

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069751.D
 Acq On : 19 Jul 2021 14:55
 Operator : VA/SY
 Sample : M3038-05
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:12:34 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)

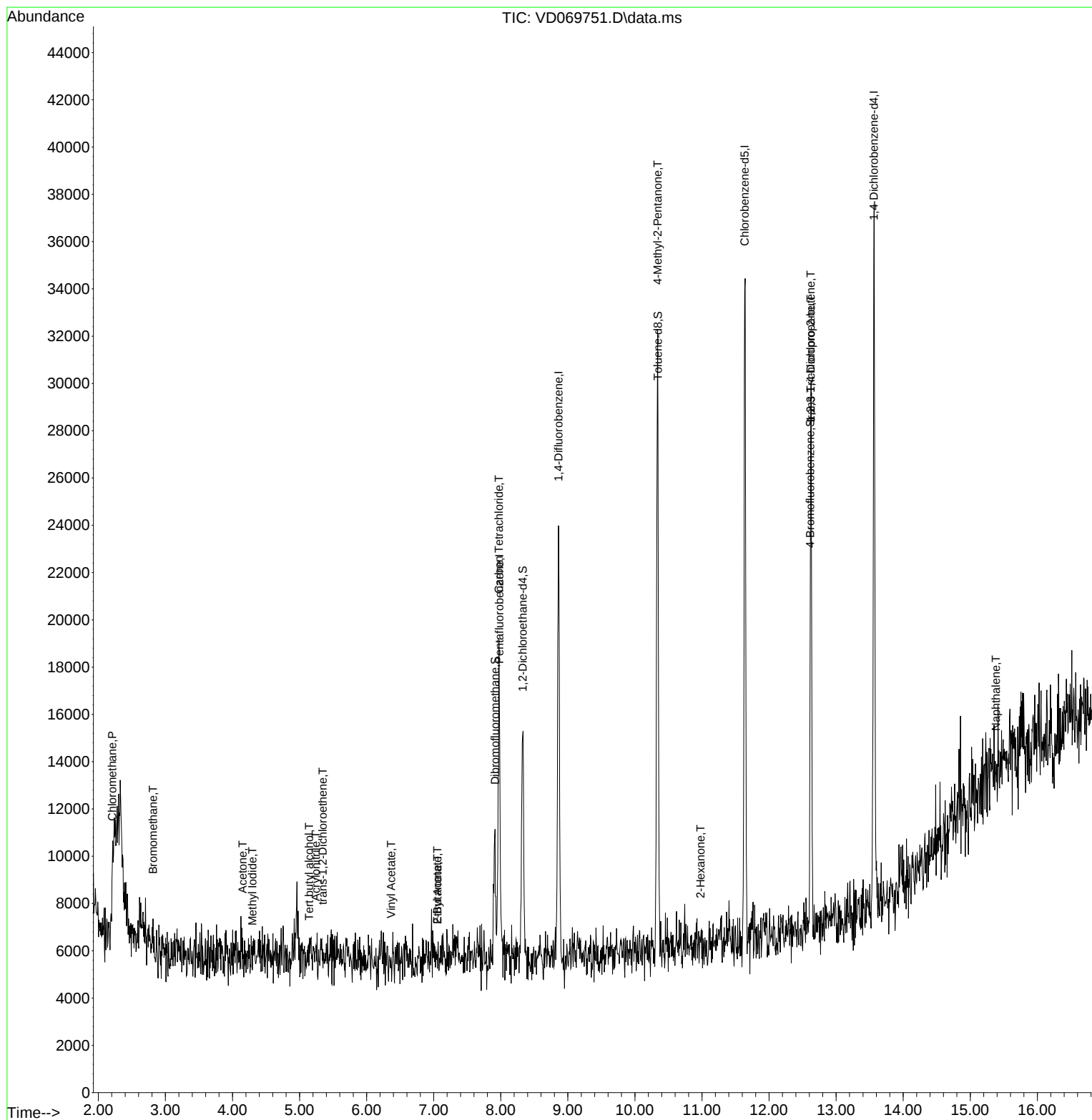
Internal Standards						
1) Pentafluorobenzene	7.979	168	8954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	15886	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17544	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	8489	75.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	151.860%
35) Dibromofluoromethane	7.914	113	4029	37.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.600%
50) Toluene-d8	10.344	98	18552	44.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.620%
62) 4-Bromofluorobenzene	12.614	95	7388	53.502	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.000%
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	258	1.760	ug/l #	42
5) Bromomethane	2.815	94	598	5.579	ug/l #	72
10) Methyl Iodide	4.297	142	59	2.972	ug/l #	22
11) Tert butyl alcohol	5.144	59	54	3.615	ug/l #	79
15) Acrylonitrile	5.244	53	61	2.684	ug/l #	18
16) Acetone	4.150	43	378	27.674	ug/l #	39
18) Methyl Acetate	4.703	43	63	Below Cal	#	49
21) trans-1,2-Dichloroethene	5.344	96	120	1.029	ug/l #	1
23) Vinyl Acetate	6.367	43	59	15.740	ug/l #	72
25) 2-Butanone	7.055	43	150	5.677	ug/l #	47
37) Ethyl Acetate	7.055	43	150	2.420	ug/l #	67
38) Carbon Tetrachloride	7.973	117	776	5.171	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	85	1.446	ug/l #	34
59) 2-Hexanone	10.979	43	60	1.531	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	3640	47.689	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	3640	128.161	ug/l #	14
95) Naphthalene	15.384	128	108	2.620	ug/l #	69

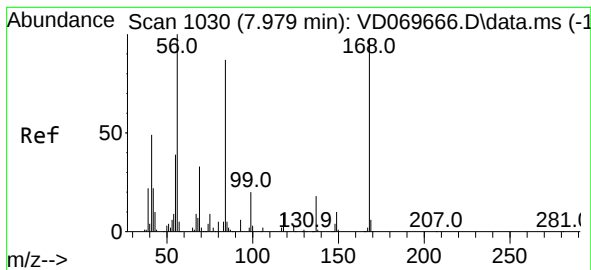
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
Data File : VD069751.D
Acq On : 19 Jul 2021 14:55
Operator : VA/SY
Sample : M3038-05
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jul 20 02:12:34 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

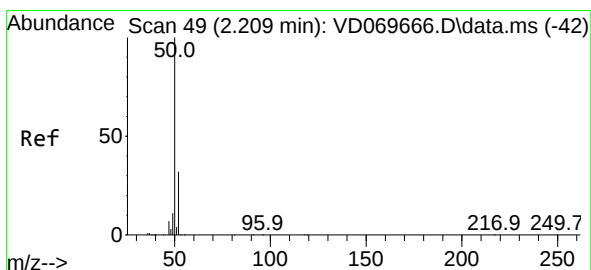
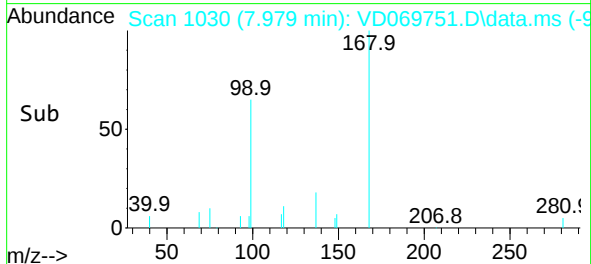
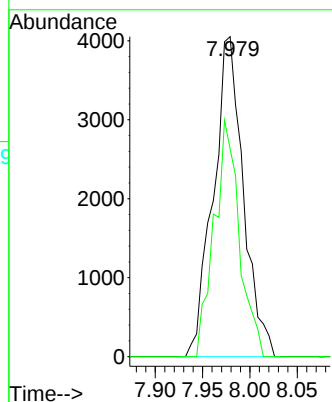
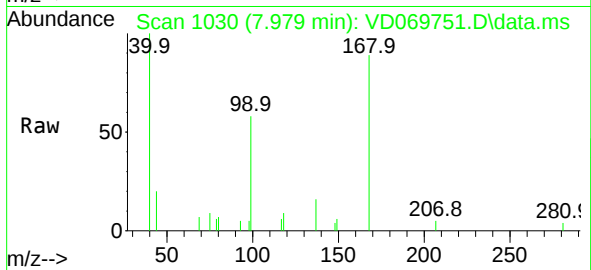




