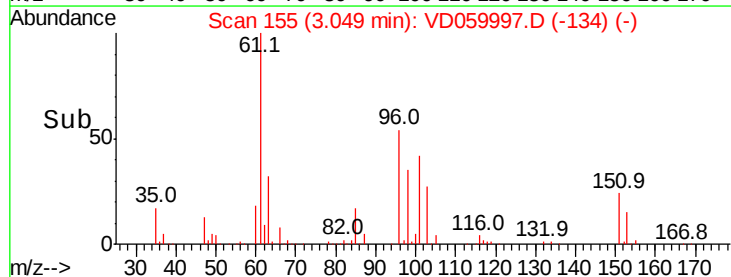
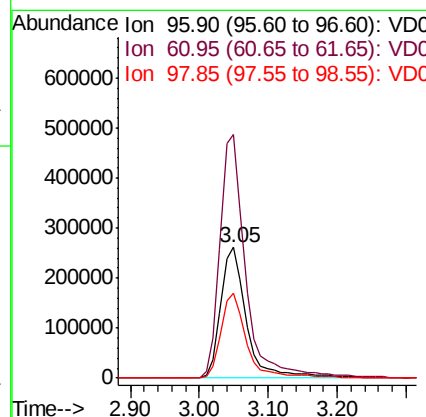
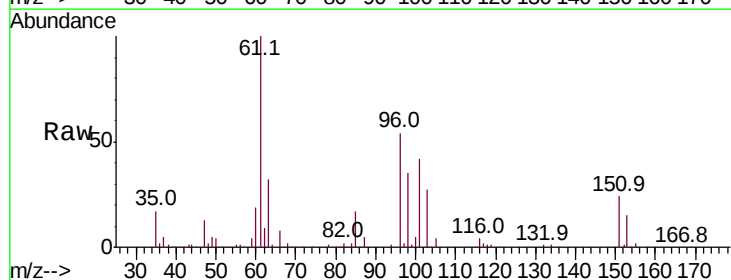
Tot Ion: 59 Resp: 493147
 Ion Ratio Lower Upper
 59 100
 57 9.2 7.4 11.2

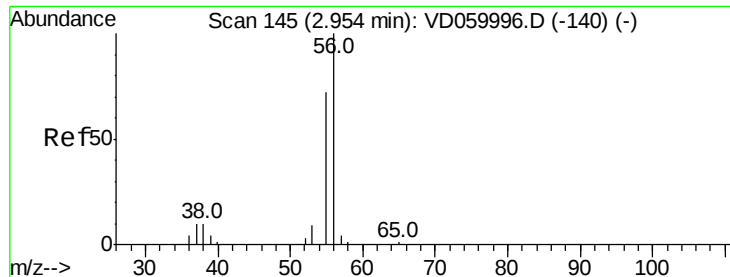


#12

1,1-Dichloroethene
 Concen: 111.195 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 96 Resp: 676898
 Ion Ratio Lower Upper
 96 100
 61 186.4 149.8 224.6
 98 65.0 50.2 75.4





#13

Acrolein

Concen: 628.798 ug/l

RT: 2.96 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

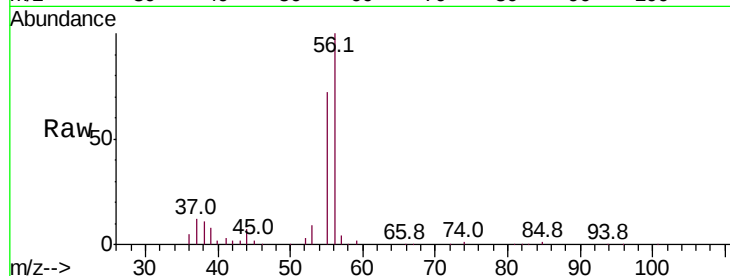
ClientSampled :

Tot Ion: 56 Resp: 301694

Ion Ratio Lower Upper

56 100

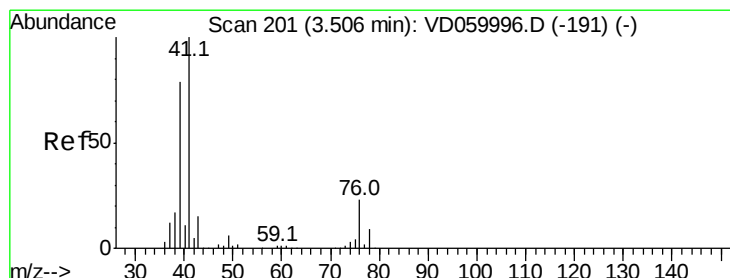
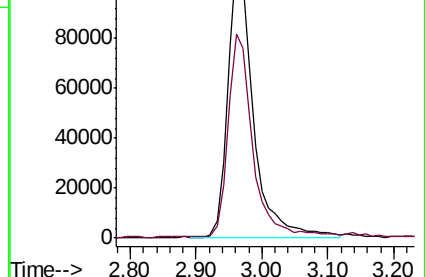
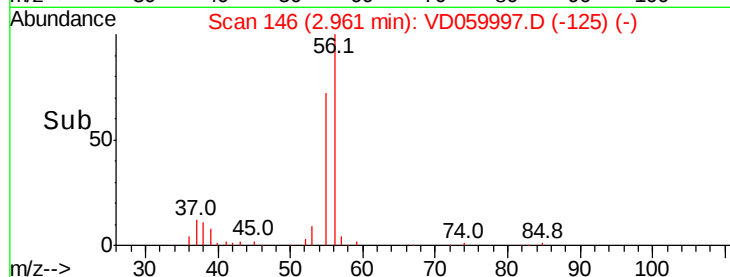
55 72.0 58.3 87.5



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.96



#14

Allyl chloride

Concen: 105.132 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

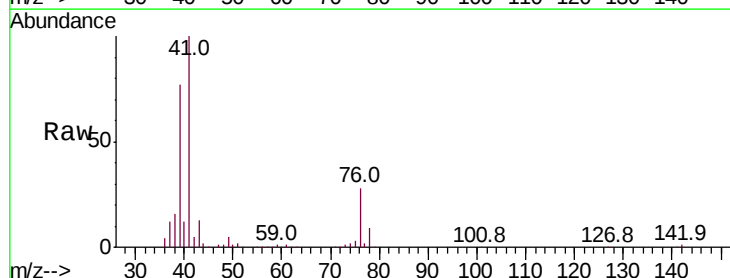
Tgt Ion: 41 Resp: 1424637

Ion Ratio Lower Upper

41 100

39 76.6 63.6 95.4

76 27.5 21.1 31.7

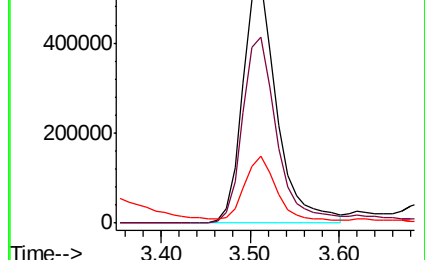
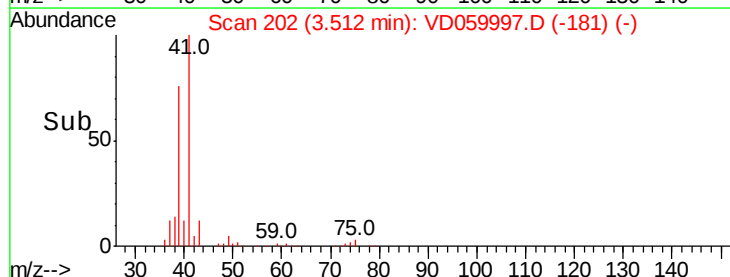


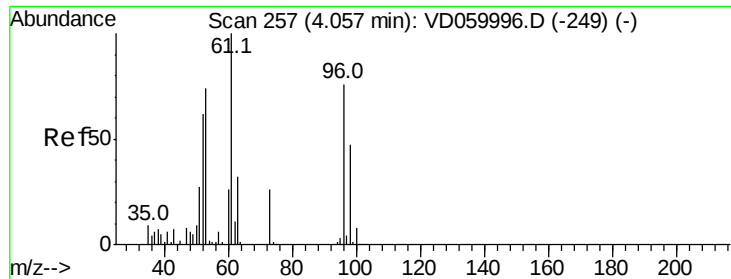
Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.51





#15

Acrylonitrile

Concen: 466.129 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :

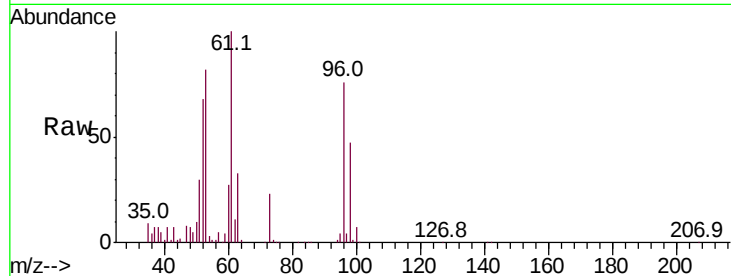
Tot Ion: 53 Resp: 1865304

Ion Ratio Lower Upper

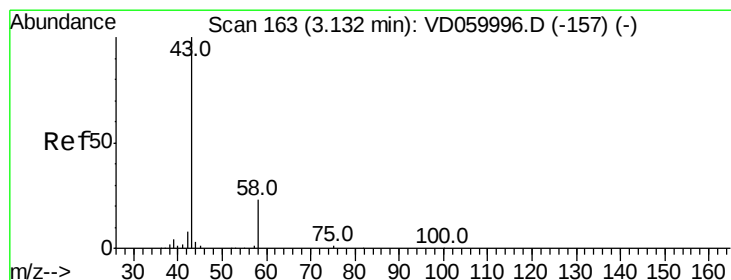
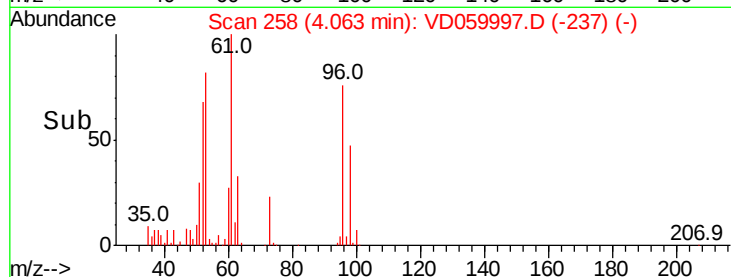
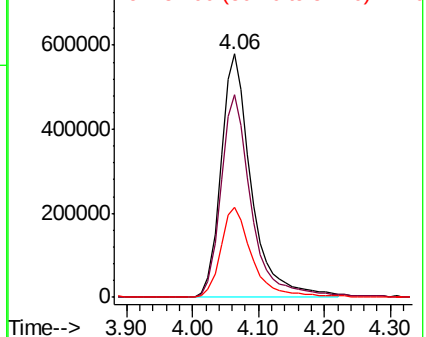
53 100

52 83.4 66.7 100.1

51 36.9 29.0 43.6



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



#16

Acetone

Concen: 425.579 ug/l

RT: 3.14 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD059997.D

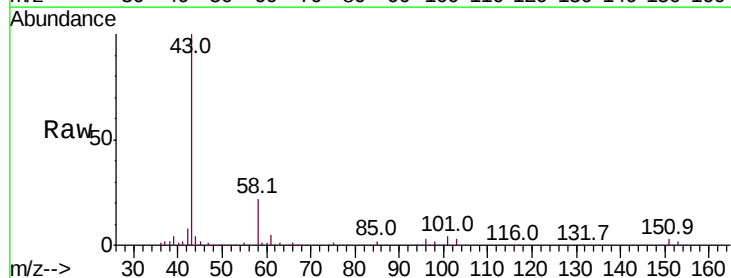
Acq: 13 Sep 2018 15:03

Tgt Ion: 43 Resp: 1075976

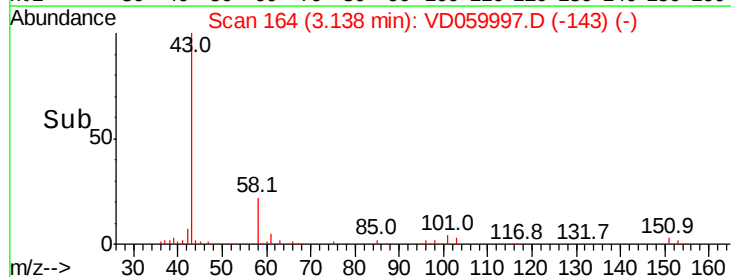
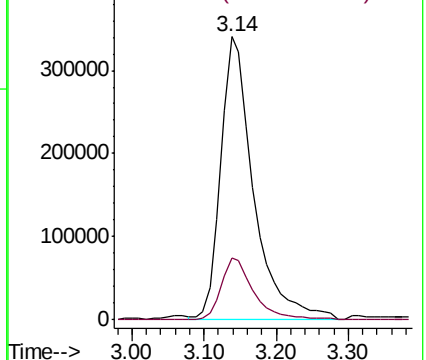
Ion Ratio Lower Upper

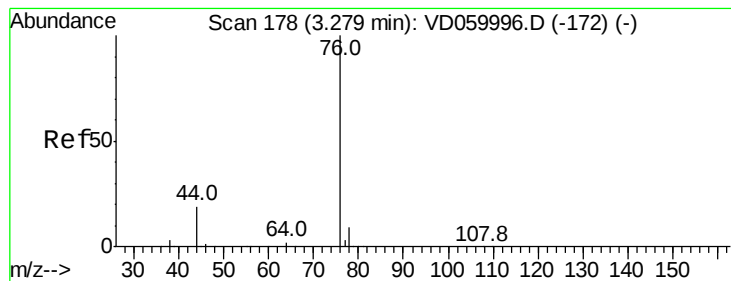
43 100

58 22.0 18.1 27.1



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





#17

Carbon Disulfide

Concen: 124.212 ug/l

RT: 3.29 min Scan# 179

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

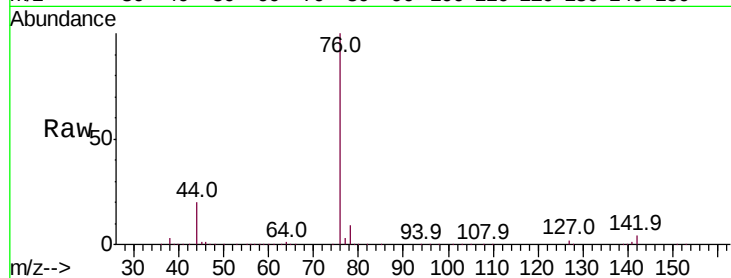
ClientSampleId :

Tot Ion: 76 Resp: 2392175

Ion Ratio Lower Upper

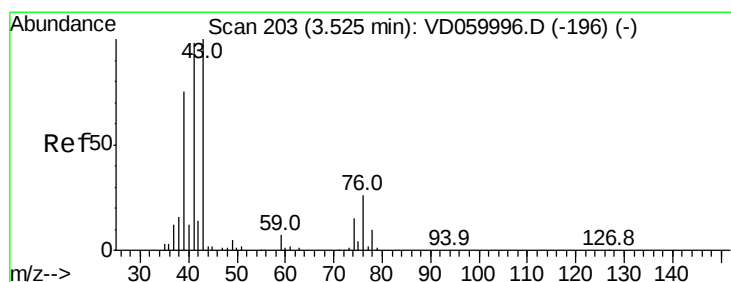
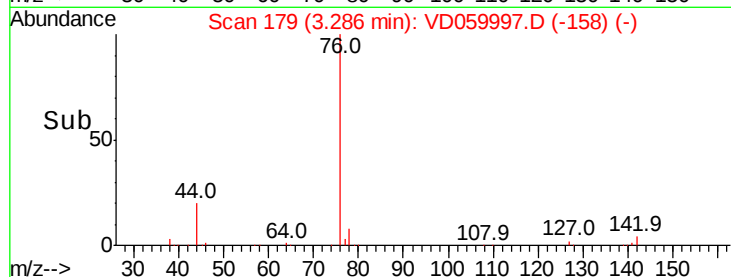
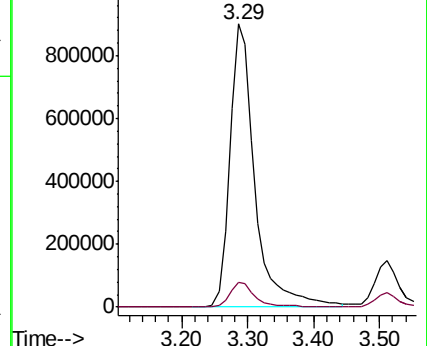
76 100

78 8.8 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 92.091 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.01 min

Lab File: VD059997.D

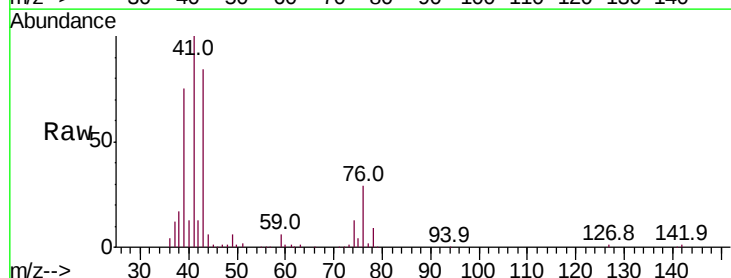
Acq: 13 Sep 2018 15:03

Tgt Ion: 43 Resp: 488679

Ion Ratio Lower Upper

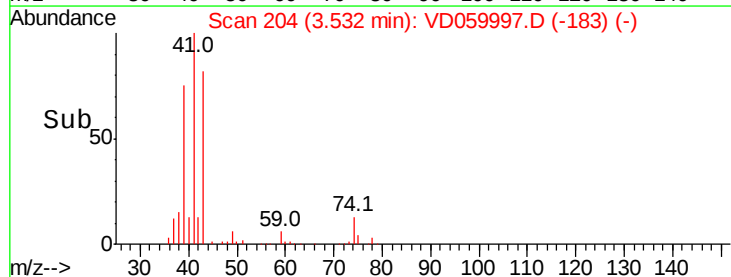
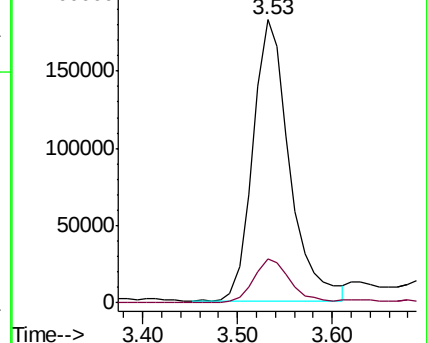
43 100

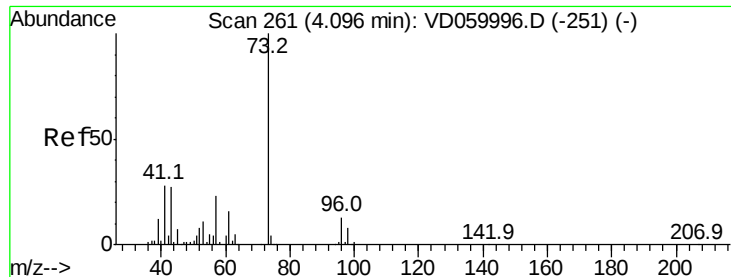
74 15.5 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether
 Concen: 91.199 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

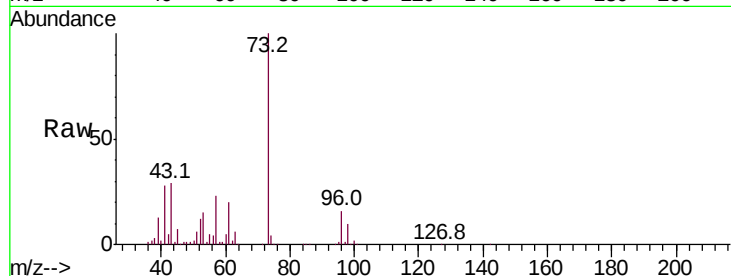
Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 73 Resp: 2993371

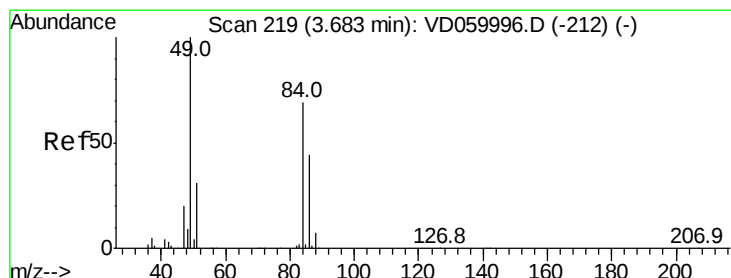
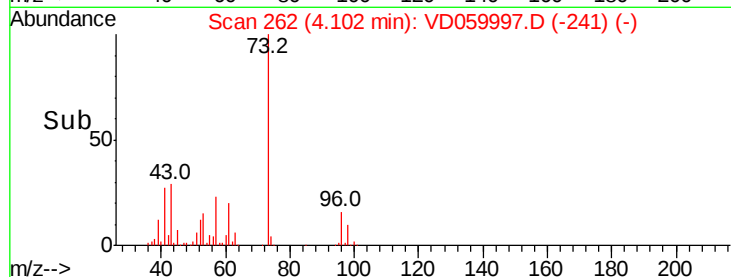
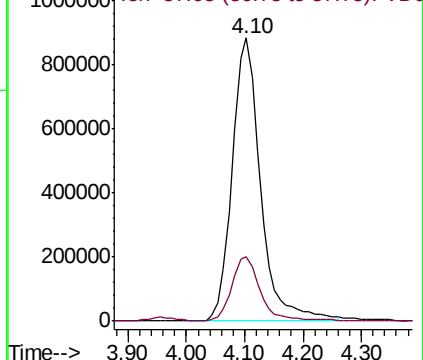
Ion Ratio Lower Upper

73 100

57 22.9 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VDC
 Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride
 Concen: 83.207 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 84 Resp: 1716325

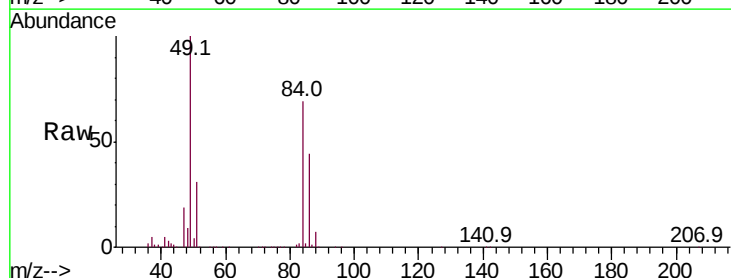
Ion Ratio Lower Upper

84 100

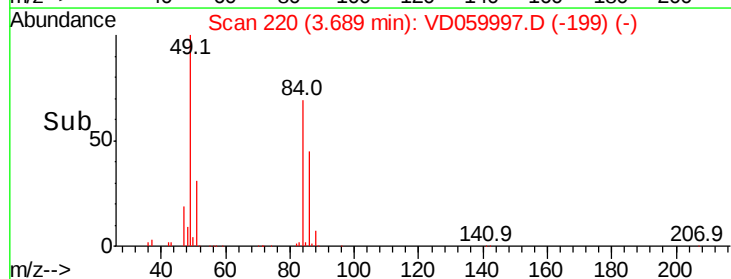
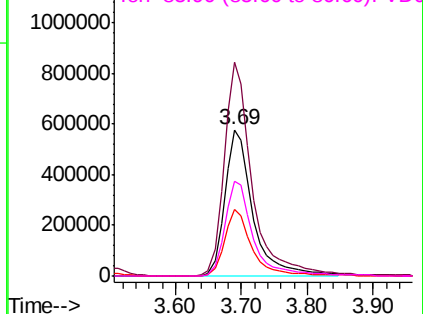
49 145.8 116.6 175.0

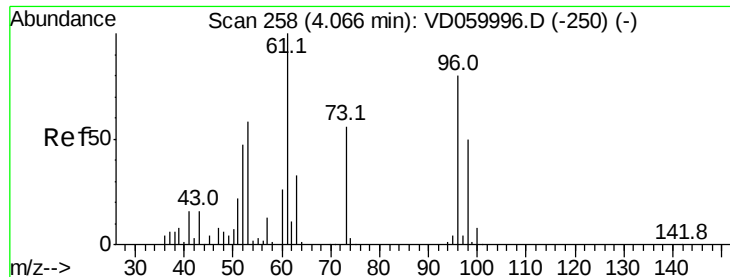
51 45.5 35.9 53.9

86 64.7 51.8 77.6



Abundance Ion 83.95 (83.65 to 84.65): VDC
 Ion 48.90 (48.60 to 49.60): VDC
 Ion 50.90 (50.60 to 51.60): VDC
 Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 102.228 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :

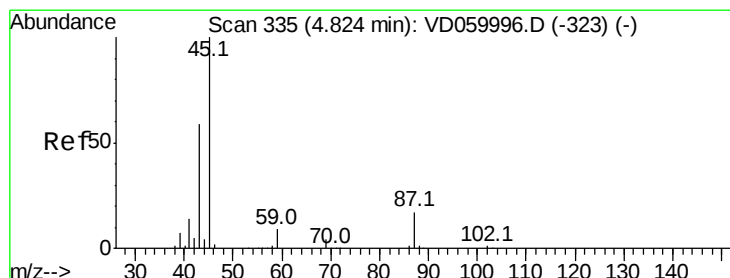
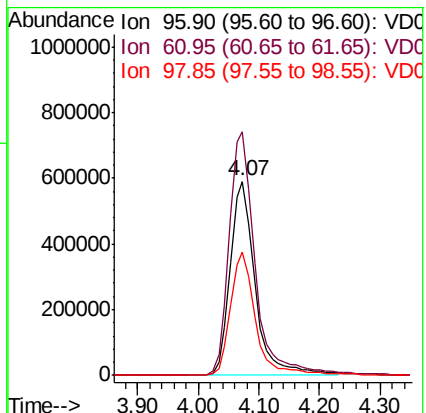
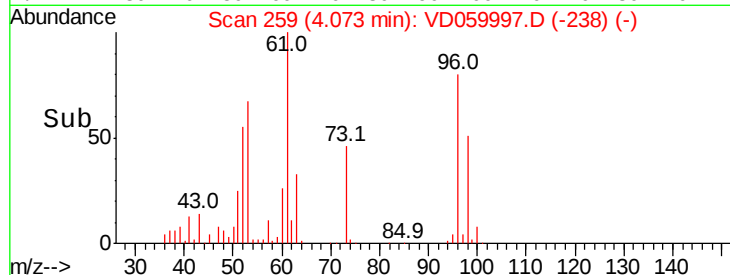
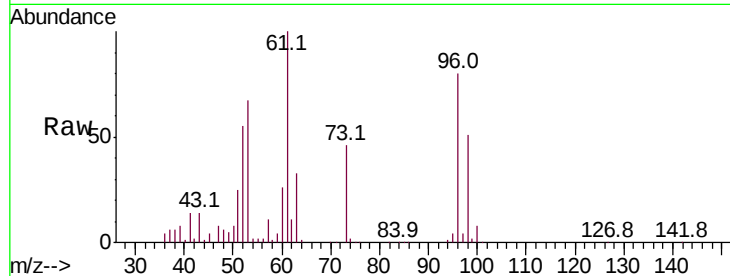
Tot Ion: 96 Resp: 1699018

Ion Ratio Lower Upper

96 100

61 125.3 100.1 150.1

98 63.5 49.5 74.3



#22

Diisopropyl ether

Concen: 91.507 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Tgt Ion: 45 Resp: 6195974

