

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069752.D
 Acq On : 19 Jul 2021 15:24
 Operator : VA/SY
 Sample : M3038-07
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:12:51 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)

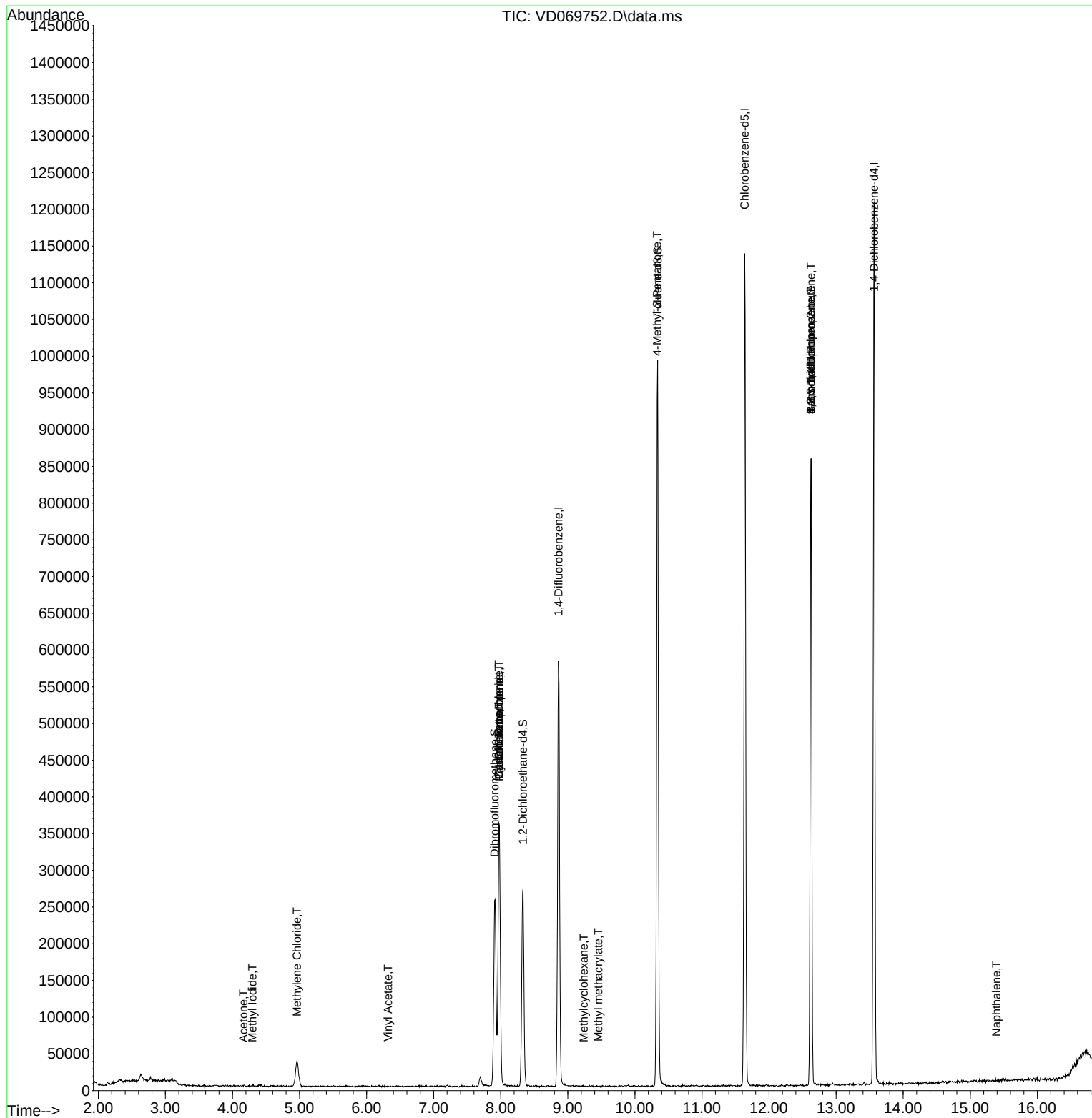
Internal Standards						
1) Pentafluorobenzene	7.979	168	252380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	495144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	646187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	316259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	217412	68.991	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.980%			
35) Dibromofluoromethane	7.908	113	188976	56.889	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.780%			
50) Toluene-d8	10.338	98	682050	52.850	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.626	95	296561	68.903	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 137.800%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	2720	Below Cal		87
10) Methyl Iodide	4.297	142	599	2.650 ug/l #		54
16) Acetone	4.162	43	1761	15.536 ug/l #		81
18) Methyl Acetate	4.714	43	131	Below Cal #		49
20) Methylene Chloride	4.961	84	29611	2.086 ug/l #		91
23) Vinyl Acetate	6.320	43	126	15.449 ug/l #		72
31) Cyclohexane	7.973	56	6258	1.562 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	22698	4.443 ug/l #		48
38) Carbon Tetrachloride	7.973	117	25543	5.461 ug/l #		19
39) Methylcyclohexane	9.238	83	63	1.968 ug/l #		16
48) Methyl methacrylate	9.455	41	54	1.131 ug/l #		13
51) 4-Methyl-2-Pentanone	10.332	43	2725	1.487 ug/l #		1
71) Bromoform	12.626	173	2920	1.306 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	144930	47.172 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	144930	126.773 ug/l #		14
95) Naphthalene	15.390	128	317	2.235 ug/l #		69

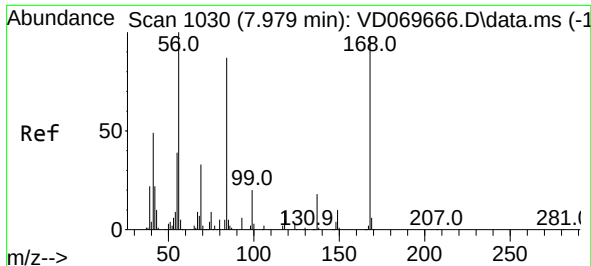
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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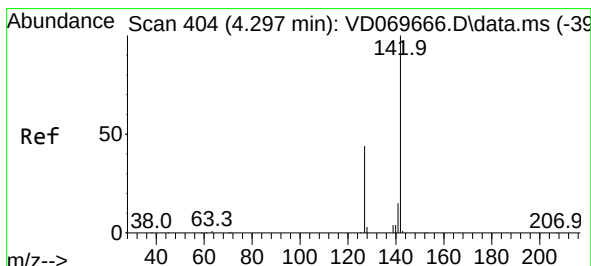
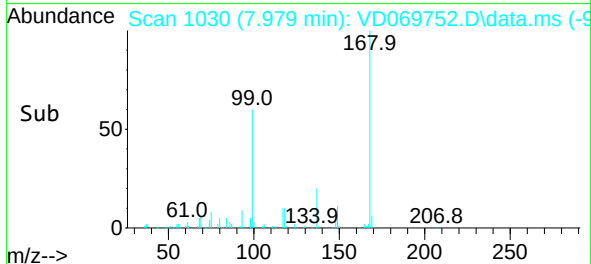
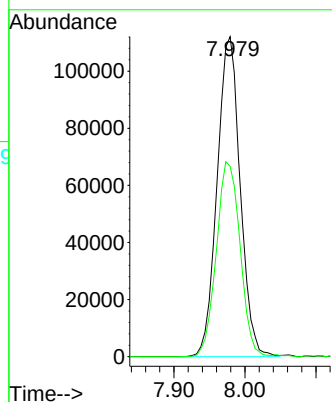
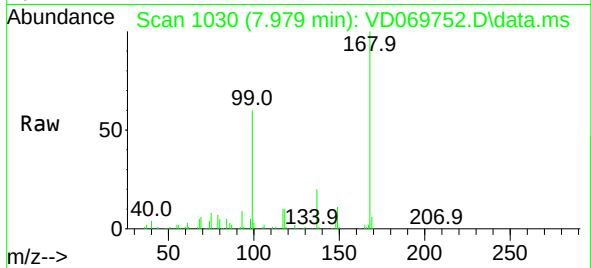