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

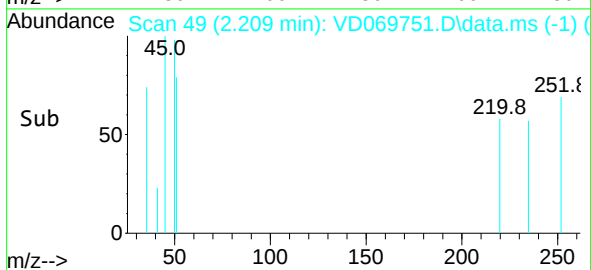
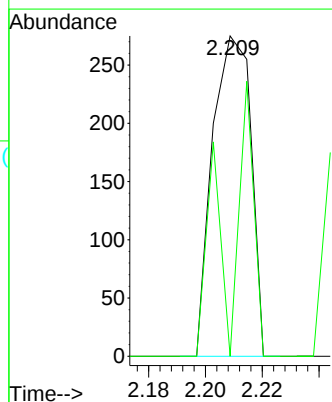
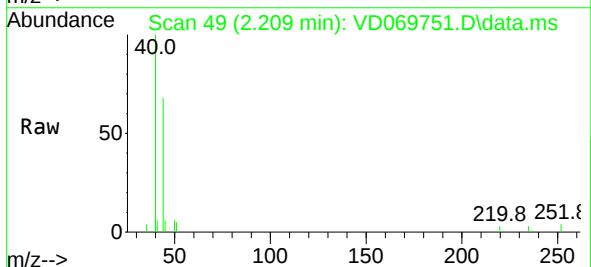
Instrument :
MSVOA_D
ClientSampleId :

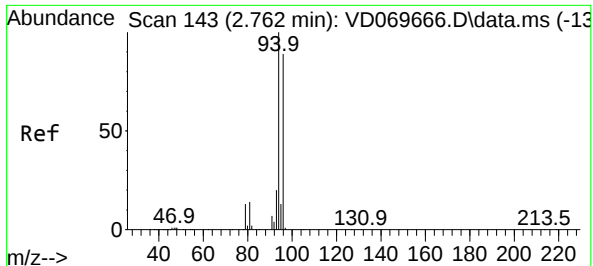
Tgt Ion:168 Resp: 8954
Ion Ratio Lower Upper
168 100
99 65.0 51.8 77.6



#3
Chloromethane
Concen: 1.760 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion: 50 Resp: 258
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

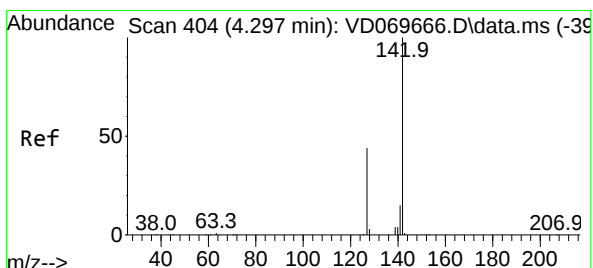
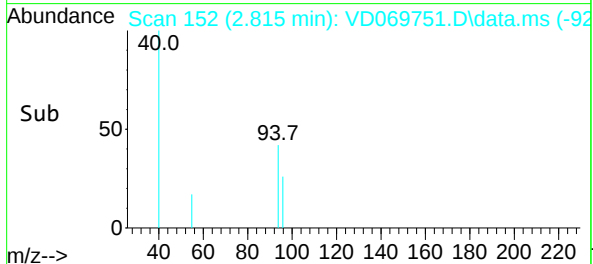
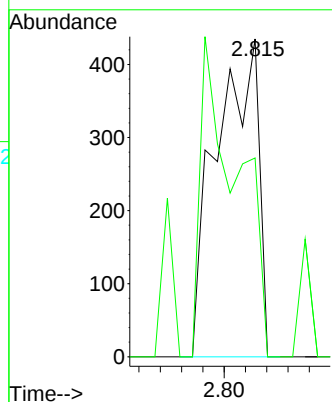
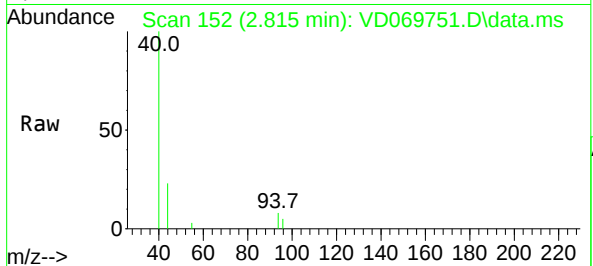




#5
Bromomethane
Concen: 5.579 ug/l
RT: 2.815 min Scan# 152
Delta R.T. 0.053 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

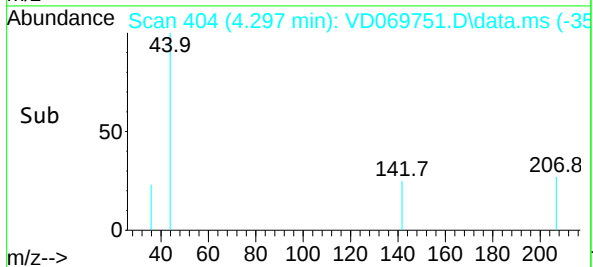
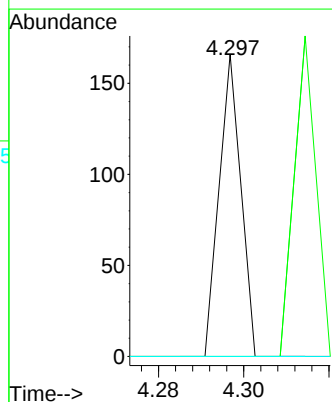
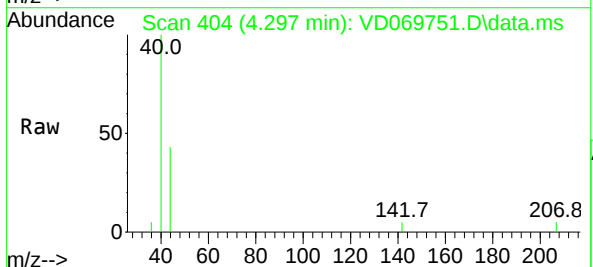
Instrument :
MSVOA_D
ClientSampled :

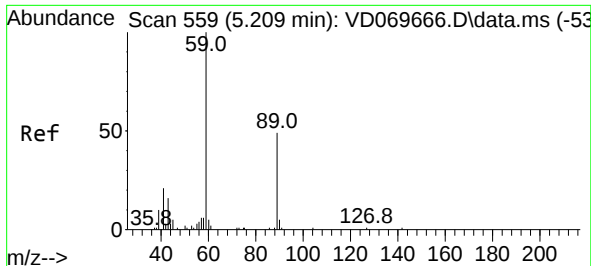
Tgt Ion: 94 Resp: 598
Ion Ratio Lower Upper
94 100
96 62.5 71.2 106.8#



#10
Methyl Iodide
Concen: 2.972 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 105.1 36.1 54.1#
141 0.0 11.6 17.4#