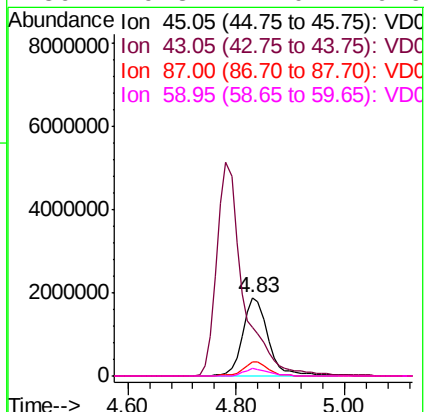
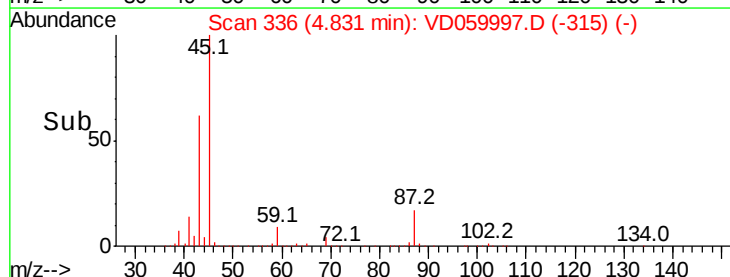
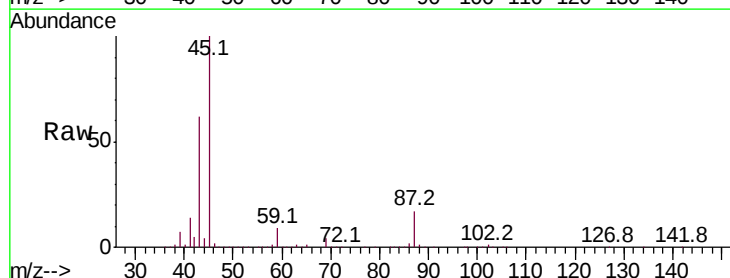
Ion Ratio Lower Upper

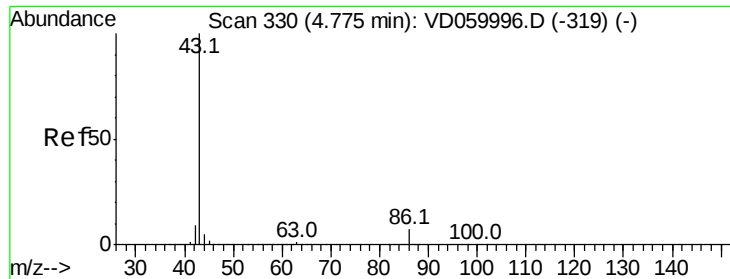
45 100

43 62.4 47.1 70.7

87 17.4 14.2 21.2

59 9.3 7.0 10.6

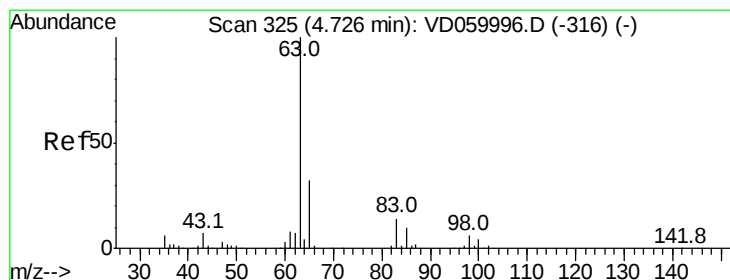
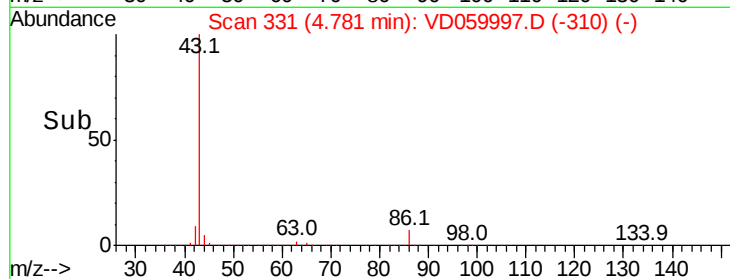
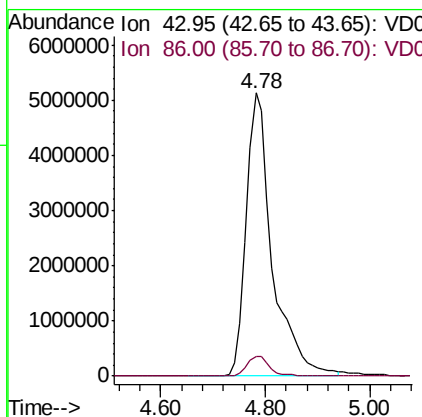
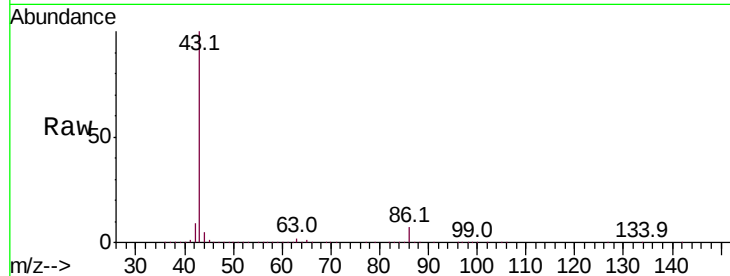




#23
 Vinyl Acetate
 Concen: 455.475 ug/l
 RT: 4.78 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

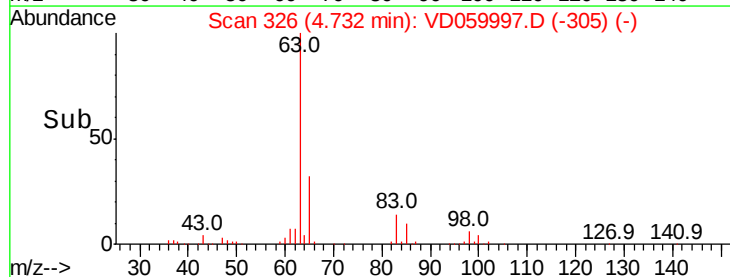
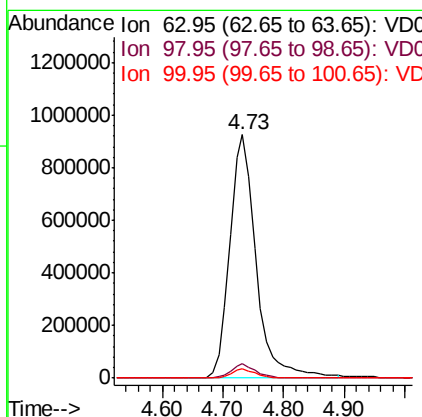
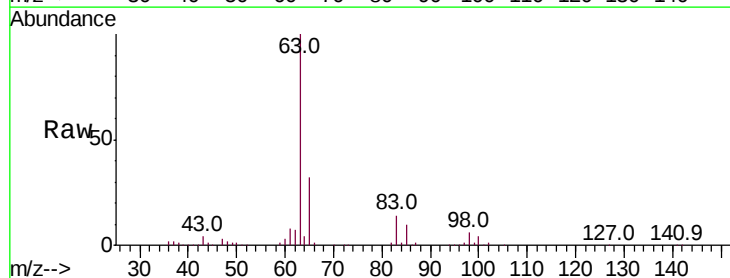
Instrument :
 MSVOA_D
 ClientSampled :

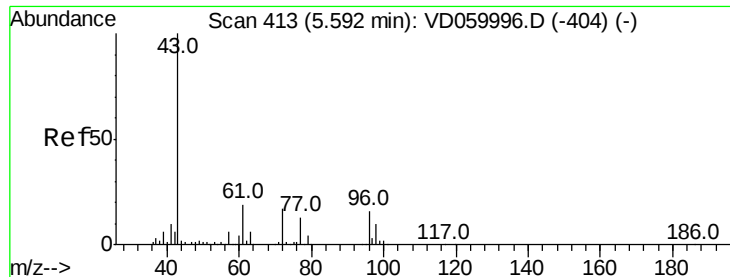
Tot Ion: 43 Resp:17221362
 Ion Ratio Lower Upper
 43 100
 86 7.1 5.5 8.3



#24
 1,1-Dichloroethane
 Concen: 94.667 ug/l
 RT: 4.73 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion: 63 Resp: 2792227
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.8 1.8 5.4





#25

2-Butanone

Concen: 388.302 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

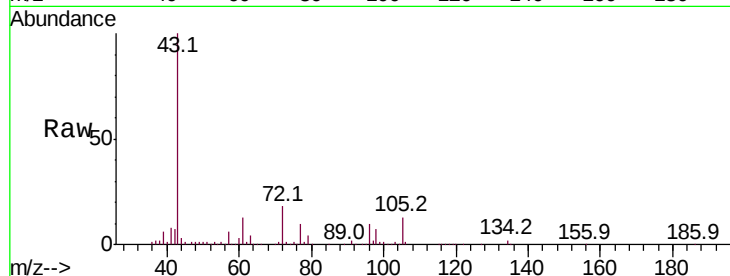
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 2835069

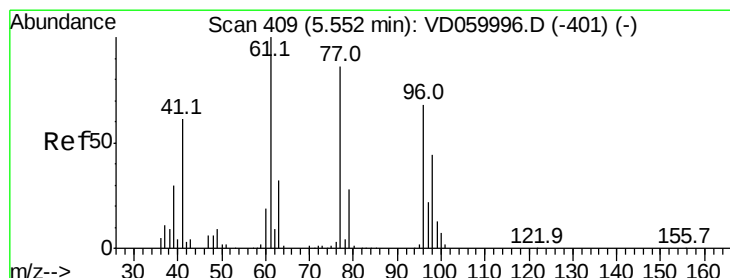
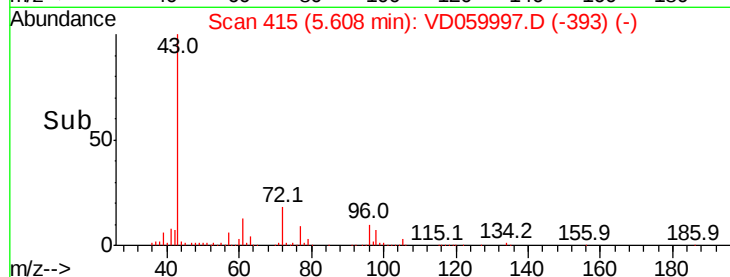
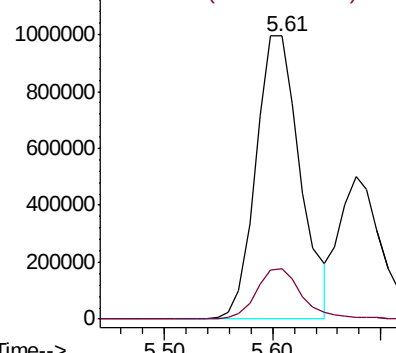
Ion Ratio Lower Upper

43 100

72 17.9 13.6 20.4



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



#26

2,2-Dichloropropane

Concen: 83.272 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD059997.D

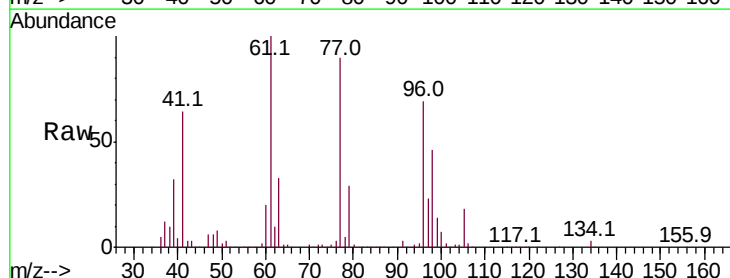
Acq: 13 Sep 2018 15:03

Tgt Ion: 77 Resp: 2039892

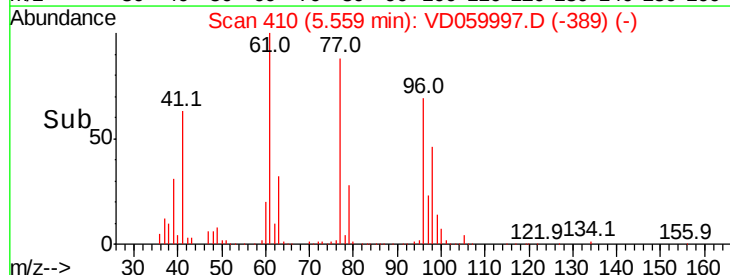
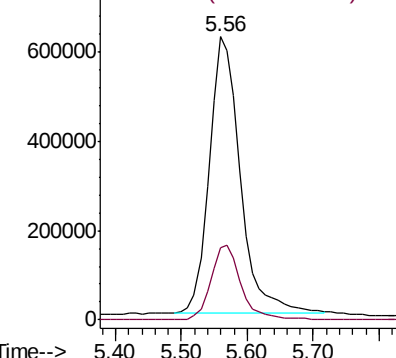
Ion Ratio Lower Upper

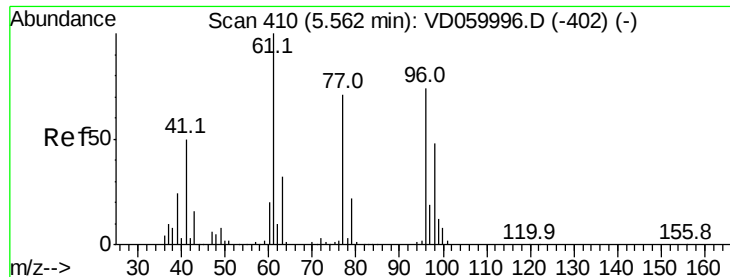
77 100

97 25.4 12.7 38.1



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



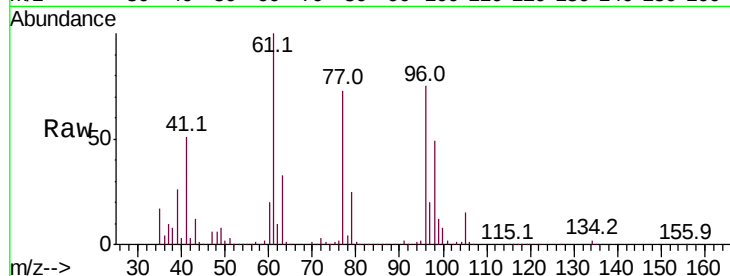


#27

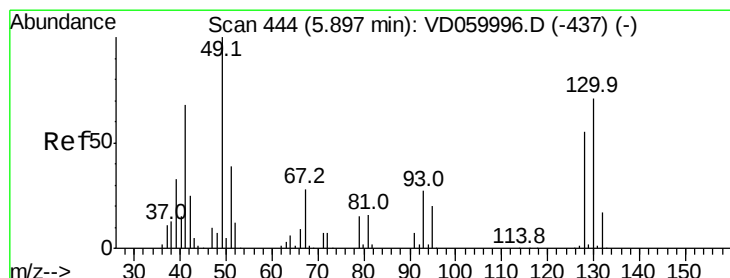
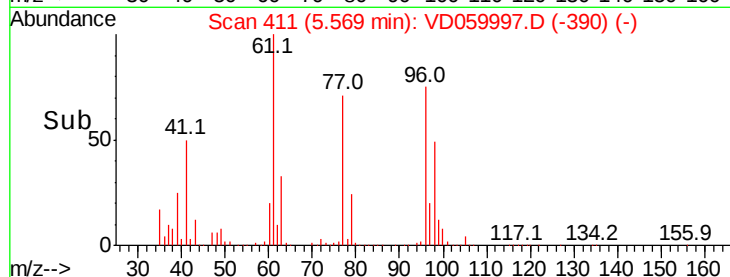
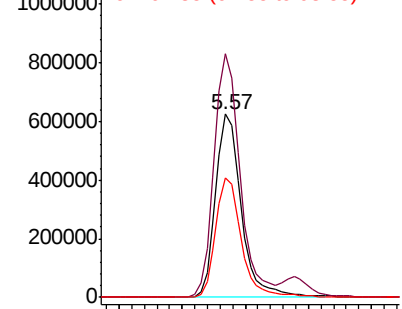
cis-1,2-Dichloroethene
Concen: 98.221 ug/l
RT: 5.57 min Scan# 411
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 1766915
Ion Ratio Lower Upper
96 100
61 133.0 0.0 269.6
98 65.2 0.0 128.4



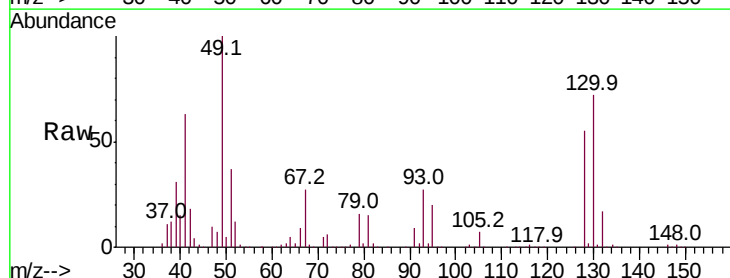
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



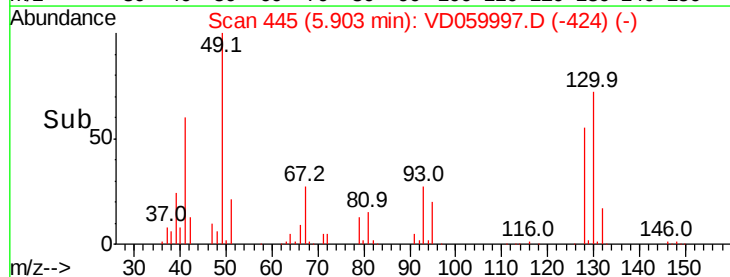
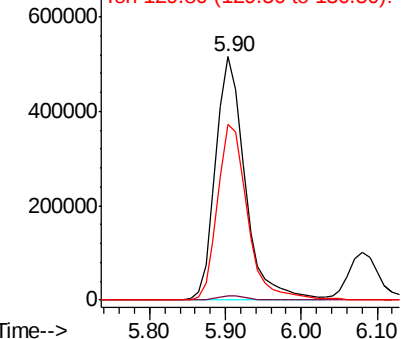
#28

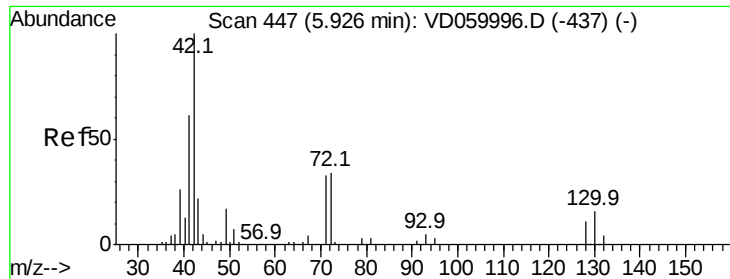
Bromochloromethane
Concen: 100.571 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 49 Resp: 1394265
Ion Ratio Lower Upper
49 100
129 1.6 0.0 3.6
130 72.1 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: 466.999 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

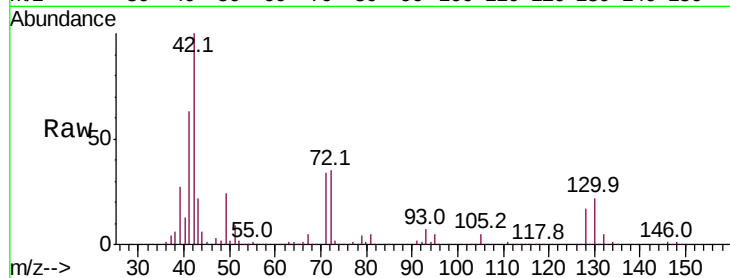
Tot Ion: 42 Resp: 1685073

Ion Ratio Lower Upper

42 100

72 34.6 26.9 40.3

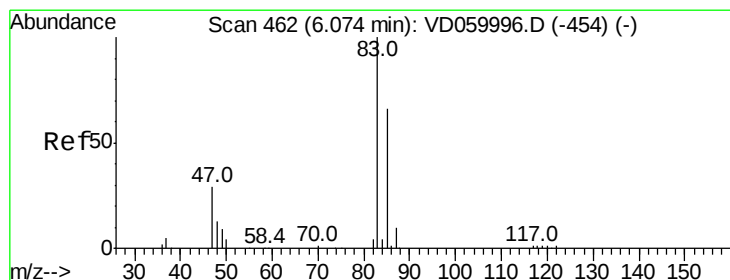
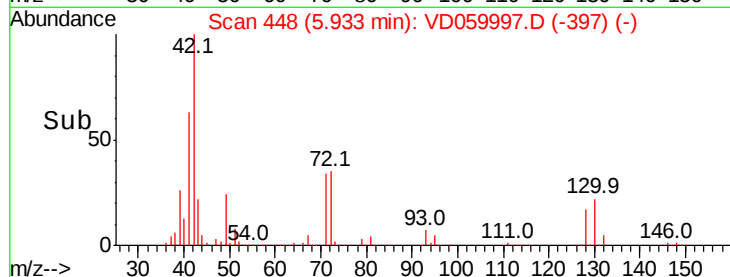
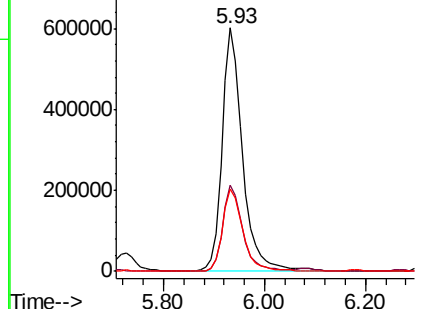
71 34.3 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 94.023 ug/l

RT: 6.08 min Scan# 463

Delta R.T. 0.01 min

Lab File: VD059997.D

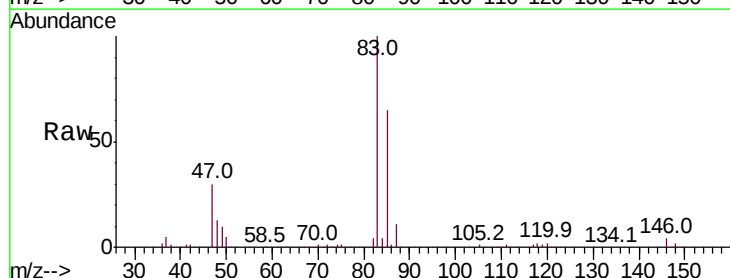
Acq: 13 Sep 2018 15:03

Tgt Ion: 83 Resp: 2823274

Ion Ratio Lower Upper

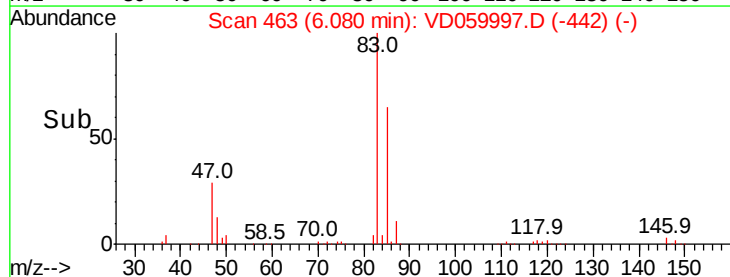
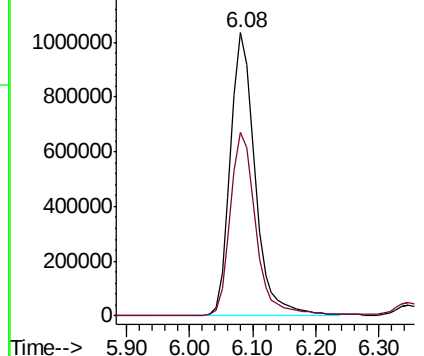
83 100

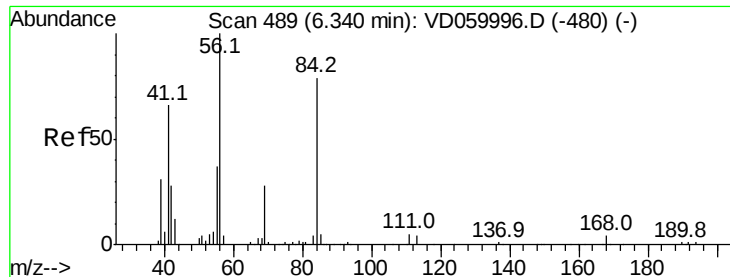
85 65.0 52.6 78.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

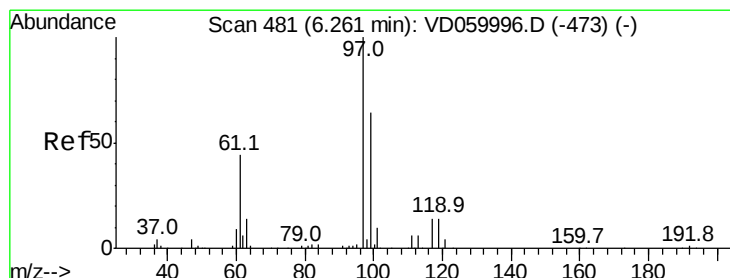
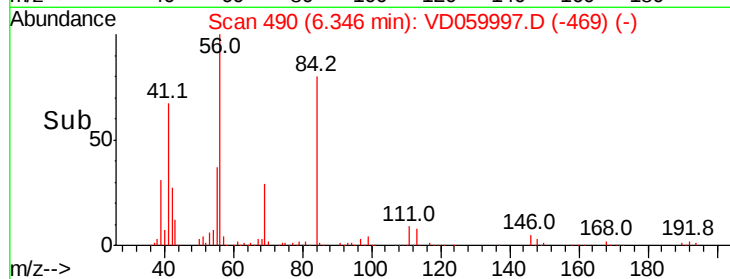
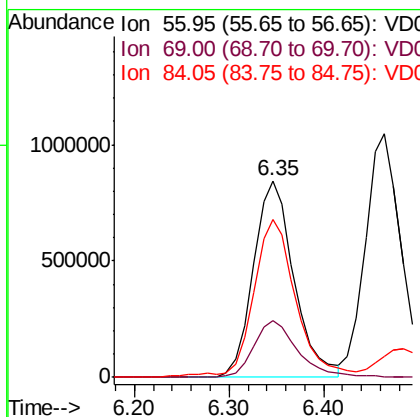
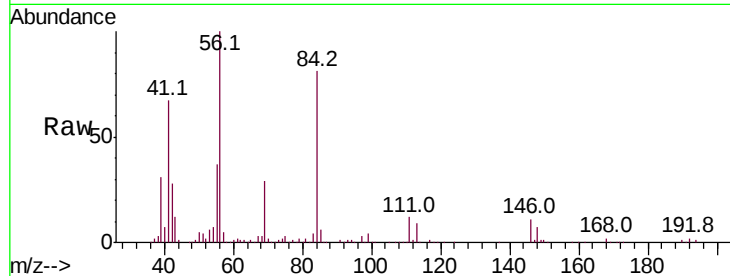




#31
Cvclohexane
Concen: 90.601 ug/l
RT: 6.35 min Scan# 490
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

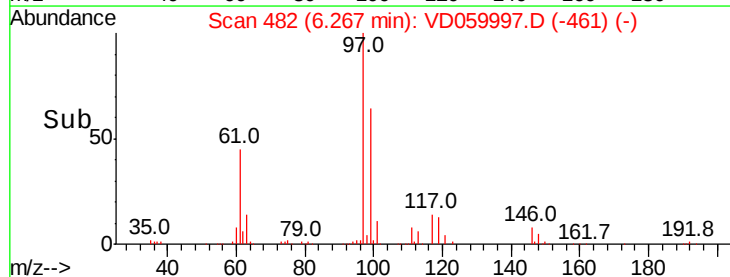
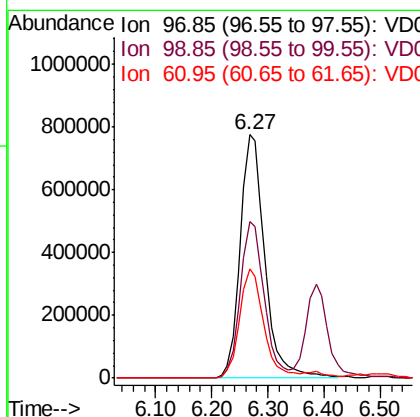
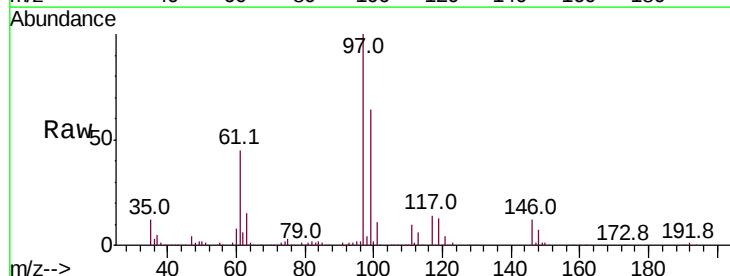
Instrument :
MSVOA_D
ClientSampled :