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

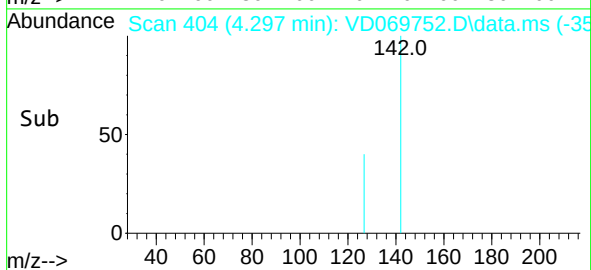
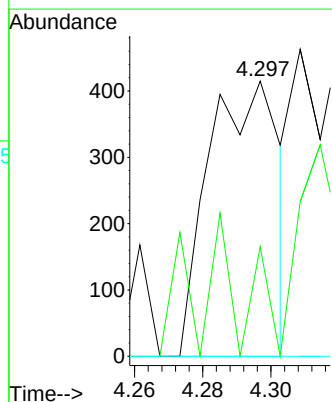
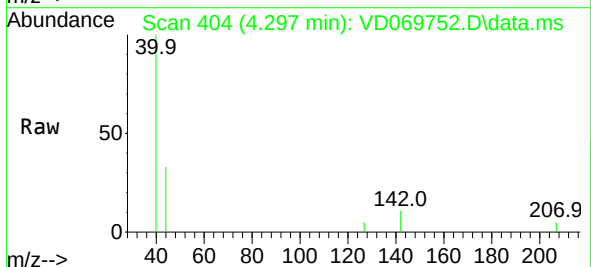
Instrument :
MSVOA_D
ClientSampleId :

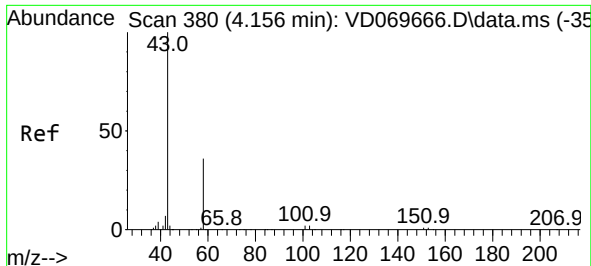
Tgt Ion:168 Resp: 252380
Ion Ratio Lower Upper
168 100
99 59.5 51.8 77.6



#10
Methyl Iodide
Concen: 2.650 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion:142 Resp: 599
Ion Ratio Lower Upper
142 100
127 12.7 36.1 54.1#
141 0.0 11.6 17.4#

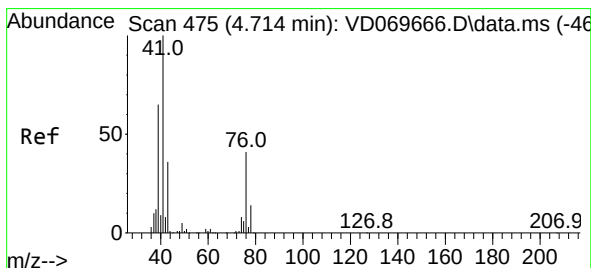
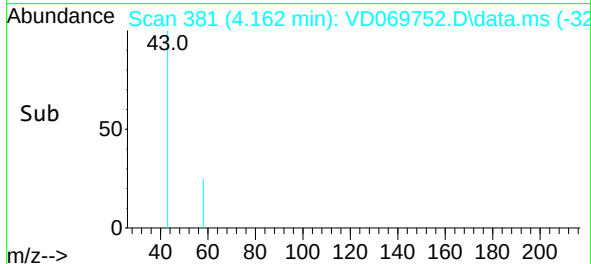
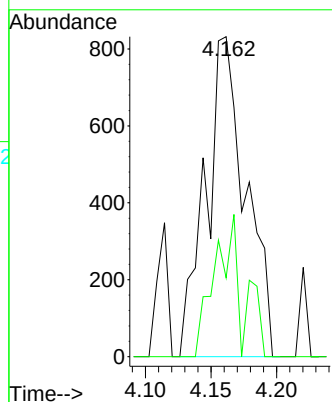
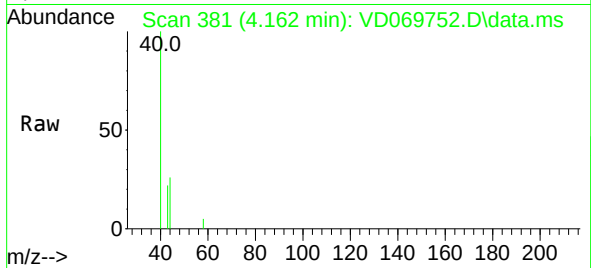




#16
Acetone
Concen: 15.536 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

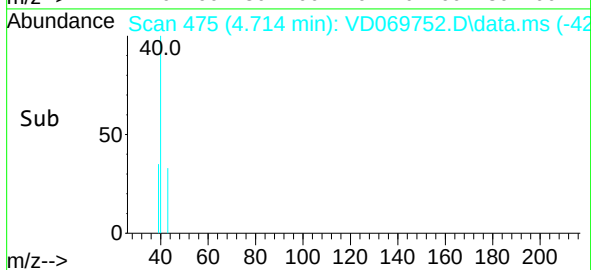
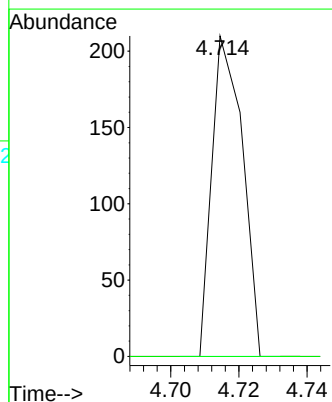
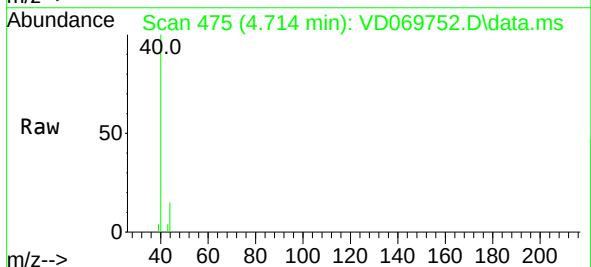
Instrument :
MSVOA_D
ClientSampleId :

