

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071921\
 Data File : VD069744.D
 Acq On : 19 Jul 2021 11:35
 Operator : VA/SY
 Sample : M3031-01
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 20 02:10:35 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)

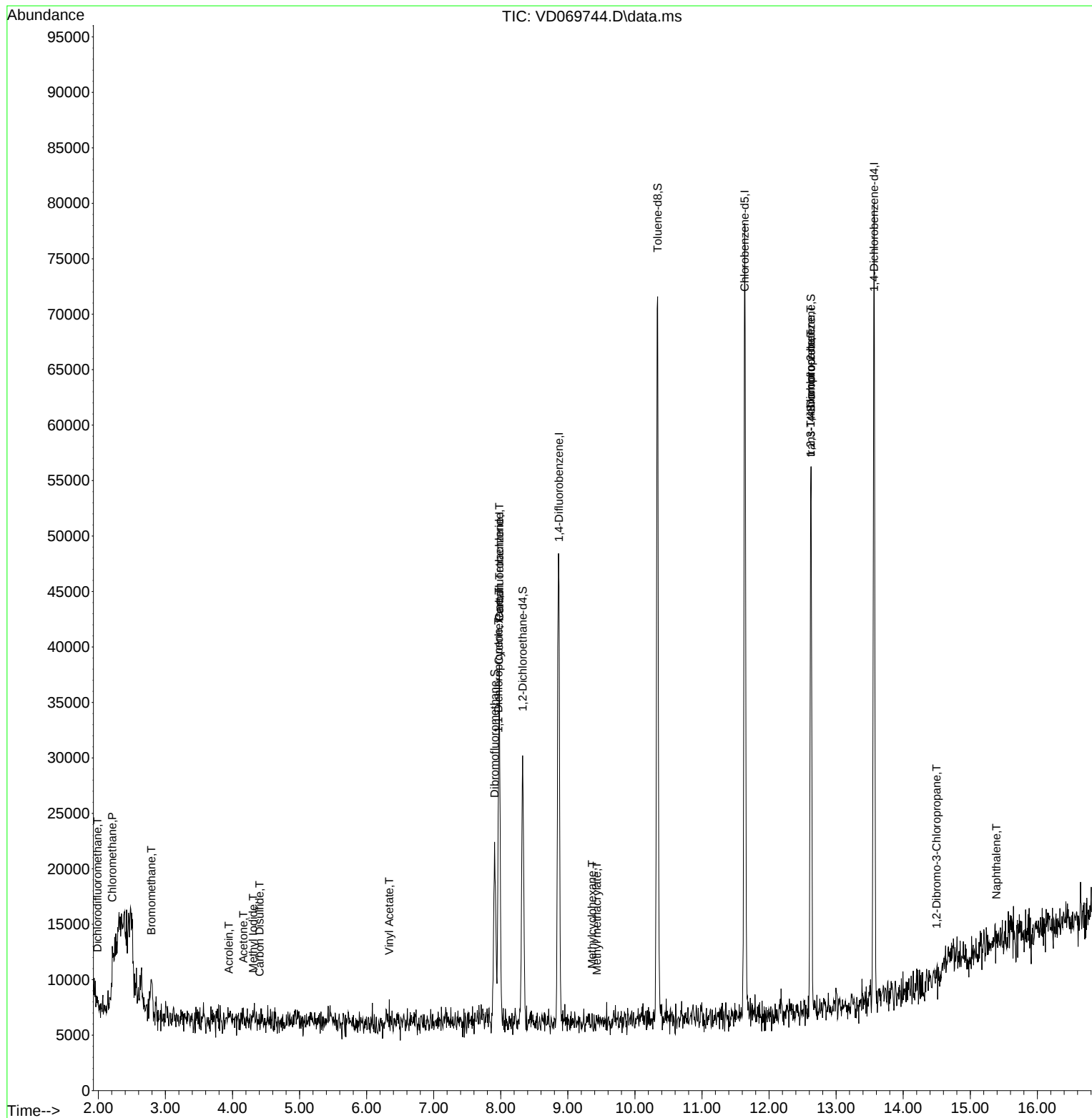
Internal Standards						
1) Pentafluorobenzene	7.979	168	21199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	35722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	42083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	18015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	18511	69.933	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.860%	
35) Dibromofluoromethane	7.908	113	12374	51.633	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.260%	
50) Toluene-d8	10.338	98	46394	49.830	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	12.626	95	16568	53.357	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.720%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	86	1.003	ug/l #	41
3) Chloromethane	2.209	50	1097	3.395	ug/l #	87
5) Bromomethane	2.791	94	2637	11.926	ug/l #	63
10) Methyl Iodide	4.309	142	1384	7.457	ug/l #	91
13) Acrolein	3.944	56	55	3.014	ug/l #	15
16) Acetone	4.162	43	531	21.741	ug/l #	39
17) Carbon Disulfide	4.403	76	495	1.037	ug/l #	74
18) Methyl Acetate	4.709	43	89	Below Cal	#	49
20) Methylene Chloride	4.956	84	180	Below Cal	#	29
23) Vinyl Acetate	6.338	43	71	15.585	ug/l #	72
31) Cyclohexane	7.973	56	537	1.587	ug/l #	62
36) 1,1-Dichloropropene	7.967	75	1912	5.188	ug/l #	42
38) Carbon Tetrachloride	7.979	117	2863	8.484	ug/l #	13
39) Methylcyclohexane	9.361	83	64	2.098	ug/l #	16
48) Methyl methacrylate	9.432	41	82	1.708	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	8382	47.894	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	8382	128.714	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.496	75	139	3.653	ug/l #	8
95) Naphthalene	15.390	128	633	3.267	ug/l #	69