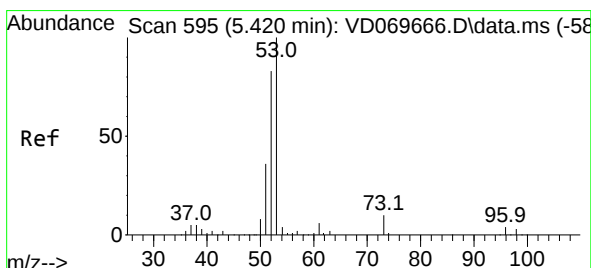
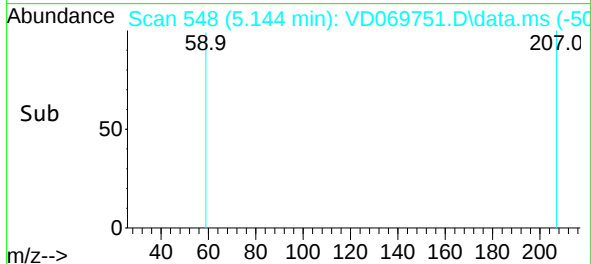
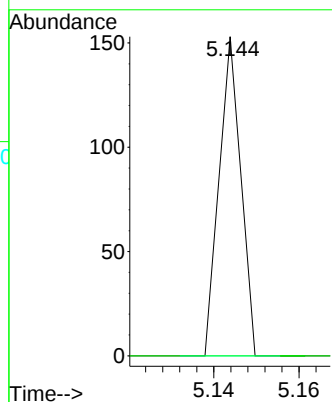
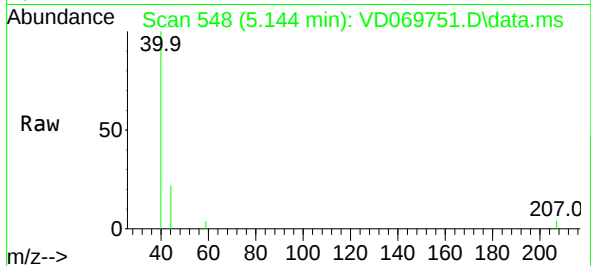




#11
Tert butyl alcohol
Concen: 3.615 ug/l
RT: 5.144 min Scan# 548
Delta R.T. -0.065 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

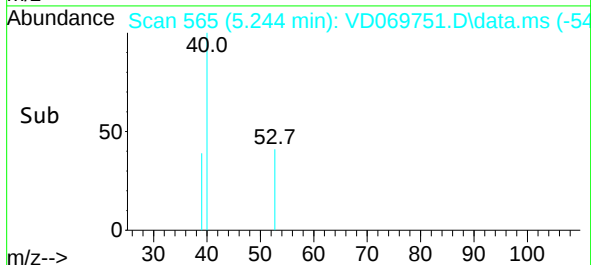
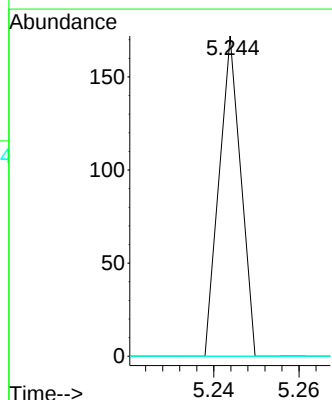
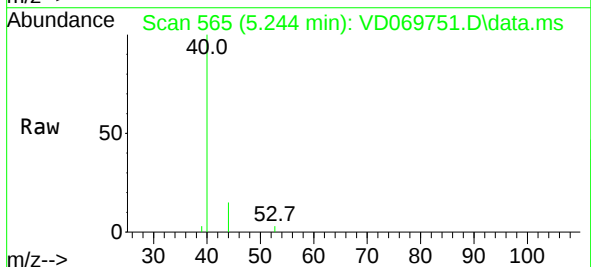
Instrument :
MSVOA_D
ClientSampled :

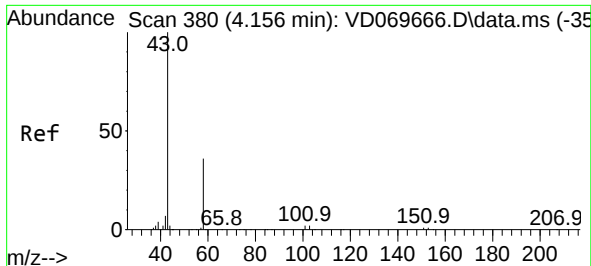
Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#15
Acrylonitrile
Concen: 2.684 ug/l
RT: 5.244 min Scan# 565
Delta R.T. -0.176 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

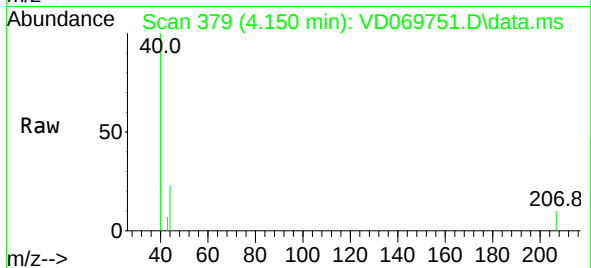
Tgt Ion: 53 Resp: 61
Ion Ratio Lower Upper
53 100
52 0.0 64.8 97.2#
51 0.0 28.2 42.2#



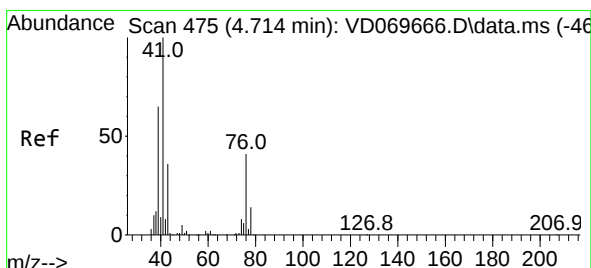
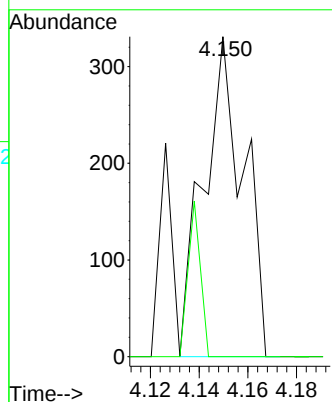
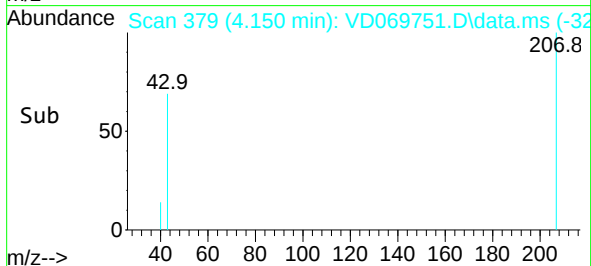


#16
Acetone
Concen: 27.674 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

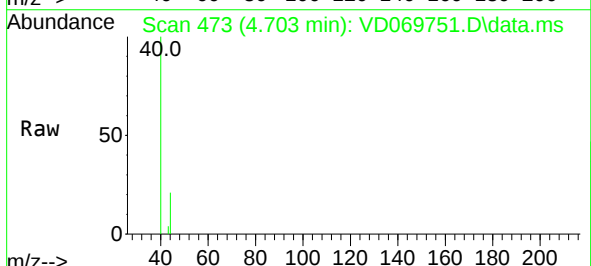
Instrument :
MSVOA_D
ClientSampleId :