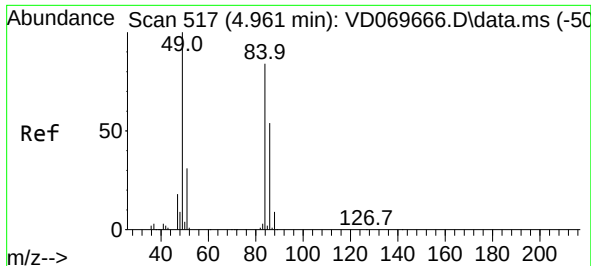
Tgt Ion: 43 Resp: 1761
Ion Ratio Lower Upper
43 100
58 24.6 28.6 42.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

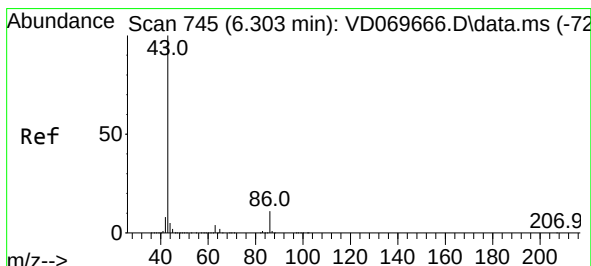
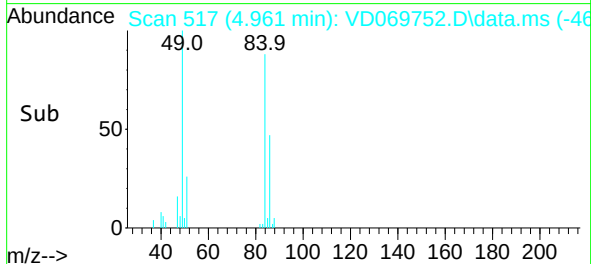
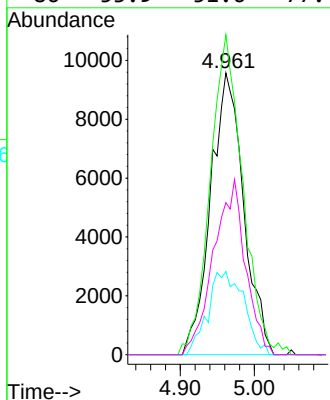
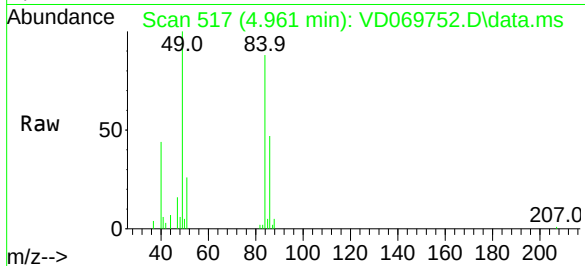




#20
Methylene Chloride
Concen: 2.086 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

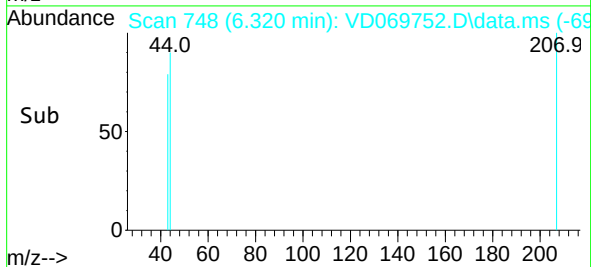
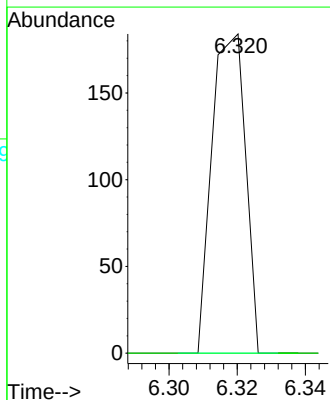
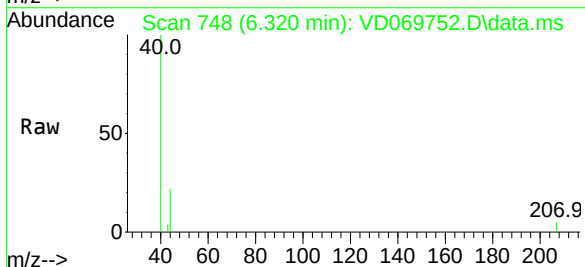
Instrument :
MSVOA_D
ClientSampleId :

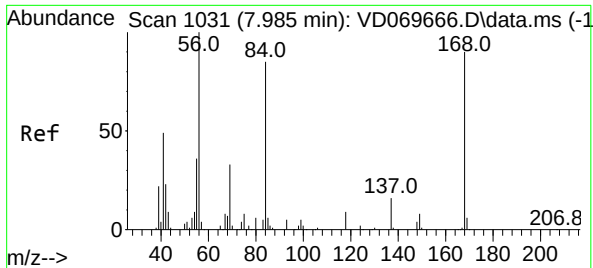
Tgt Ion:	84	Resp:	29611
Ion	Ratio	Lower	Upper
84	100		
49	113.6	95.5	143.3
51	29.5	29.7	44.5#
86	53.9	51.6	77.4



#23
Vinyl Acetate
Concen: 15.449 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion:	43	Resp:	126
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

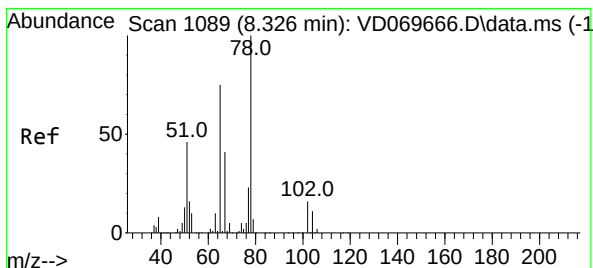
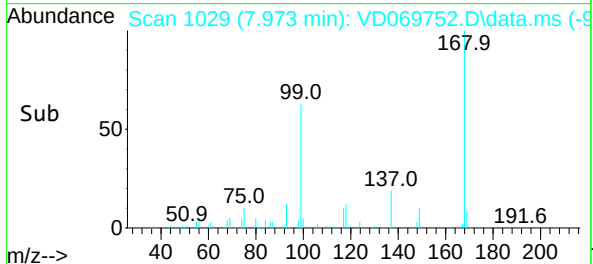
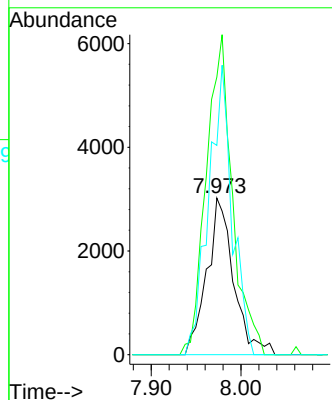
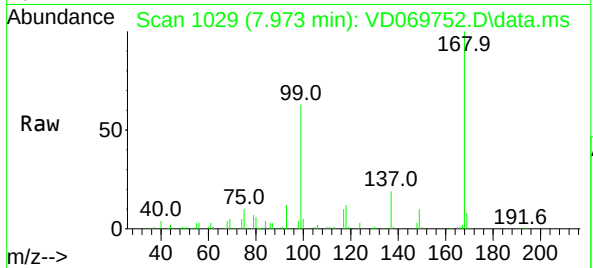




