

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071421\
 Data File : VD069699.D
 Acq On : 14 Jul 2021 20:31
 Operator : VA/SY
 Sample : M3026-04
 Misc : 10.19G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 15 03:33:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

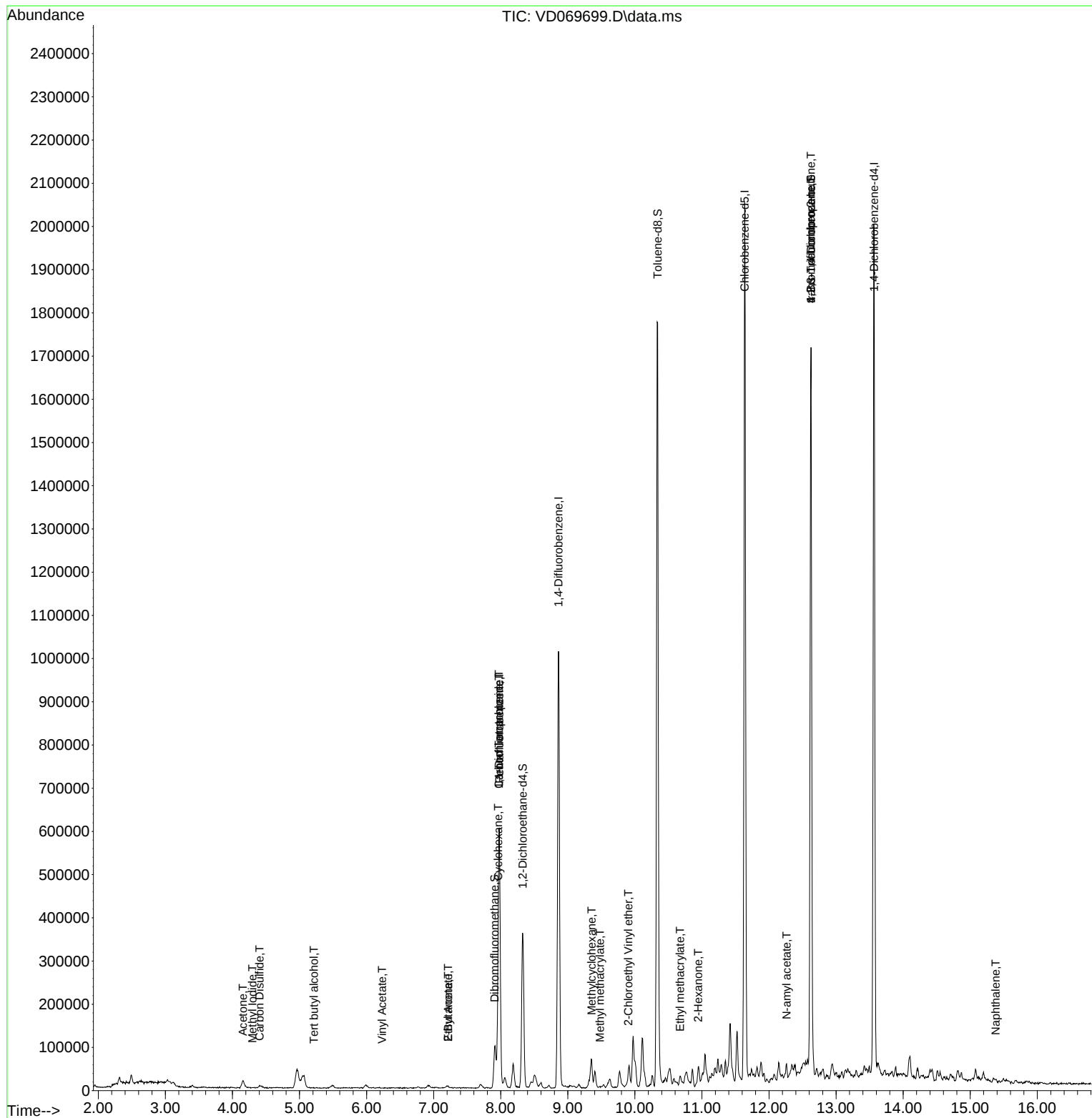
Internal Standards						
1) Pentafluorobenzene	7.979	168	411243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	860280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1130718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	514547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	289393	56.358	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.720%			
35) Dibromofluoromethane	7.909	113	70429	12.203	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 24.400%#			
50) Toluene-d8	10.338	98	1203604	53.679	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.360%			
62) 4-Bromofluorobenzene	12.626	95	559883	74.871	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 149.740%#			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	1214	Below Cal		93
5) Bromomethane	2.773	94	2190	Below Cal	#	65
10) Methyl Iodide	4.297	142	499	2.562	ug/l #	39
11) Tert butyl alcohol	5.215	59	855	1.246	ug/l #	79
16) Acetone	4.156	43	28946	37.489	ug/l	94
17) Carbon Disulfide	4.403	76	10217	1.075	ug/l #	94
18) Methyl Acetate	4.573	43	121	Below Cal	#	49
20) Methylene Chloride	4.962	84	33263	Below Cal	#	93
23) Vinyl Acetate	6.232	43	54	15.431	ug/l #	72
25) 2-Butanone	7.214	43	5087	4.192	ug/l #	84
31) Cyclohexane	7.961	56	20935	2.782	ug/l #	60
36) 1,1-Dichloropropene	7.973	75	38171	4.301	ug/l #	50
37) Ethyl Acetate	7.214	43	5087	1.515	ug/l #	69
38) Carbon Tetrachloride	7.973	117	44561	5.483	ug/l #	17
39) Methylcyclohexane	9.355	83	15045	3.322	ug/l #	93
48) Methyl methacrylate	9.479	41	1235	1.481	ug/l #	24
56) Ethyl methacrylate	10.673	69	1452	1.904	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.903	63	57	9.381	ug/l #	49
59) 2-Hexanone	10.944	43	14910	7.026	ug/l #	23
74) N-amyl acetate	12.261	43	9875	1.240	ug/l #	82
76) 1,2,3-Trichloropropane	12.626	75	279094	55.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	279094	150.050	ug/l #	14
95) Naphthalene	15.379	128	4318	2.459	ug/l #	92

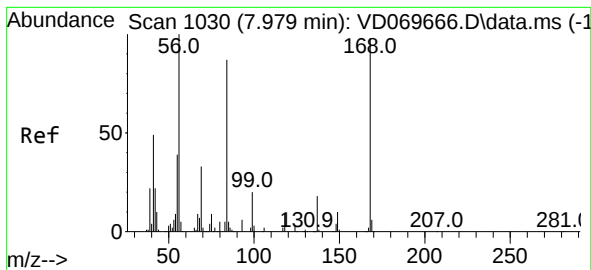
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD069699.D
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Response via : Initial Calibration

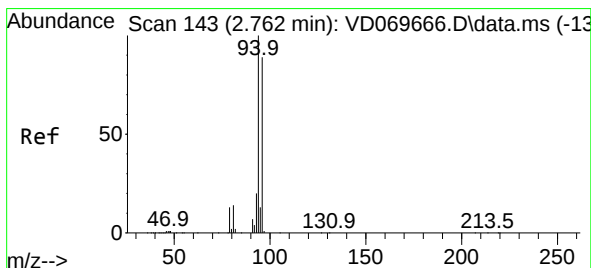
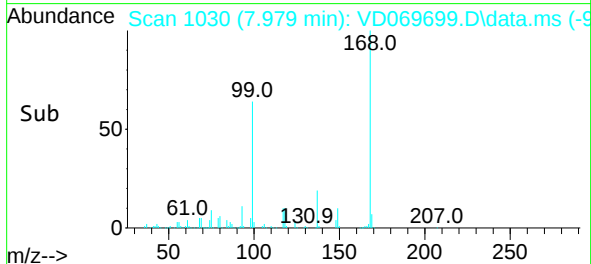
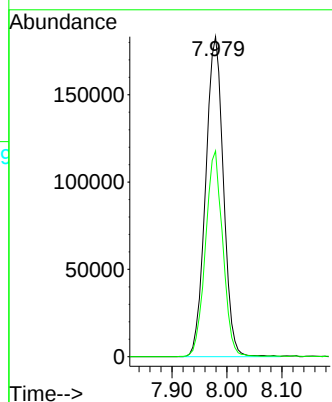
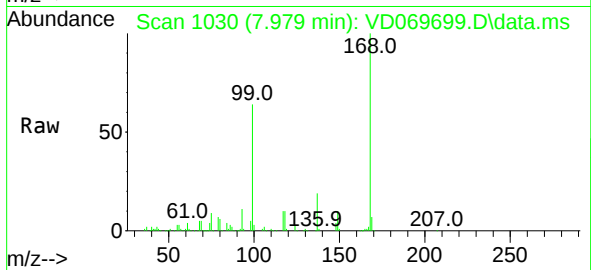