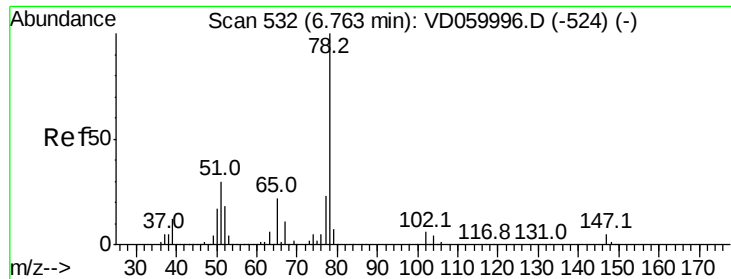
Tot Ion: 56 Resp: 2495513
Ion Ratio Lower Upper
56 100
69 28.7 22.7 34.1
84 80.6 64.0 96.0



#32
1,1,1-Trichloroethane
Concen: 92.531 ug/l
RT: 6.27 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 97 Resp: 2352333
Ion Ratio Lower Upper
97 100
99 64.3 51.3 76.9
61 45.0 35.5 53.3





#33

1,2-Dichloroethane-d4

Concen: 92.531 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

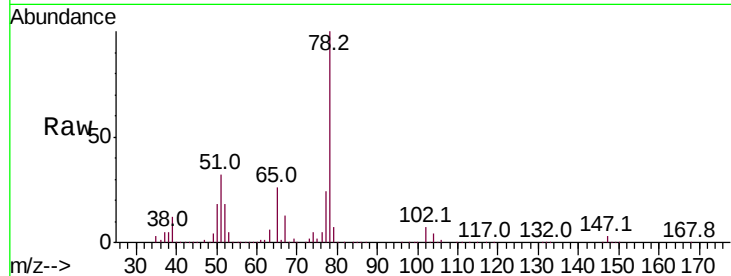
ClientSampleId :

Tot Ion: 65 Resp: 1188995

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.77

500000

400000

300000

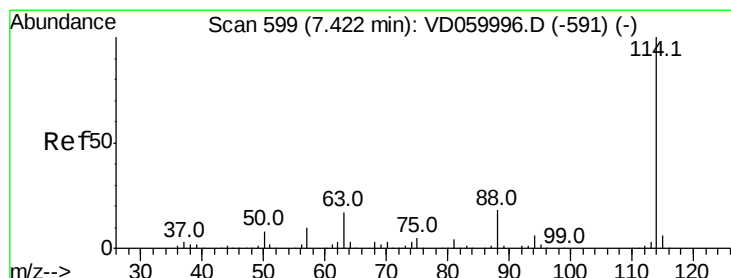
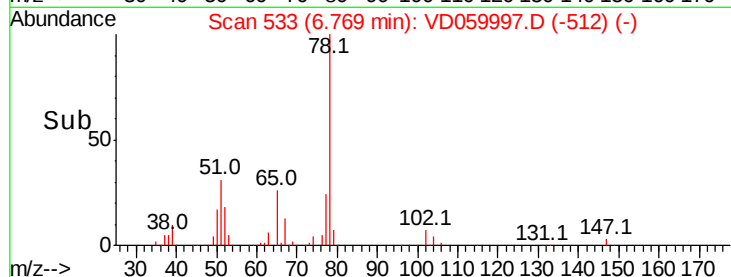
200000

100000

0

6.70 6.80 6.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

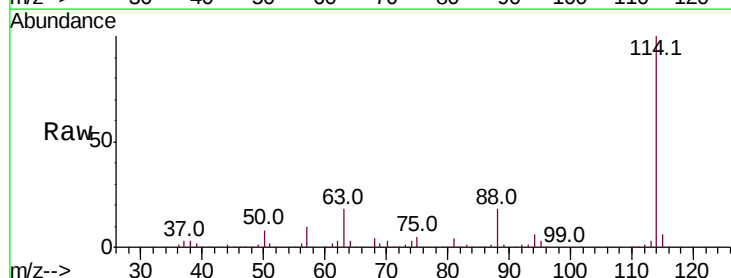
Tgt Ion:114 Resp: 2278718

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 18.1 0.0 35.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

1200000

1000000

800000

600000

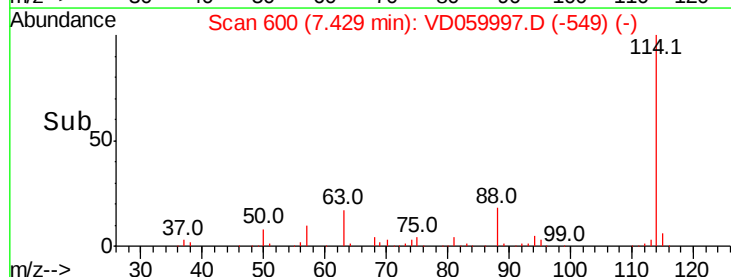
400000

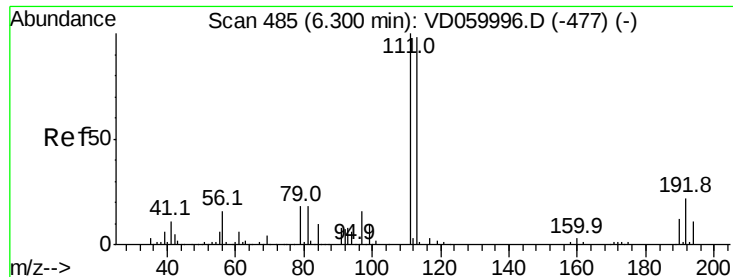
200000

0

7.40 7.60

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

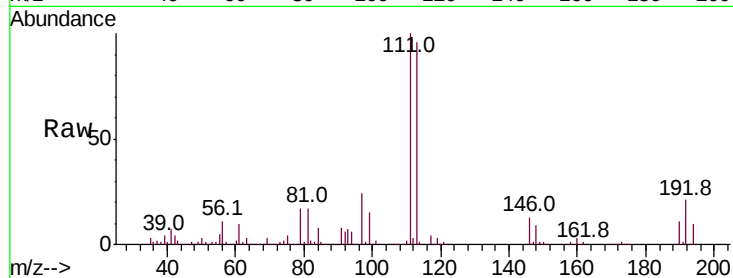
Tot Ion:113 Resp: 1757717

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.3	121.9
192	21.9	18.1	27.1

113 100

111 104.4 81.3 121.9

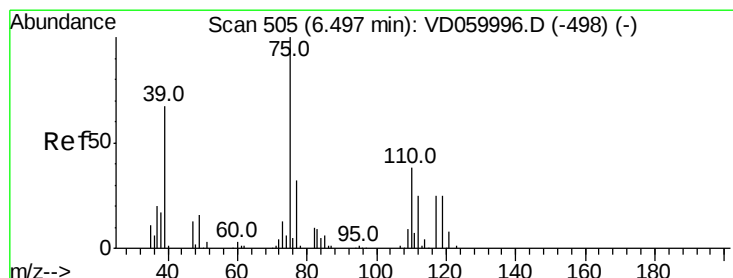
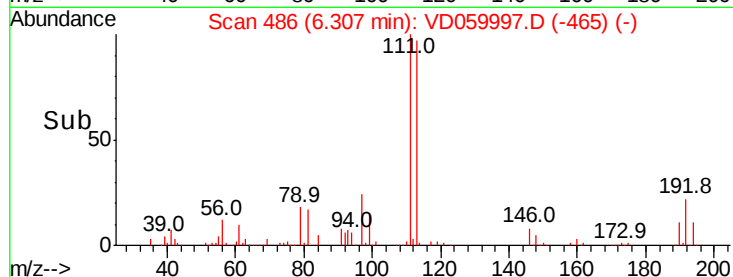
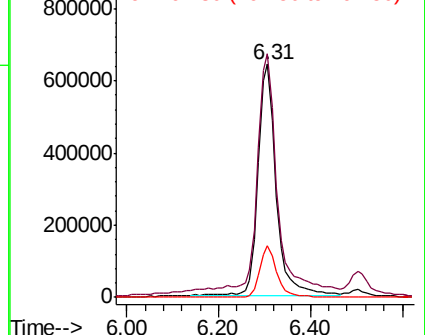
192 21.9 18.1 27.1



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: 100.467 ug/l

RT: 6.50 min Scan# 506

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

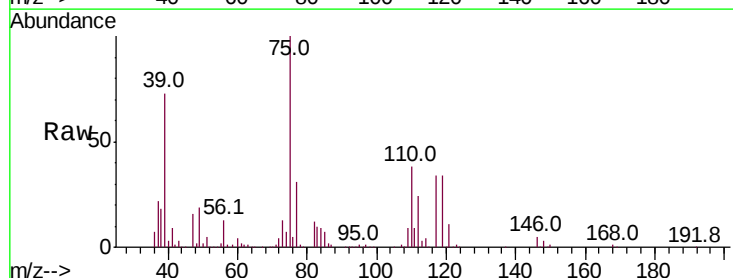
Tgt Ion: 75 Resp: 2123924

Ion	Ratio	Lower	Upper
75	100		
110	38.4	18.9	56.9
77	30.9	25.3	37.9

75 100

110 38.4 18.9 56.9

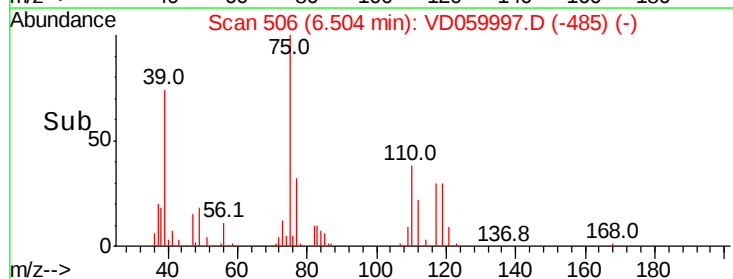
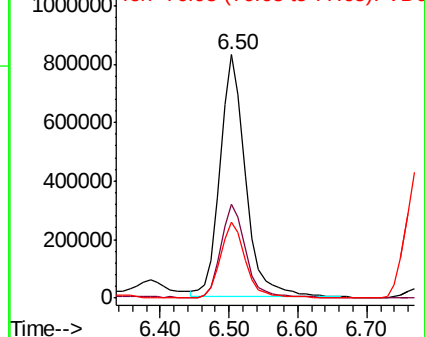
77 30.9 25.3 37.9

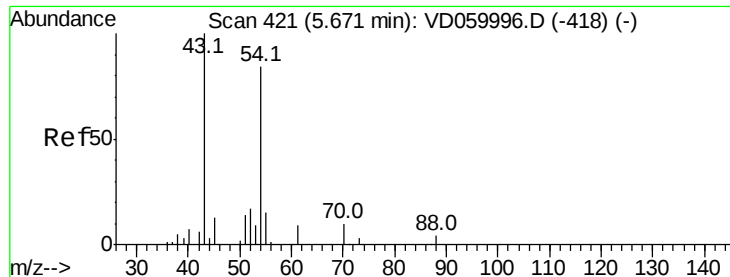


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

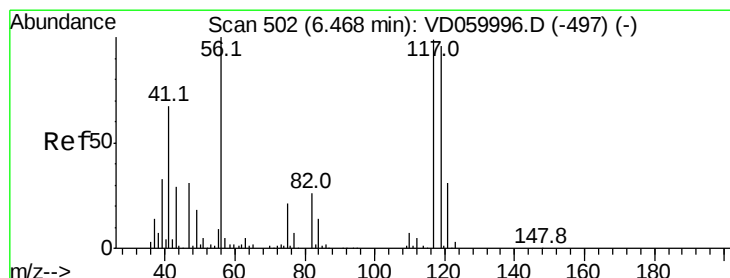
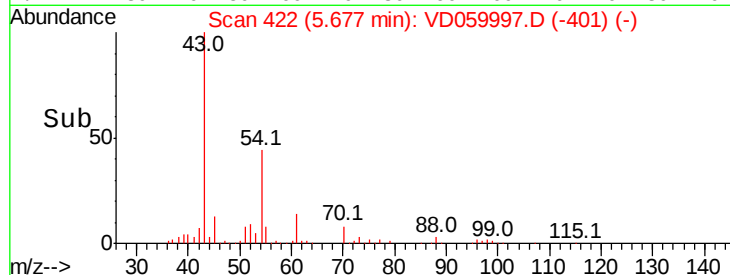
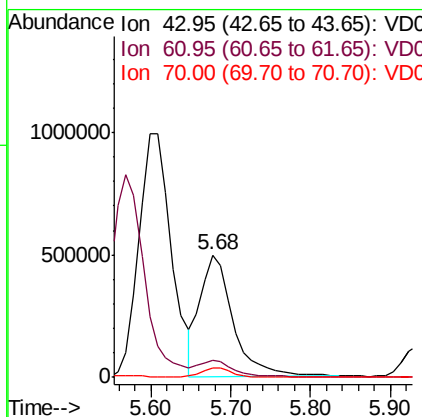
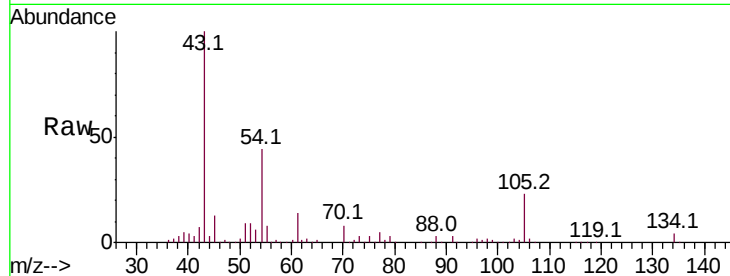




#37
Ethyl Acetate
Concen: 88.375 ug/l
RT: 5.68 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

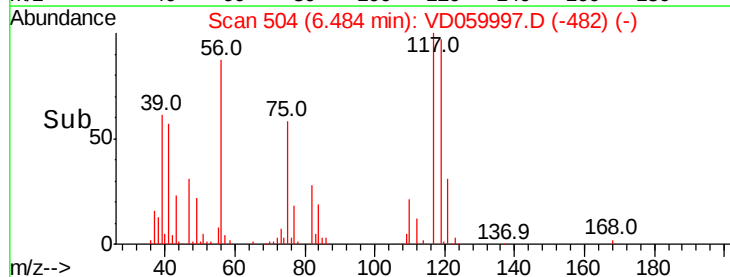
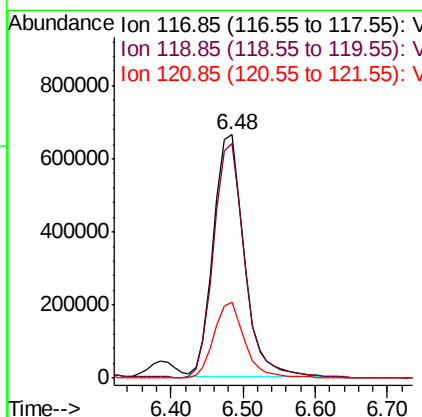
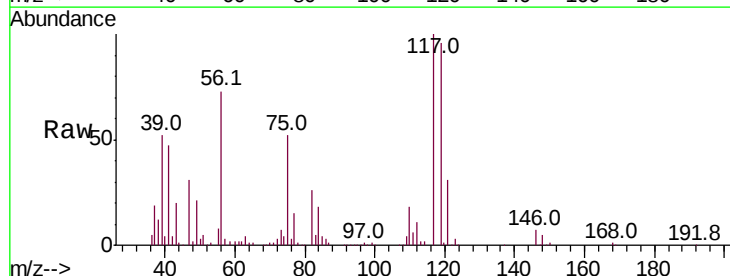
Instrument :
MSVOA_D
ClientSampleId :

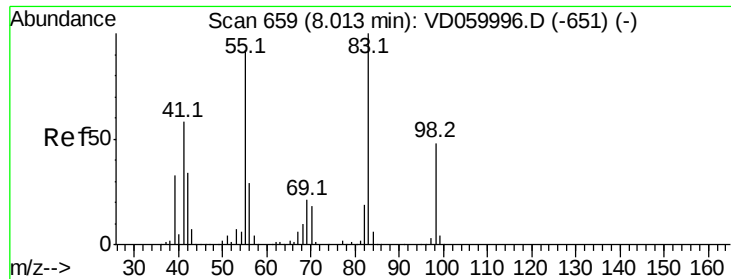
Tot Ion: 43 Resp: 1413551
Ion Ratio Lower Upper
43 100
61 14.0 10.2 15.2
70 7.5 6.1 9.1



#38
Carbon Tetrachloride
Concen: 92.375 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.02 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 117 Resp: 1959197
Ion Ratio Lower Upper
117 100
119 96.2 76.7 115.1
121 31.2 24.9 37.3

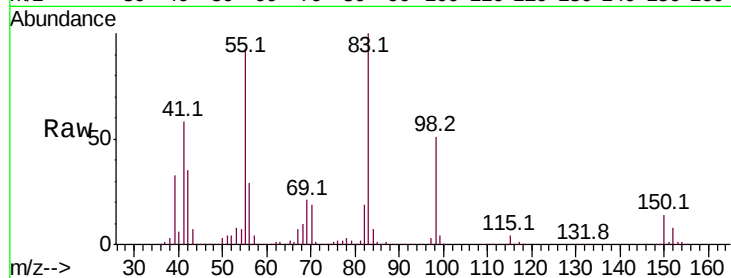




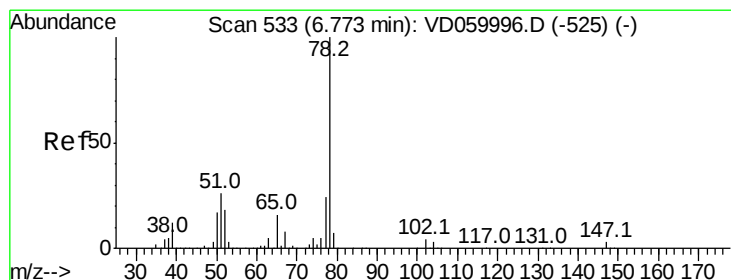
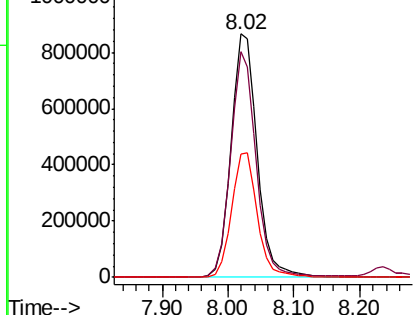
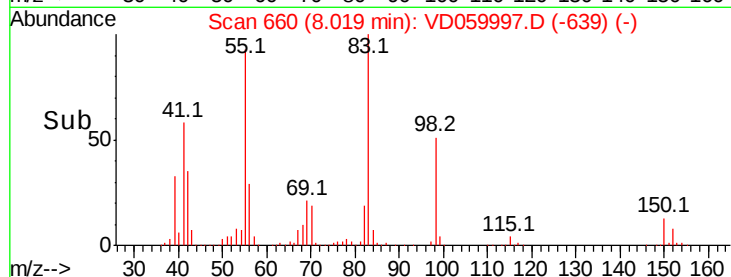
#39
Methvlcvclohexane
Concen: 104.801 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 2415694
Ion Ratio Lower Upper
83 100
55 92.9 73.8 110.6
98 50.9 38.1 57.1

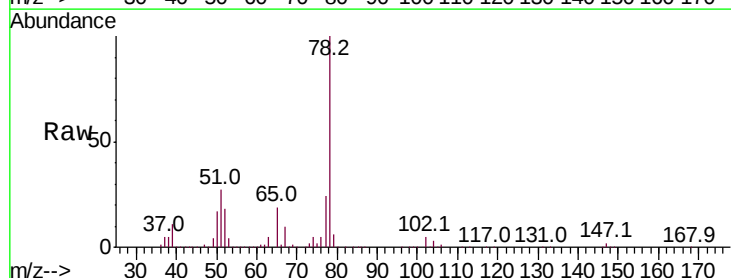


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

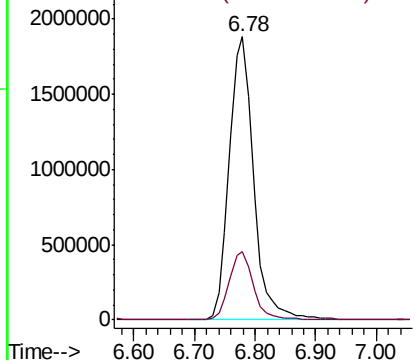
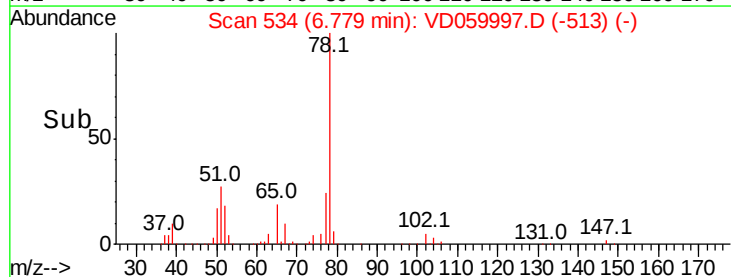


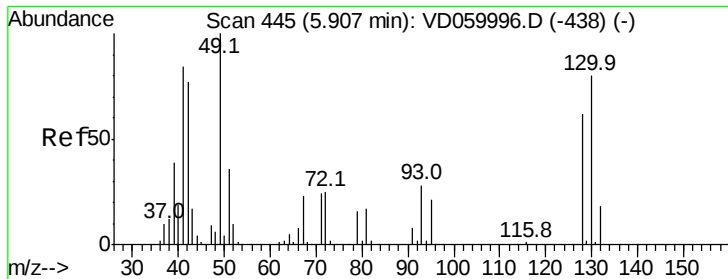
#40
Benzene
Concen: 95.933 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 78 Resp: 5282806
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 205.526 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.03 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 1669229

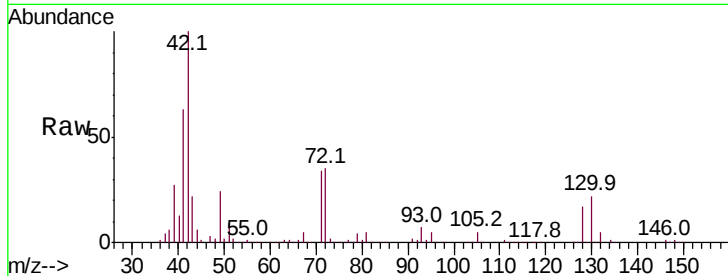
Ion Ratio Lower Upper

41 100

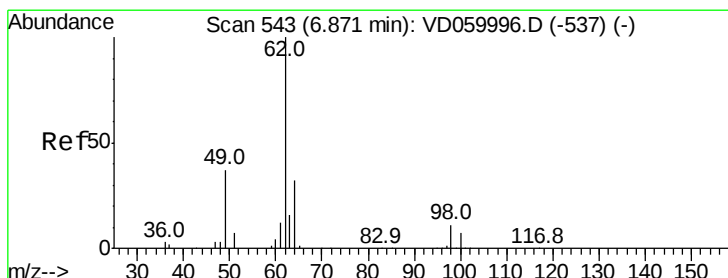
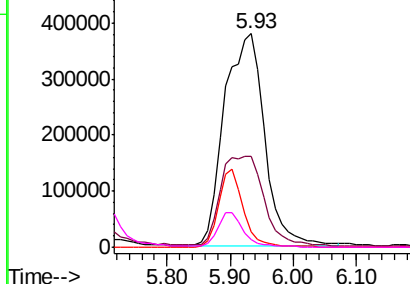
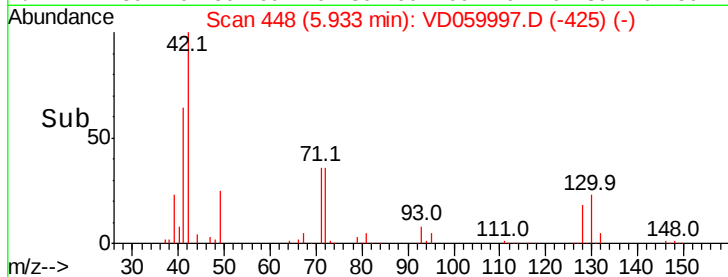
39 42.6 37.5 56.3

67 7.3 21.5 32.3#

52 3.5 9.2 13.8#



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



#42

1,2-Dichloroethane

Concen: 95.878 ug/l

RT: 6.88 min Scan# 544

Delta R.T. 0.01 min

Lab File: VD059997.D

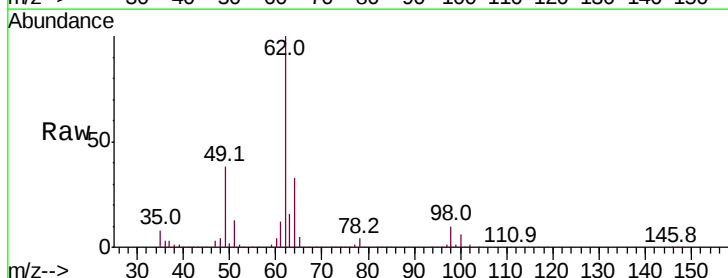
Acq: 13 Sep 2018 15:03

Tgt Ion: 62 Resp: 1658707

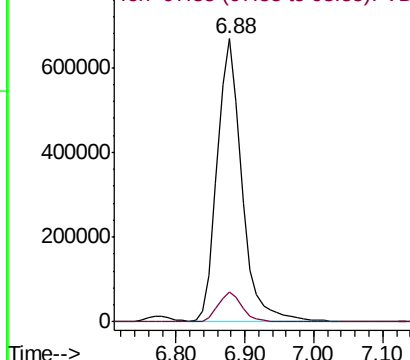
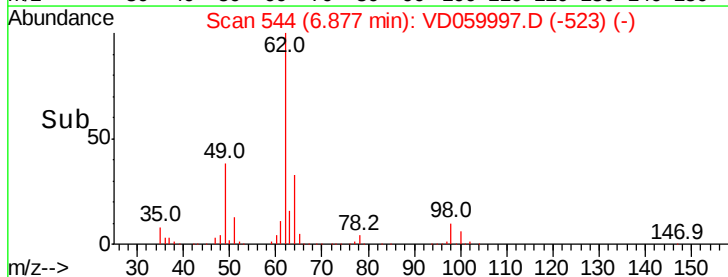
Ion Ratio Lower Upper