#31
Cyclohexane
Concen: 1.562 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

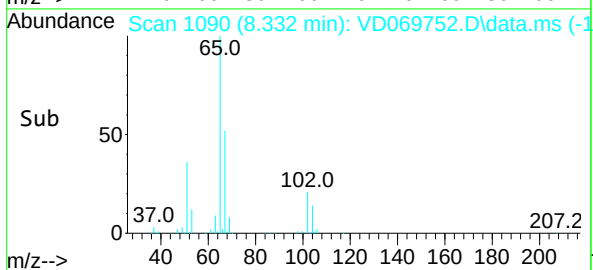
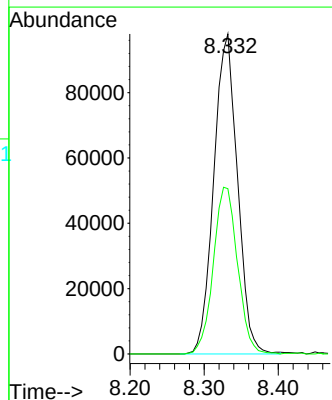
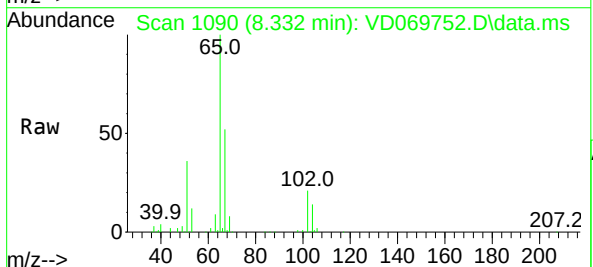
Instrument :
MSVOA_D
ClientSampled :

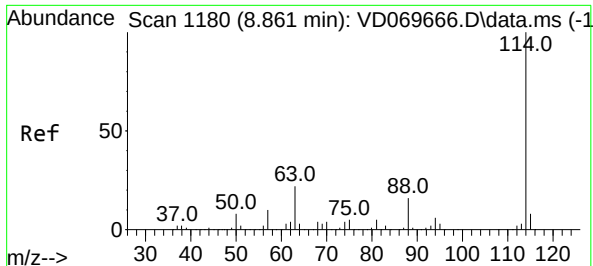
Tgt Ion: 56 Resp: 6258
Ion Ratio Lower Upper
56 100
69 177.2 26.6 39.8#
84 133.6 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 68.991 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion: 65 Resp: 217412
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.2

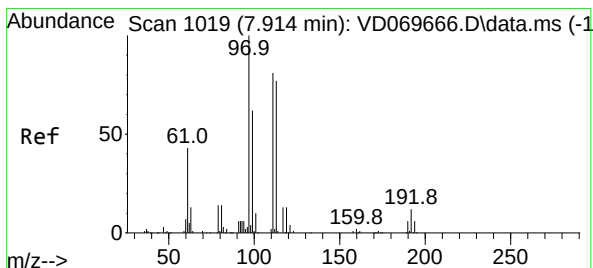
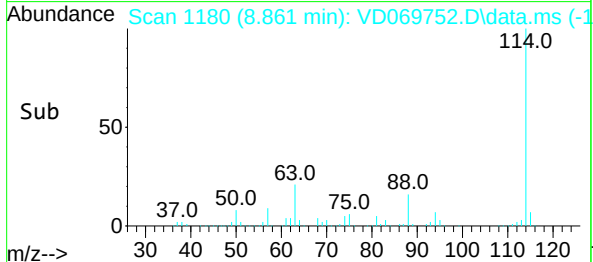
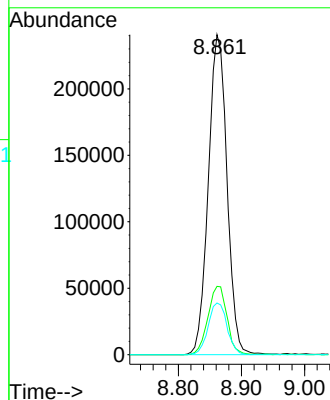
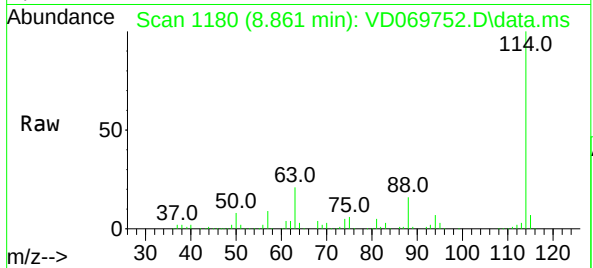




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

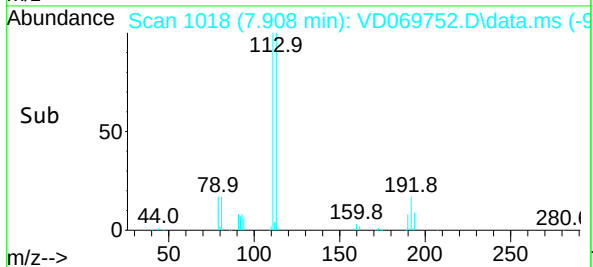
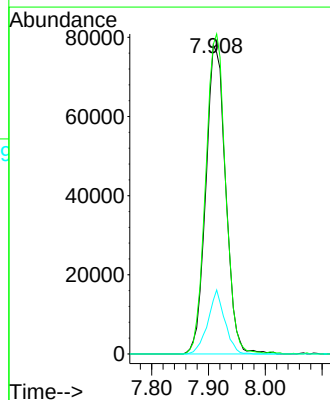
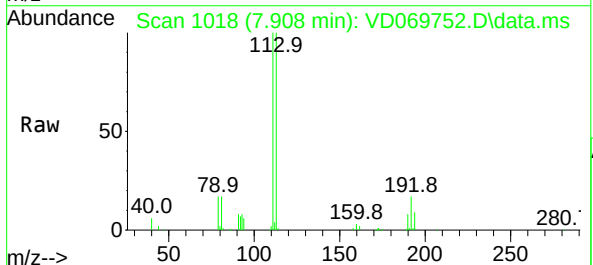
Instrument :
MSVOA_D
ClientSampleId :