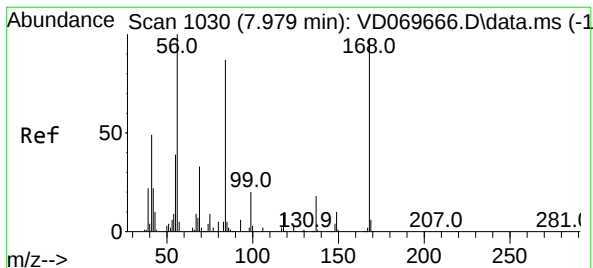
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 20 02:10:35 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

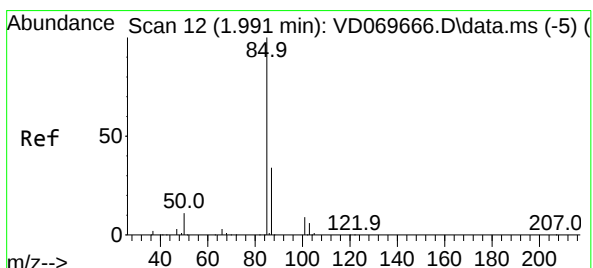
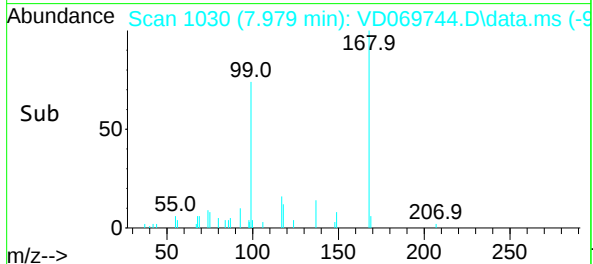
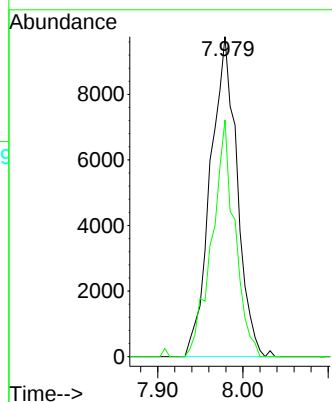
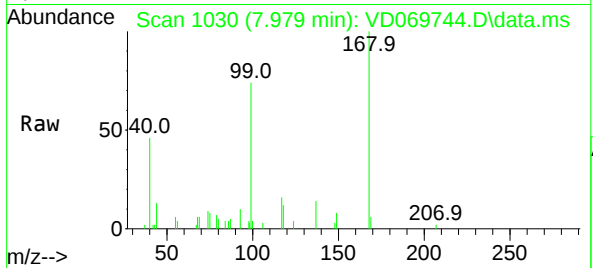