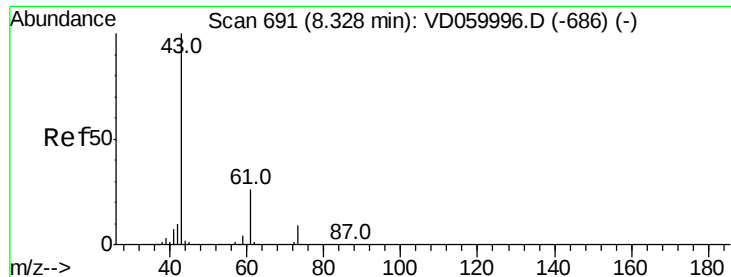
62 100

98 10.4 0.0 21.4



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



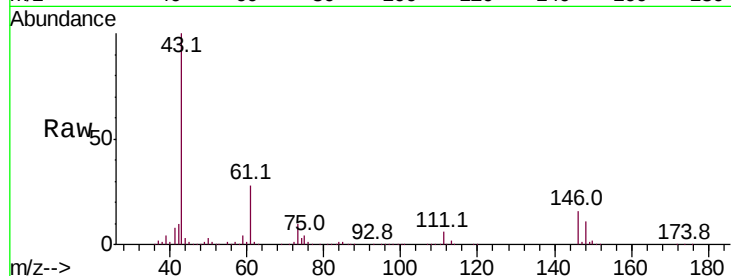


#43

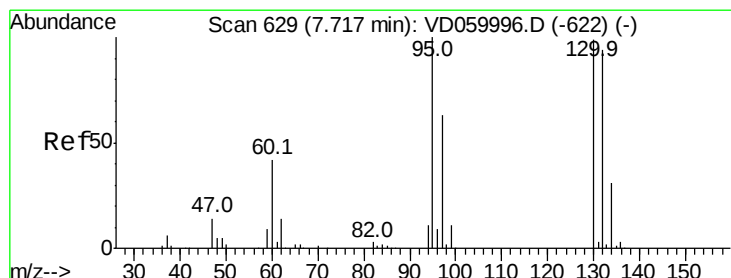
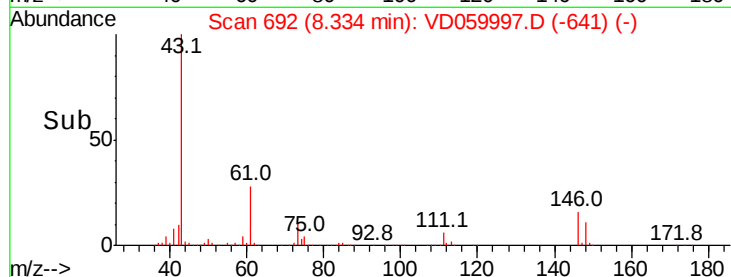
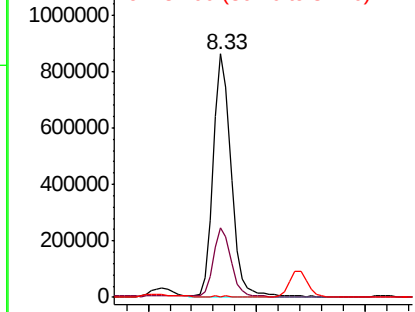
Isopropyl Acetate
 Concen: 94.882 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 1987639
 Ion Ratio Lower Upper
 43 100
 61 28.5 21.0 31.6
 87 0.4 0.2 0.2#



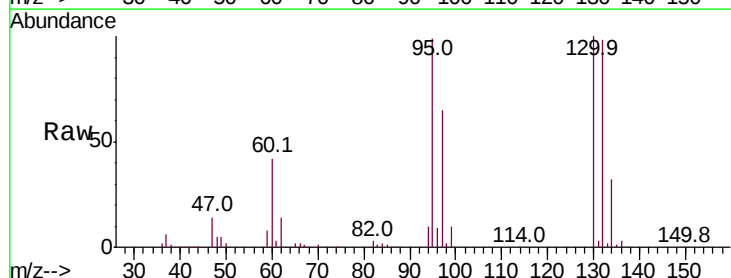
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



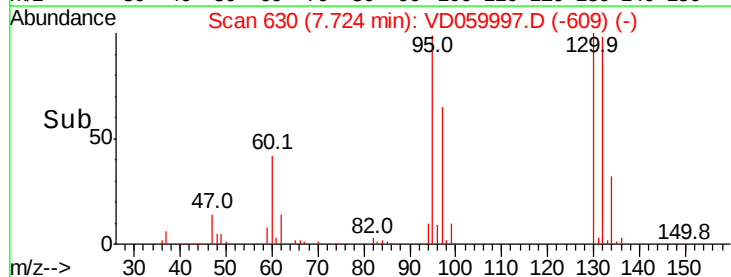
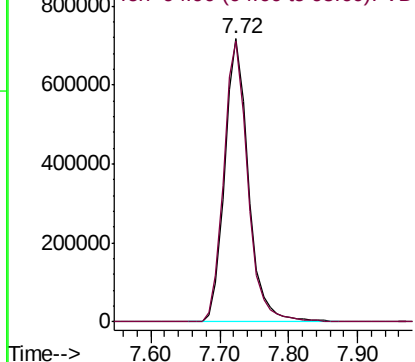
#44

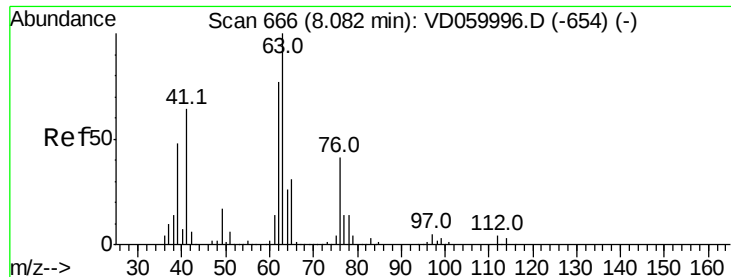
Trichloroethene
 Concen: 104.778 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion:130 Resp: 1710248
 Ion Ratio Lower Upper
 130 100
 95 99.4 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 95.911 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

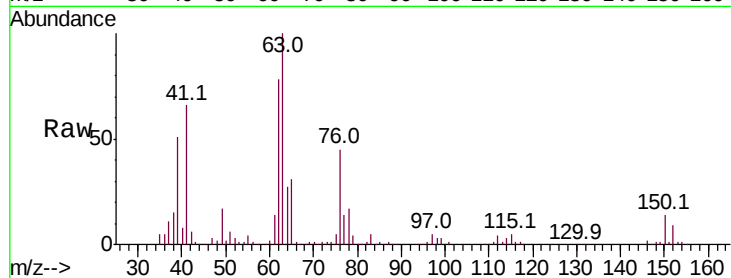
ClientSampleId :

Tot Ion: 63 Resp: 1458942

Ion Ratio Lower Upper

63 100

65 31.1 24.6 37.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

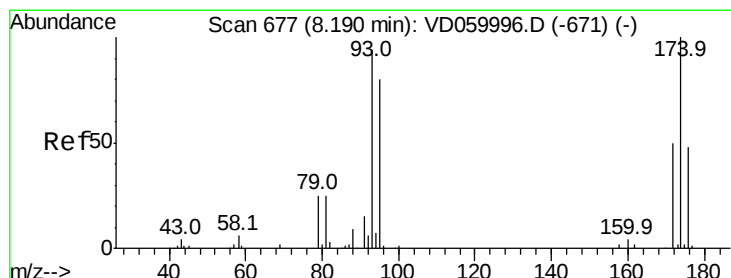
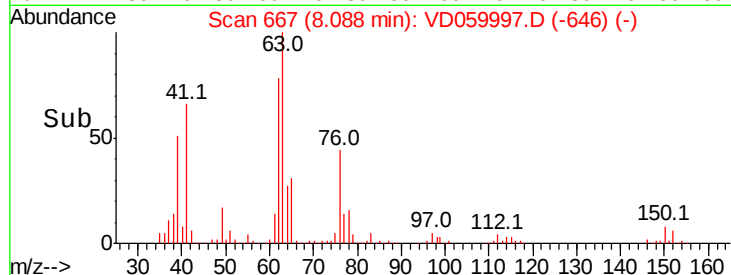
600000

400000

200000

0

Time-->



#46

Dibromomethane

Concen: 98.257 ug/l

RT: 8.21 min Scan# 679

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

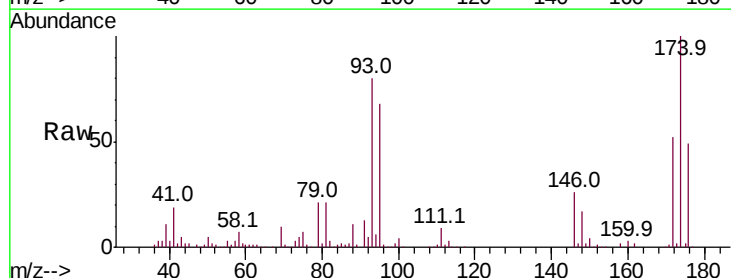
Tgt Ion: 93 Resp: 962041

Ion Ratio Lower Upper

93 100

95 85.4 68.0 102.0

174 124.9 85.4 128.2



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

8.21

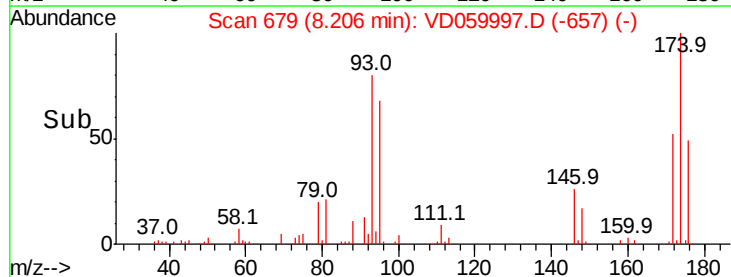
600000

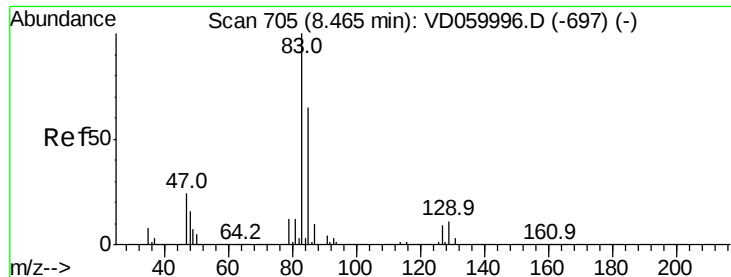
400000

200000

0

Time-->





#47

Bromodichloromethane

Concen: 97.842 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

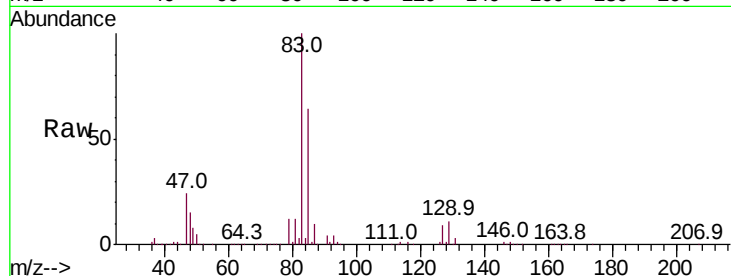
Tot Ion: 83 Resp: 2149583

Ion Ratio Lower Upper

83 100

85 63.9 51.9 77.9

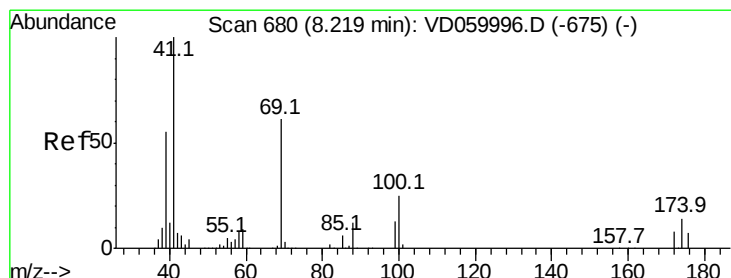
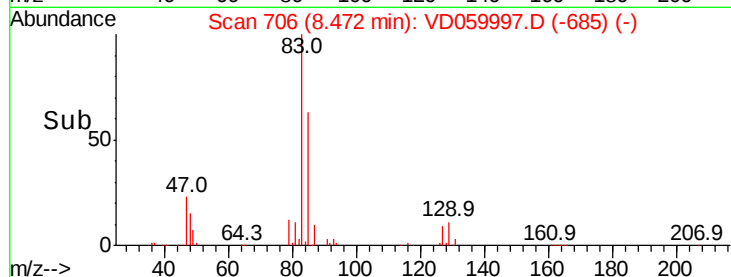
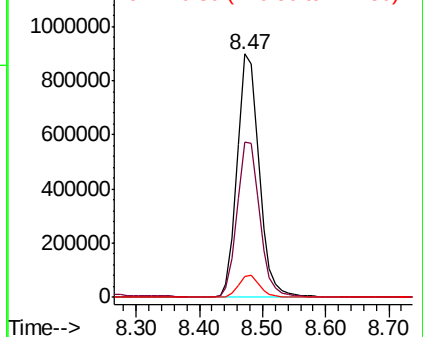
127 8.7 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 90.294 ug/l

RT: 8.24 min Scan# 682

Delta R.T. 0.02 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

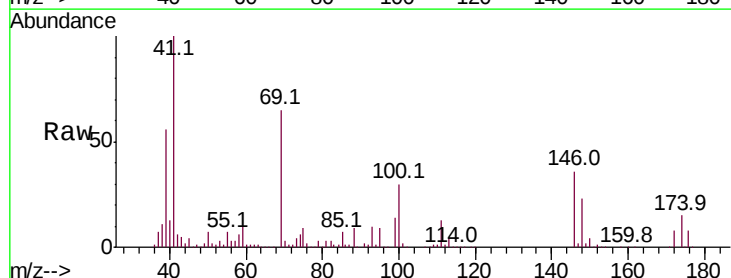
Tgt Ion: 41 Resp: 1100871

Ion Ratio Lower Upper

41 100

69 64.9 48.3 72.5

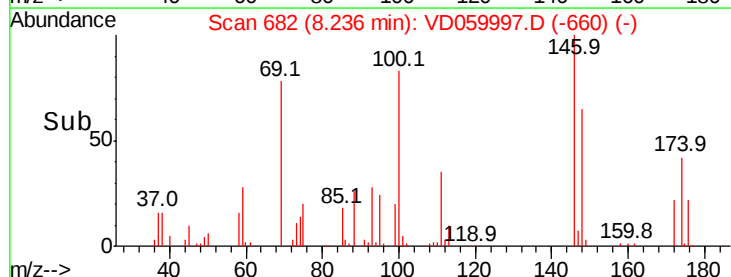
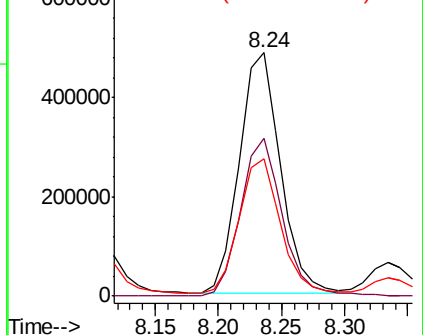
39 56.4 44.1 66.1

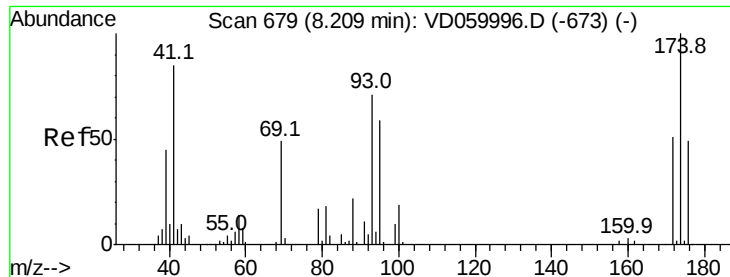


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 2035.657 ug/l

RT: 8.22 min Scan# 680

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampled :

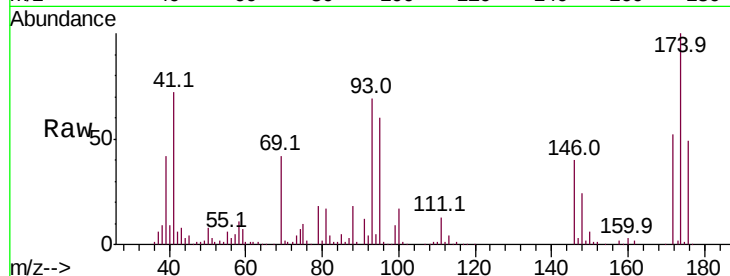
Tot Ion: 88 Resp: 224868

Ion Ratio Lower Upper

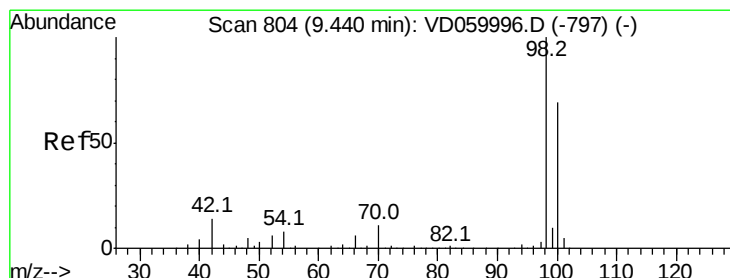
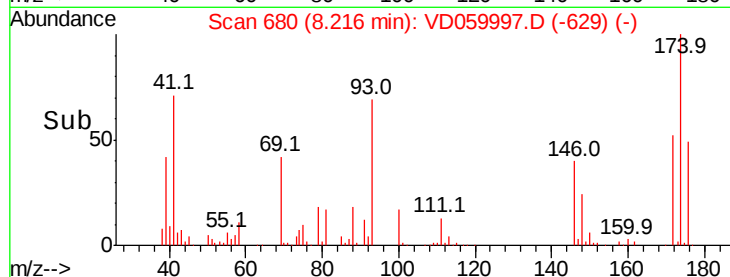
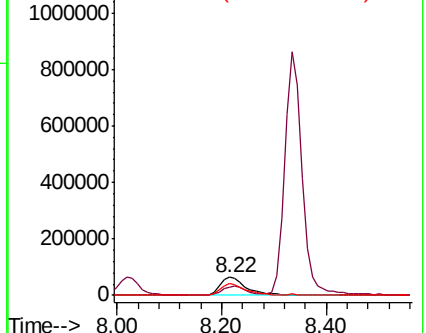
88 100

43 42.8 36.2 54.2

58 64.4 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: 2035.657 ug/l

RT: 9.45 min Scan# 805

Delta R.T. 0.01 min

Lab File: VD059997.D

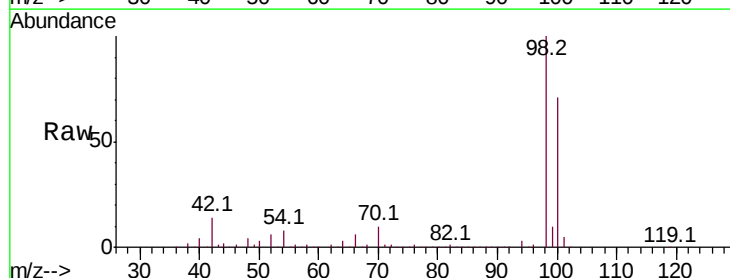
Acq: 13 Sep 2018 15:03

Tgt Ion: 98 Resp: 4578918

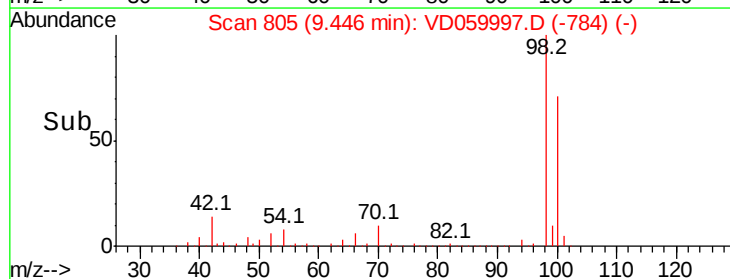
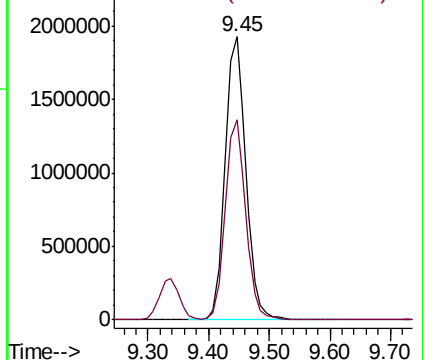
Ion Ratio Lower Upper

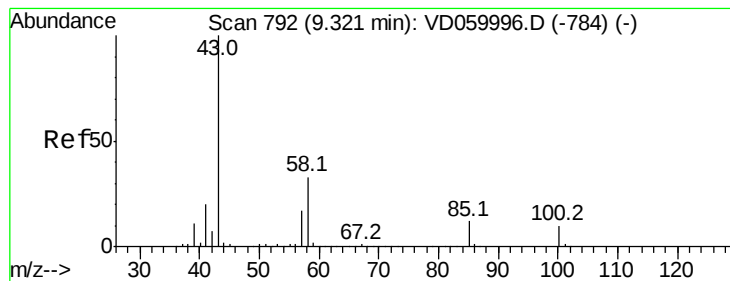
98 100

100 70.8 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: 398.835 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

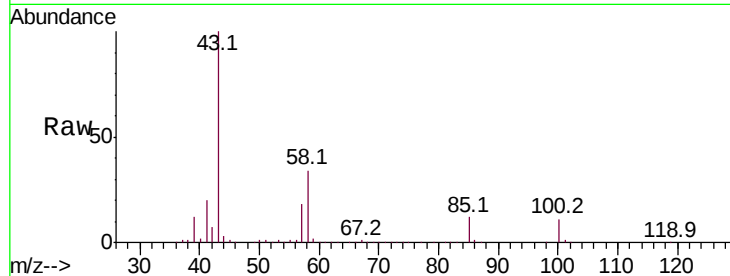
ClientSampled :

Tot Ion: 43 Resp: 5956639

Ion Ratio Lower Upper

43 100

58 34.4 26.4 39.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2500000

2000000

1500000

1000000

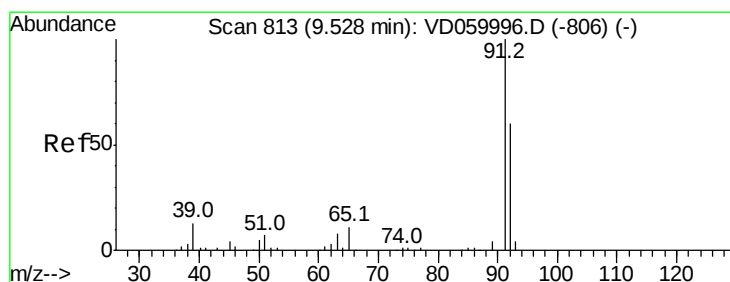
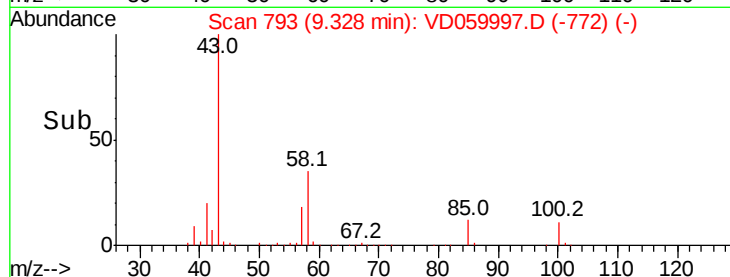
500000

0

9.33

9.20 9.30 9.40 9.50

Time-->



#52

Toluene

Concen: 99.048 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.01 min

Lab File: VD059997.D

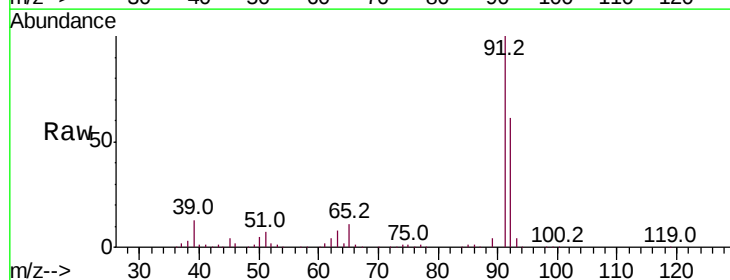
Acq: 13 Sep 2018 15:03

Tgt Ion: 92 Resp: 3490058

Ion Ratio Lower Upper

92 100

91 163.3 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

3000000

2500000

2000000

1500000

1000000

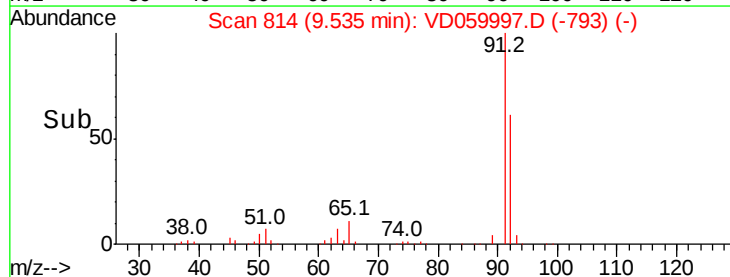
500000

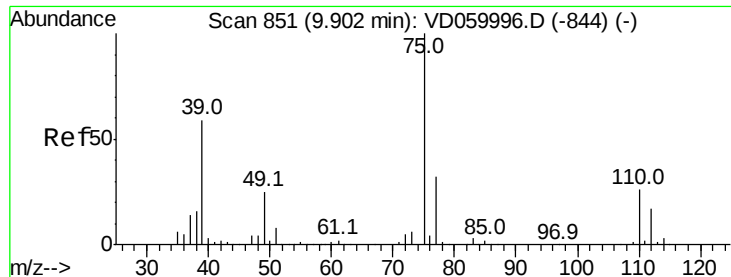
0

9.53

9.40 9.50 9.60 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 97.037 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

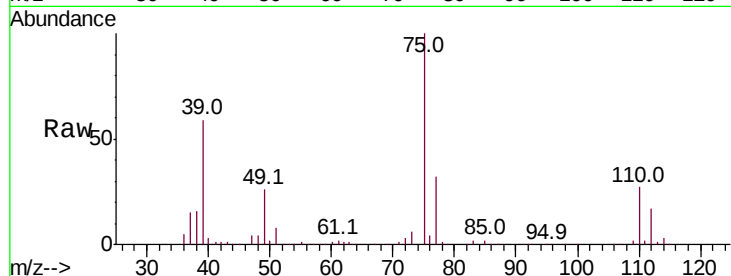
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 1966555

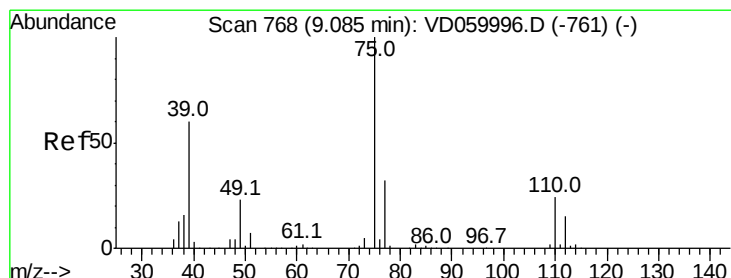
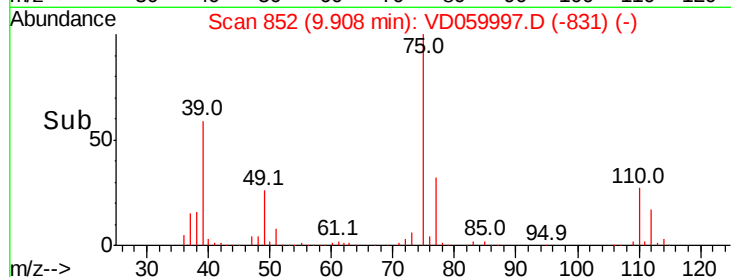
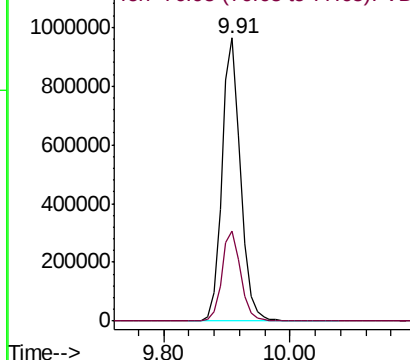
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



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



#54

cis-1,3-Dichloropropene

Concen: 98.321 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

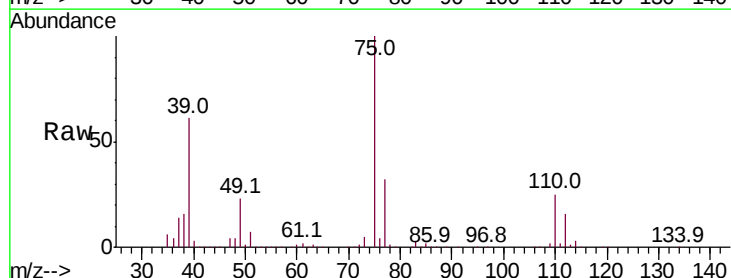
Tgt Ion: 75 Resp: 2339330

Ion Ratio Lower Upper

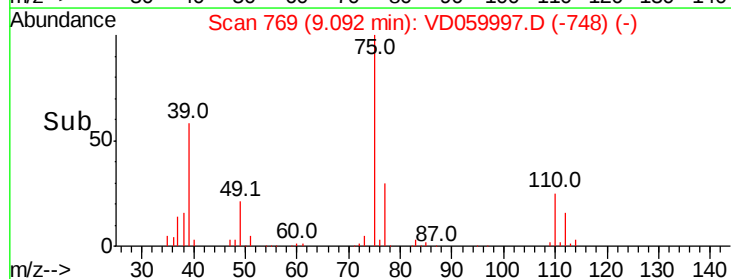
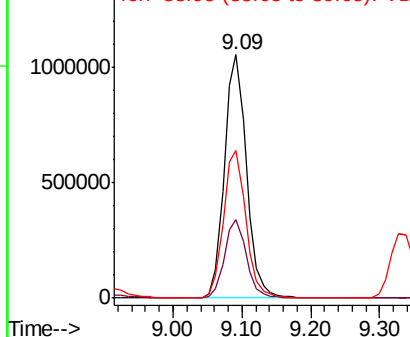
75 100