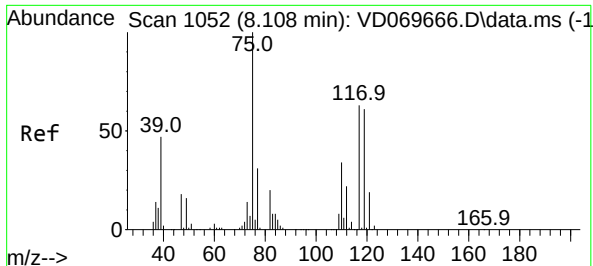
Tgt Ion:114 Resp: 495144
Ion Ratio Lower Upper
114 100
63 21.4 0.0 43.4
88 16.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 56.889 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion:113 Resp: 188976
Ion Ratio Lower Upper
113 100
111 103.4 82.6 123.8
192 17.6 12.7 19.1

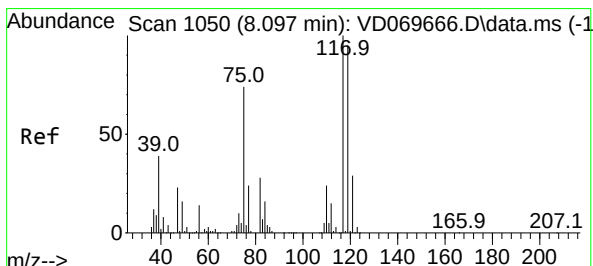
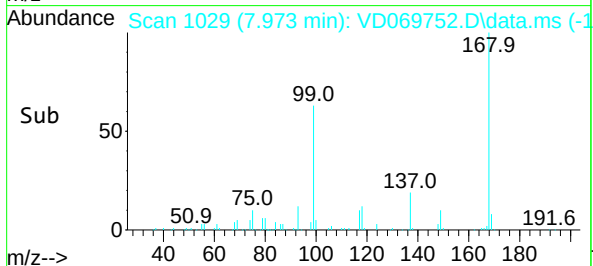
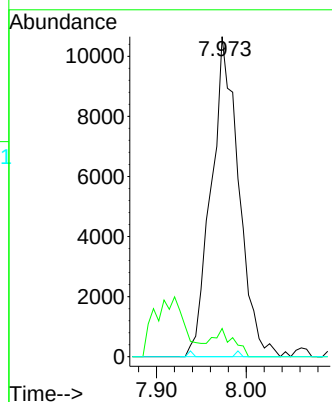
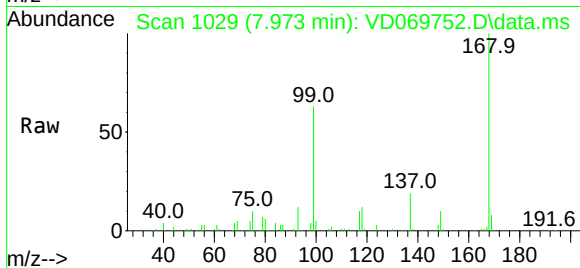




#36
1,1-Dichloropropene
Concen: 4.443 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

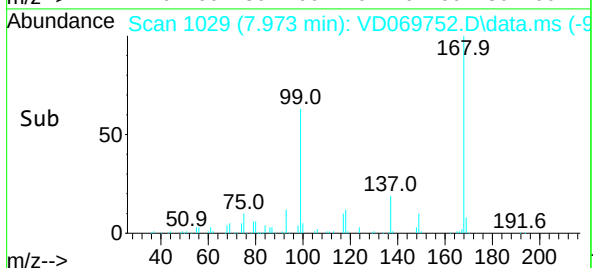
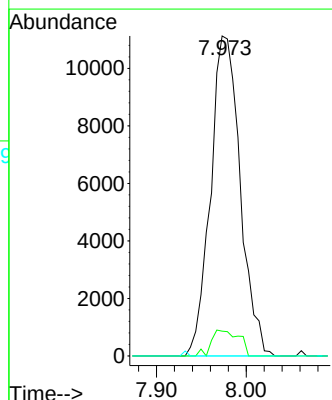
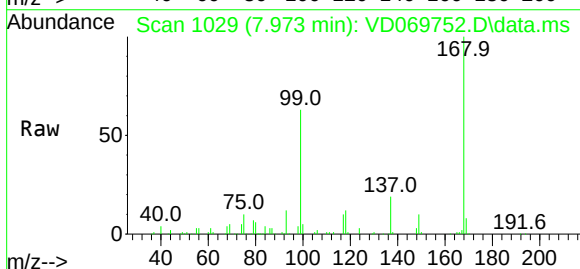
Instrument :
MSVOA_D
ClientSampled :

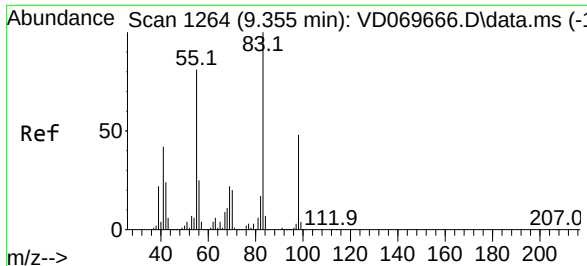
Tgt Ion: 75 Resp: 22698
Ion Ratio Lower Upper
75 100
110 6.3 16.7 50.0#
77 0.3 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.461 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion: 117 Resp: 25543
Ion Ratio Lower Upper
117 100
119 7.7 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.968 ug/l

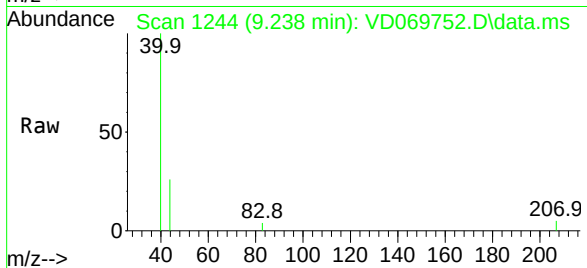
RT: 9.238 min Scan# 1244

Delta R.T. -0.117 min

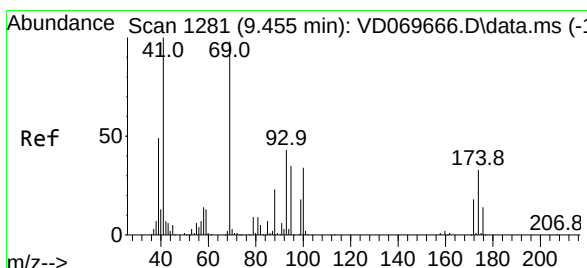
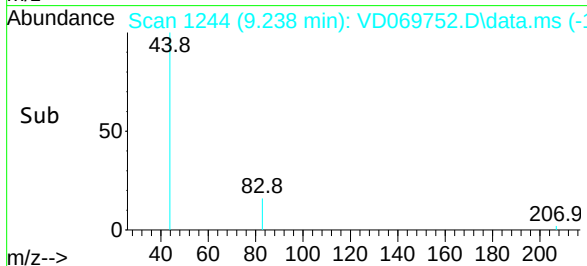
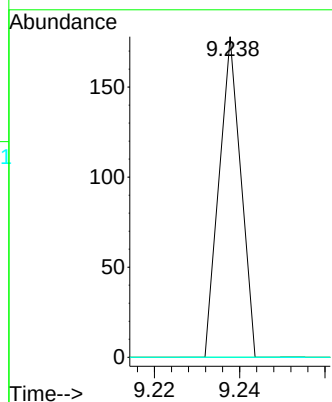
Lab File: VD069752.D