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

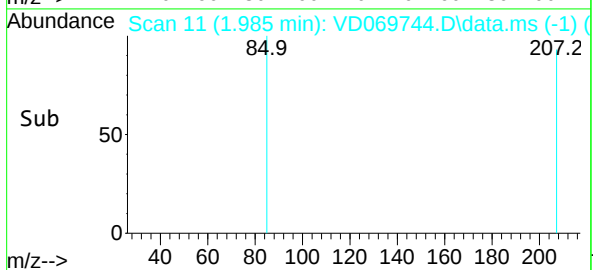
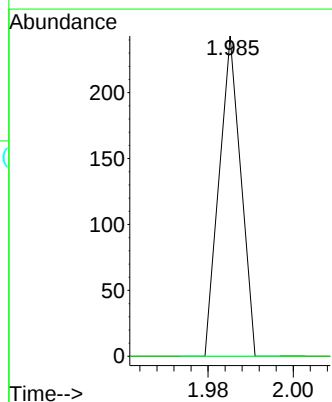
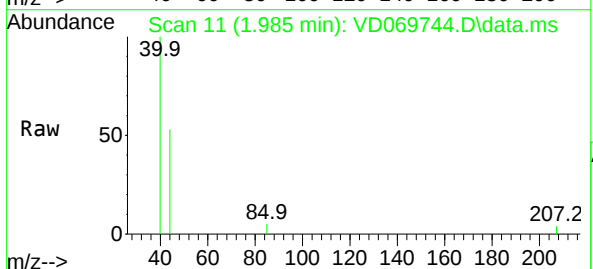
Instrument :
MSVOA_D
ClientSampleId :

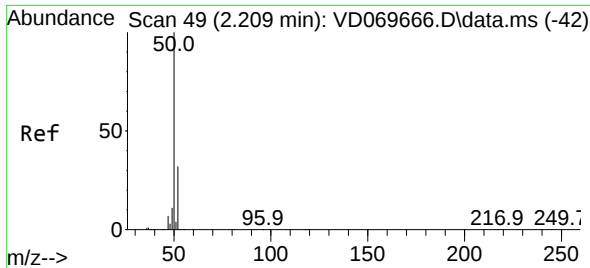
Tgt Ion:168 Resp: 21199
Ion Ratio Lower Upper
168 100
99 73.9 51.8 77.6



#2
Dichlorodifluoromethane
Concen: 1.003 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Tgt Ion: 85 Resp: 86
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