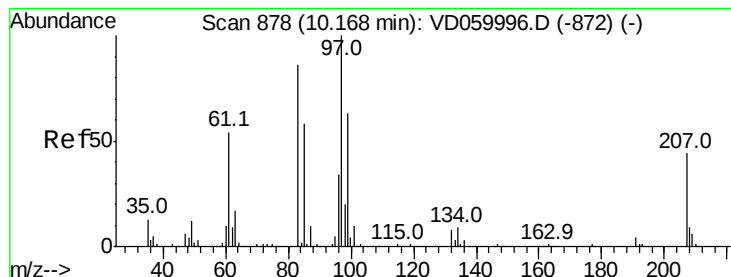
77 32.3 25.5 38.3

39 60.9 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





#55

1,1,2-Trichloroethane

Concen: 93.731 ug/l

RT: 10.17 min Scan# 879

Delta R.T. 0.01 min

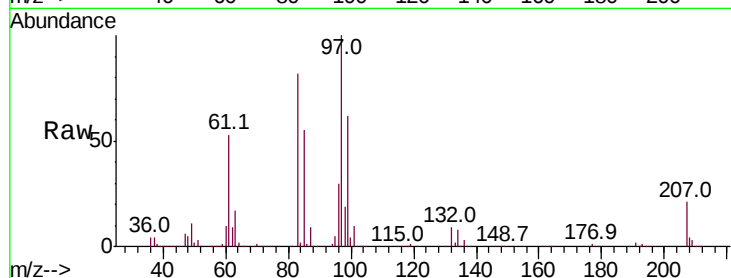
Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 97 Resp: 1190551

Ion	Ratio	Lower	Upper
97	100		
83	82.1	69.1	103.7
85	55.3	46.2	69.4
99	61.9	50.6	75.8

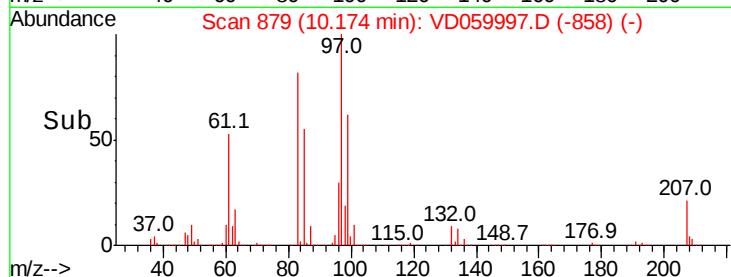


Abundance Ion 96.85 (96.55 to 97.55): VDC

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



Time-->

10.17

800000

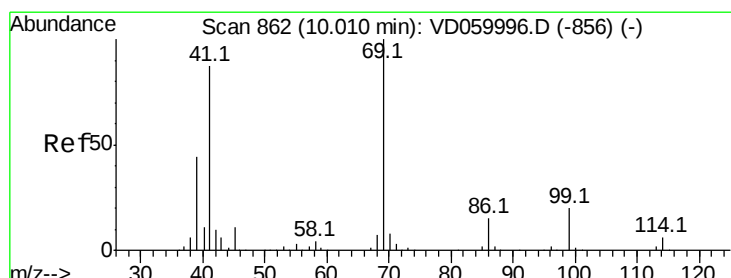
600000

400000

200000

0

10.00 10.20 10.40



#56

Ethyl methacrylate

Concen: 96.811 ug/l

RT: 10.02 min Scan# 863

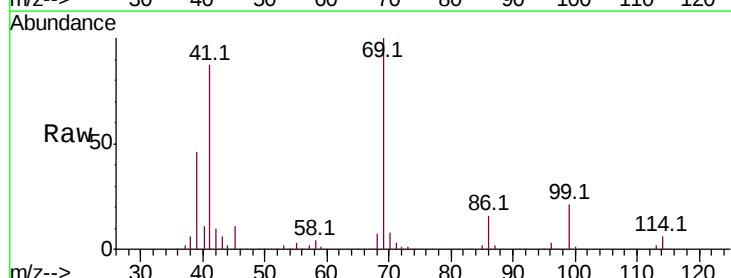
Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Tgt Ion: 69 Resp: 1408492

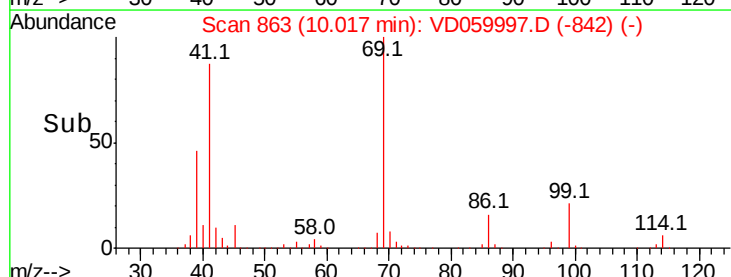
Ion	Ratio	Lower	Upper
69	100		
41	87.0	70.1	105.1
39	46.0	36.5	54.7



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



Time-->

10.02

800000

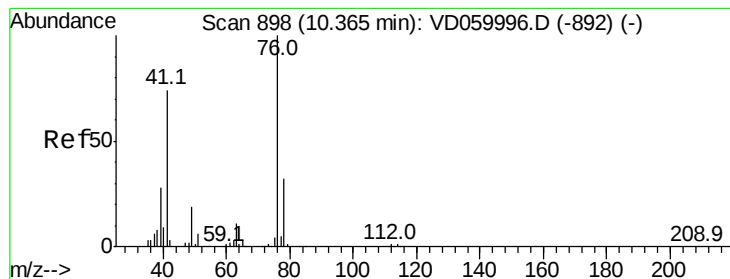
600000

400000

200000

0

9.90 10.00 10.10 10.20



#57

1,3-Dichloropropane

Concen: 98.660 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

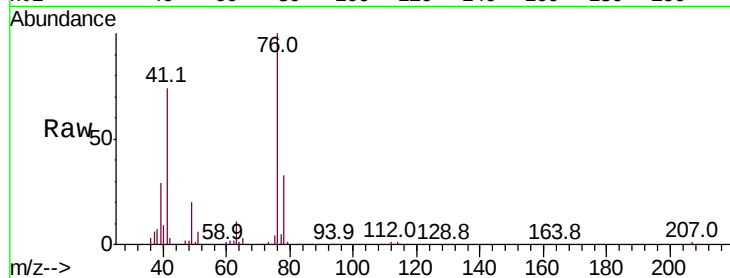
ClientSampled :

Tot Ion: 76 Resp: 1816197

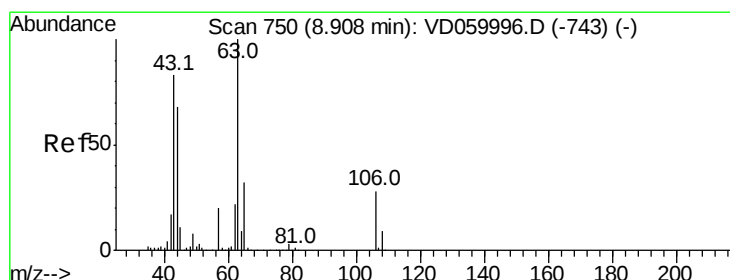
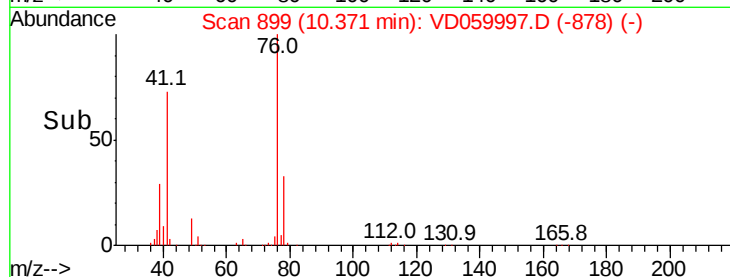
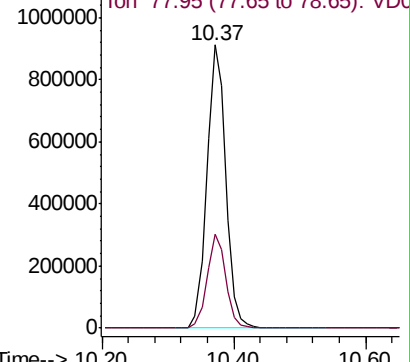
Ion Ratio Lower Upper

76 100

78 33.1 25.3 37.9



Abundance Ion 75.95 (75.65 to 76.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 452.896 ug/l

RT: 8.91 min Scan# 751

Delta R.T. 0.01 min

Lab File: VD059997.D

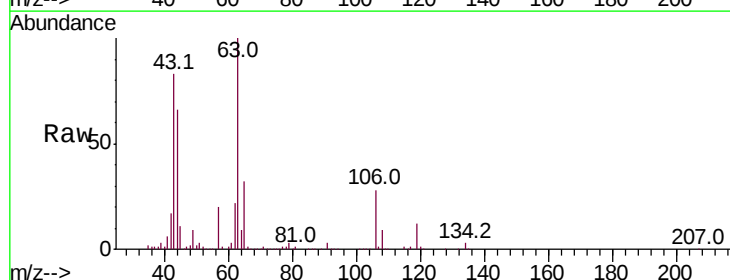
Acq: 13 Sep 2018 15:03

Tgt Ion: 63 Resp: 3156464

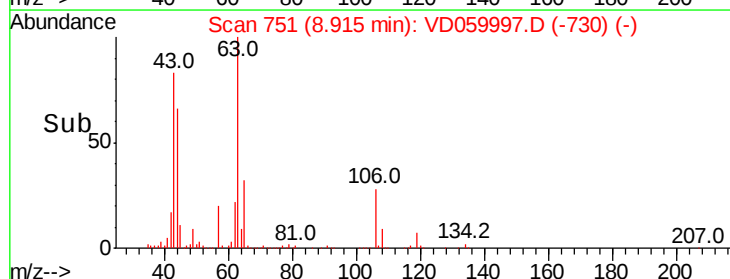
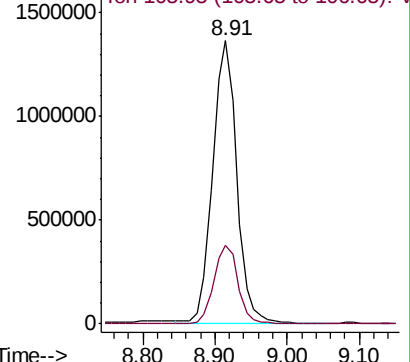
Ion Ratio Lower Upper

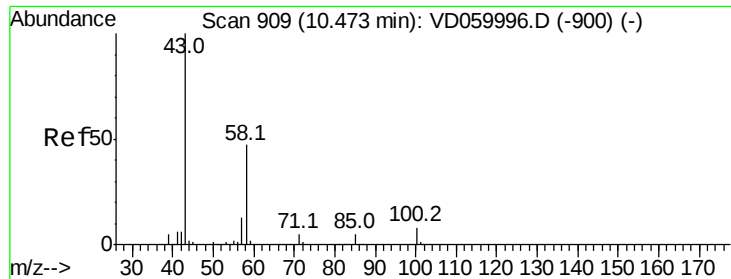
63 100

106 27.9 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

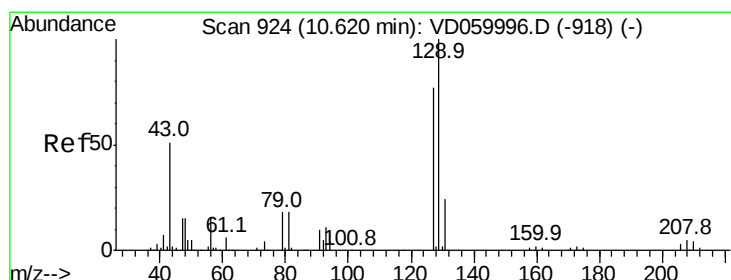
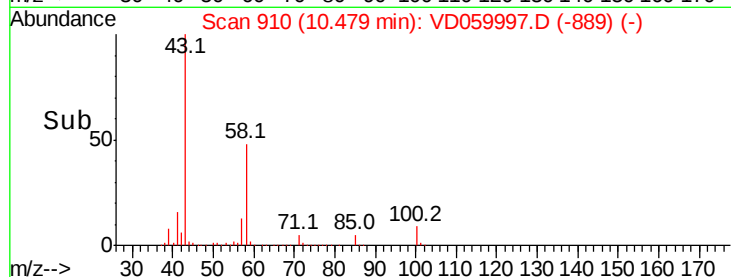
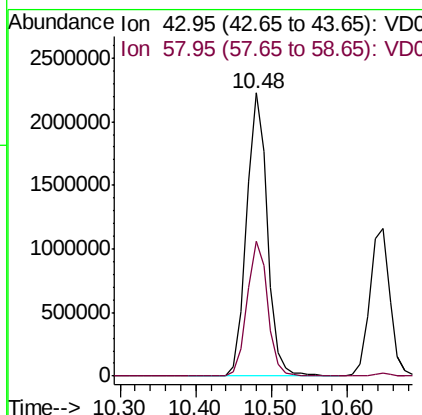
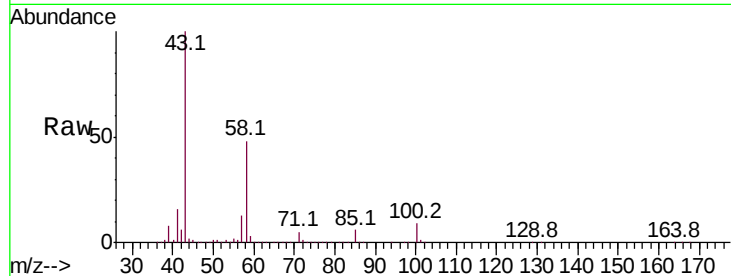




#59
2-Hexanone
Concen: 383.557 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

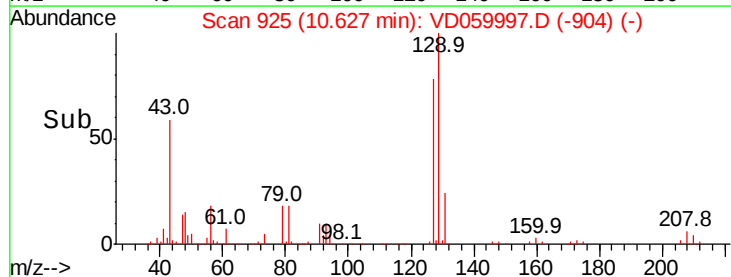
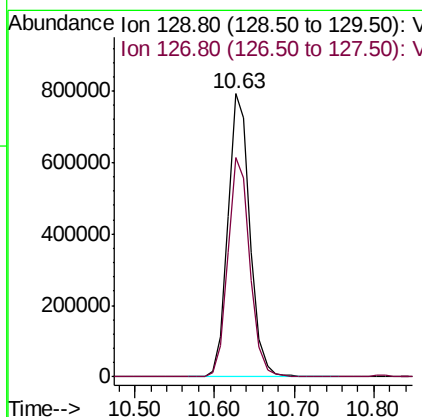
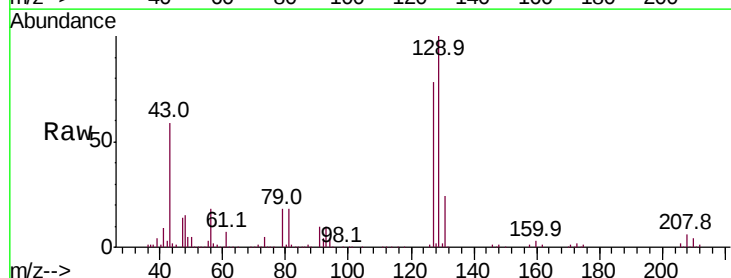
Instrument :
MSVOA_D
ClientSampled :

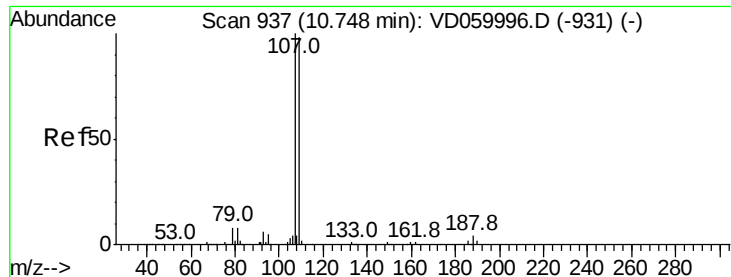
Tot Ion: 43 Resp: 4224530
Ion Ratio Lower Upper
43 100
58 47.8 23.4 70.0



#60
Dibromochloromethane
Concen: 96.366 ug/l
RT: 10.63 min Scan# 925
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 129 Resp: 1535826
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 101.651 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

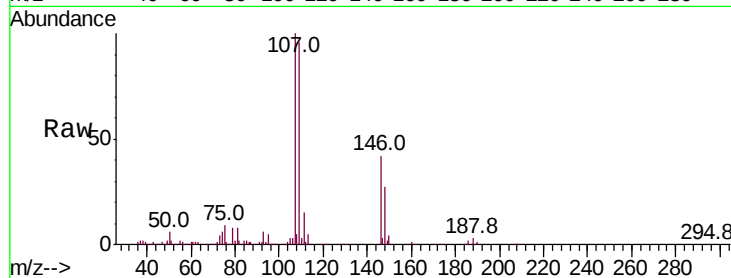
ClientSampleId :

Tot Ion:107 Resp: 1304489

Ion Ratio Lower Upper

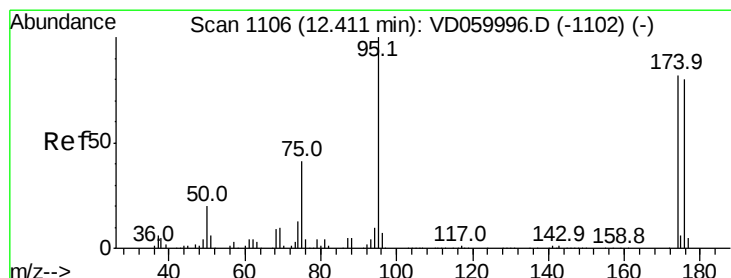
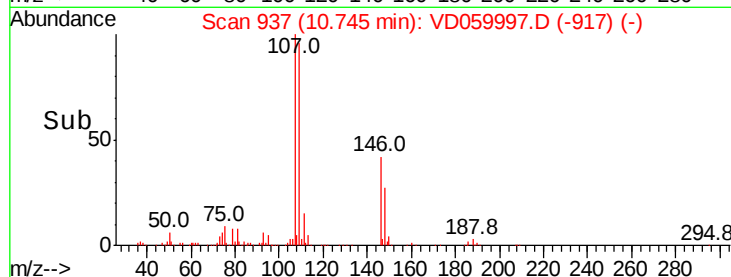
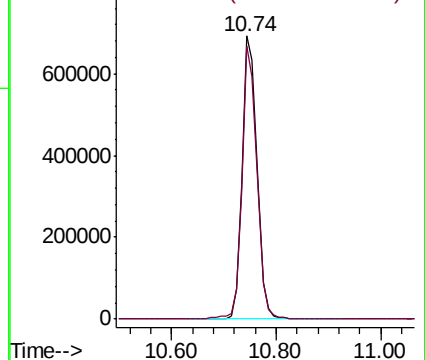
107 100

109 96.3 78.2 117.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 101.651 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

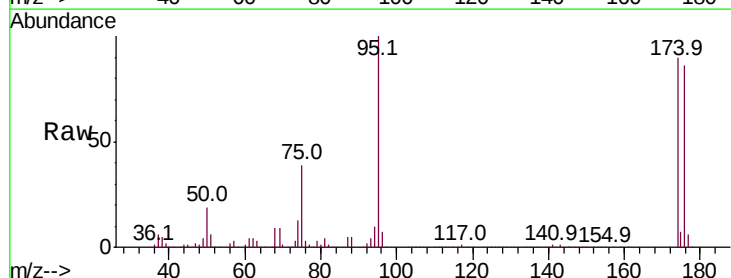
Tgt Ion: 95 Resp: 1738721

Ion Ratio Lower Upper

95 100

174 90.0 0.0 165.0

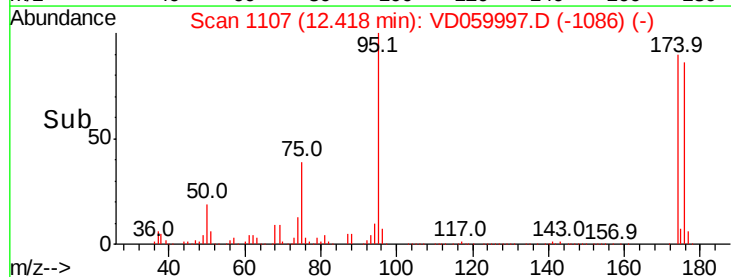
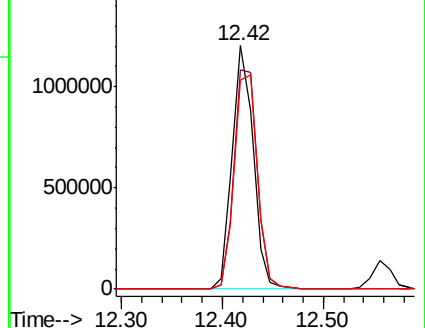
176 85.9 0.0 160.2

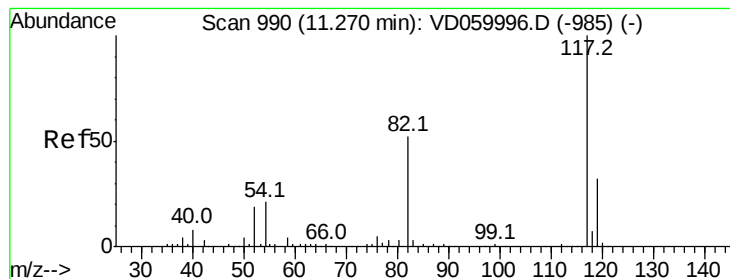


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :

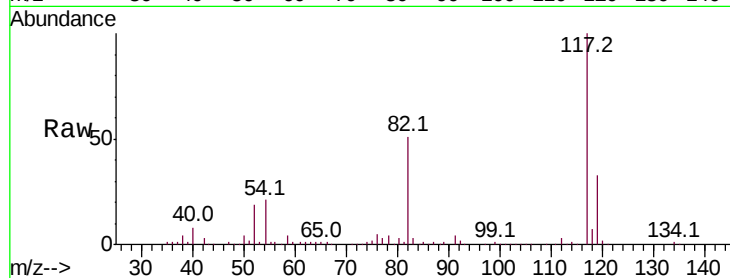
Tot Ion:117 Resp: 1973420

Ion Ratio Lower Upper

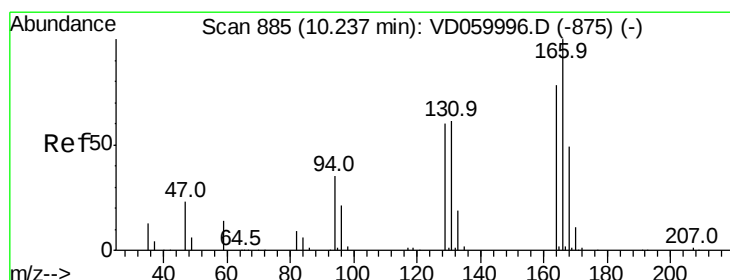
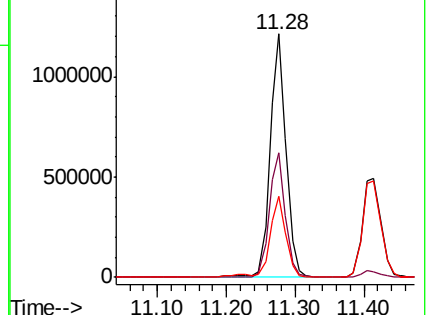
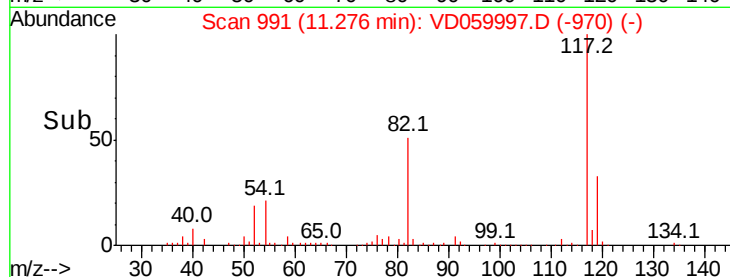
117 100

82 51.0 41.7 62.5

119 33.2 26.0 39.0



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



#64

Tetrachloroethene

Concen: 100.681 ug/l

RT: 10.24 min Scan# 886

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Tgt Ion:164 Resp: 1594115

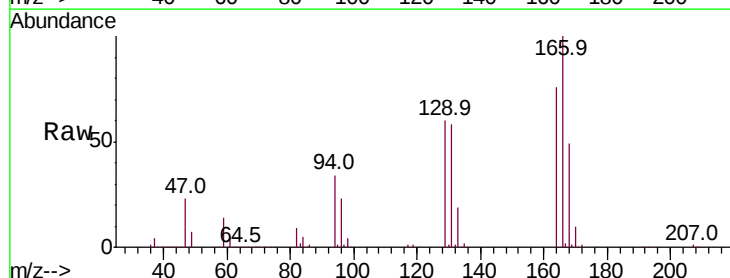
Ion Ratio Lower Upper

164 100

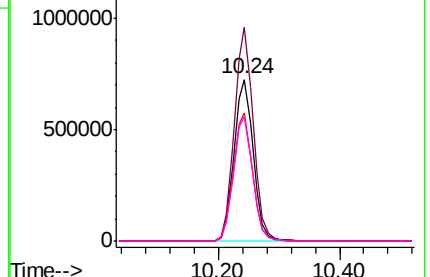
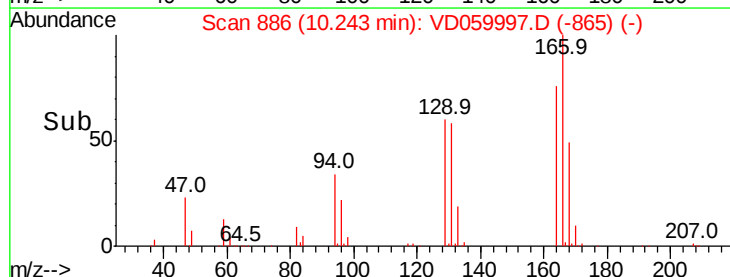
166 132.1 103.0 154.6