Acq: 19 Jul 2021 15:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 83	Resp: 63
Ion Ratio	Lower Upper
83 100	
55 0.0	64.6 97.0#
98 0.0	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.131 ug/l

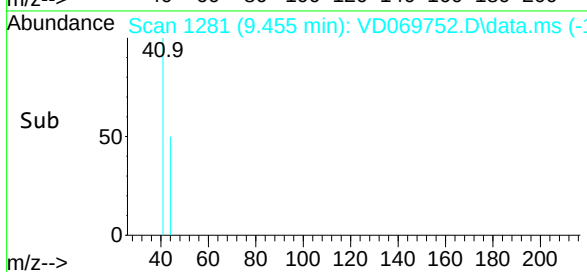
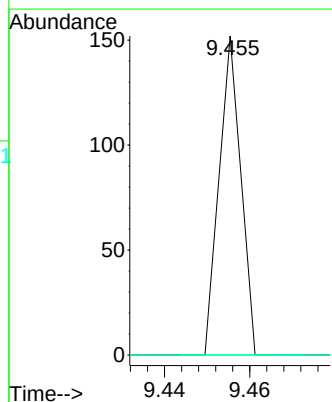
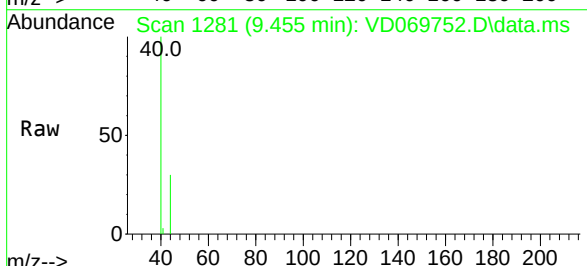
RT: 9.455 min Scan# 1281

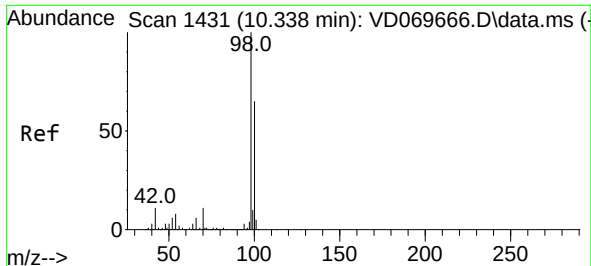
Delta R.T. 0.000 min

Lab File: VD069752.D

Acq: 19 Jul 2021 15:24

Tgt Ion: 41	Resp: 54
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 0.0	36.7 55.1#

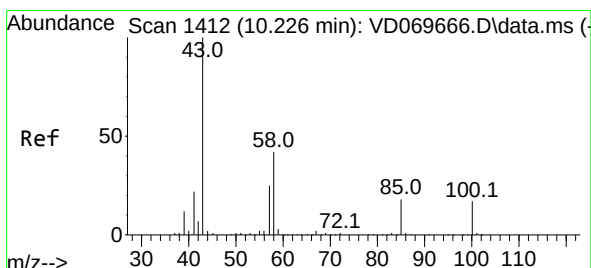
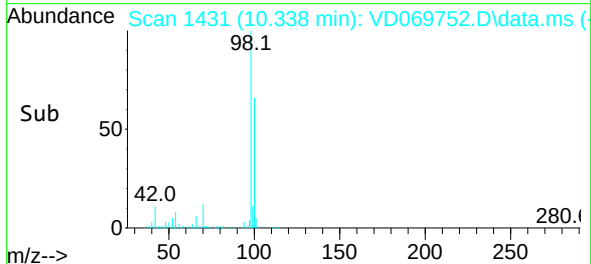
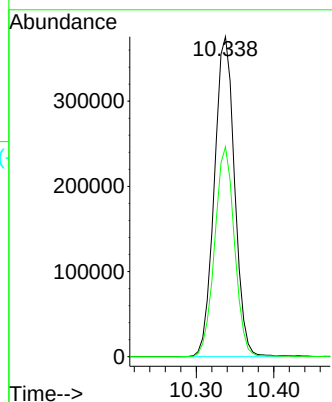
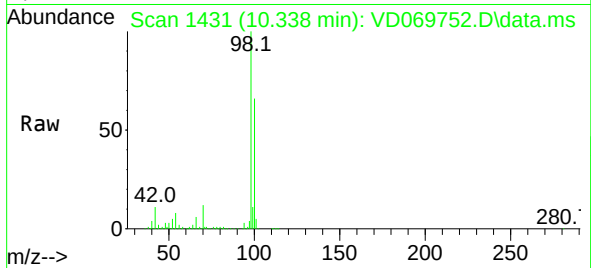




#50
Toluene-d8
Concen: 52.850 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

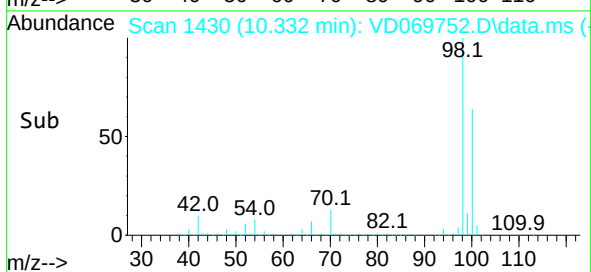
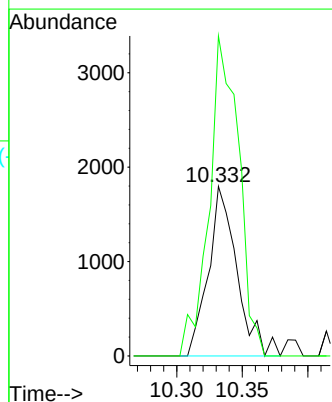
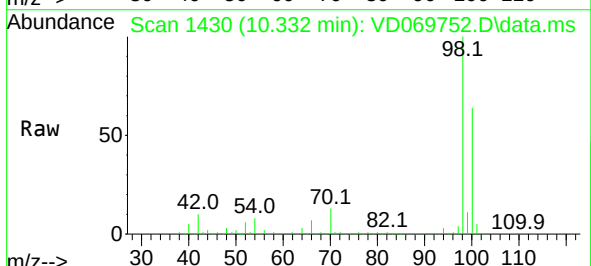
Instrument :
MSVOA_D
ClientSampleId :

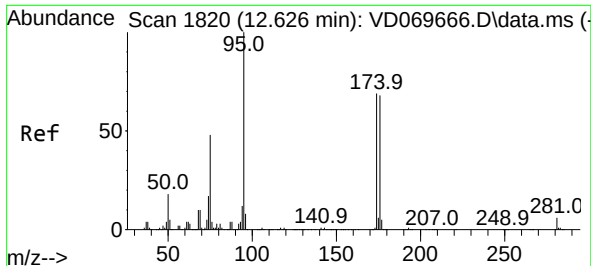
Tgt Ion: 98 Resp: 682050
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.487 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion: 43 Resp: 2725
Ion Ratio Lower Upper
43 100
58 196.0 33.5 50.3#