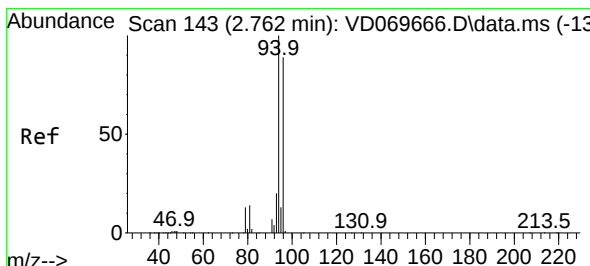
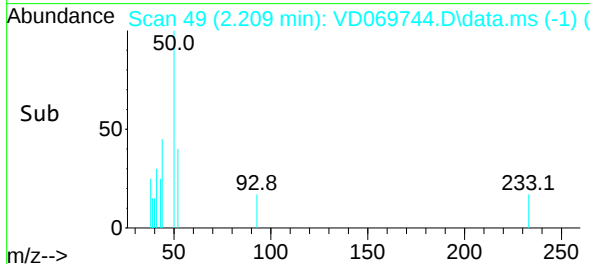
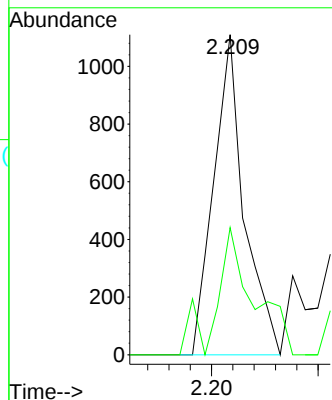
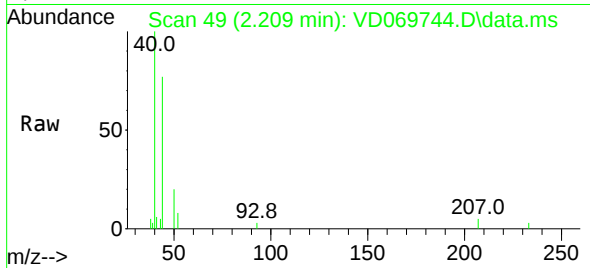




#3
Chloromethane
Concen: 3.395 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

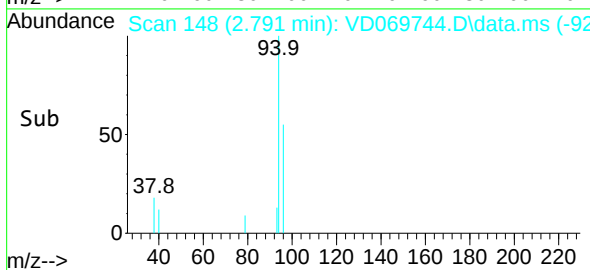
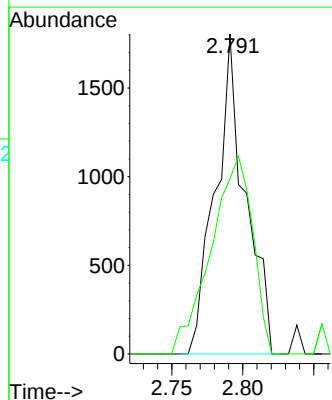
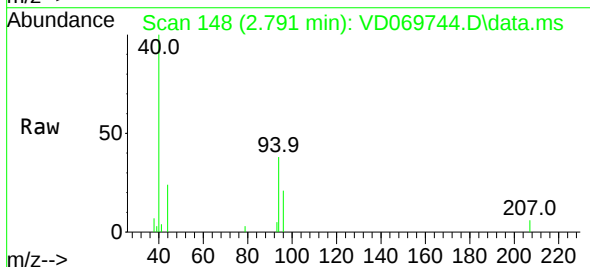
Instrument :
MSVOA_D
ClientSampled :

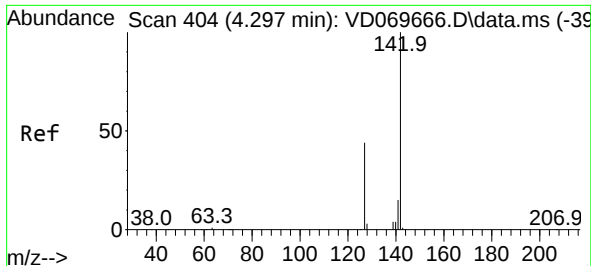
Tgt Ion: 50 Resp: 1097
Ion Ratio Lower Upper
50 100
52 39.7 25.9 38.9#



#5
Bromomethane
Concen: 11.926 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

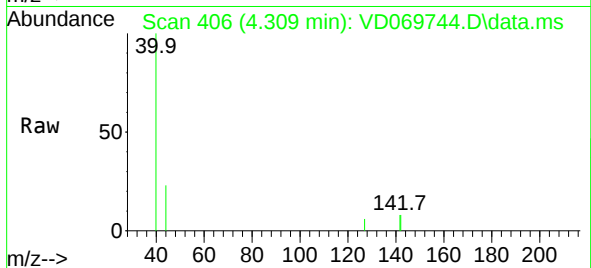
Tgt Ion: 94 Resp: 2637
Ion Ratio Lower Upper
94 100
96 54.7 71.2 106.8#