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

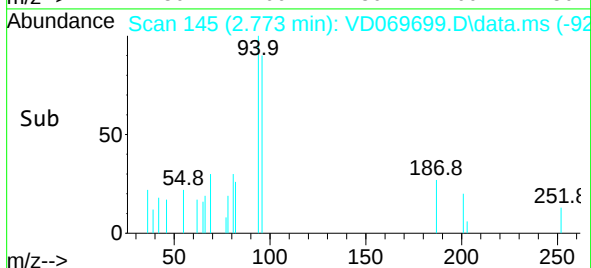
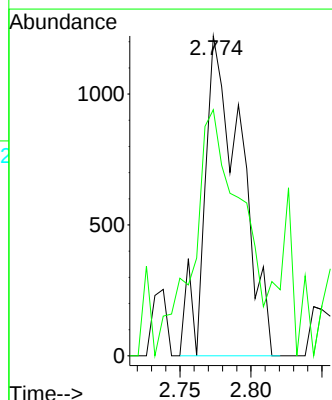
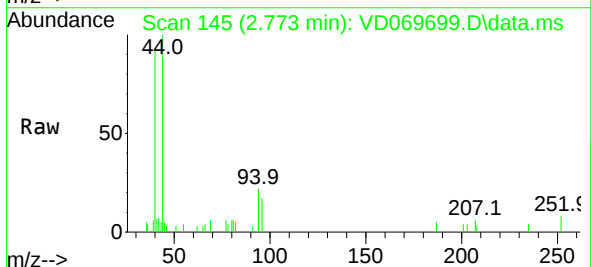
Instrument :
MSVOA_D
ClientSampleId :

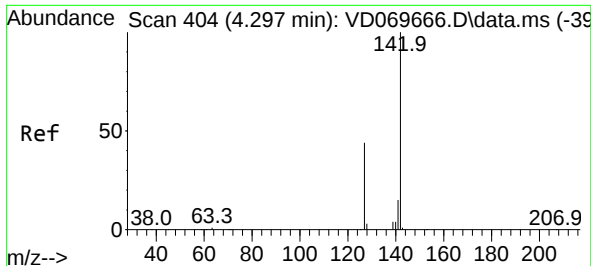
Tgt Ion:168 Resp: 411243
Ion Ratio Lower Upper
168 100
99 64.2 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

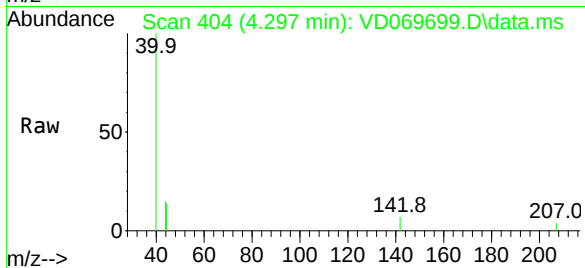
Tgt Ion: 94 Resp: 2190
Ion Ratio Lower Upper
94 100
96 56.2 71.2 106.8#



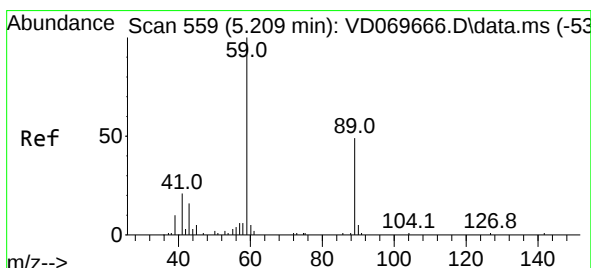
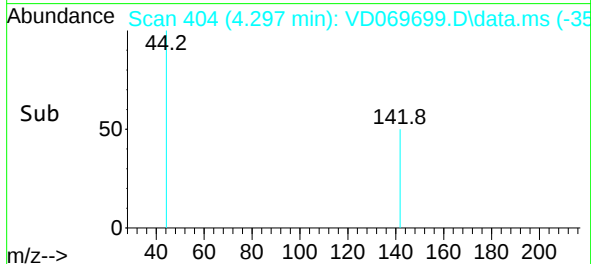
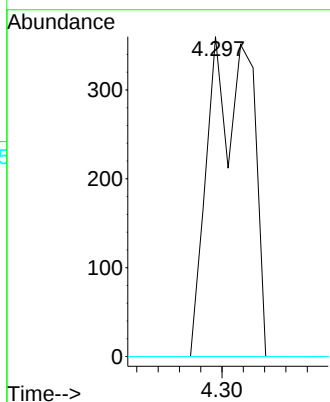


#10
Methyl Iodide
Concen: 2.562 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Instrument :
MSVOA_D
ClientSampleId :

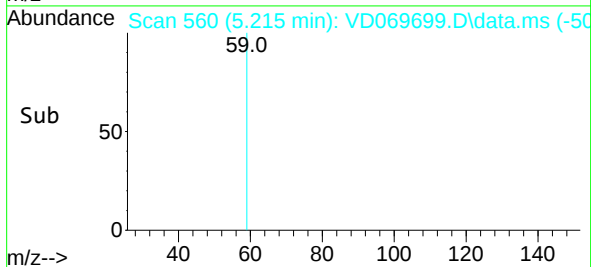
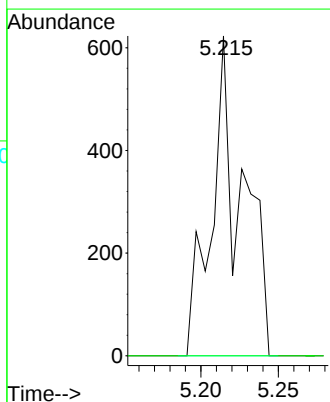
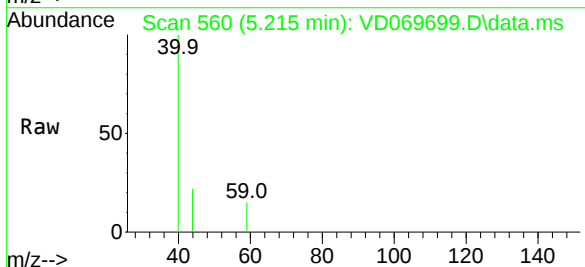


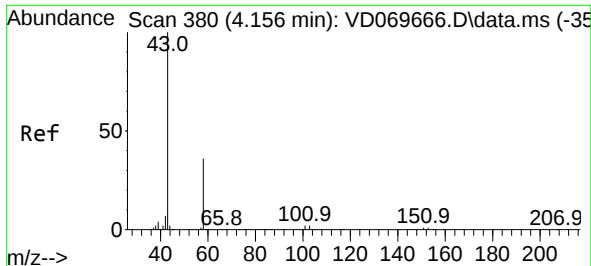
Tgt Ion:142 Resp: 499
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 1.246 ug/l
RT: 5.215 min Scan# 560
Delta R.T. 0.006 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 59 Resp: 855
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

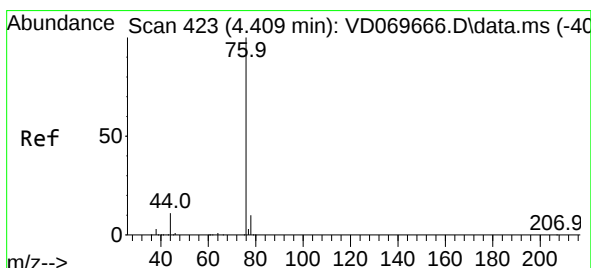
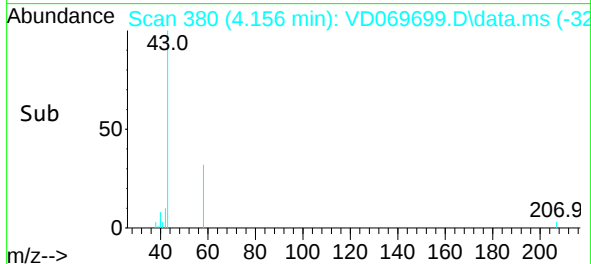
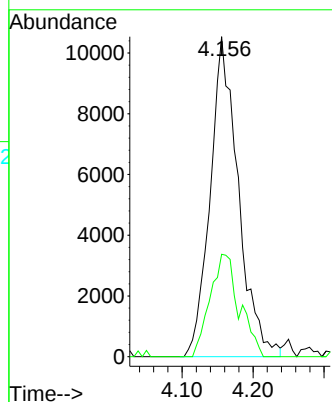
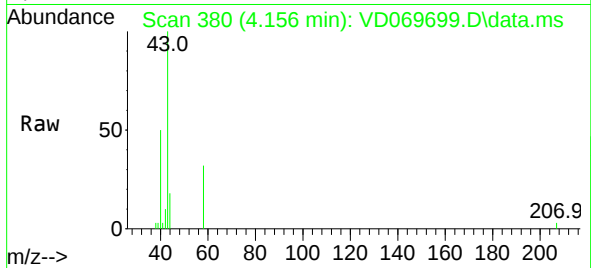