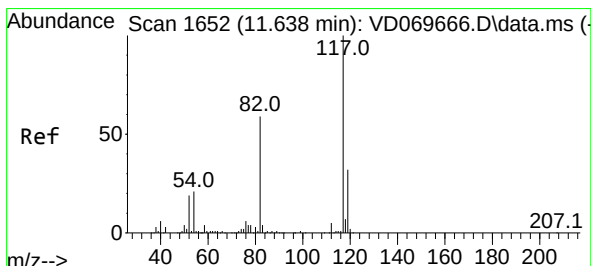
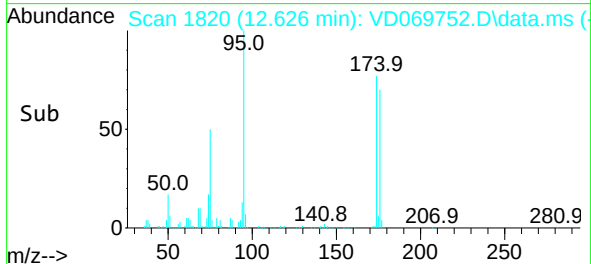
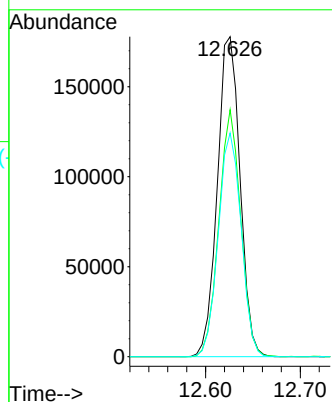
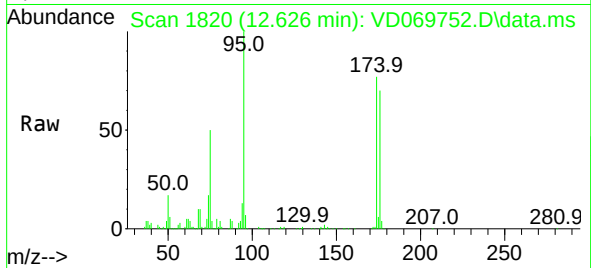




#62
4-Bromofluorobenzene
Concen: 68.903 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

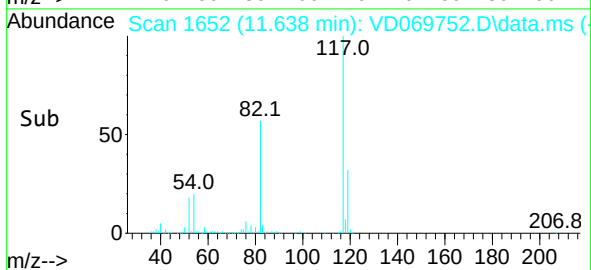
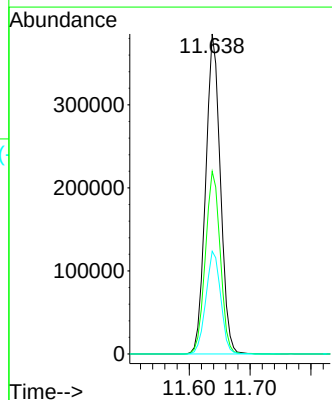
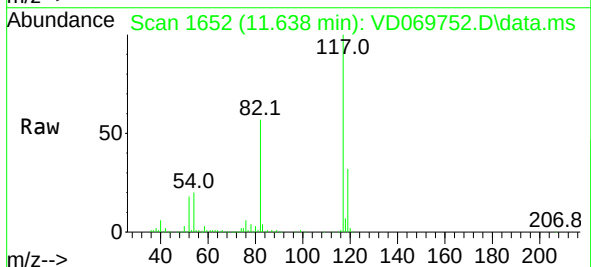
Instrument :
MSVOA_D
ClientSampleId :

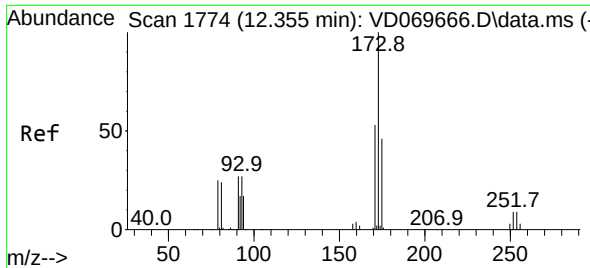
Tgt Ion: 95 Resp: 296561
Ion Ratio Lower Upper
95 100
174 74.3 0.0 140.0
176 70.3 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion: 117 Resp: 646187
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 32.1 25.5 38.3

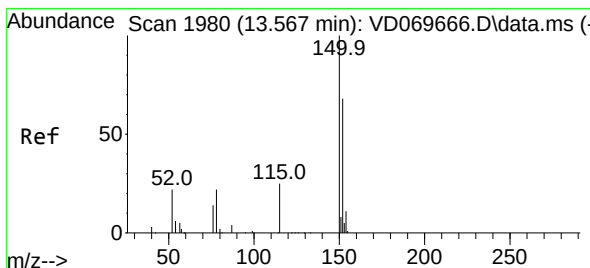
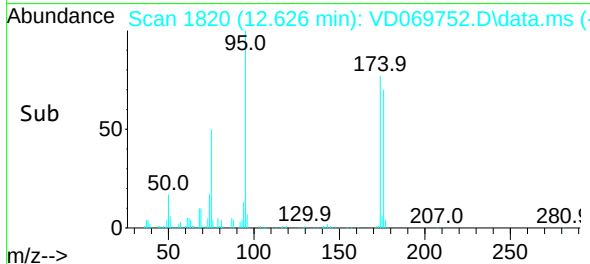
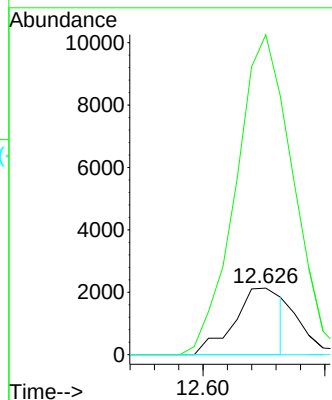
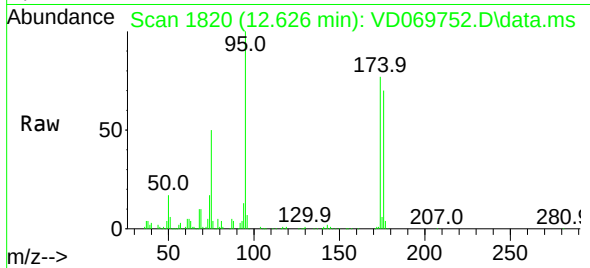




#71
Bromoform
Concen: 1.306 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