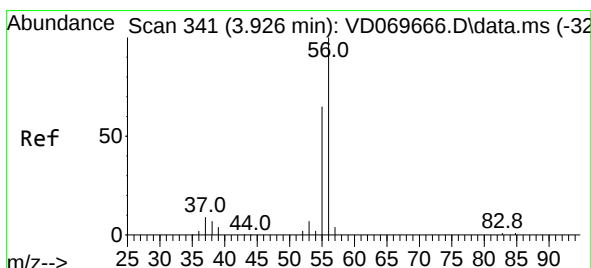
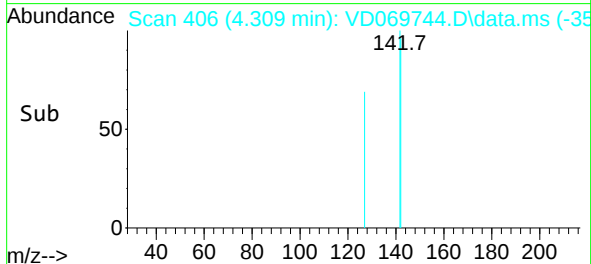
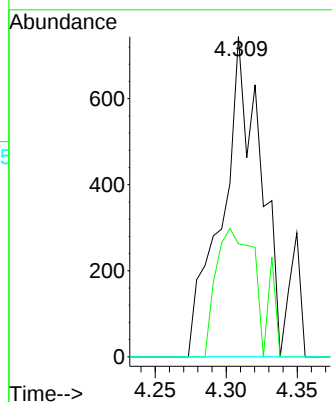


#10
Methyl Iodide
Concen: 7.457 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Instrument :
MSVOA_D
ClientSampled :

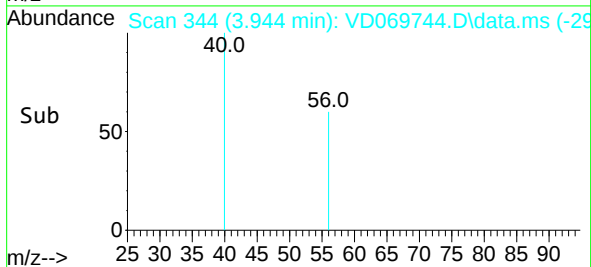
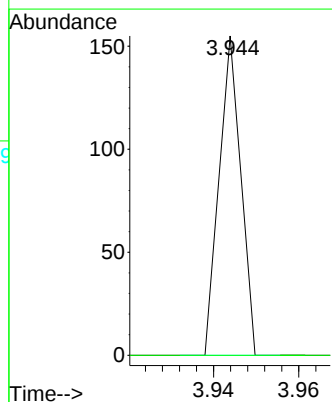
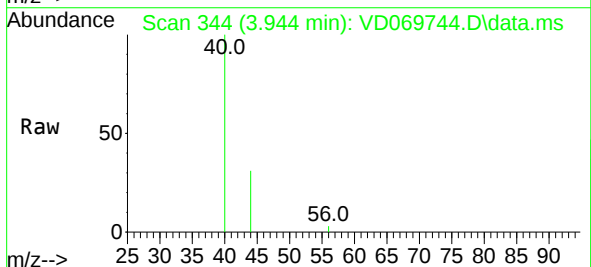


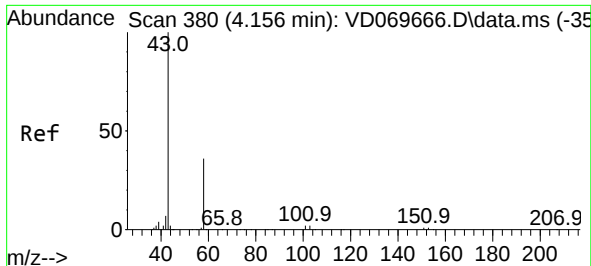
Tgt Ion:142 Resp: 1384
Ion Ratio Lower Upper
142 100
127 44.4 36.1 54.1
141 0.0 11.6 17.4#