#16
Acetone
Concen: 37.489 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

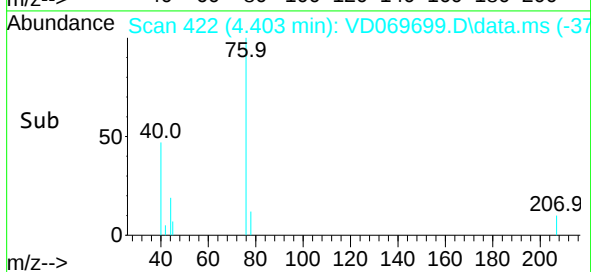
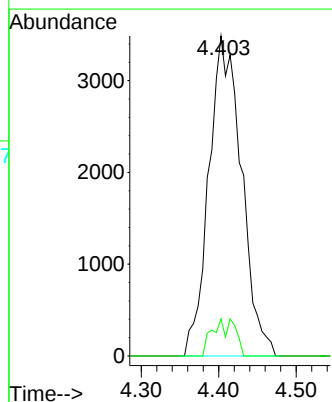
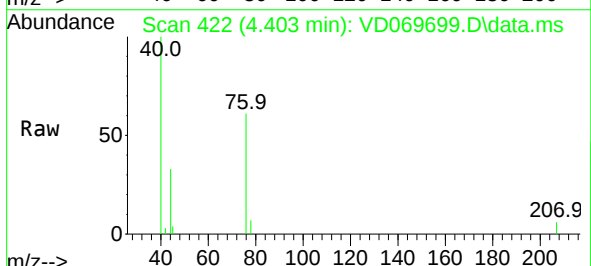
Instrument :
MSVOA_D
ClientSampleId :

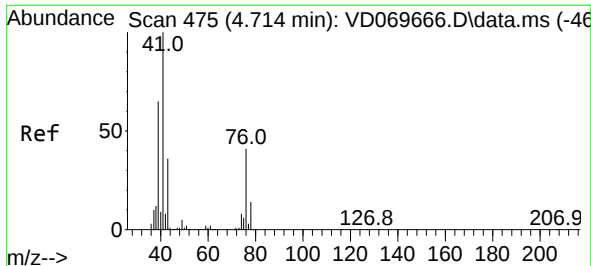
Tgt Ion: 43 Resp: 28946
Ion Ratio Lower Upper
43 100
58 32.0 28.6 42.8



#17
Carbon Disulfide
Concen: 1.075 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 76 Resp: 10217
Ion Ratio Lower Upper
76 100
78 11.6 7.6 11.4#

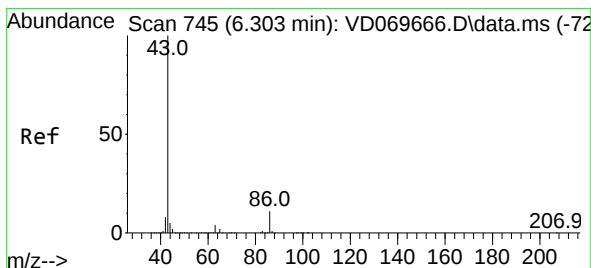
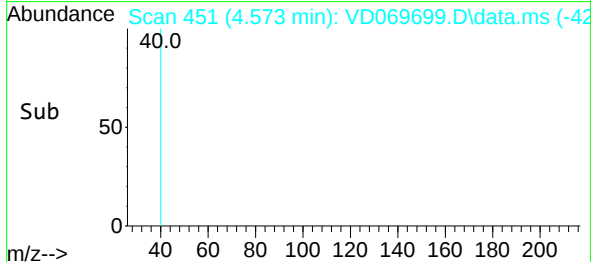
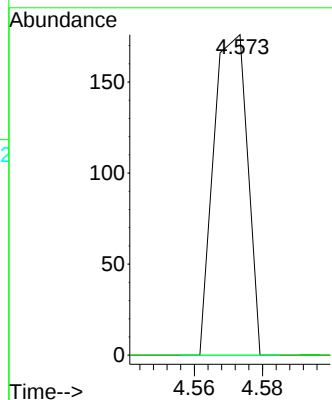
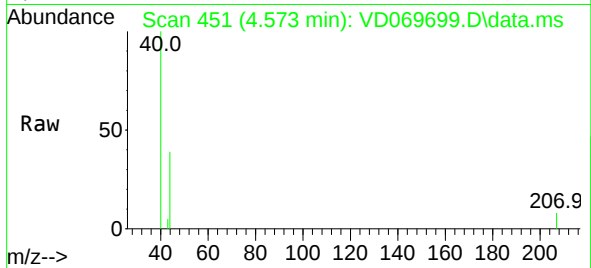




#18
Methyl Acetate
Concen: Below Cal
RT: 4.573 min Scan# 451
Delta R.T. -0.141 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

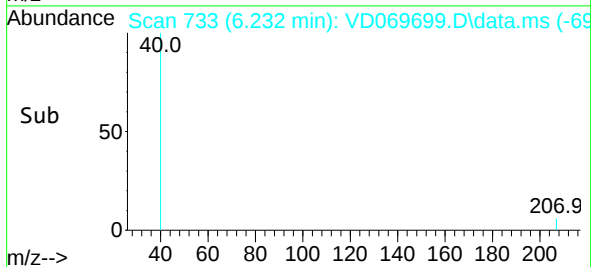
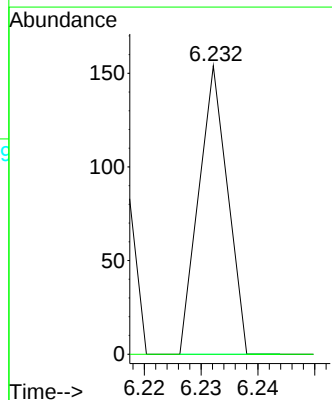
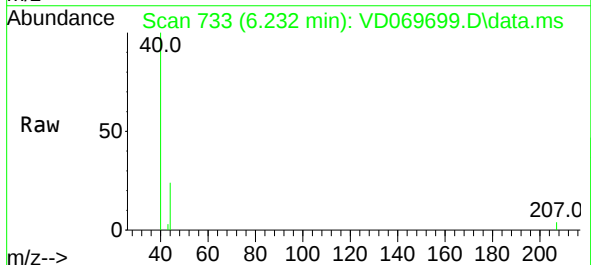
Instrument :
MSVOA_D
ClientSampleId :

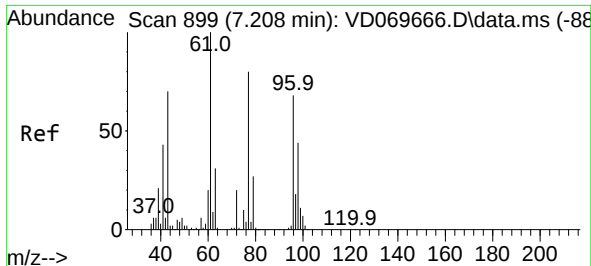
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.431 ug/l
RT: 6.232 min Scan# 733
Delta R.T. -0.071 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

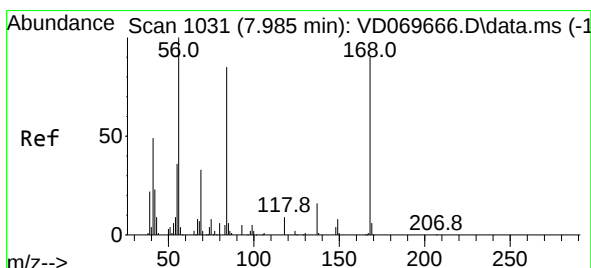
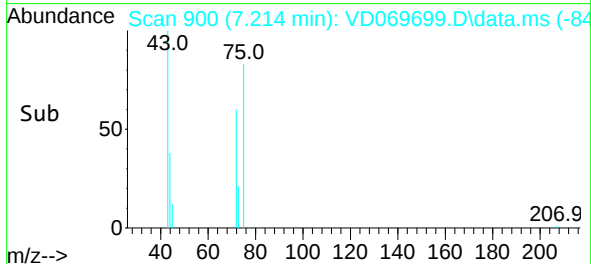
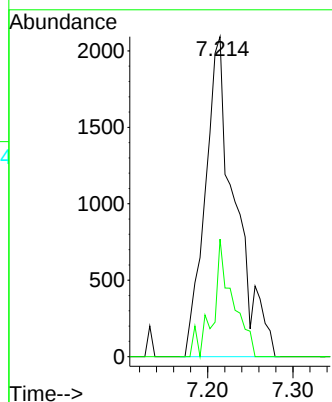
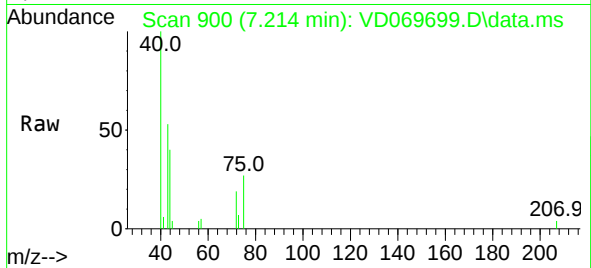