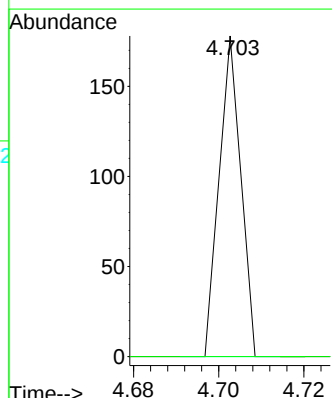
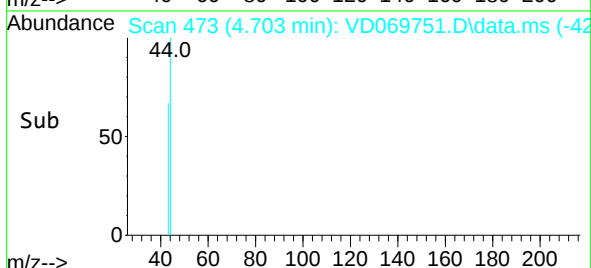
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#

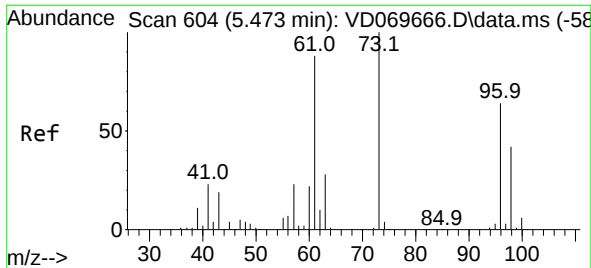


#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.011 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55



Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#

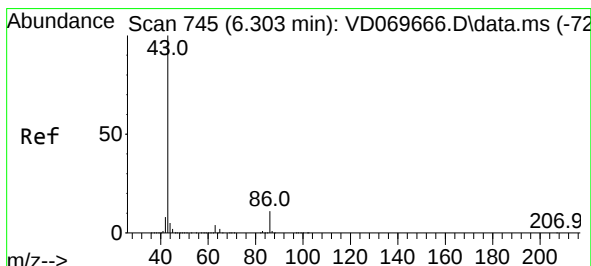
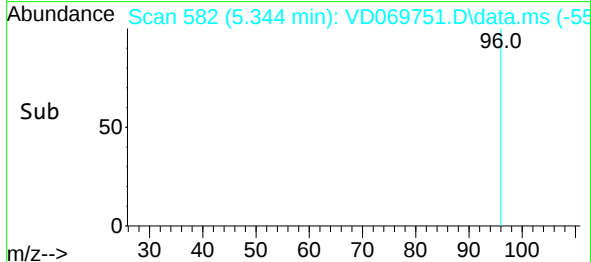
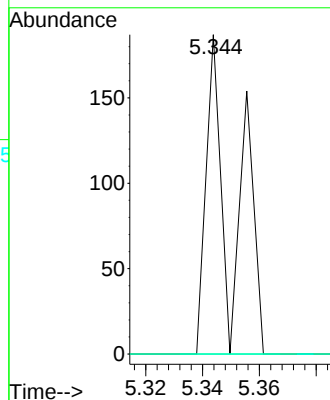
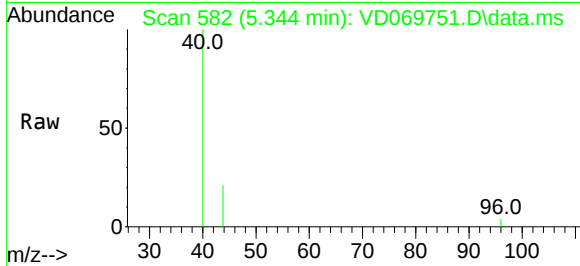




#21
trans-1,2-Dichloroethene
Concen: 1.029 ug/l
RT: 5.344 min Scan# 582
Delta R.T. -0.129 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

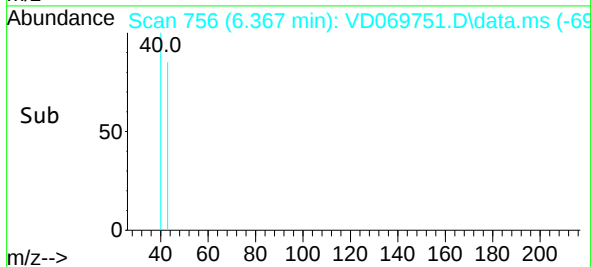
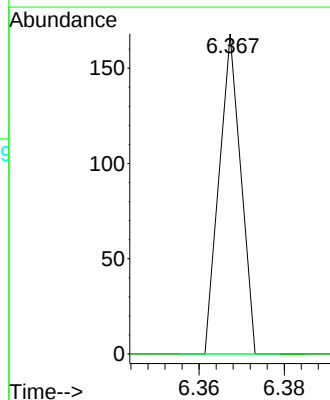
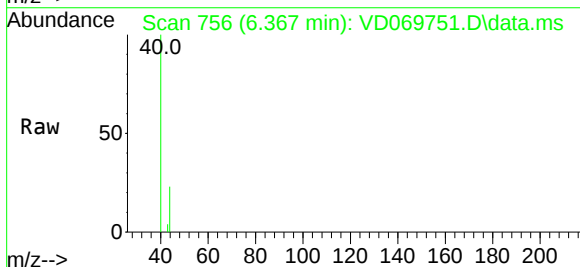
Instrument :
MSVOA_D
ClientSampled :

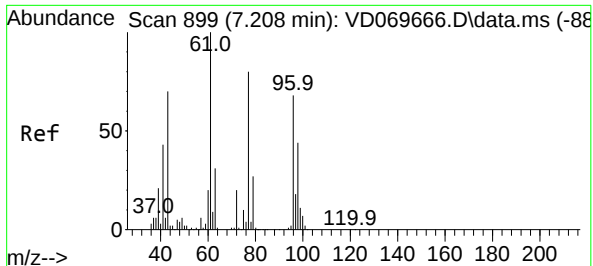
Tgt Ion: 96 Resp: 120
Ion Ratio Lower Upper
96 100
61 0.0 110.9 166.3#
98 0.0 52.2 78.2#



#23
Vinyl Acetate
Concen: 15.740 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.064 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#

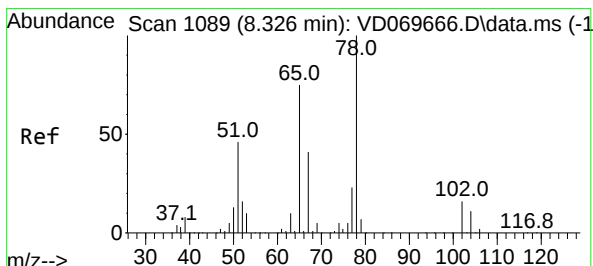
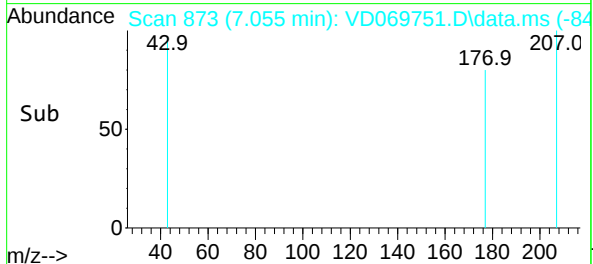
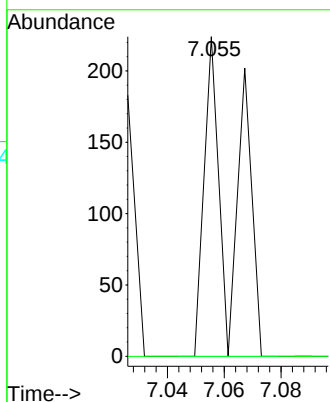
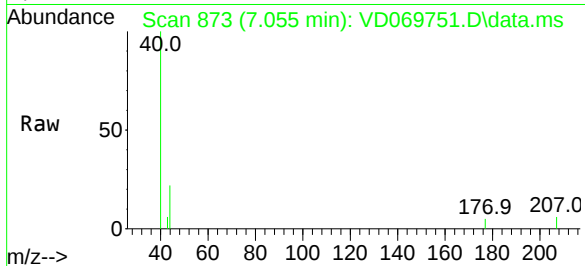