#13
Acrolein
Concen: 3.014 ug/l
RT: 3.944 min Scan# 344
Delta R.T. 0.018 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

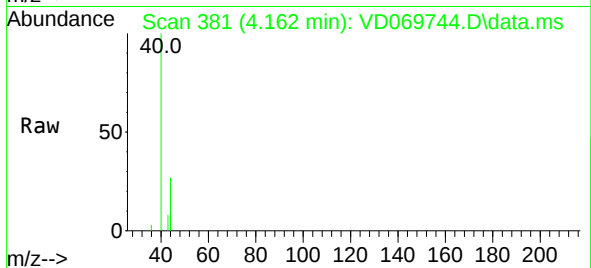
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



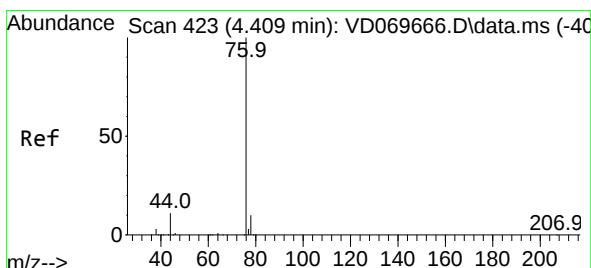
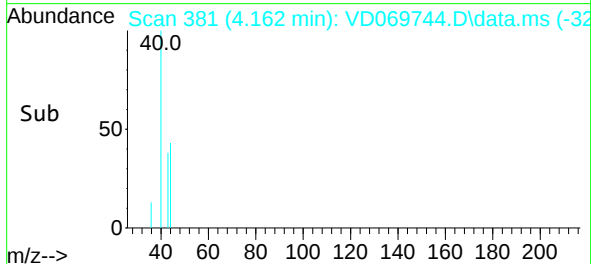
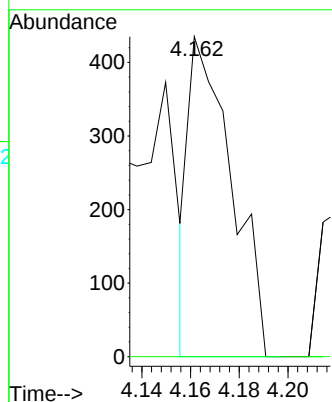


#16
Acetone
Concen: 21.741 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Instrument :
MSVOA_D
ClientSampleId :

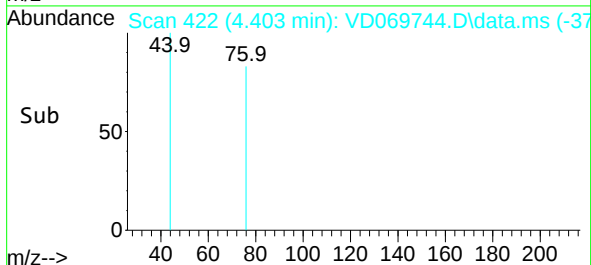
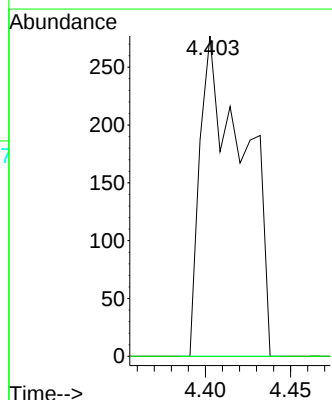
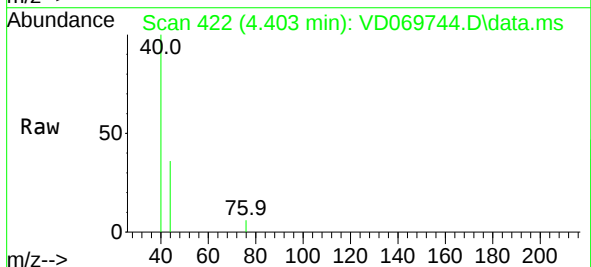