#25
2-Butanone
Concen: 4.192 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

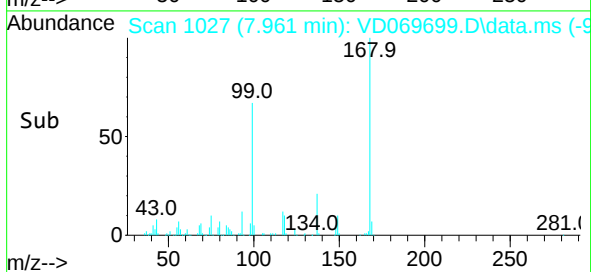
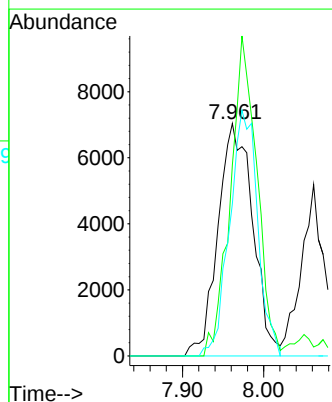
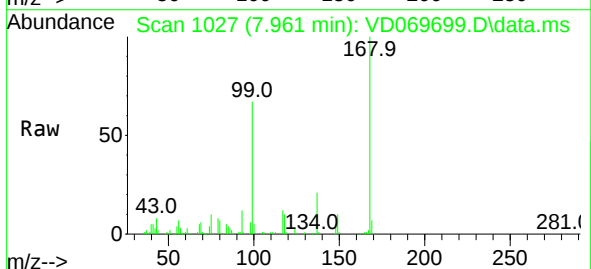
Instrument :
MSVOA_D
ClientSampled :

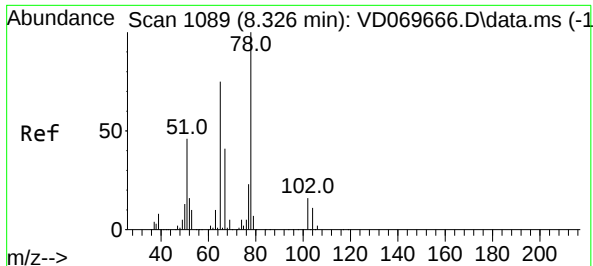
Tgt Ion: 43 Resp: 5087
Ion Ratio Lower Upper
43 100
72 36.7 22.6 33.8#



#31
Cyclohexane
Concen: 2.782 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.024 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 56 Resp: 20935
Ion Ratio Lower Upper
56 100
69 82.1 26.6 39.8#
84 65.4 68.2 102.2#

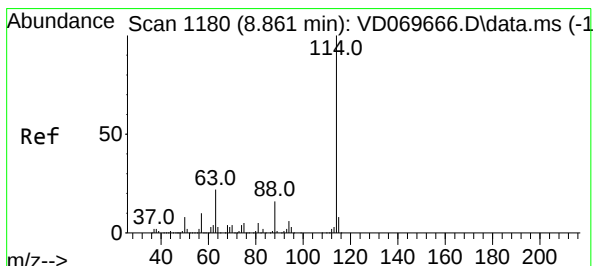
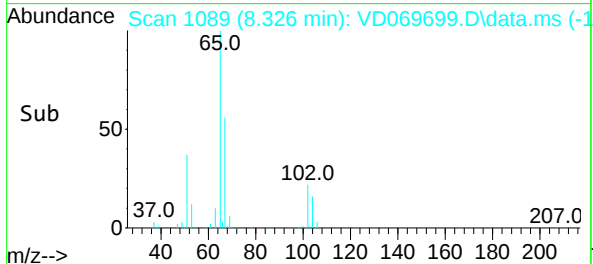
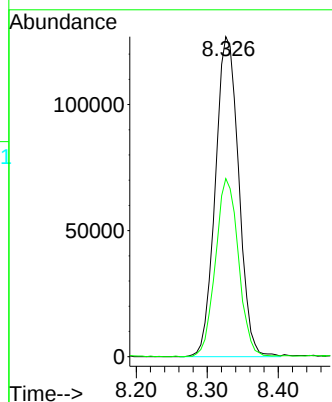
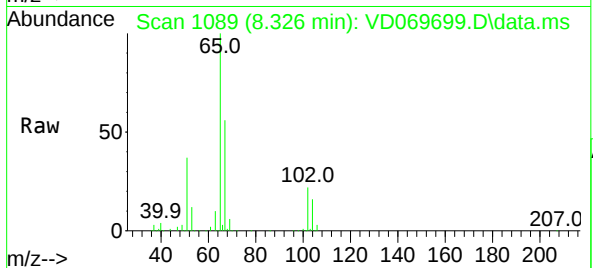




#33
1,2-Dichloroethane-d4
Concen: 56.358 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

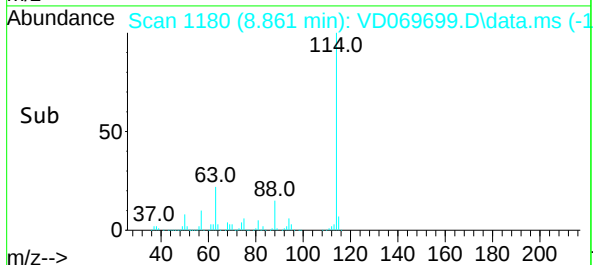
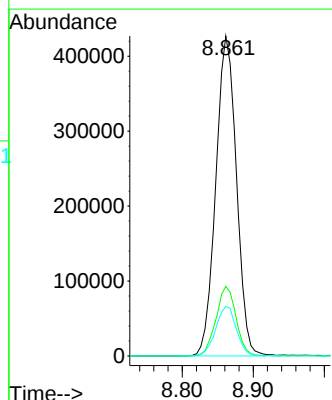
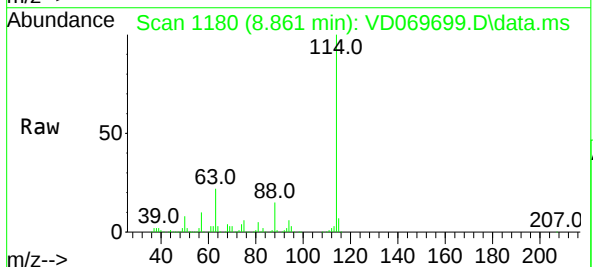
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ClientSampled :

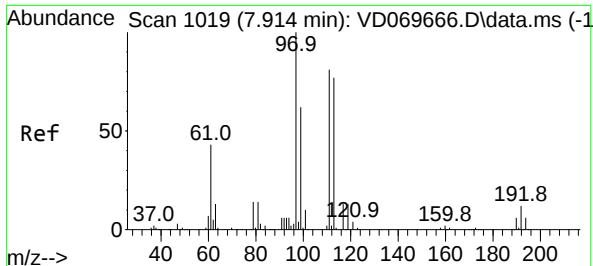
Tgt Ion: 65 Resp: 289393
Ion Ratio Lower Upper
65 100
67 54.9 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 114 Resp: 860280
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.4
88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 12.203 ug/l

RT: 7.909 min Scan# 1018

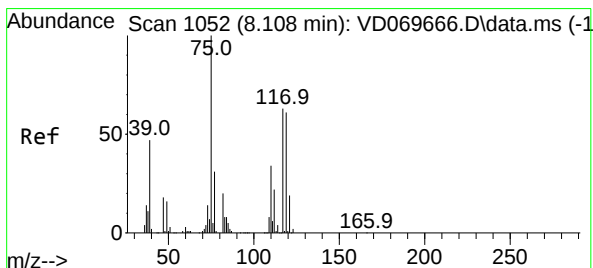
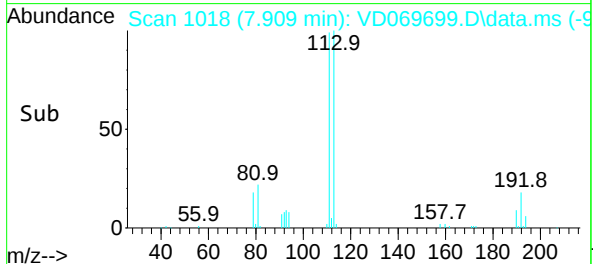
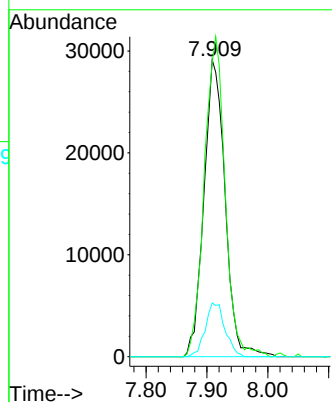
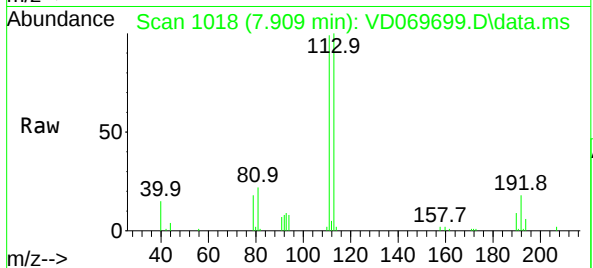
Delta R.T. -0.005 min