#25
2-Butanone
Concen: 5.677 ug/l
RT: 7.055 min Scan# 873
Delta R.T. -0.153 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

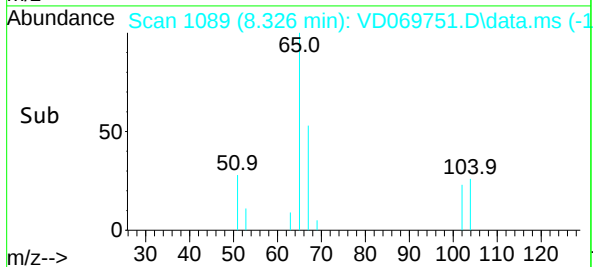
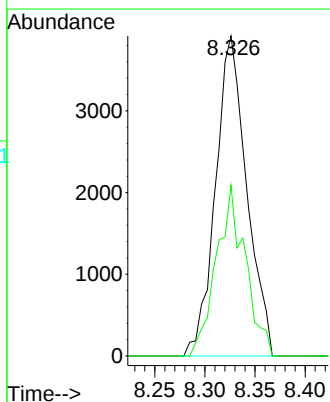
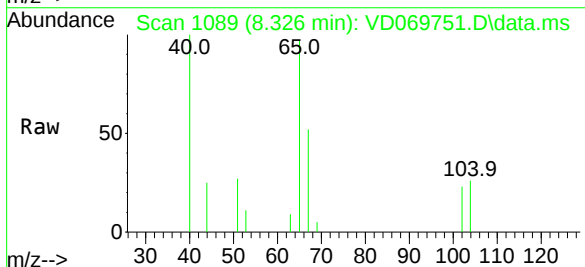
Instrument :
MSVOA_D
ClientSampleId :

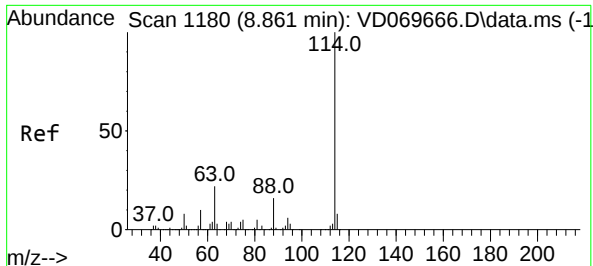
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
72 0.0 22.6 33.8#



#33
1,2-Dichloroethane-d4
Concen: 75.929 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion: 65 Resp: 8489
Ion Ratio Lower Upper
65 100
67 49.4 0.0 107.2



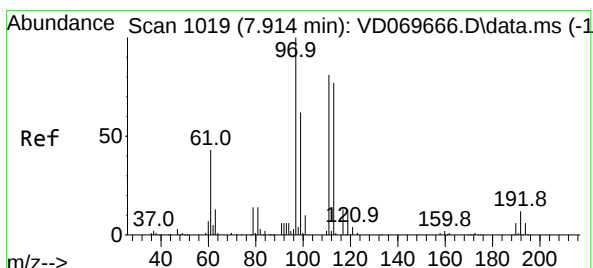
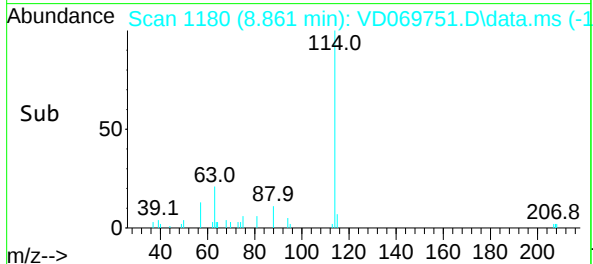
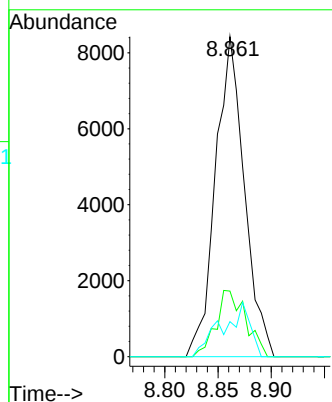
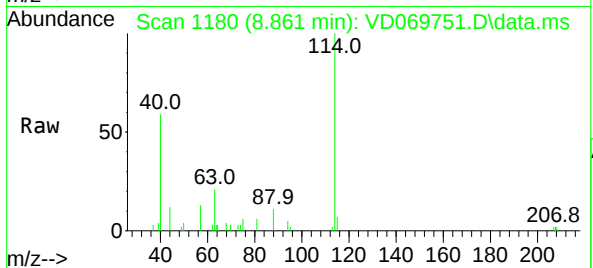


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Instrument :
MSVOA_D
ClientSampleId :

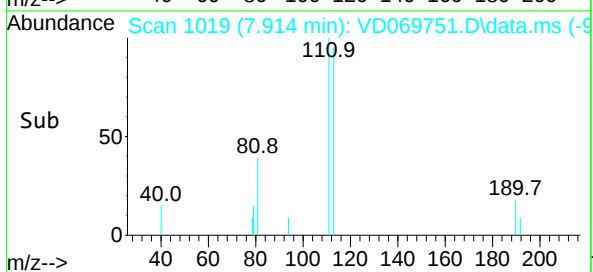
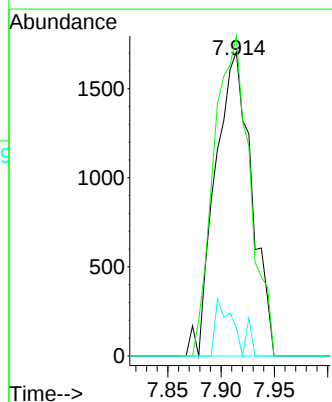
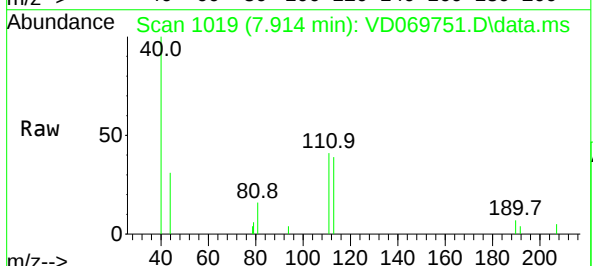
Tgt Ion:	114	Resp:	15886
Ion Ratio	Lower	Upper	
114	100		
63	23.1	0.0	43.4
88	11.0	0.0	32.0

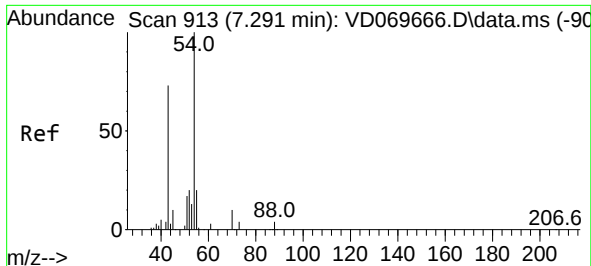


#35

Dibromofluoromethane
Concen: 37.804 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion:	113	Resp:	4029
Ion Ratio	Lower	Upper	
113	100		
111	104.4	82.6	123.8
192	8.2	12.7	19.1#