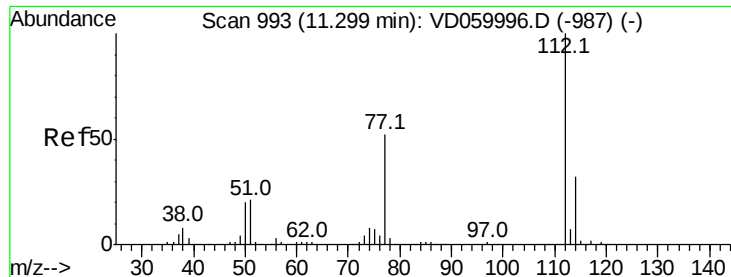
129 79.2 61.9 92.9

131 77.1 62.6 93.8



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





#65

Chlorobenzene

Concen: 93.407 ug/l

RT: 11.31 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

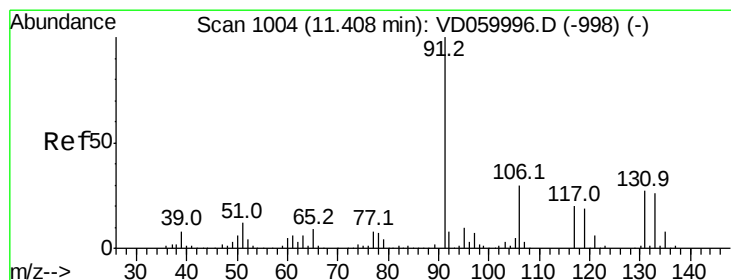
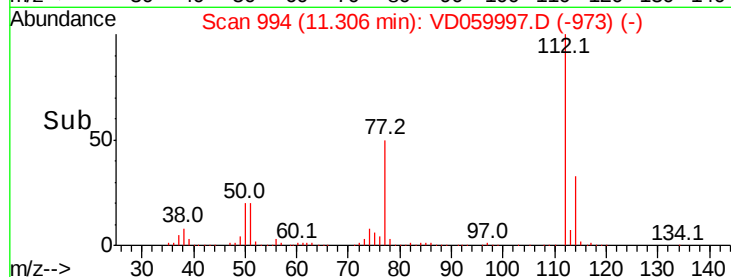
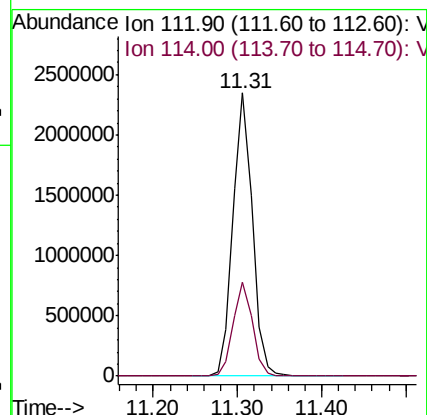
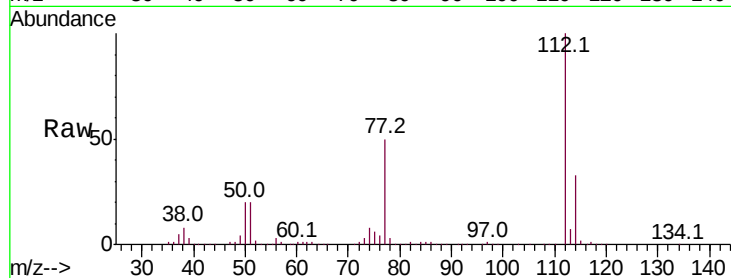
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 3759675

Ion Ratio Lower Upper

112 100

114 33.1 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 85.363 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

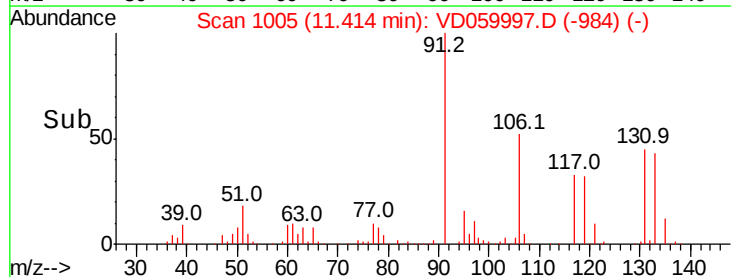
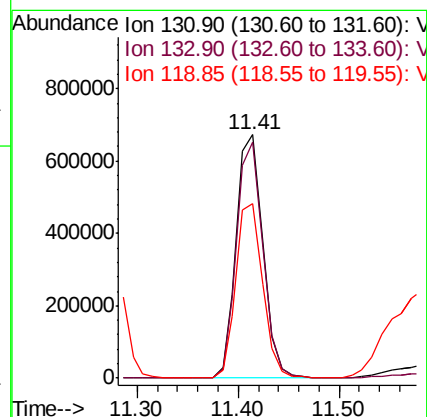
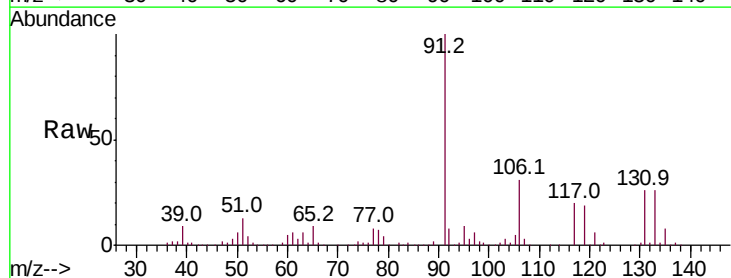
Tgt Ion:131 Resp: 1238242

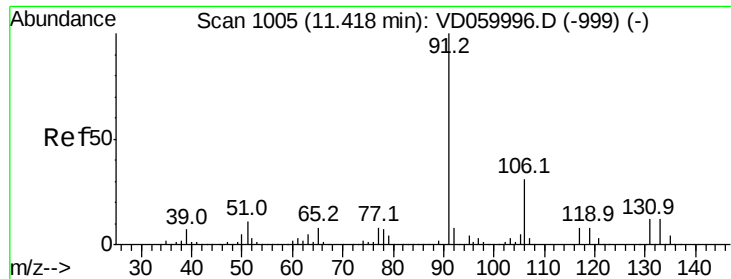
Ion Ratio Lower Upper

131 100

133 96.8 47.4 142.3

119 71.6 35.6 106.9

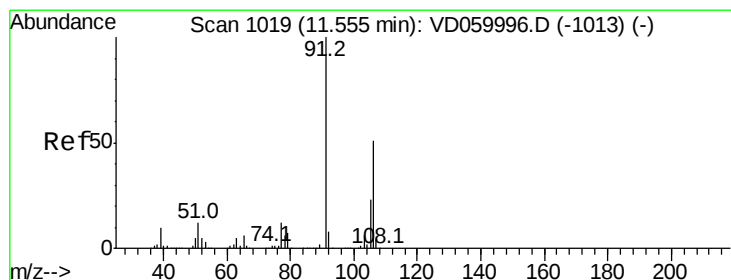
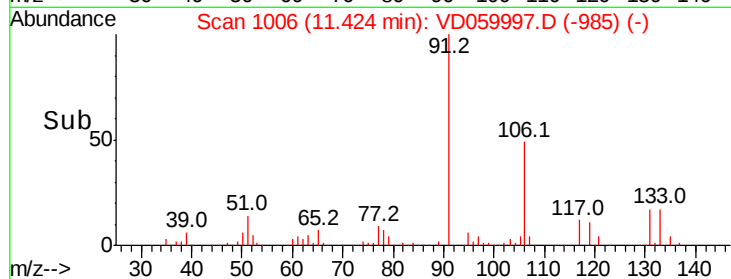
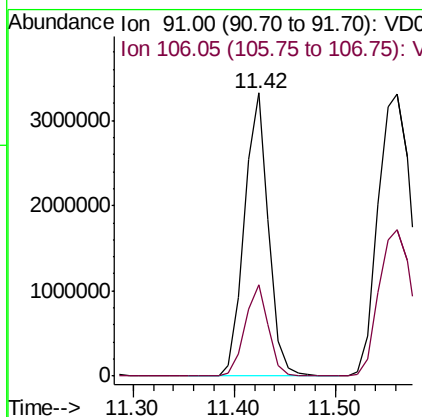
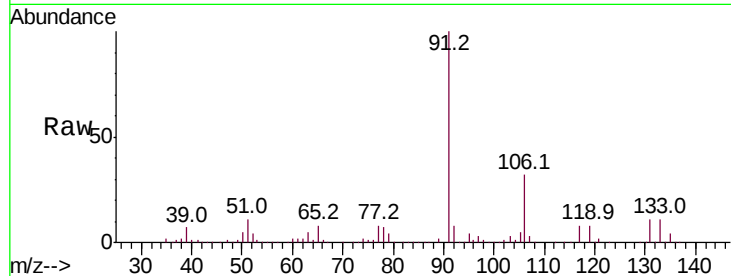




#67
Ethyl Benzene
Concen: 81.624 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

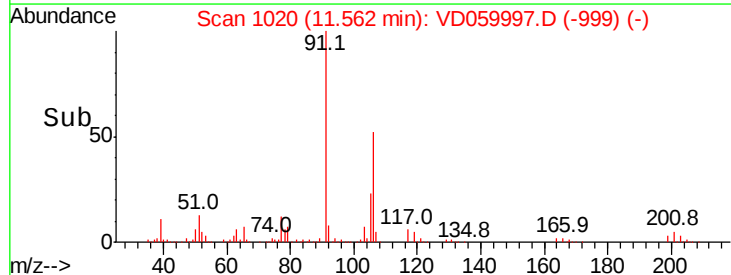
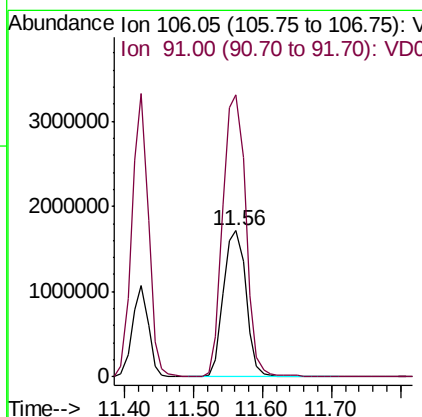
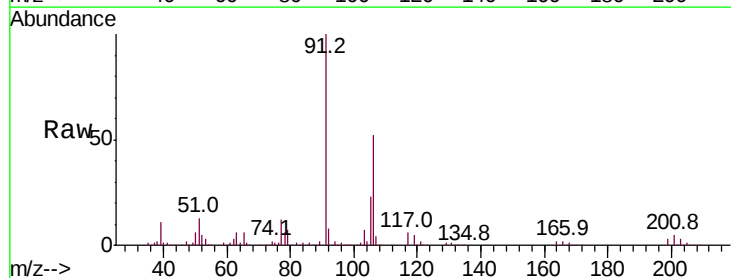
Instrument :
MSVOA_D
ClientSampled :

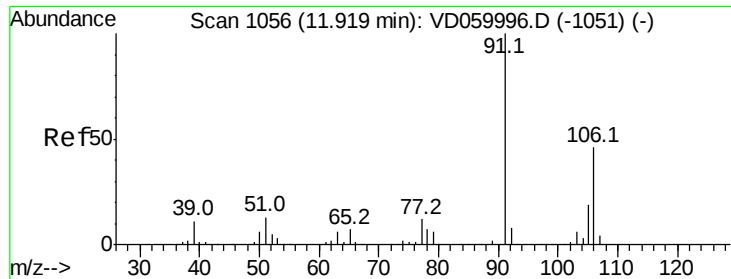
Tot Ion: 91 Resp: 5488536
Ion Ratio Lower Upper
91 100
106 32.3 24.8 37.2



#68
m/p-Xylenes
Concen: 157.276 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:106 Resp: 3887987
Ion Ratio Lower Upper
106 100
91 192.7 157.0 235.6

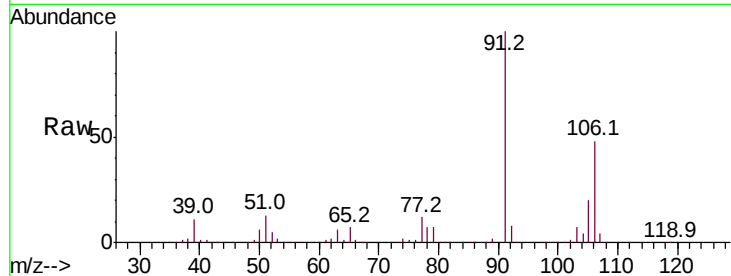




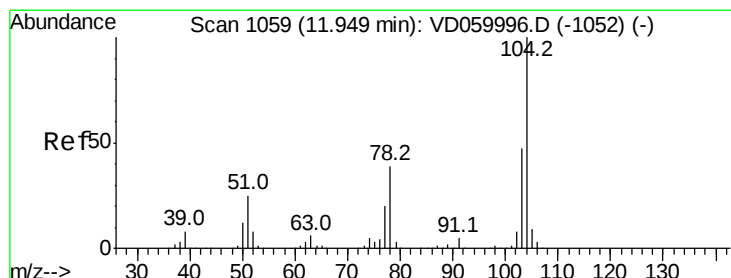
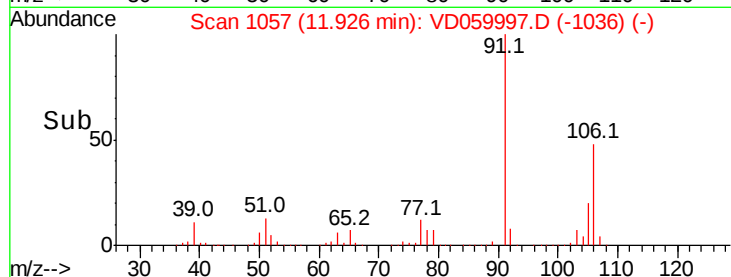
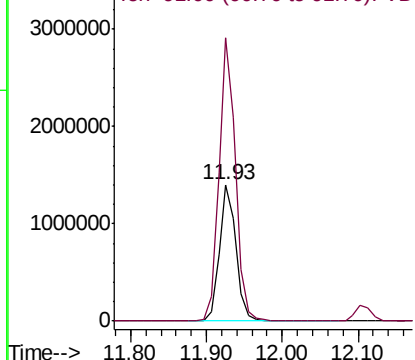
#69
o-Xylene
Concen: 88.846 ug/l
RT: 11.93 min Scan# 1057
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 2142242
Ion Ratio Lower Upper
106 100
91 207.4 107.7 323.1

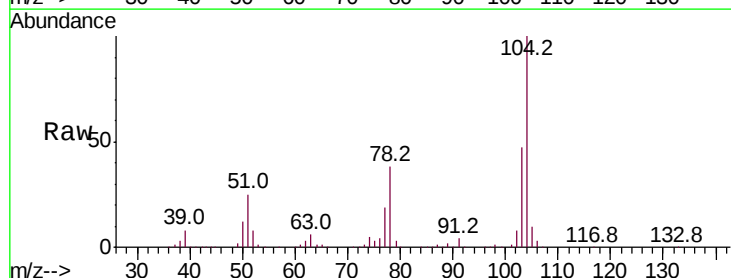


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

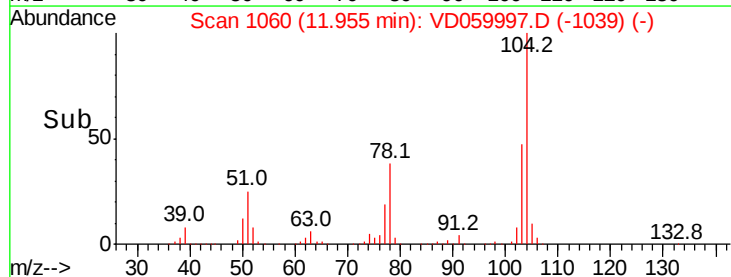
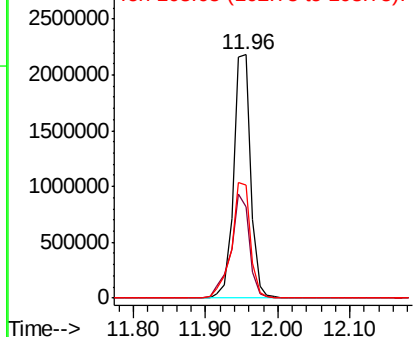


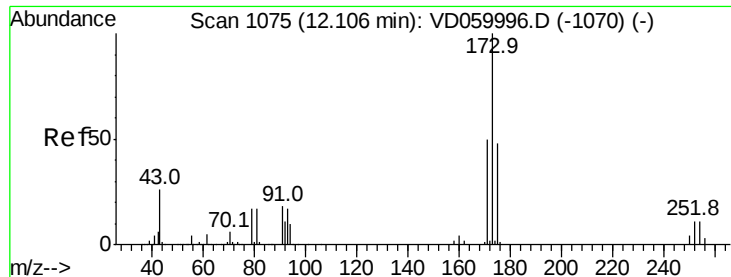
#70
Styrene
Concen: 86.946 ug/l
RT: 11.96 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:104 Resp: 3604865
Ion Ratio Lower Upper
104 100
78 37.6 31.0 46.4
103 46.5 37.6 56.4



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





#71

Bromoform

Concen: 97.076 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

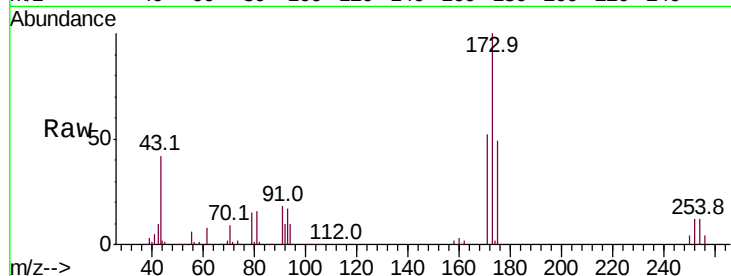
Tot Ion:173 Resp: 1216287

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.0	72.0
254	11.6	8.6	13.0

173 100

175 49.2 24.0 72.0

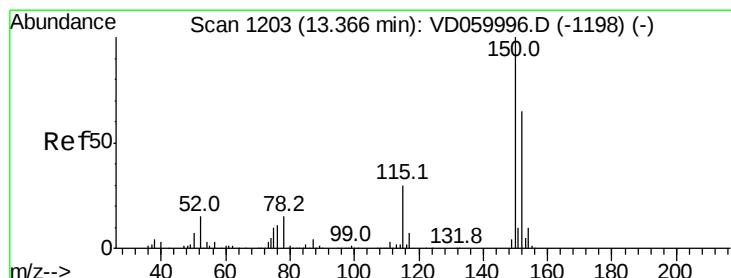
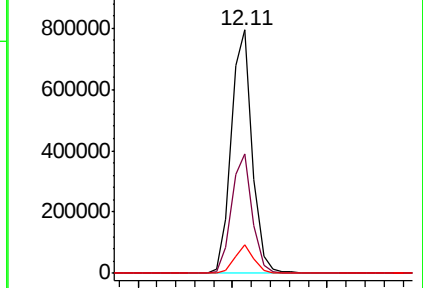
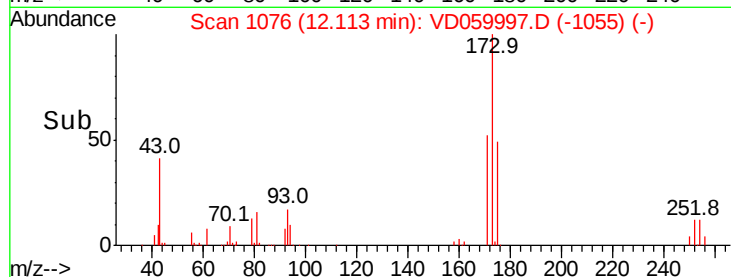
254 11.6 8.6 13.0



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

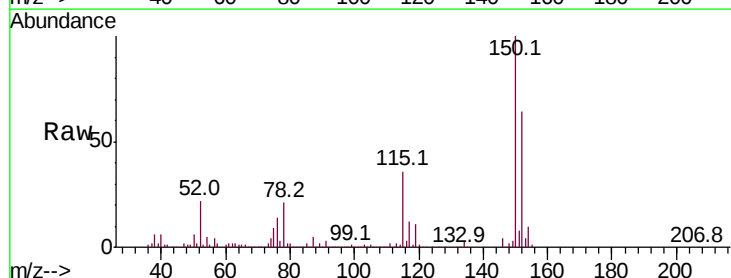
Tgt Ion:152 Resp: 1008488

Ion	Ratio	Lower	Upper
152	100		
115	56.9	24.6	73.8
150	156.2	0.0	313.4

152 100

115 56.9 24.6 73.8

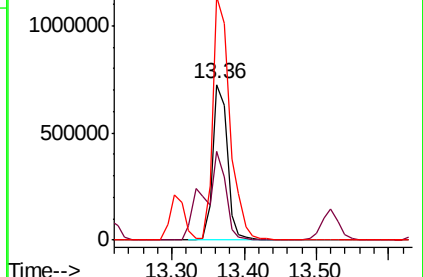
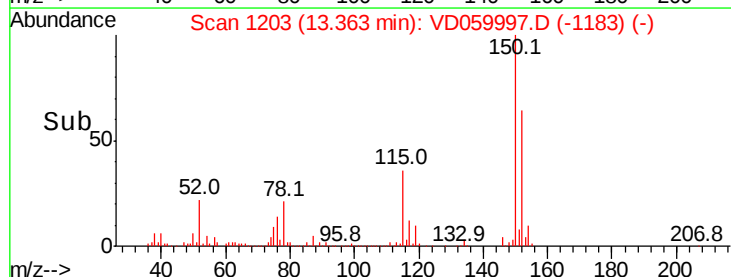
150 156.2 0.0 313.4

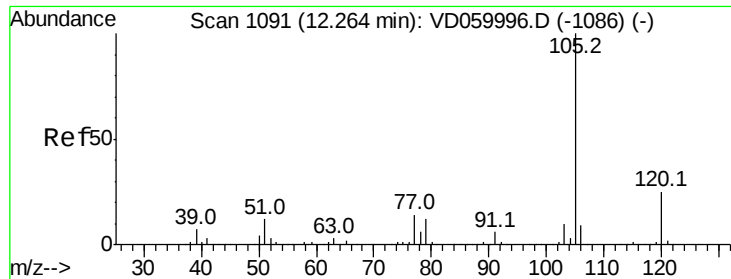


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 87.893 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

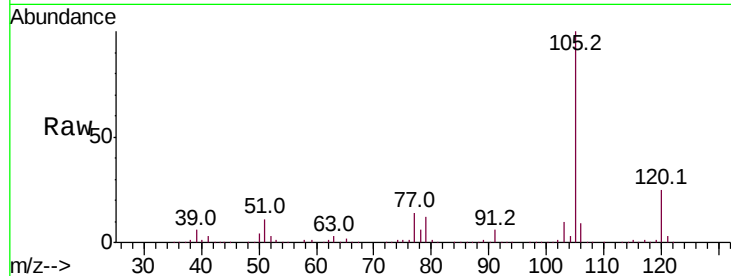
ClientSampleId :

Tot Ion:105 Resp: 5765541

Ion Ratio Lower Upper

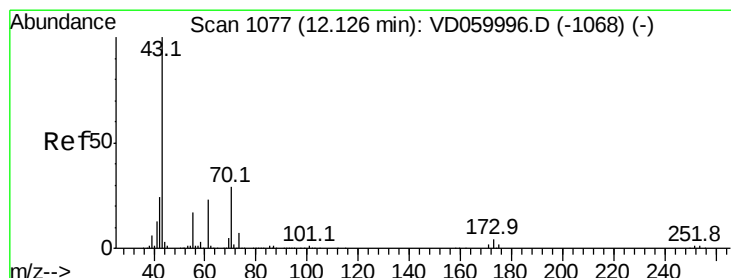
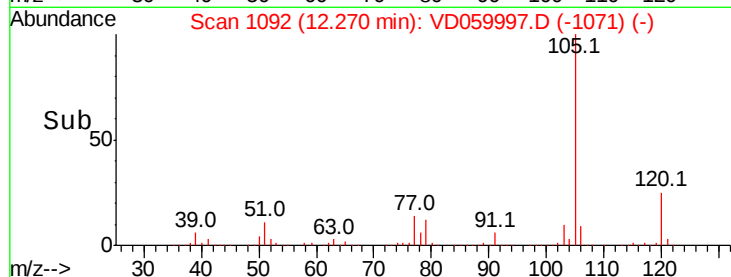
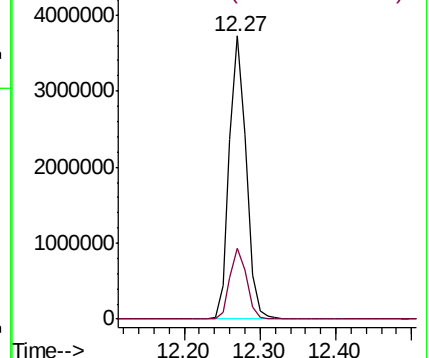
105 100

120 25.0 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: 85.136 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Tgt Ion: 43 Resp: 2385240

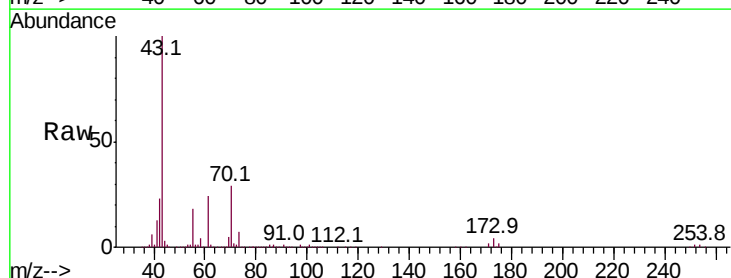
Ion Ratio Lower Upper

43 100

70 29.1 22.9 34.3

55 17.8 14.0 21.0

61 23.9 18.7 28.1

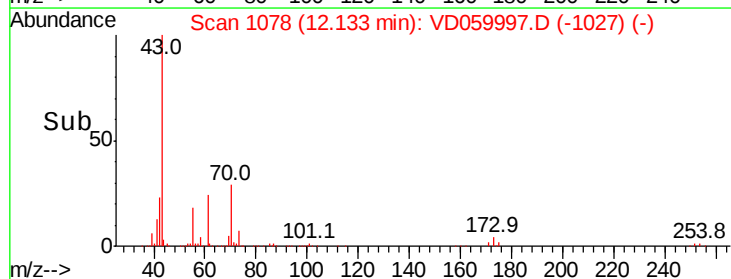
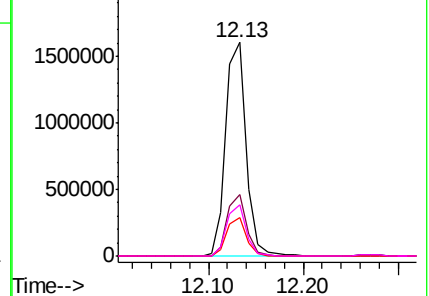


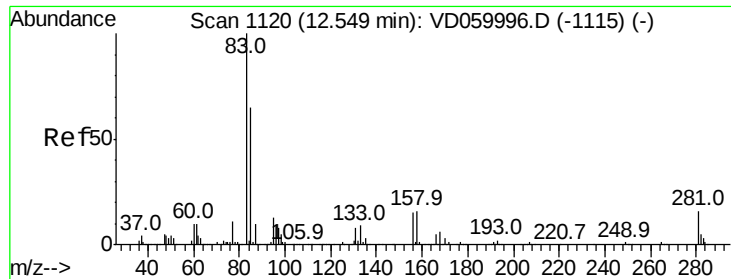
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 92.409 ug/l