Lab File: VD069699.D

Acq: 14 Jul 2021 20:31

Tgt Ion:	113	Resp:	70429
Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.6	123.8
192	16.8	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.301 ug/l

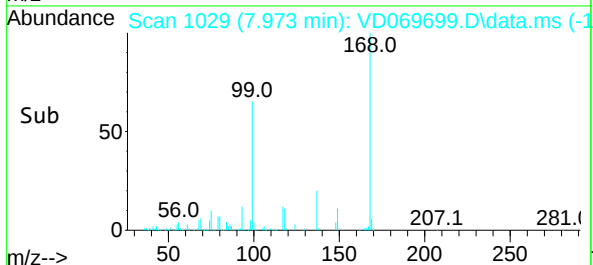
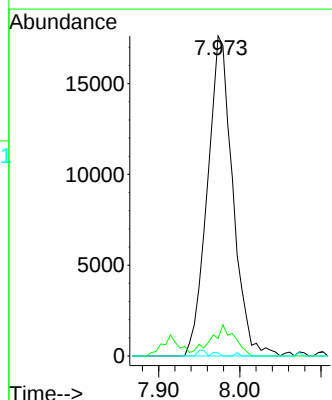
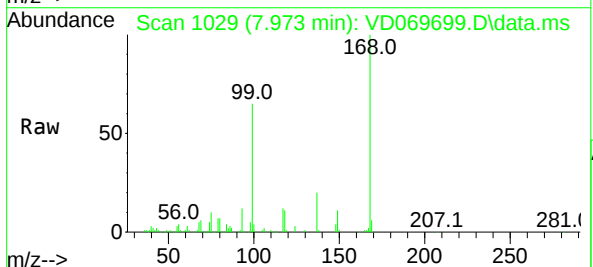
RT: 7.973 min Scan# 1029

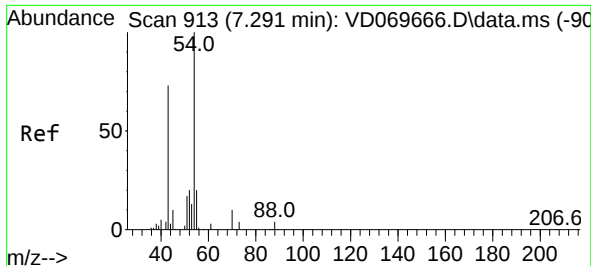
Delta R.T. -0.135 min

Lab File: VD069699.D

Acq: 14 Jul 2021 20:31

Tgt Ion:	75	Resp:	38171
Ion	Ratio	Lower	Upper
75	100		
110	9.2	16.7	50.0#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 1.515 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.077 min

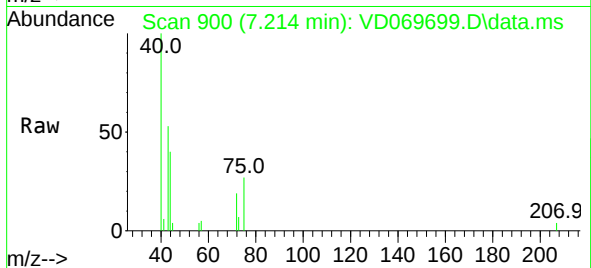
Lab File: VD069699.D

Acq: 14 Jul 2021 20:31

Instrument :

MSVOA_D

ClientSampleId :



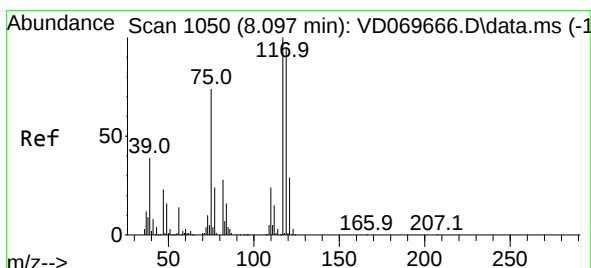
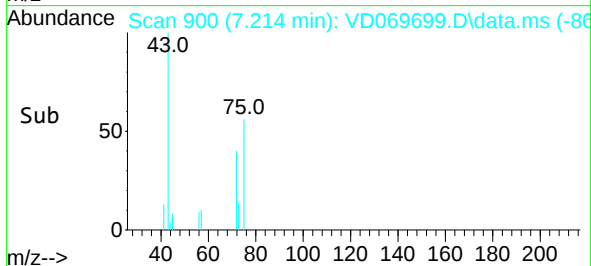
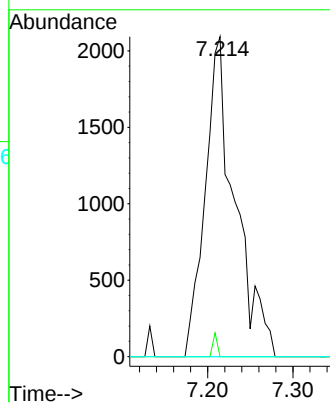
Tgt Ion: 43 Resp: 5087

Ion Ratio Lower Upper

43 100

61 1.1 12.1 18.1#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 5.483 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.124 min

Lab File: VD069699.D

Acq: 14 Jul 2021 20:31

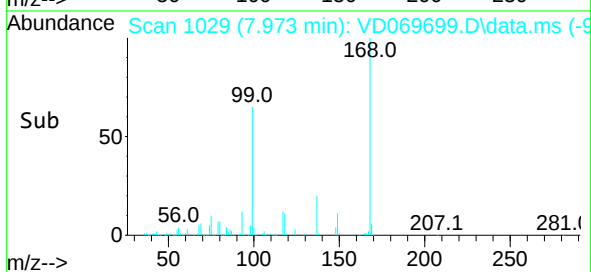
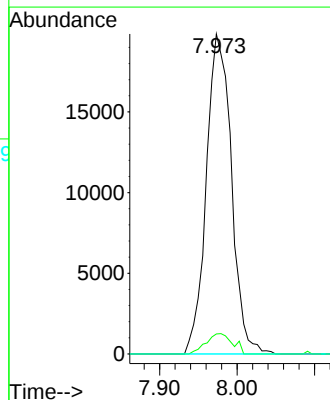
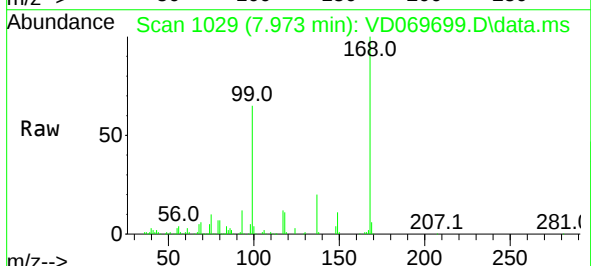
Tgt Ion: 117 Resp: 44561

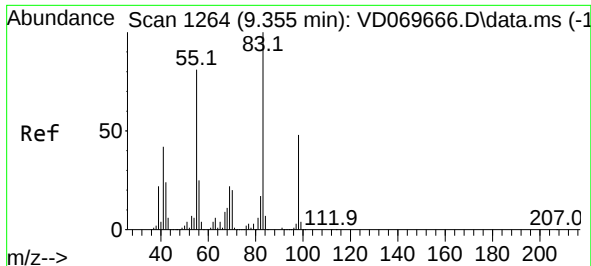
Ion Ratio Lower Upper

117 100

119 6.2 75.7 113.5#

121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 3.322 ug/l

RT: 9.355 min Scan# 1264

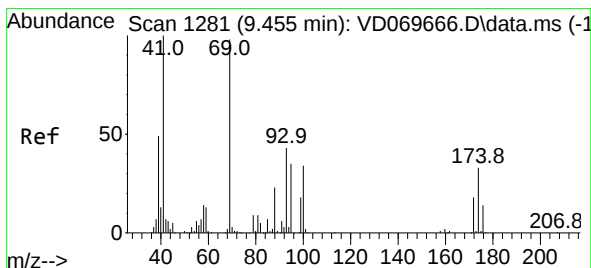
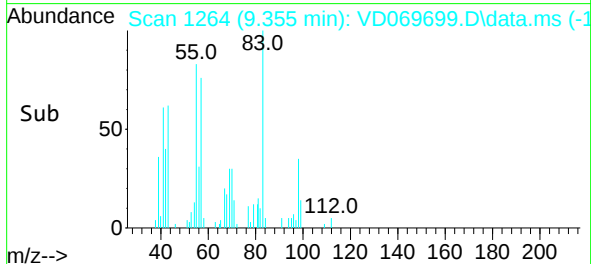
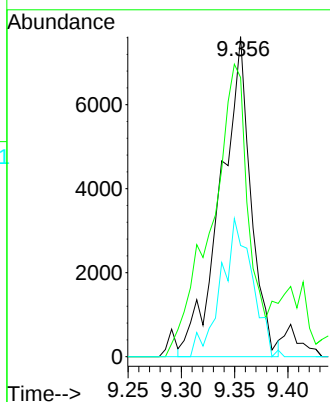
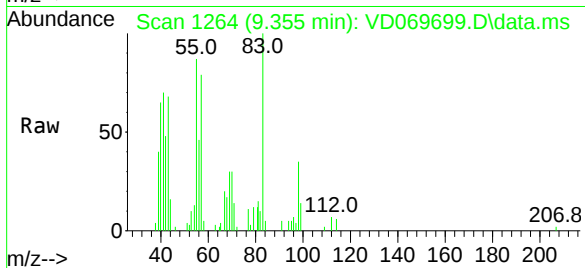
Delta R.T. 0.000 min