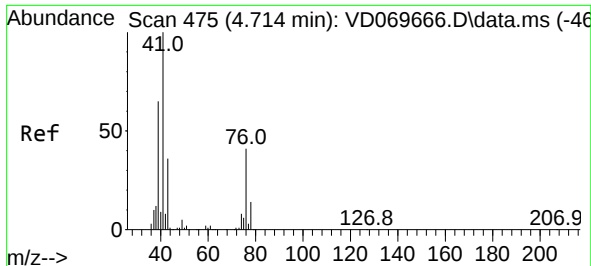
Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
58 0.0 28.6 42.8#



#17
Carbon Disulfide
Concen: 1.037 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

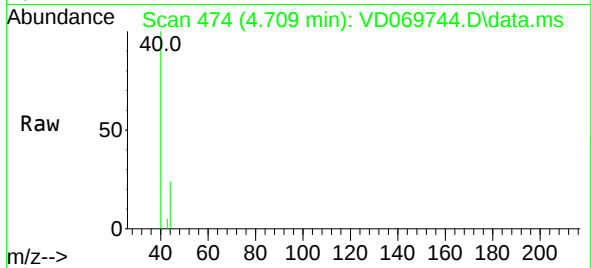
Tgt Ion: 76 Resp: 495
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



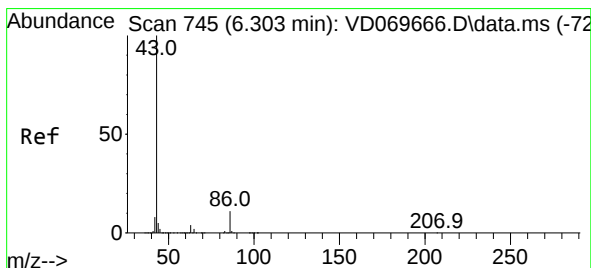
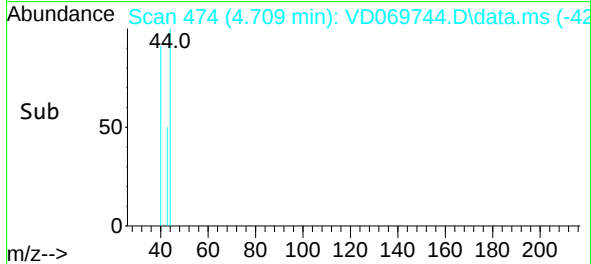
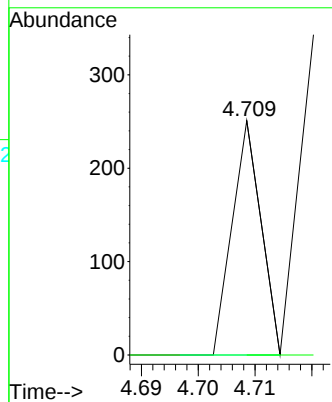


#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Instrument :
MSVOA_D
ClientSampled :