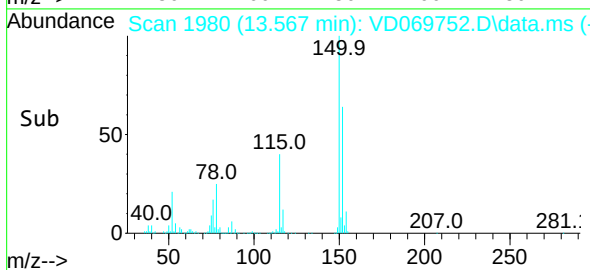
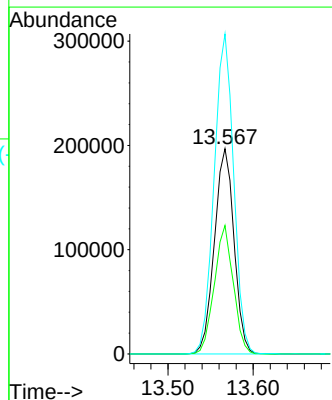
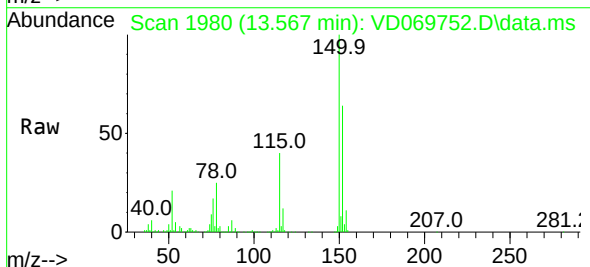
Instrument :
MSVOA_D
ClientSampleId :

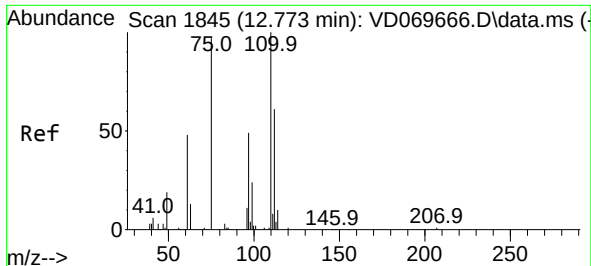
Tgt Ion:173 Resp: 2920
Ion Ratio Lower Upper
173 100
175 458.0 24.2 72.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion:152 Resp: 316259
Ion Ratio Lower Upper
152 100
115 60.4 31.7 95.1
150 155.0 0.0 350.4

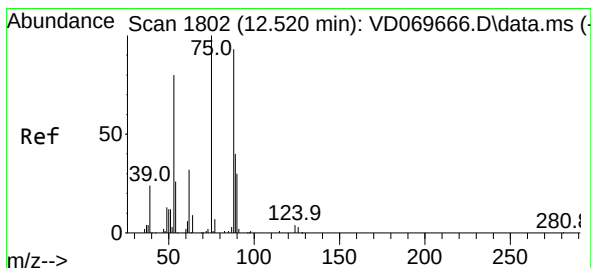
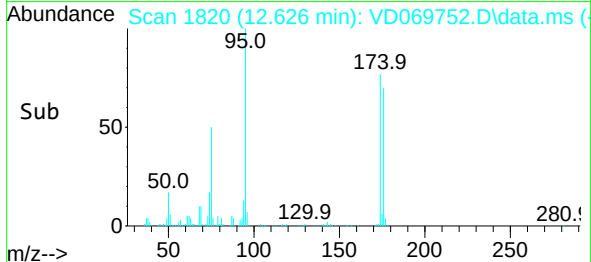
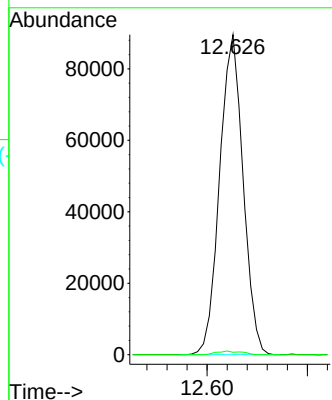
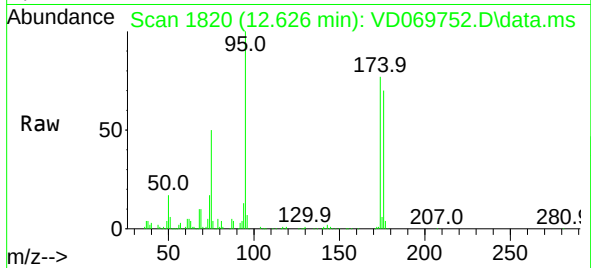




#76
1,2,3-Trichloropropane
Concen: 47.172 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

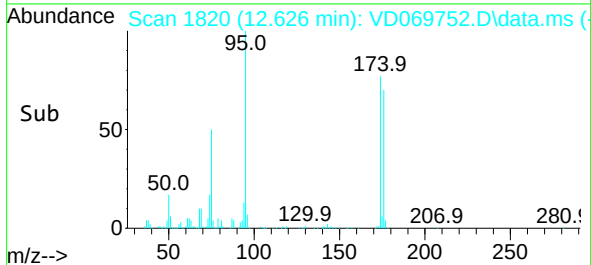
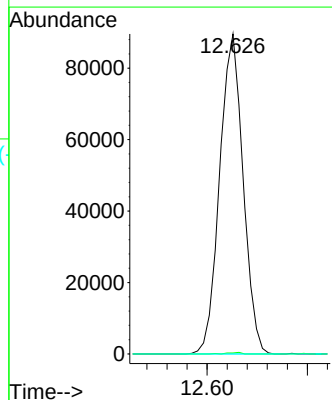
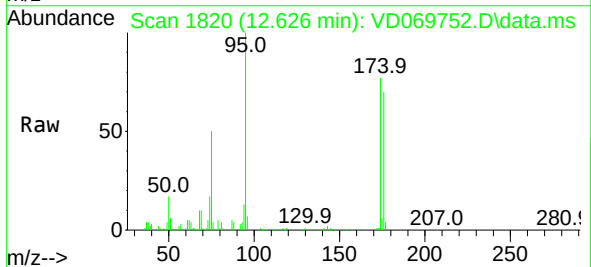
Instrument :
MSVOA_D
ClientSampleId :

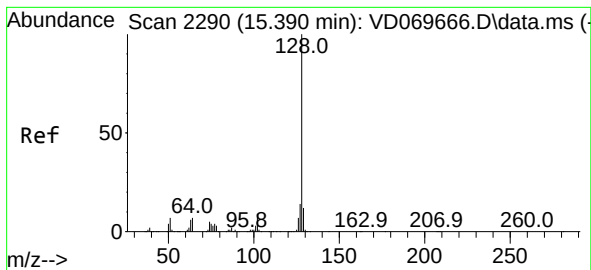
Tgt Ion: 75 Resp: 144930
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.773 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Tgt Ion: 75 Resp: 144930
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.235 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069752.D
Acq: 19 Jul 2021 15:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 317
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 21.8 8.8 13.2#