Lab File: VD069699.D

Acq: 14 Jul 2021 20:31

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 83	Resp: 15045
Ion Ratio	Lower Upper
83 100	
55 80.8	64.6 97.0
98 35.6	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.481 ug/l

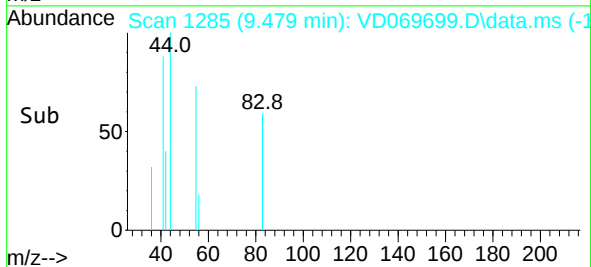
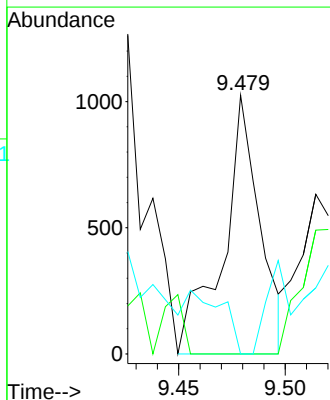
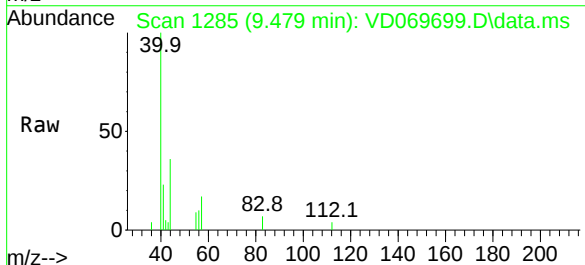
RT: 9.479 min Scan# 1285

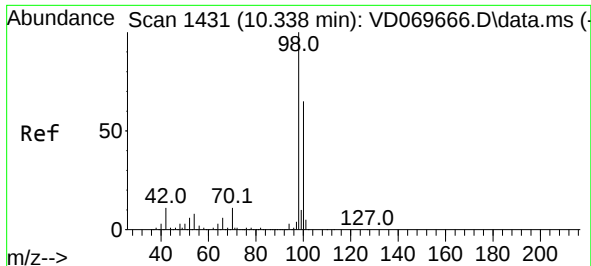
Delta R.T. 0.024 min

Lab File: VD069699.D

Acq: 14 Jul 2021 20:31

Tgt Ion: 41	Resp: 1235
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 20.9	36.7 55.1#

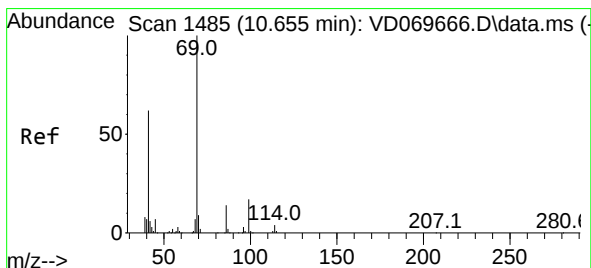
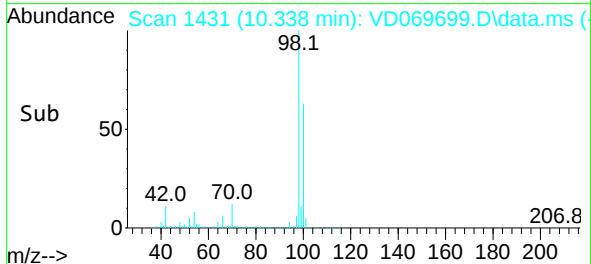
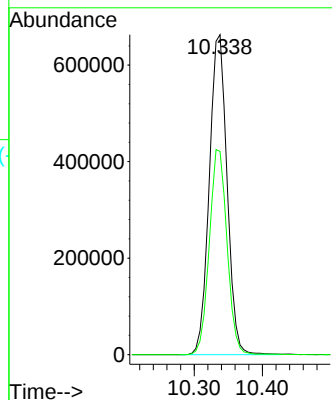
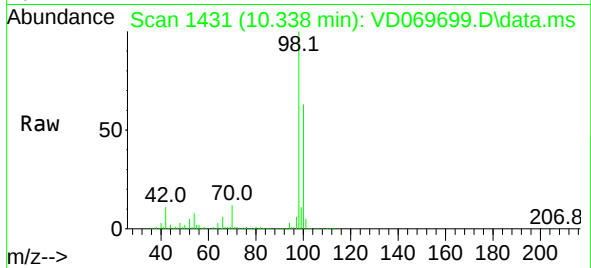




#50
Toluene-d8
Concen: 53.679 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

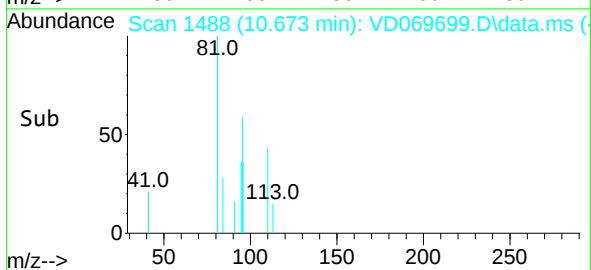
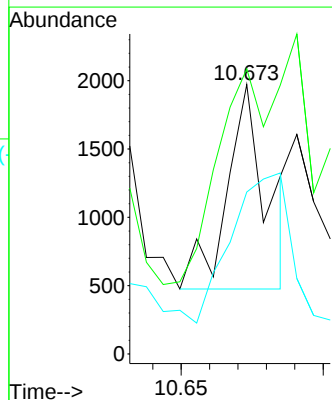
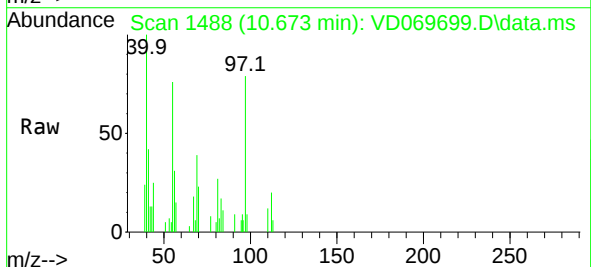
Instrument :
MSVOA_D
ClientSampleId :

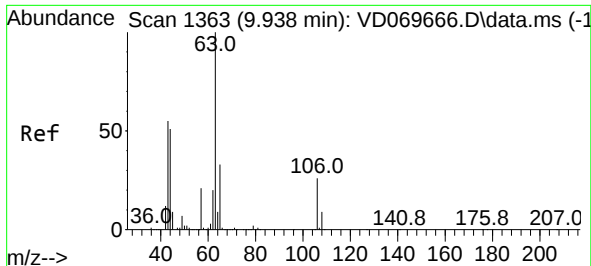
Tgt Ion: 98 Resp: 1203604
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#56
Ethyl methacrylate
Concen: 1.904 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 69 Resp: 1452
Ion Ratio Lower Upper
69 100
41 125.3 49.5 74.3#
39 108.8 22.5 33.7#