#37

Ethyl Acetate

Concen: 2.420 ug/l

RT: 7.055 min Scan# 873

Delta R.T. -0.236 min

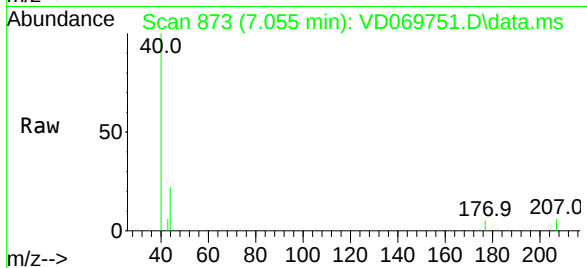
Lab File: VD069751.D

Acq: 19 Jul 2021 14:55

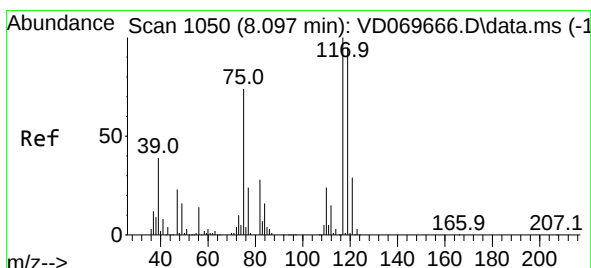
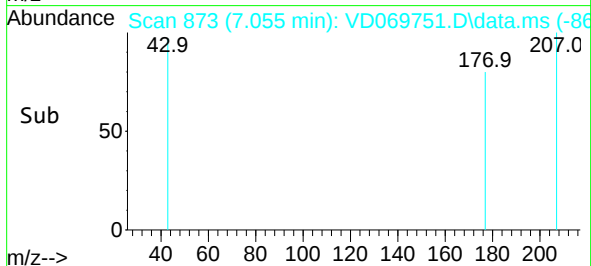
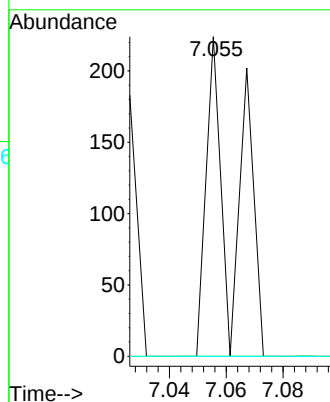
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	43	Resp:	150
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	0.0	8.4	12.6#



#38

Carbon Tetrachloride

Concen: 5.171 ug/l

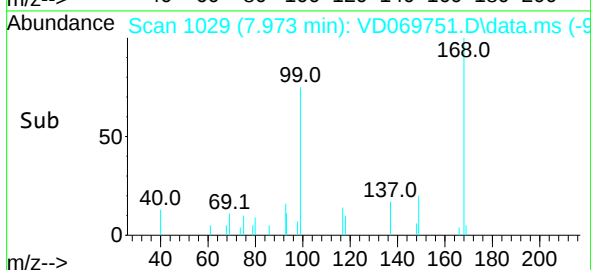
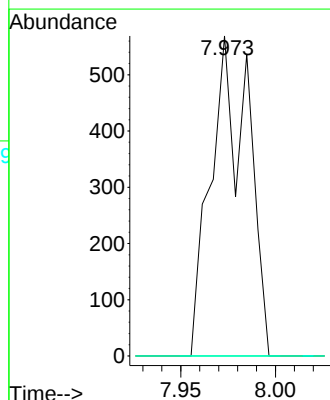
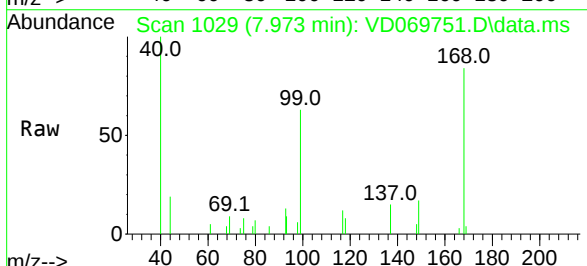
RT: 7.973 min Scan# 1029

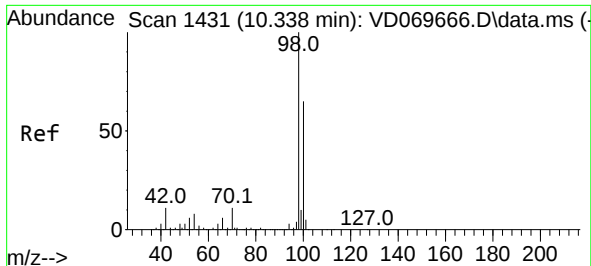
Delta R.T. -0.124 min

Lab File: VD069751.D

Acq: 19 Jul 2021 14:55

Tgt Ion:	117	Resp:	776
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.7	113.5#
121	0.0	23.0	34.6#

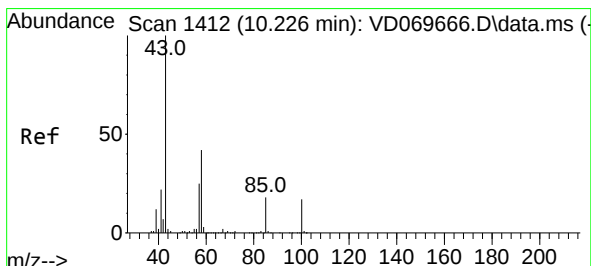
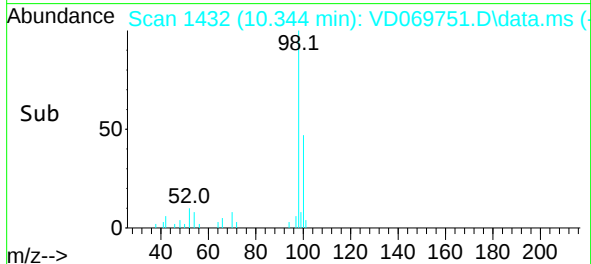
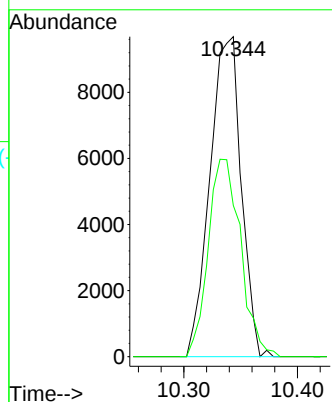
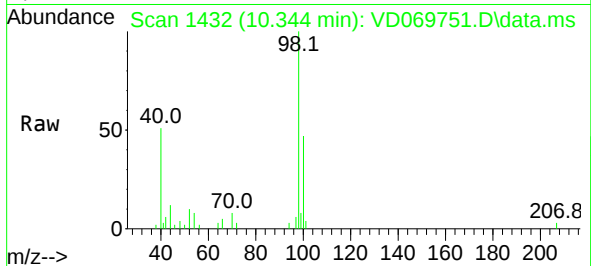




#50
Toluene-d8
Concen: 44.806 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