RT: 12.56 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

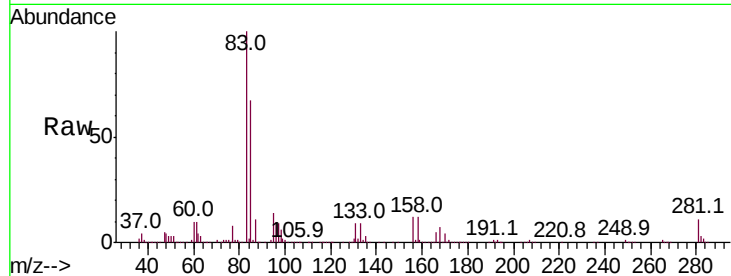
Tot Ion: 83 Resp: 1393258

Ion Ratio Lower Upper

83 100

131 8.7 4.1 12.3

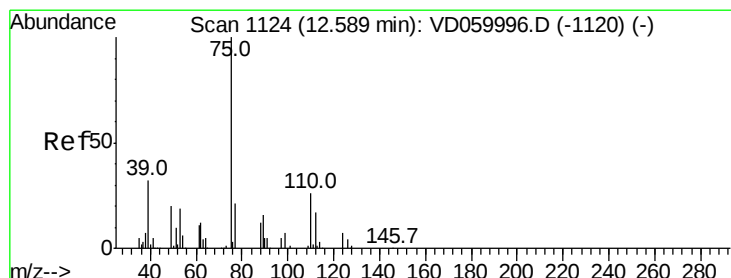
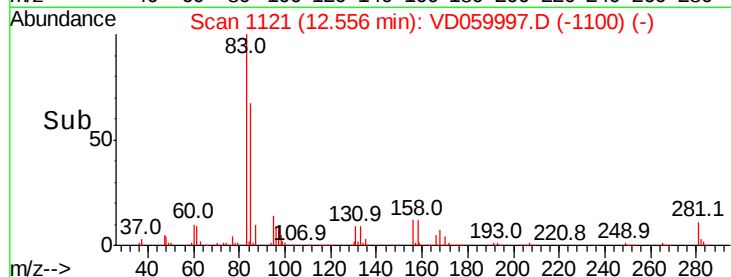
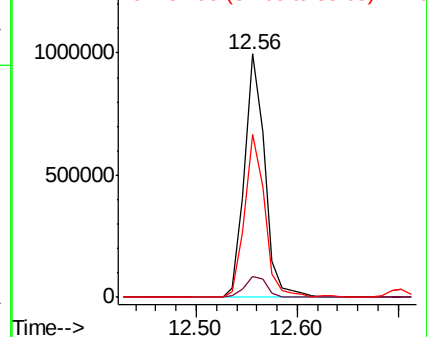
85 66.7 32.4 97.2



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 89.630 ug/l

RT: 12.60 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VD059997.D

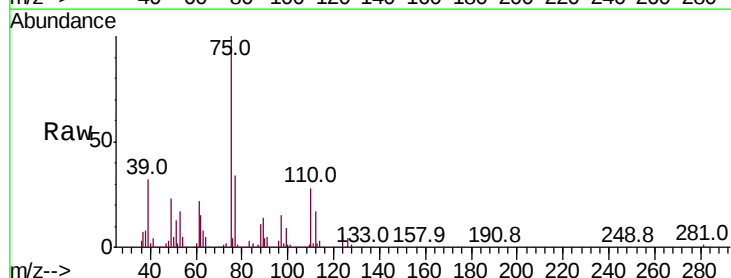
Acq: 13 Sep 2018 15:03

Tgt Ion: 75 Resp: 1407669

Ion Ratio Lower Upper

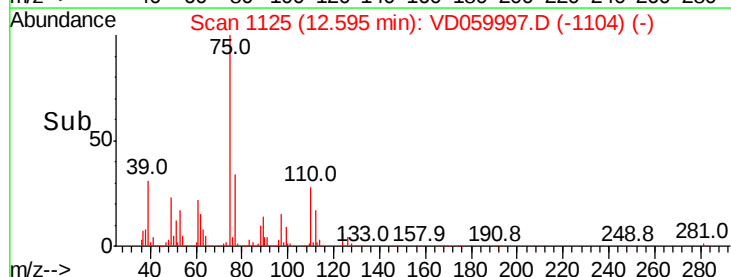
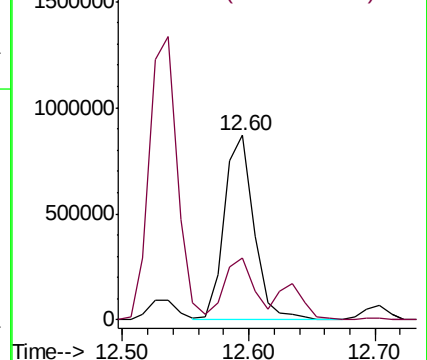
75 100

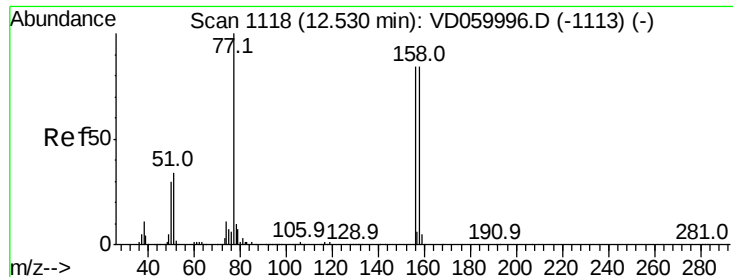
77 33.7 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 94.645 ug/l

RT: 12.54 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

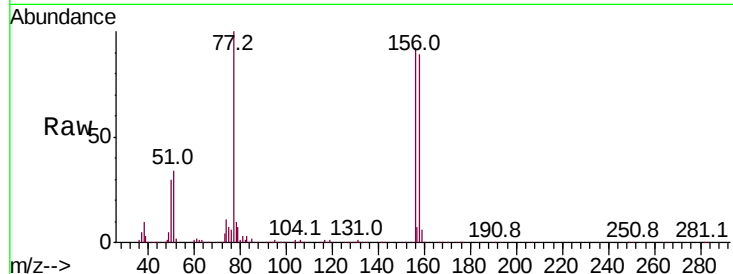
Tot Ion:156 Resp: 1719725

Ion Ratio Lower Upper

156 100

77 109.0 59.5 178.4

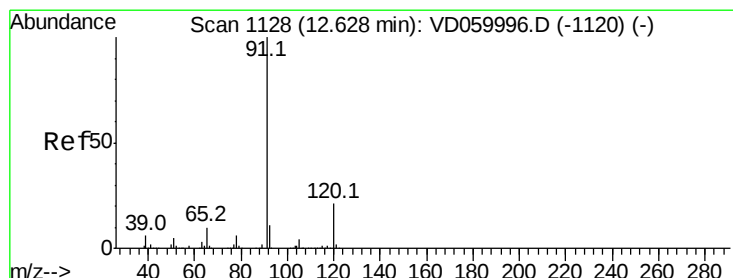
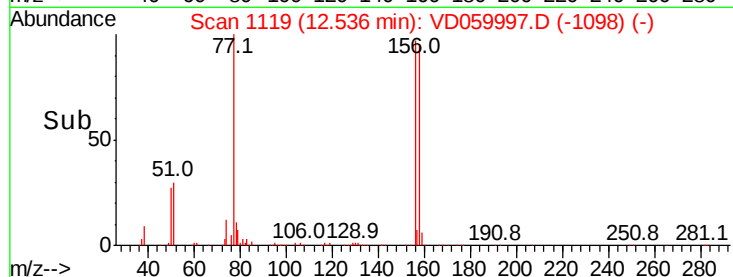
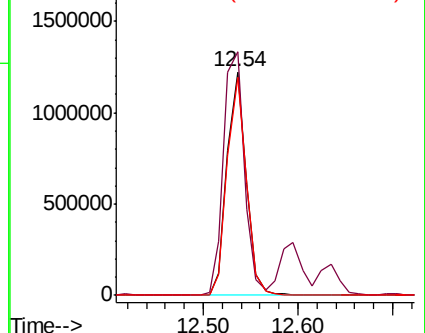
158 97.5 50.0 149.8



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 84.846 ug/l

RT: 12.63 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VD059997.D

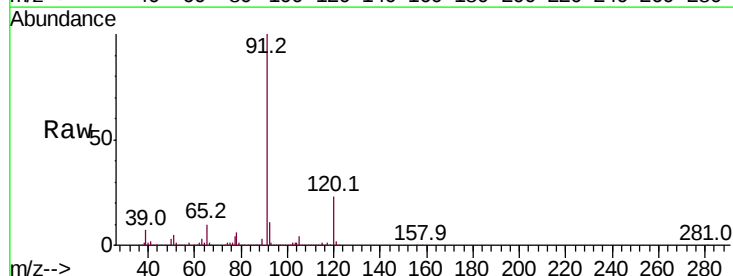
Acq: 13 Sep 2018 15:03

Tgt Ion: 91 Resp: 7016091

Ion Ratio Lower Upper

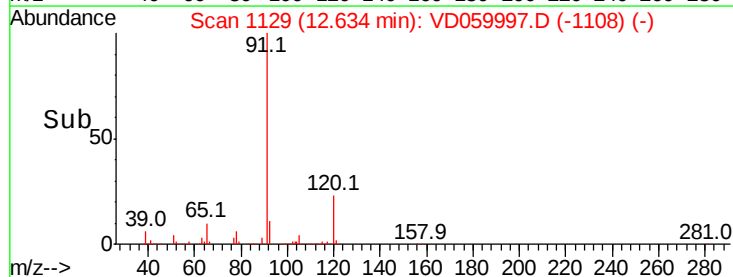
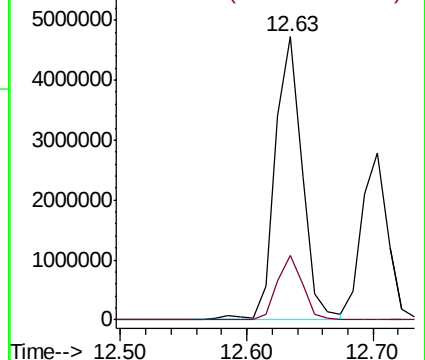
91 100

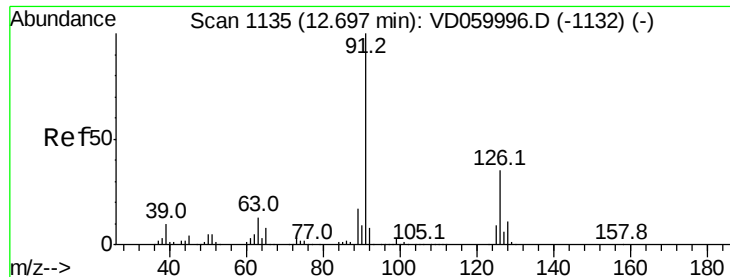
120 22.8 10.7 31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

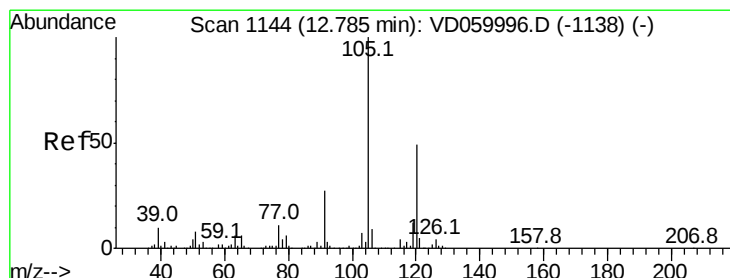
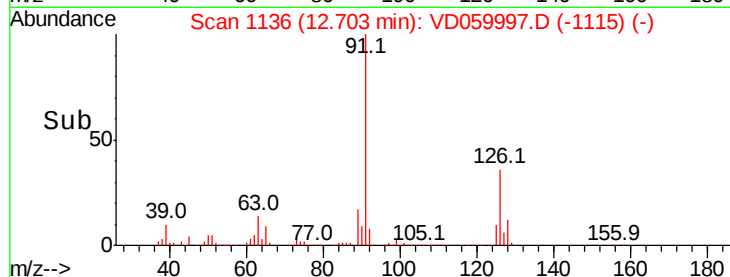
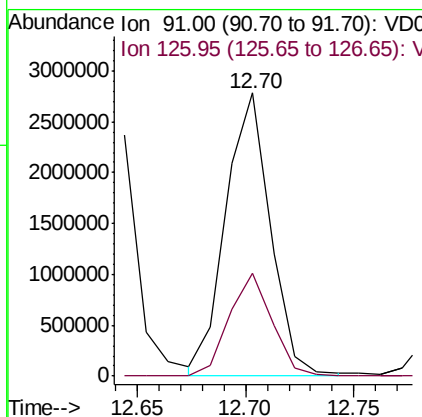
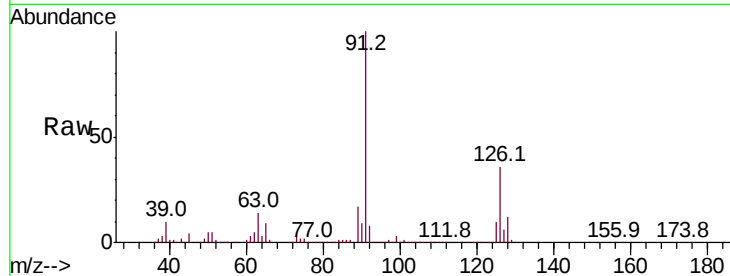




#79
2-Chlorotoluene
Concen: 85.427 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

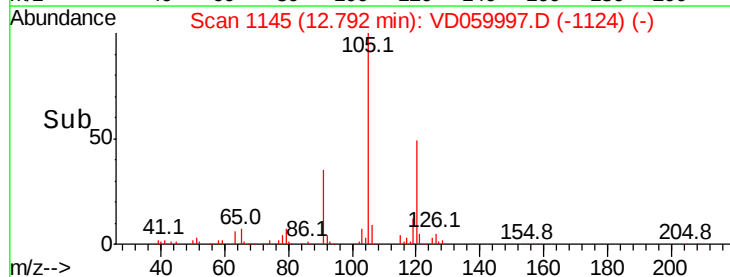
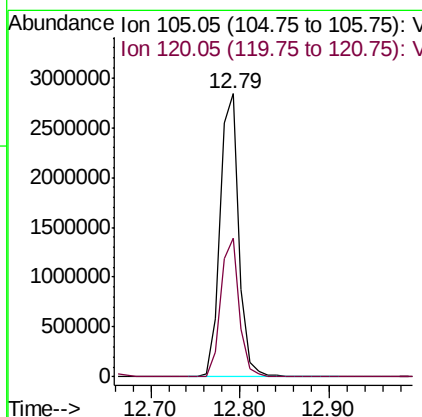
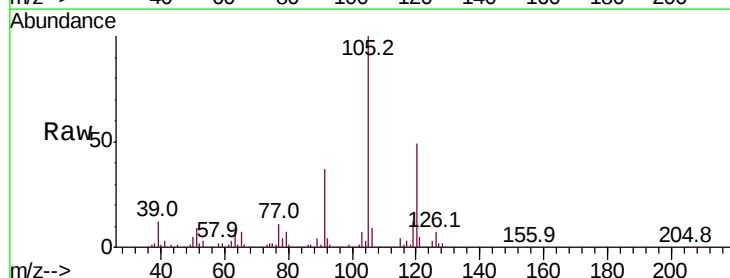
Instrument :
MSVOA_D
ClientSampled :

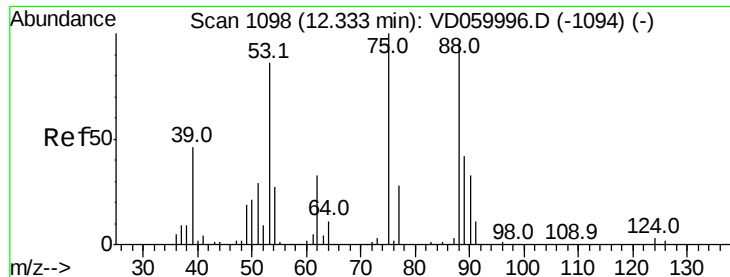
Tot Ion: 91 Resp: 3989648
Ion Ratio Lower Upper
91 100
126 36.2 17.3 52.0



#80
1,3,5-Trimethylbenzene
Concen: 80.534 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:105 Resp: 4180738
Ion Ratio Lower Upper
105 100
120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 91.477 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

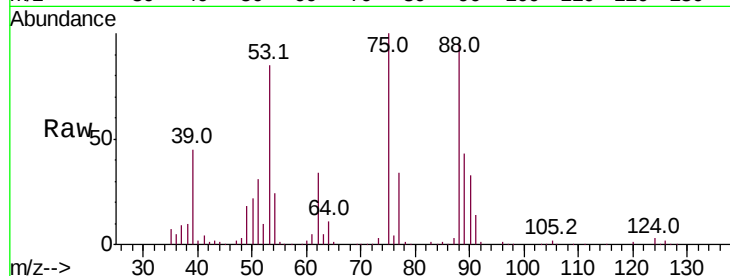
Tot Ion: 75 Resp: 443542

Ion Ratio Lower Upper

75 100

53 84.7 68.4 102.6

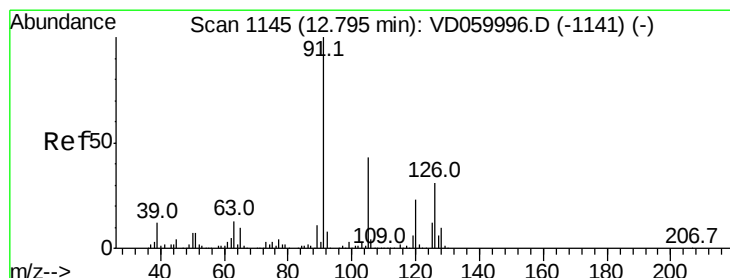
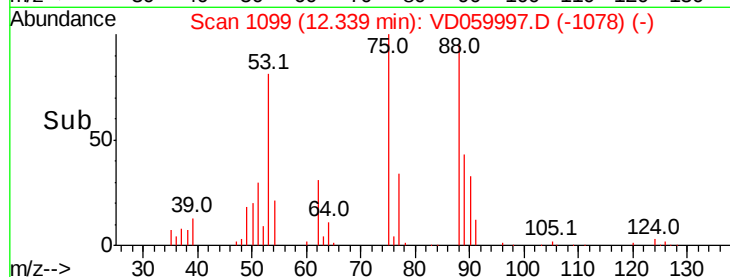
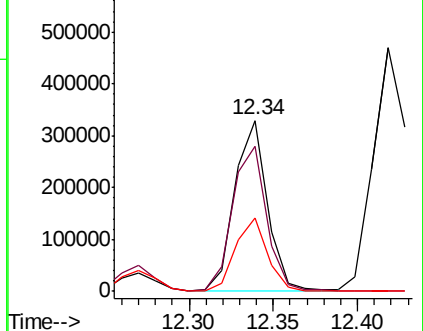
89 42.6 33.8 50.6



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: 80.476 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VD059997.D

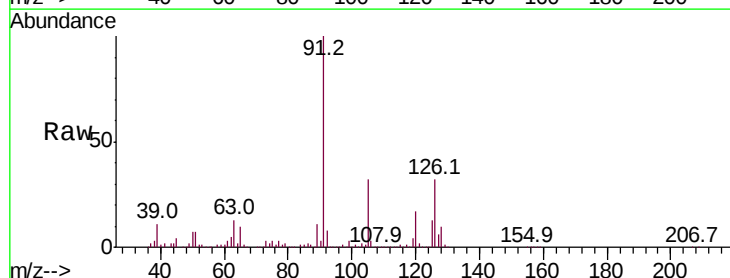
Acq: 13 Sep 2018 15:03

Tgt Ion: 91 Resp: 4261093

Ion Ratio Lower Upper

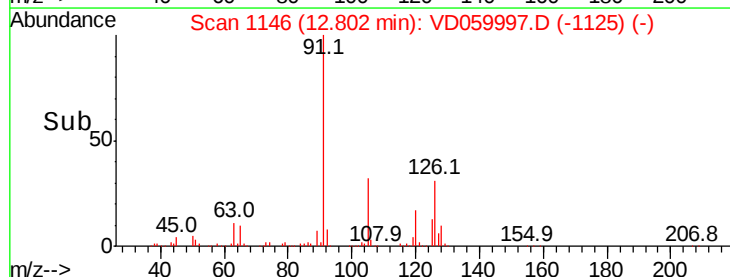
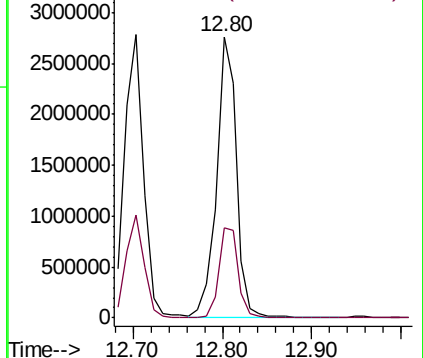
91 100

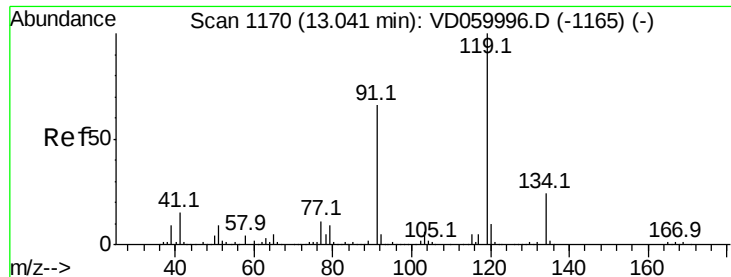
126 32.1 15.4 46.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

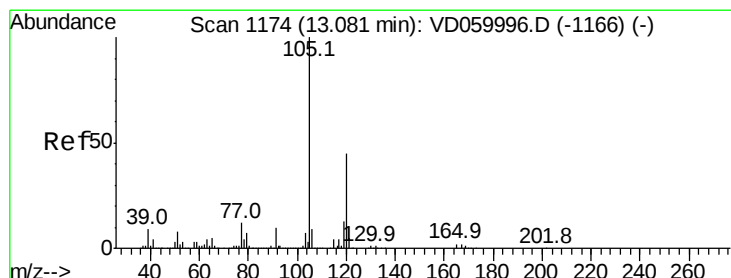
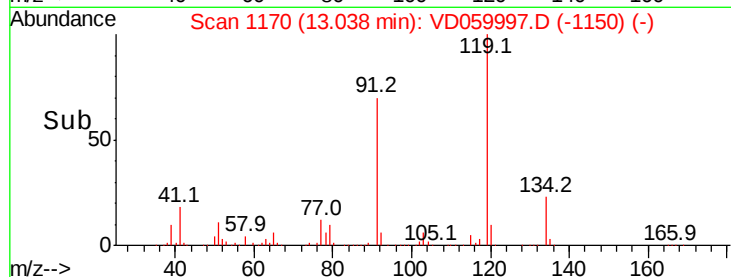
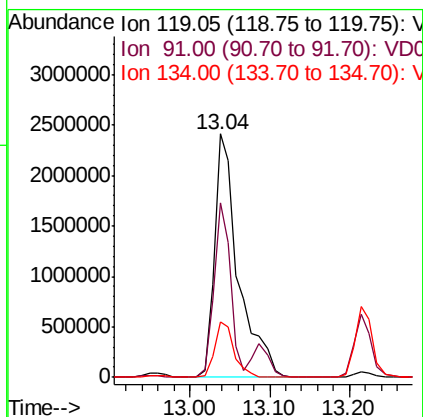
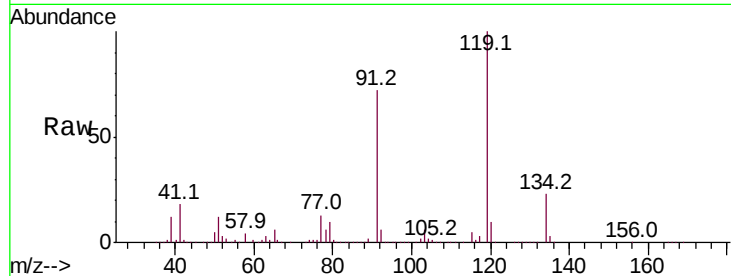




#83
tert-Butylbenzene
Concen: 85.929 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

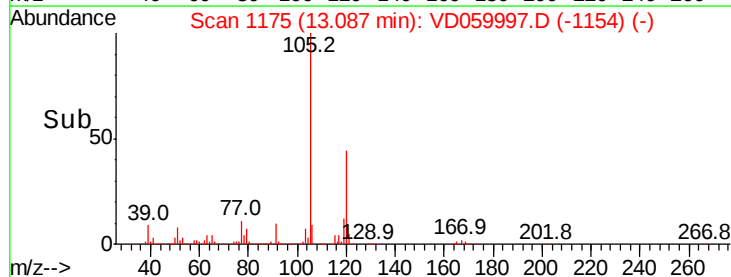
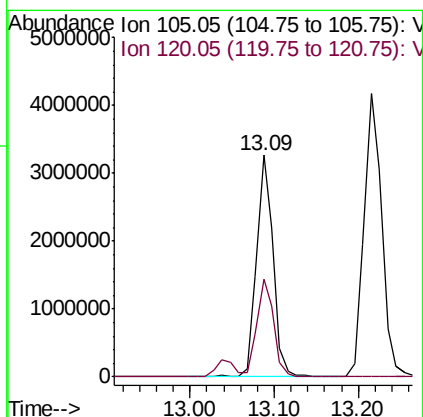
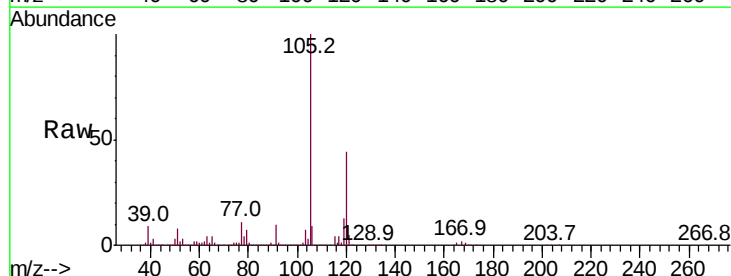
Instrument :
MSVOA_D
ClientSampled :

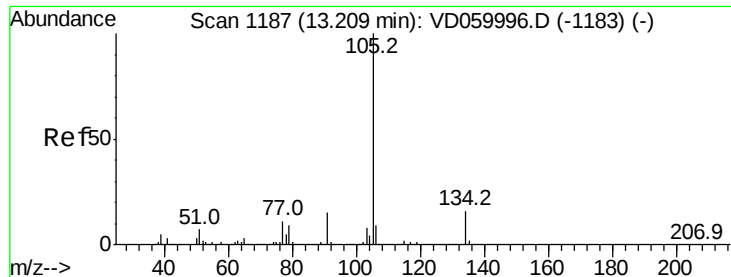
Tot Ion:119 Resp: 5066612
Ion Ratio Lower Upper
119 100
91 71.6 32.9 98.6
134 22.9 12.0 36.0



#84
1,2,4-Trimethylbenzene
Concen: 84.083 ug/l
RT: 13.09 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:105 Resp: 4532902
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.0

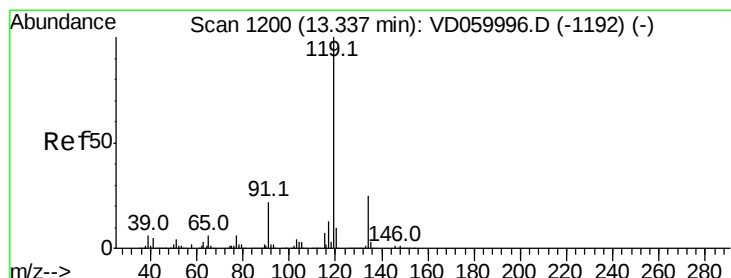
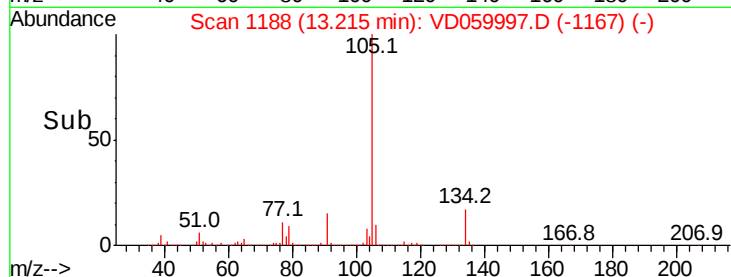
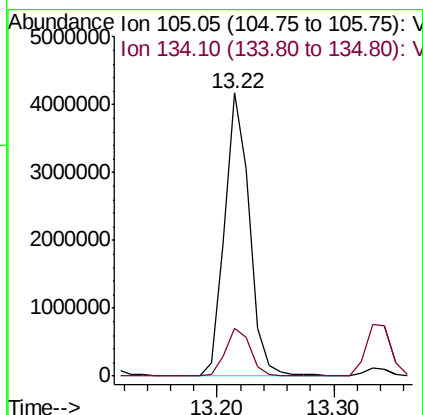
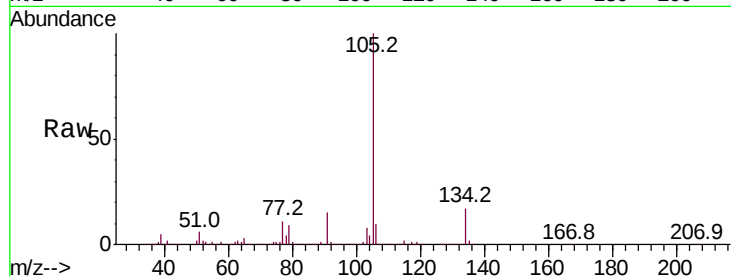