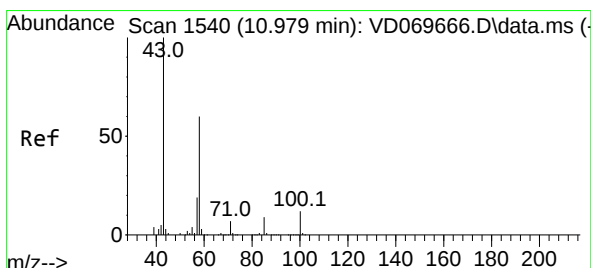
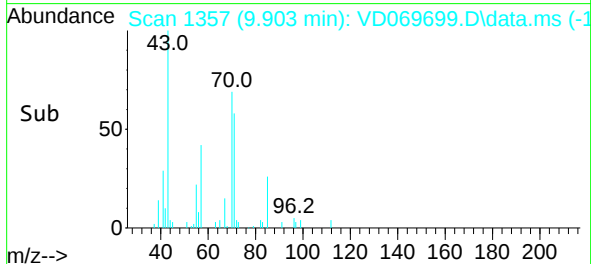
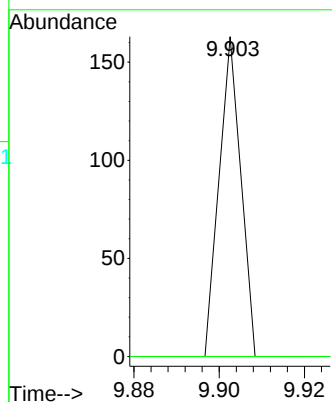
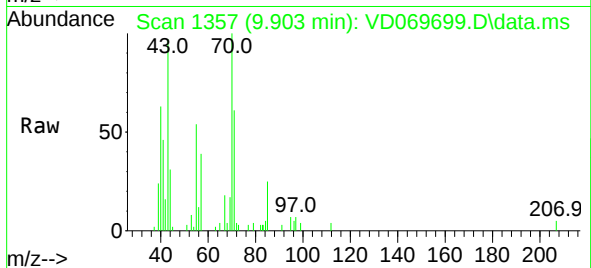




#58
2-Chloroethyl Vinyl ether
Concen: 9.381 ug/l
RT: 9.903 min Scan# 1357
Delta R.T. -0.035 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

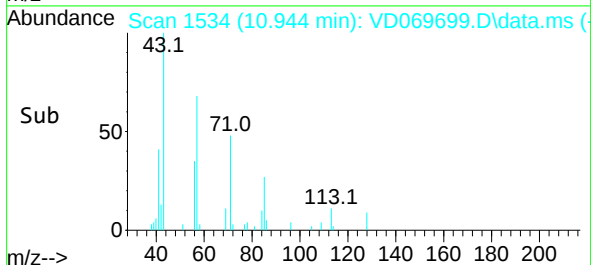
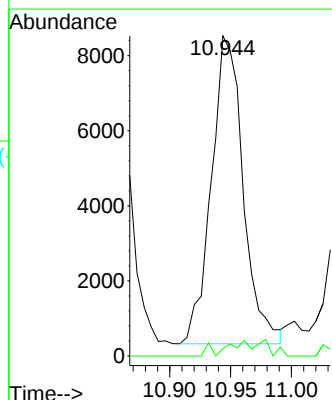
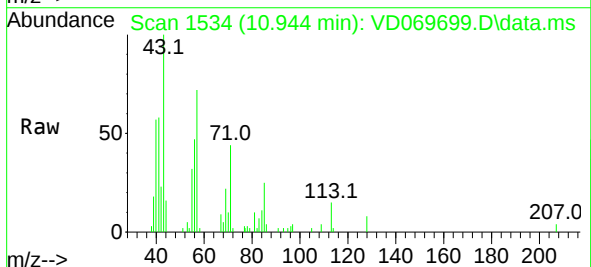
Instrument :
MSVOA_D
ClientSampled :

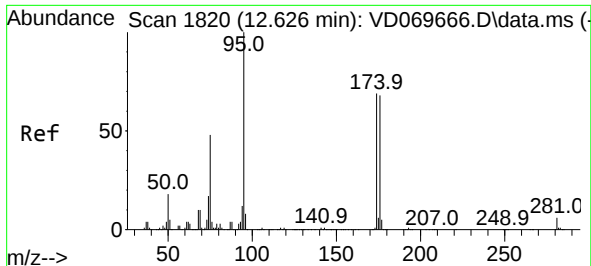
Tgt Ion: 63 Resp: 57
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#59
2-Hexanone
Concen: 7.026 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 43 Resp: 14910
Ion Ratio Lower Upper
43 100
58 0.8 29.1 87.4#

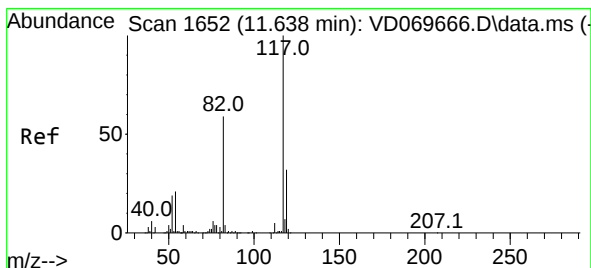
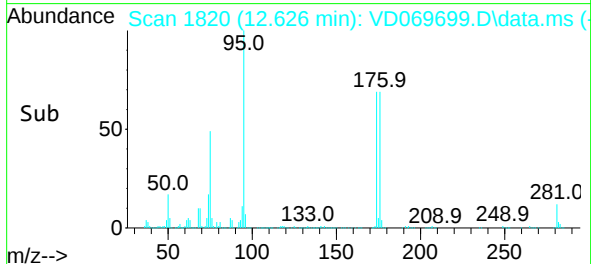
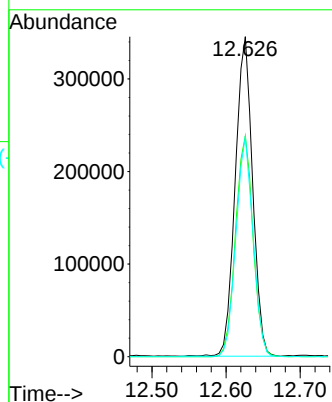
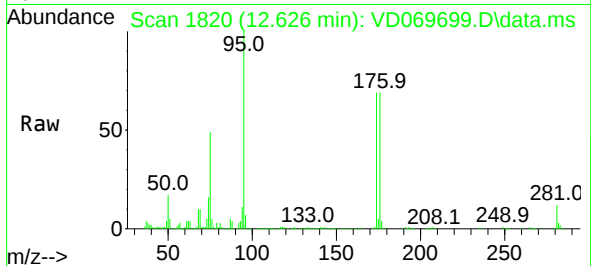




#62
4-Bromofluorobenzene
Concen: 74.871 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

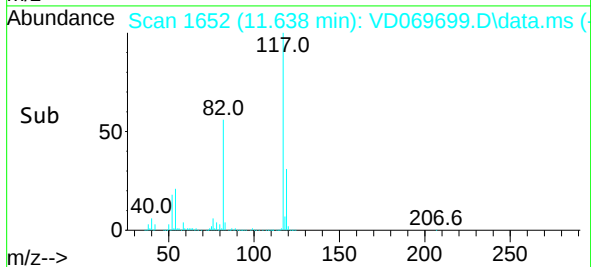
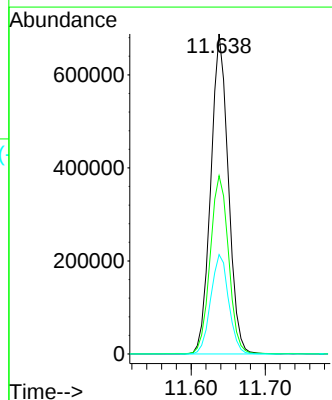
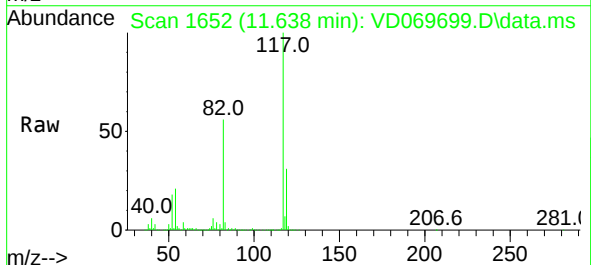
Instrument :
MSVOA_D
ClientSampleId :

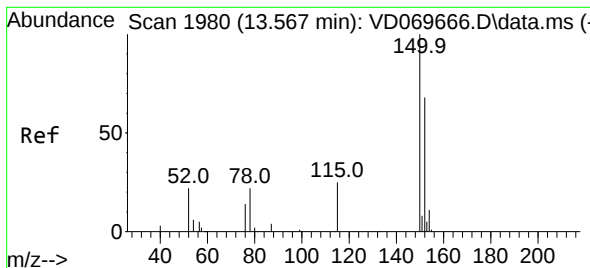
Tgt Ion: 95 Resp: 559883
Ion Ratio Lower Upper
95 100
174 70.0 0.0 140.0
176 67.7 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 117 Resp: 1130718
Ion Ratio Lower Upper
117 100
82 55.6 47.4 71.2
119 31.1 25.5 38.3