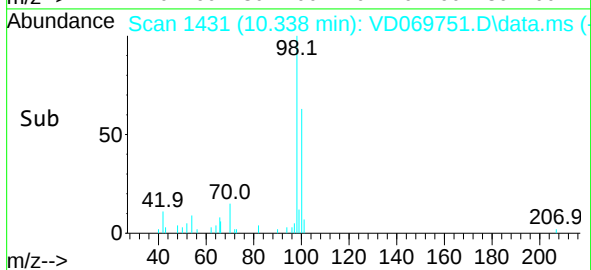
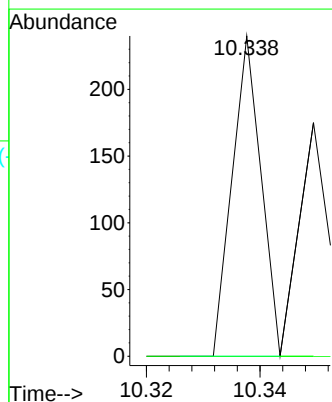
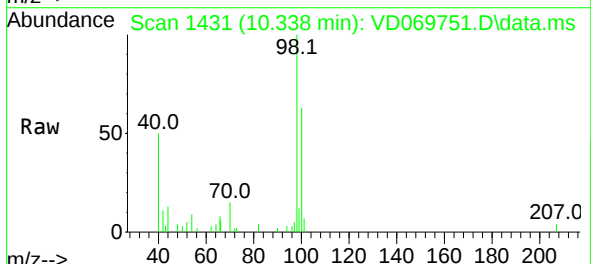
Instrument :
MSVOA_D
ClientSampled :

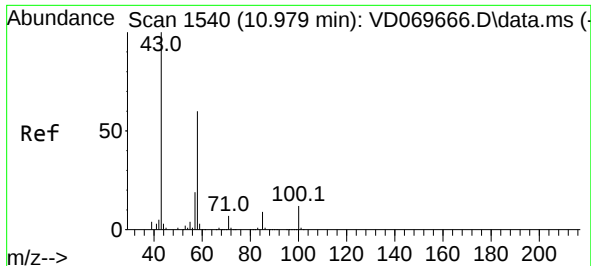
Tgt Ion: 98 Resp: 18552
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.446 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion: 43 Resp: 85
Ion Ratio Lower Upper
43 100
58 0.0 33.5 50.3#

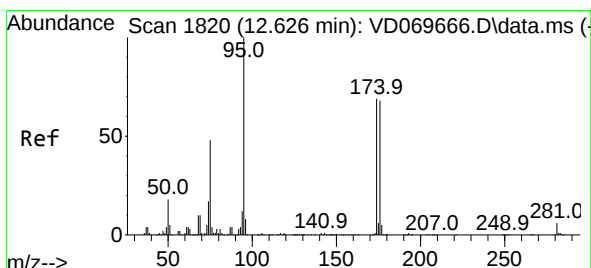
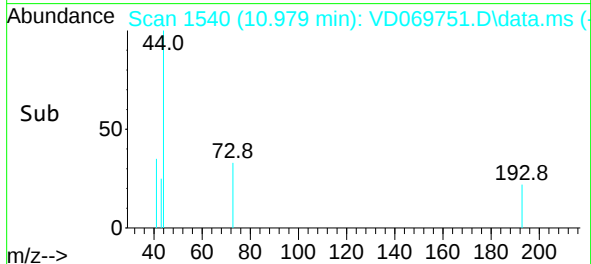
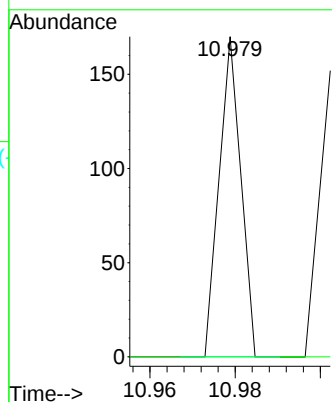
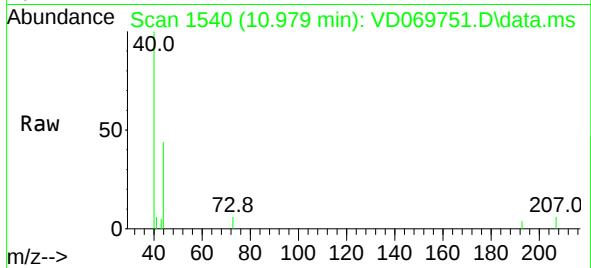




#59
2-Hexanone
Concen: 1.531 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

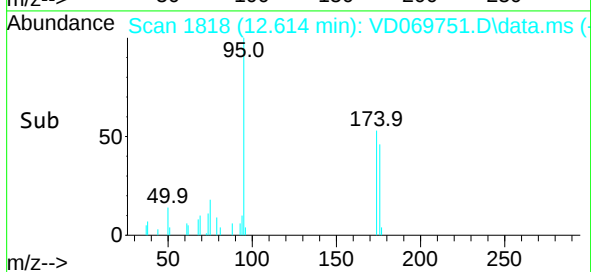
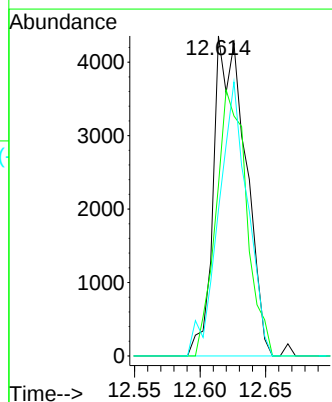
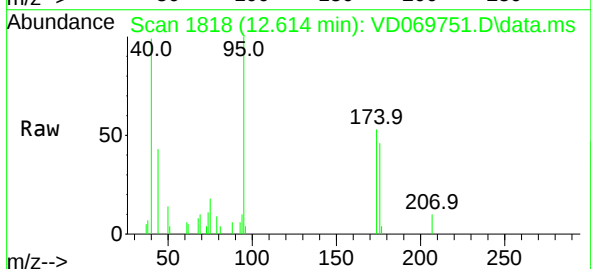
Instrument :
MSVOA_D
ClientSampled :

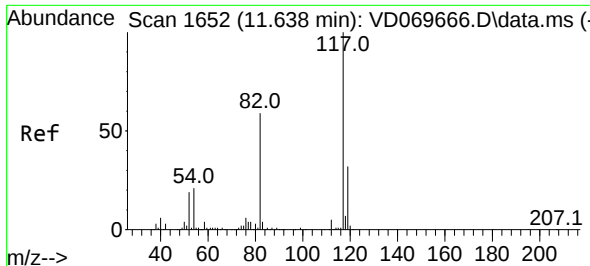
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 53.502 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.012 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion: 95 Resp: 7388
Ion Ratio Lower Upper
95 100
174 79.6 0.0 140.0
176 77.9 0.0 136.2

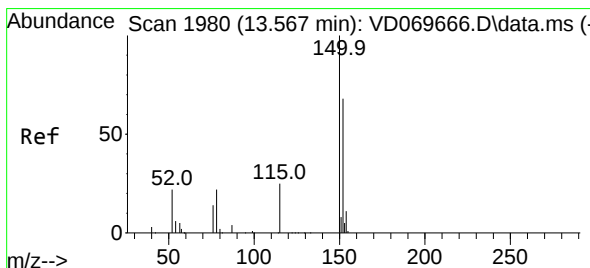
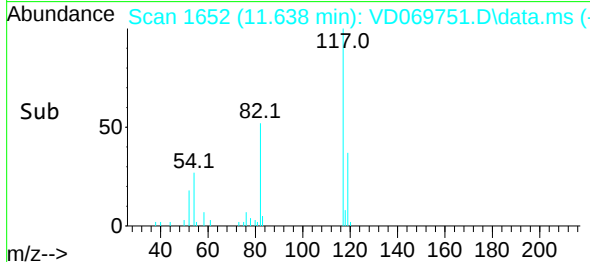
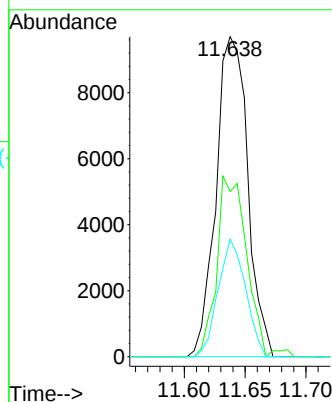
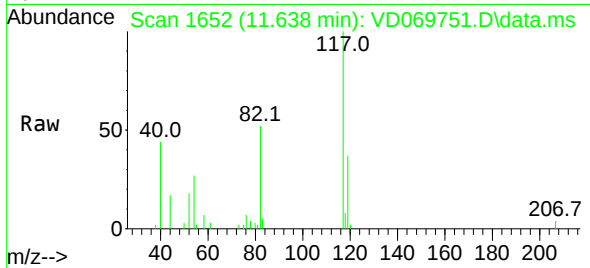