#85
 sec-Butylbenzene
 Concen: 88.056 ug/l
 RT: 13.22 min Scan# 1188
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

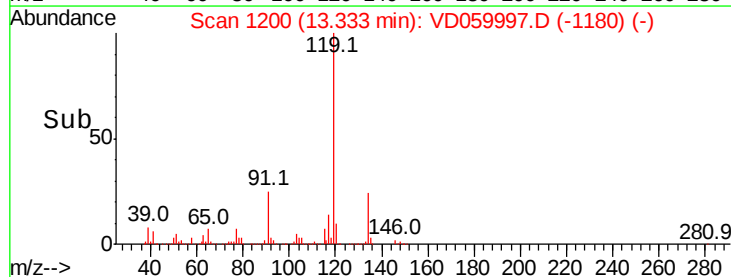
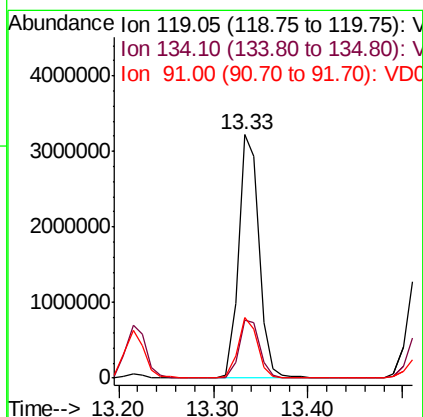
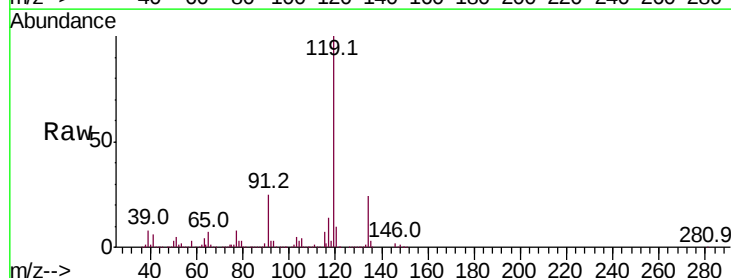
Instrument :
 MSVOA_D
 ClientSampleId :

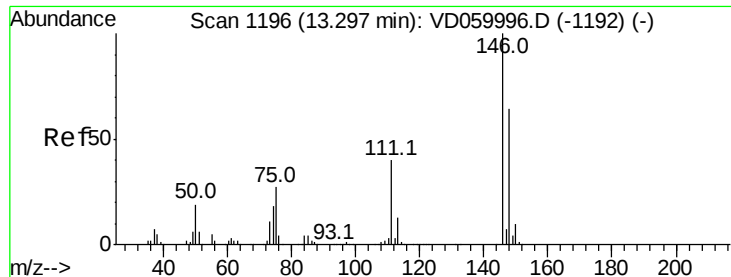
Tot Ion:105 Resp: 6091797
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.2 24.6



#86
 p-Isopropyltoluene
 Concen: 84.452 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion:119 Resp: 4796671
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 25.0 11.1 33.3

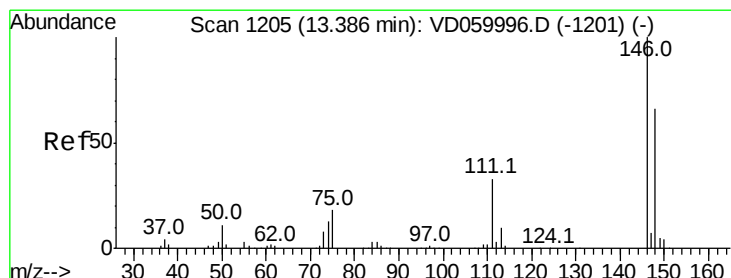
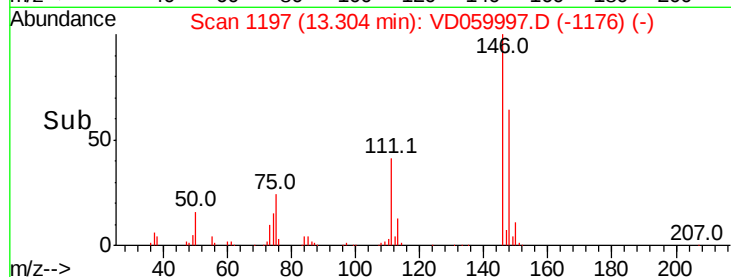
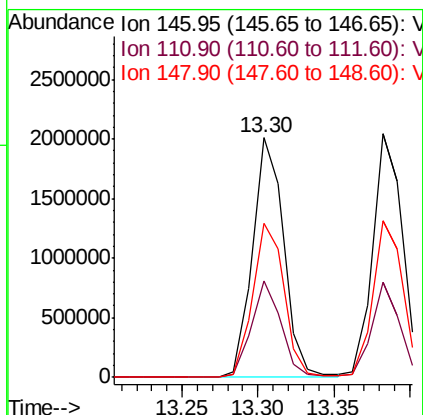
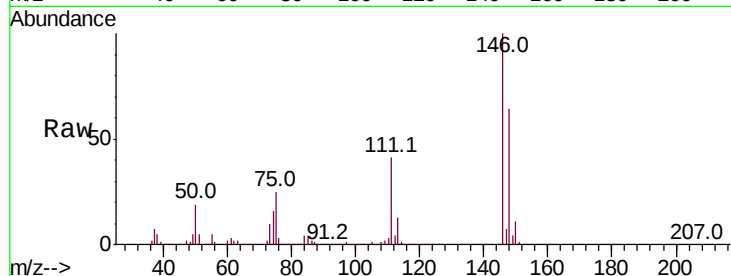




#87
 1,3-Dichlorobenzene
 Concen: 89.456 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

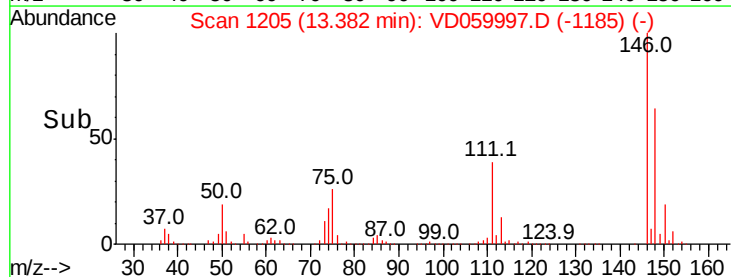
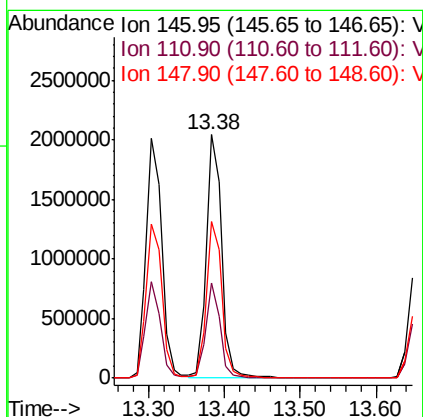
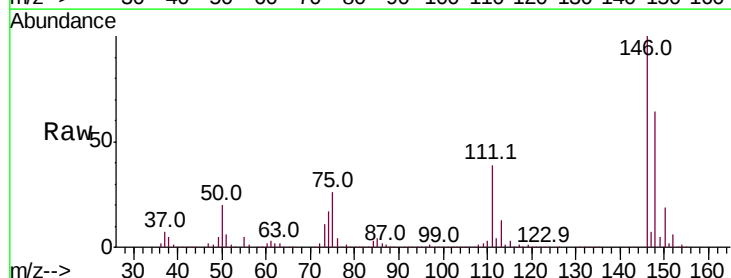
Instrument :
 MSVOA_D
 ClientSampleId :

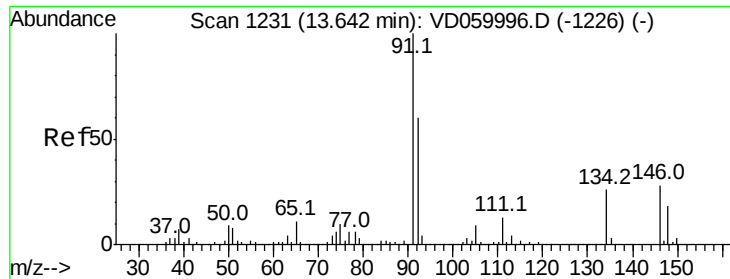
Tot Ion:146 Resp: 2899834
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.2 60.5
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 89.115 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

Tgt Ion:146 Resp: 2892682
 Ion Ratio Lower Upper
 146 100
 111 39.3 16.7 50.0
 148 64.2 32.9 98.6

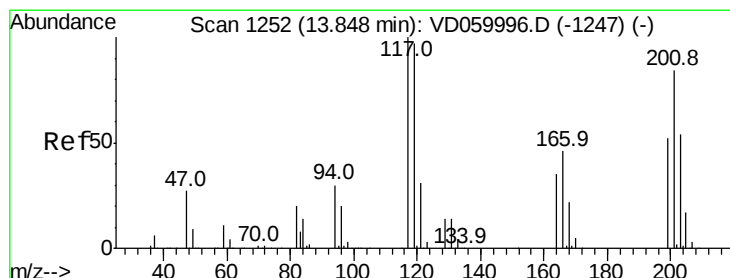
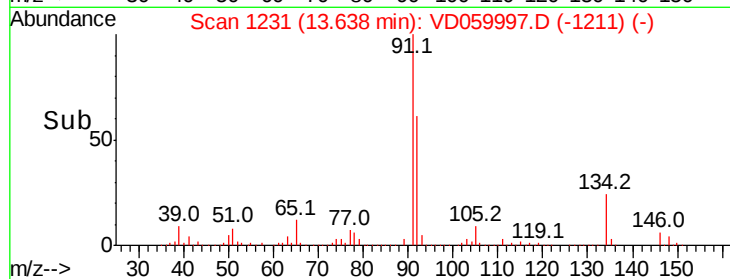
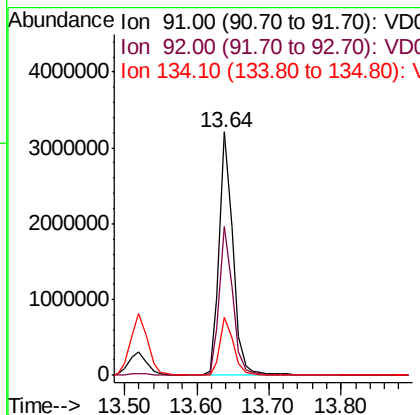
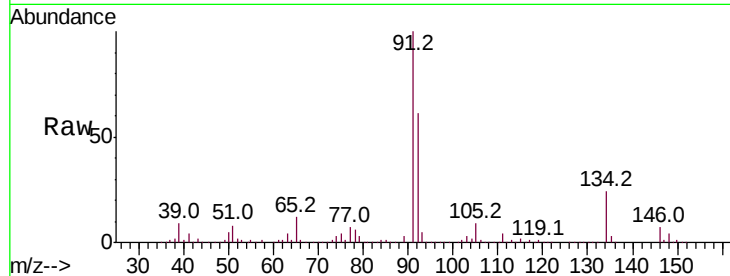




#89
n-Butylbenzene
Concen: 72.936 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

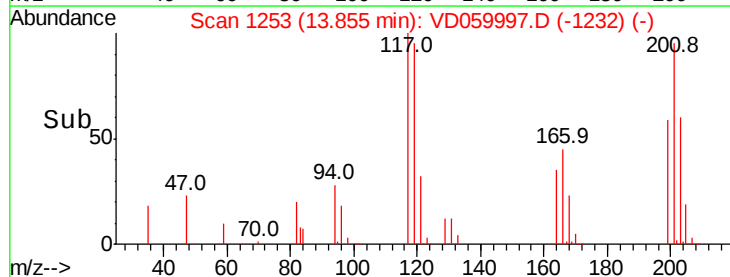
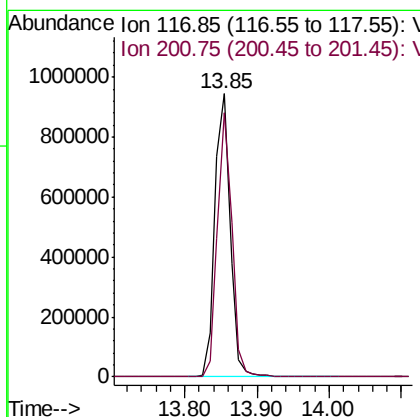
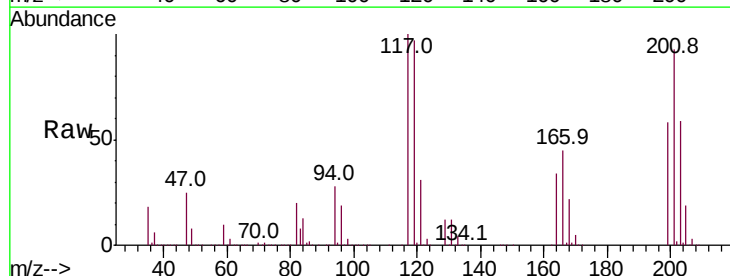
Instrument :
MSVOA_D
ClientSampled :

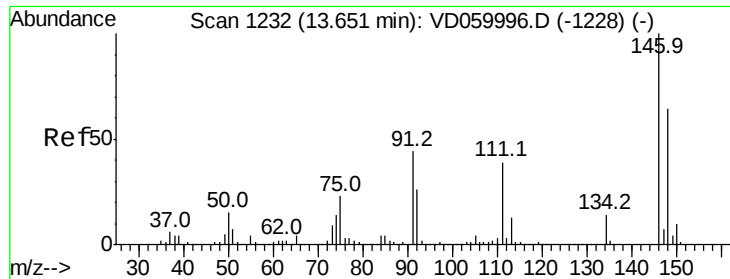
Tot Ion: 91 Resp: 4138208
Ion Ratio Lower Upper
91 100
92 61.3 29.8 89.3
134 23.6 13.2 39.6



#90
Hexachloroethane
Concen: 90.814 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.01 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion: 117 Resp: 1366170
Ion Ratio Lower Upper
117 100
201 93.3 42.1 126.4





#91

1,2-Dichlorobenzene

Concen: 77.413 ug/l

RT: 13.66 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

Instrument :

MSVOA_D

ClientSampleId :

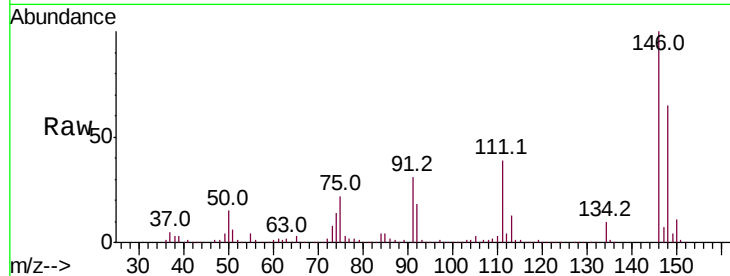
Tot Ion:146 Resp: 2115012

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

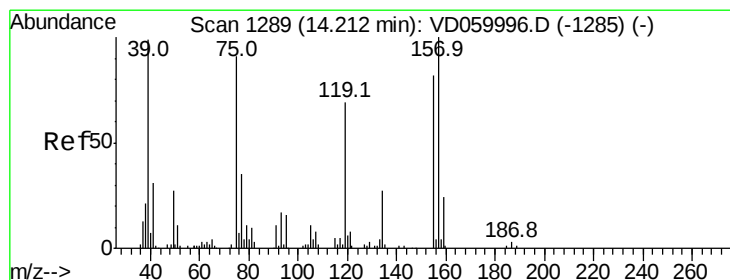
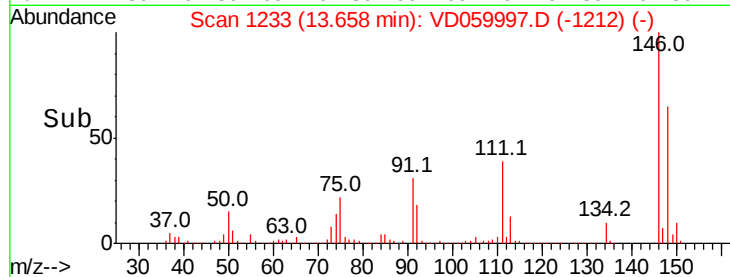
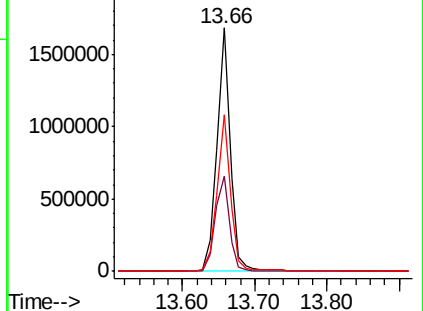
148 64.5 31.9 95.7



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: 127.990 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. 0.01 min

Lab File: VD059997.D

Acq: 13 Sep 2018 15:03

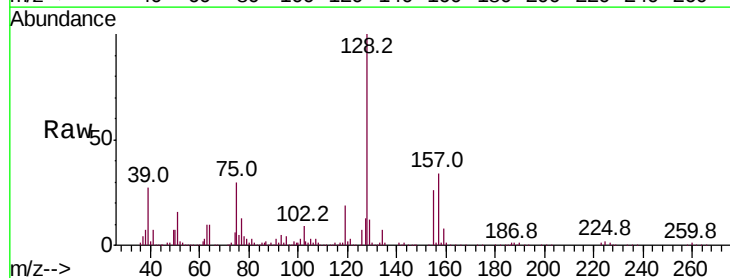
Tgt Ion: 75 Resp: 288573

Ion Ratio Lower Upper

75 100

155 87.5 44.7 134.1

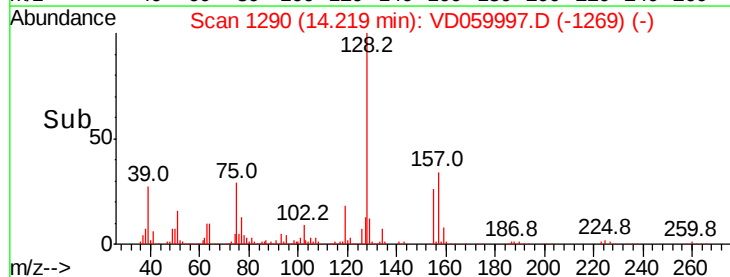
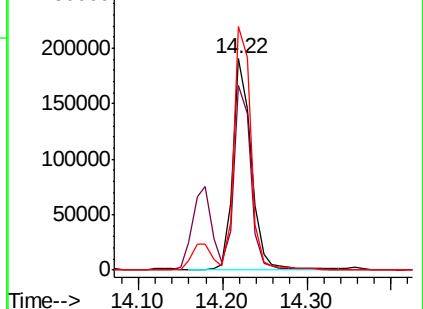
157 115.2 54.7 164.1

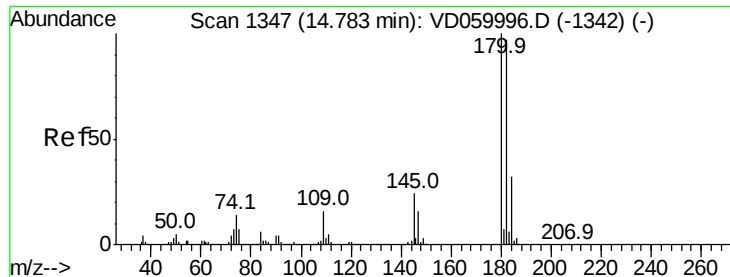


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



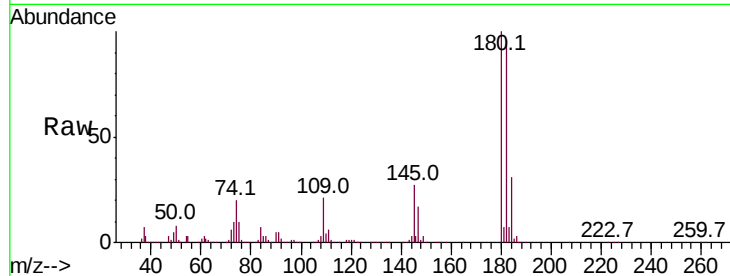


#93
 1,2,4-Trichlorobenzene
 Concen: 87.908 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

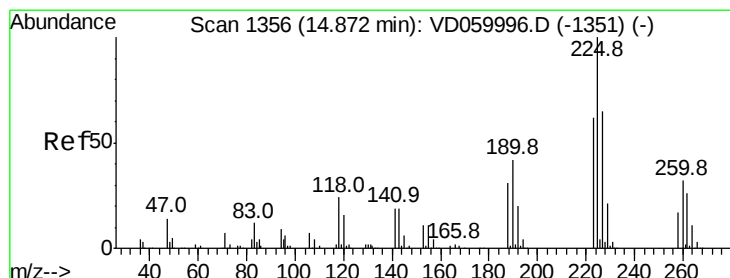
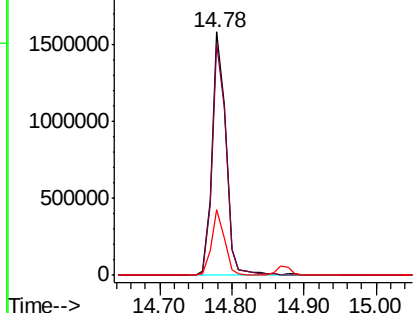
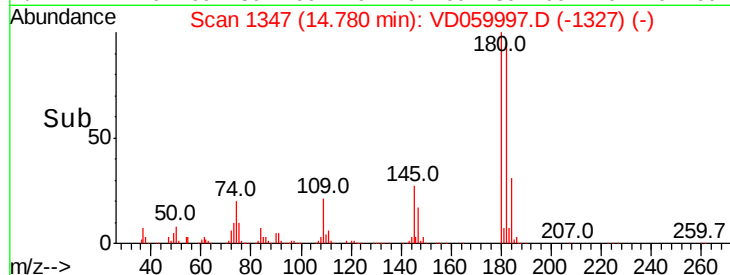
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 2065630

Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.5	145.6
145	26.8	11.9	35.7



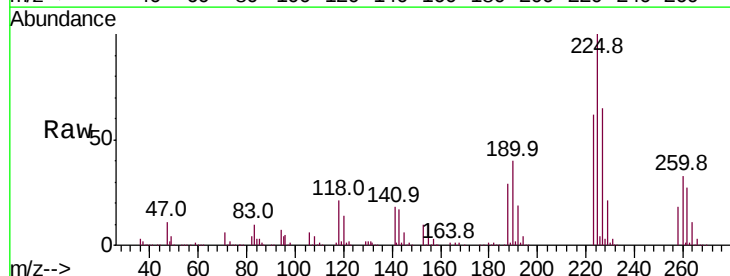
Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



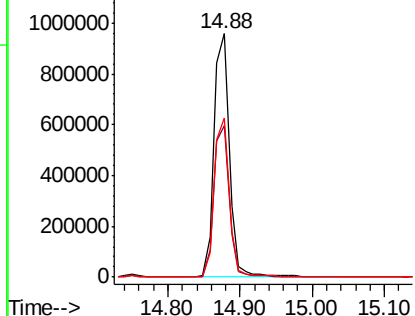
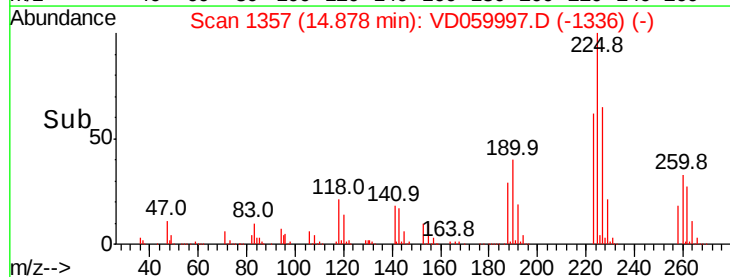
#94
 Hexachlorobutadiene
 Concen: 90.635 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.01 min
 Lab File: VD059997.D
 Acq: 13 Sep 2018 15:03

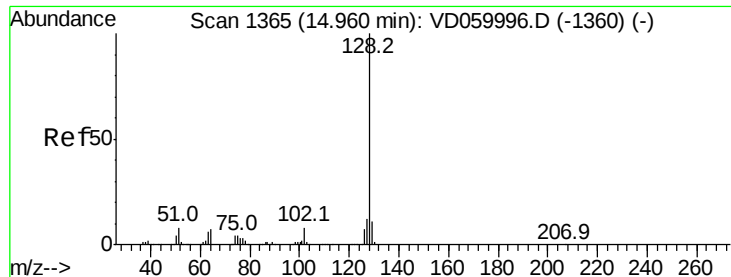
Tgt Ion:225 Resp: 1400484

Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.2	93.6
227	65.4	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

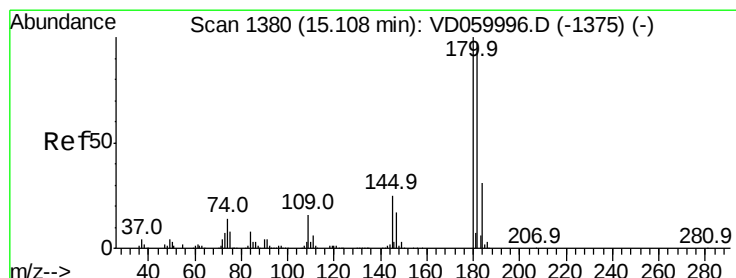
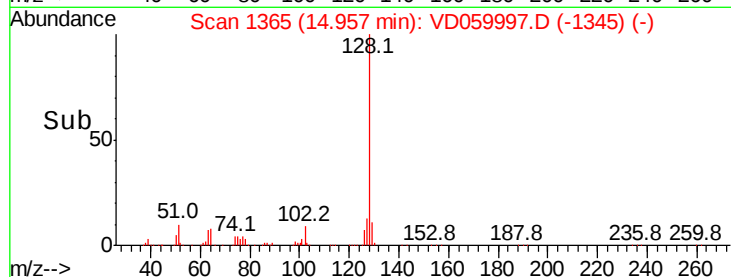
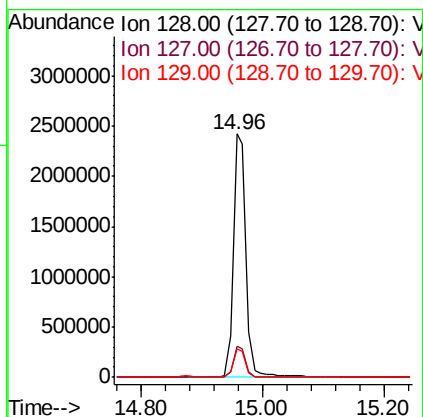
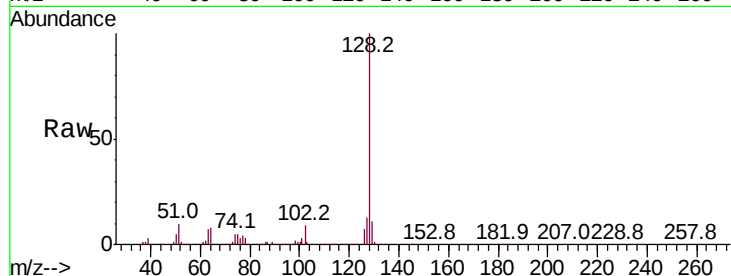




#95
Naphthalene
Concen: 97.756 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 3494684
Ion Ratio Lower Upper
128 100
127 12.7 9.7 14.5
129 11.5 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 93.120 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD059997.D
Acq: 13 Sep 2018 15:03

Tgt Ion:180 Resp: 1876305
Ion Ratio Lower Upper
180 100
182 96.1 48.6 145.9
145 28.7 12.7 38.1