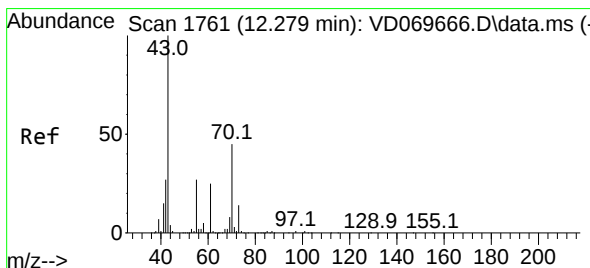
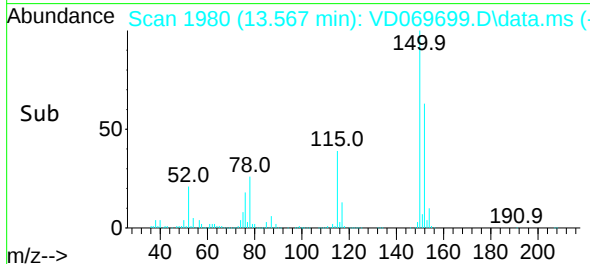
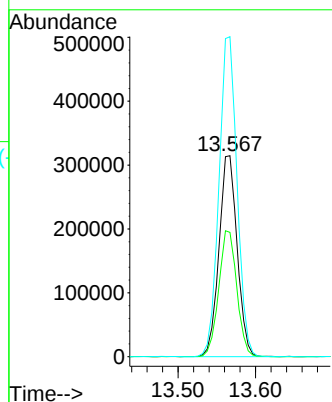
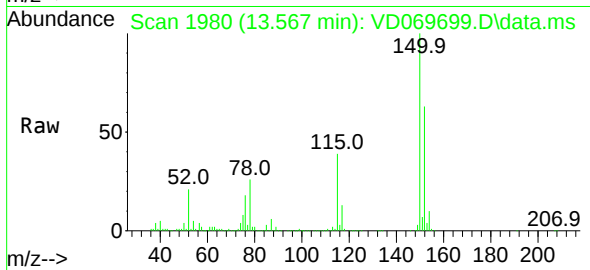




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

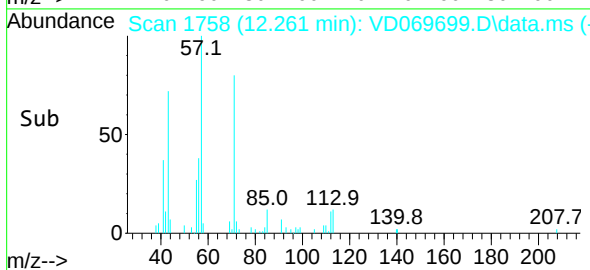
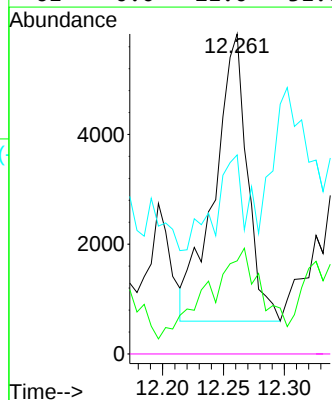
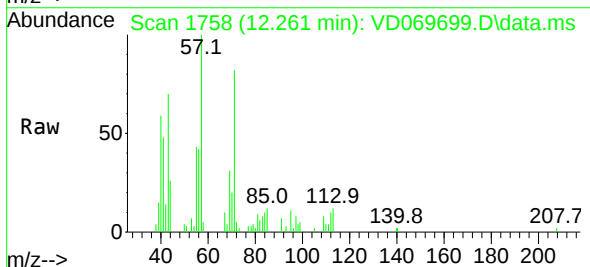
Instrument :
MSVOA_D
ClientSampled :

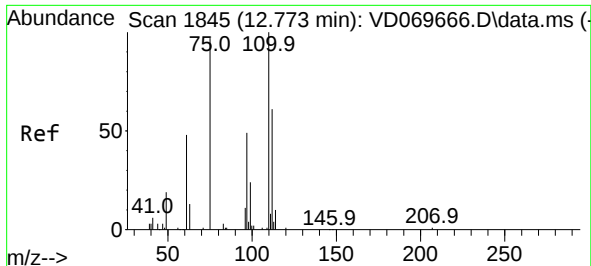
Tgt Ion:152 Resp: 514547
Ion Ratio Lower Upper
152 100
115 62.3 31.7 95.1
150 158.3 0.0 350.4



#74
N-ethyl acetate
Concen: 1.240 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 43 Resp: 9875
Ion Ratio Lower Upper
43 100
70 50.8 36.9 55.3
55 30.1 22.4 33.6
61 0.0 21.0 31.6#

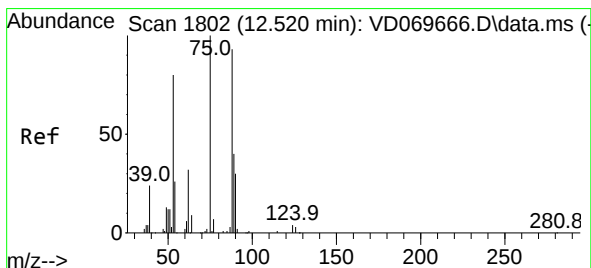
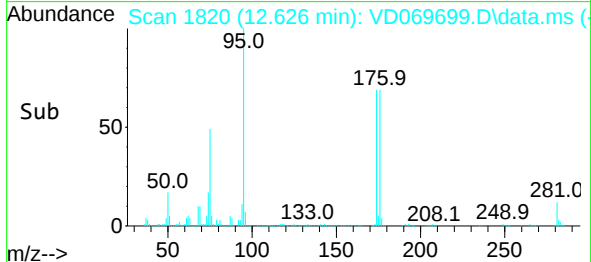
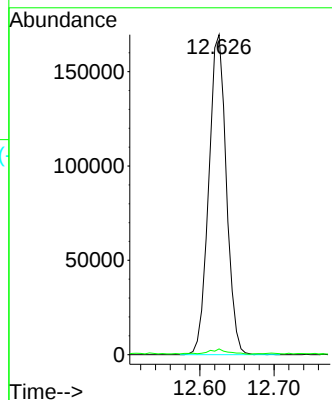
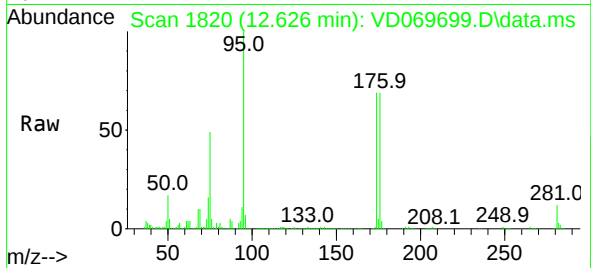




#76
1,2,3-Trichloropropane
Concen: 55.834 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

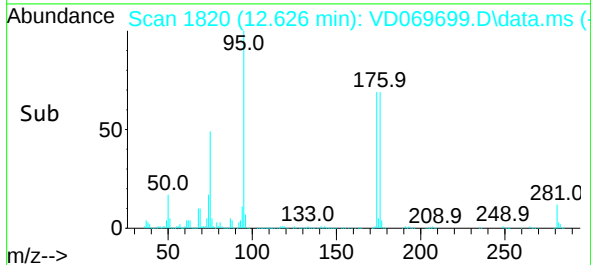
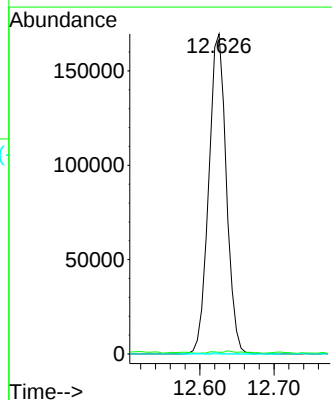
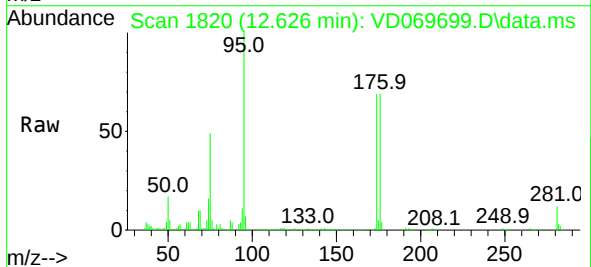
Instrument :
MSVOA_D
ClientSampleId :

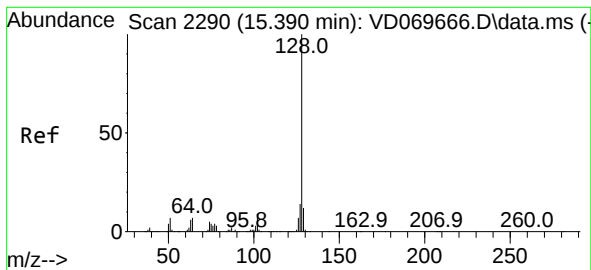
Tgt Ion: 75 Resp: 279094
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 150.050 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Tgt Ion: 75 Resp: 279094
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.1 35.1 52.7#





#95
Naphthalene
Concen: 2.459 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069699.D
Acq: 14 Jul 2021 20:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 4318
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 4.9 8.8 13.2#