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

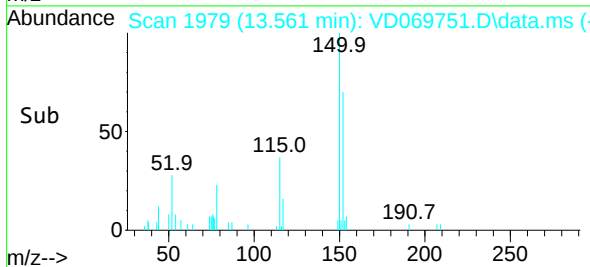
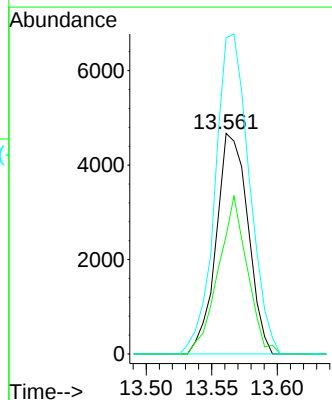
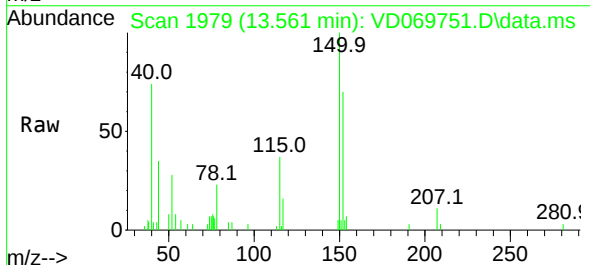
Instrument :
MSVOA_D
ClientSampleId :

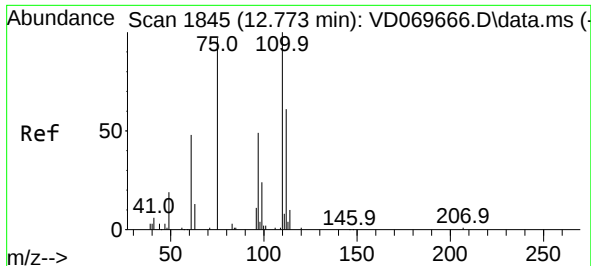
Tgt Ion:	117	Resp:	17544
Ion	Ratio	Lower	Upper
117	100		
82	51.7	47.4	71.2
119	36.7	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion:	152	Resp:	7857
Ion	Ratio	Lower	Upper
152	100		
115	65.3	31.7	95.1
150	156.1	0.0	350.4

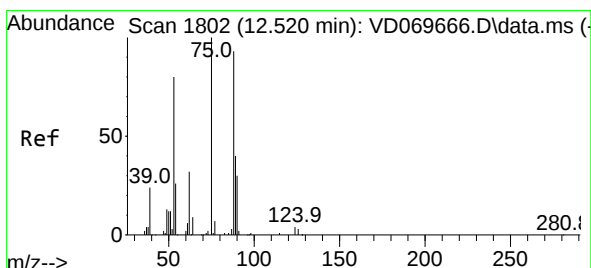
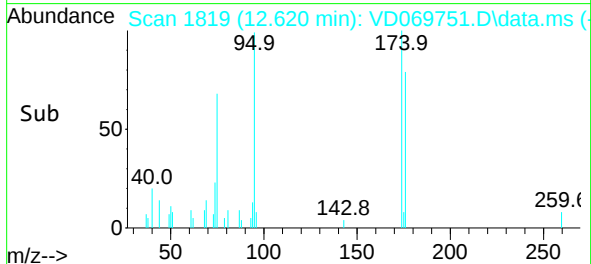
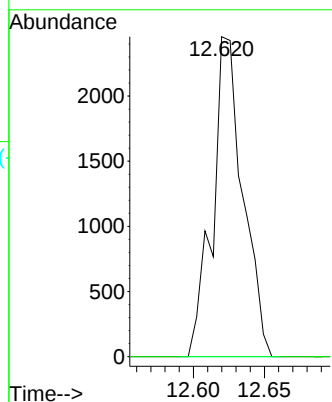
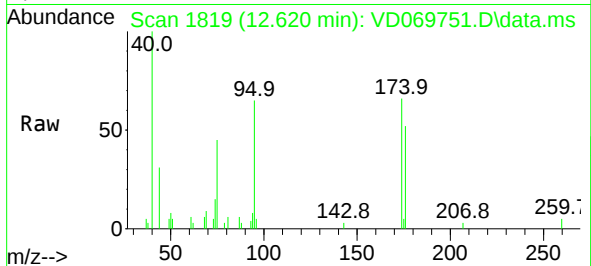




#76
1,2,3-Trichloropropane
Concen: 47.689 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

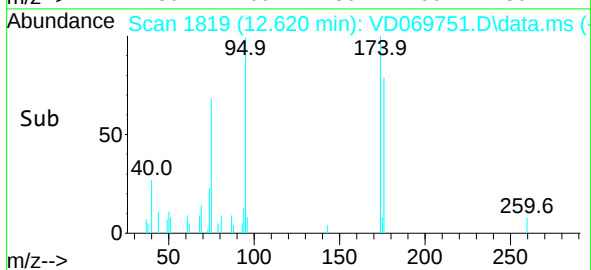
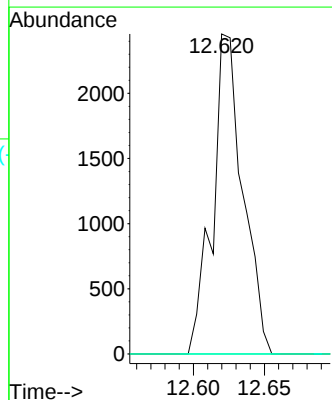
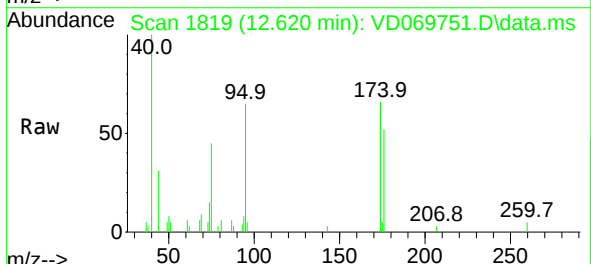
Instrument :
MSVOA_D
ClientSampleId :

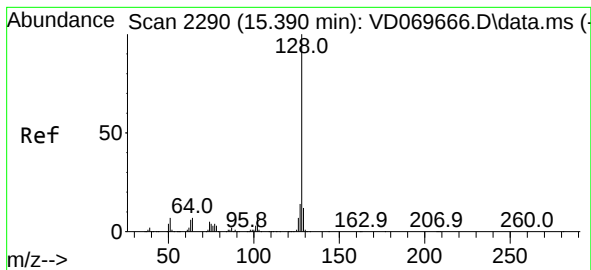
Tgt Ion: 75 Resp: 3640
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 128.161 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Tgt Ion: 75 Resp: 3640
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#





#95
Naphthalene
Concen: 2.620 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.006 min
Lab File: VD069751.D
Acq: 19 Jul 2021 14:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 108
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