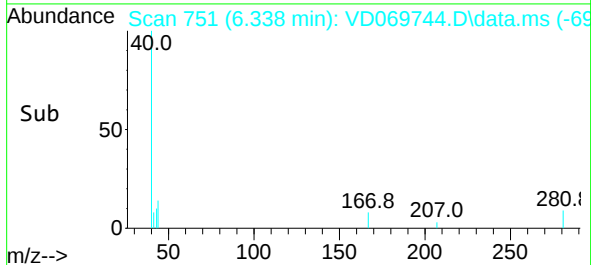
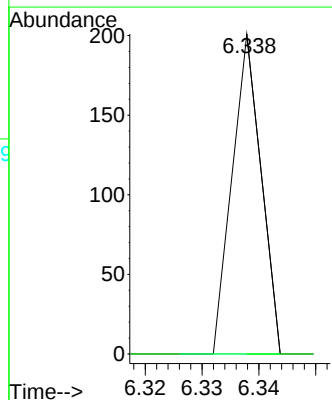
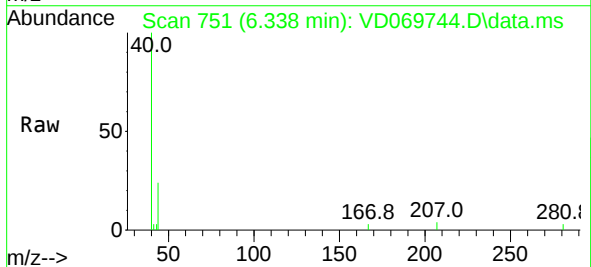


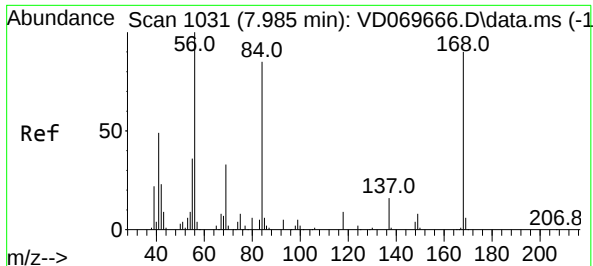
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.585 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.035 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#





#31

Cyclohexane

Concen: 1.587 ug/l

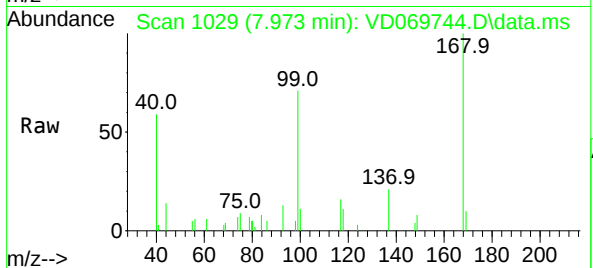
RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

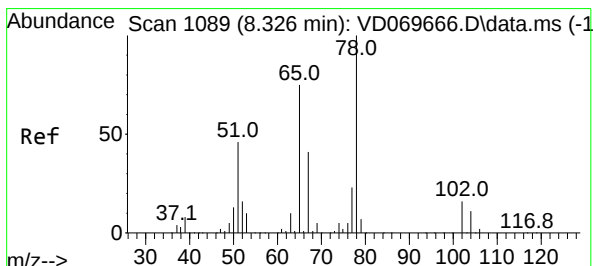
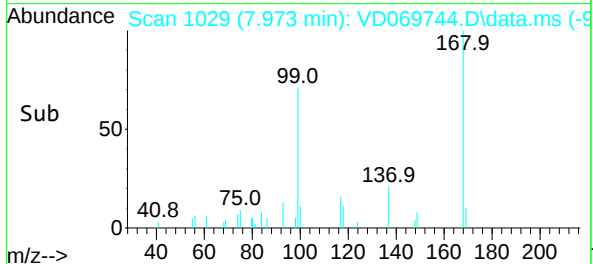
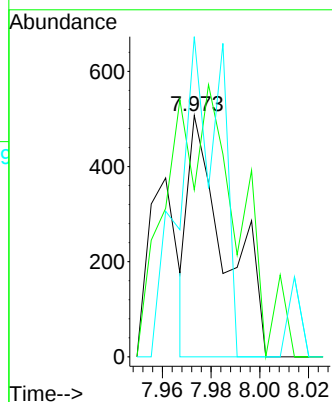
Lab File: VD069744.D

Acq: 19 Jul 2021 11:35

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 56	Resp: 537
Ion Ratio	Lower Upper
56	100
69	35.3 26.6 39.8
84	132.7 68.2 102.2#



#33

1,2-Dichloroethane-d4

Concen: 69.933 ug/l

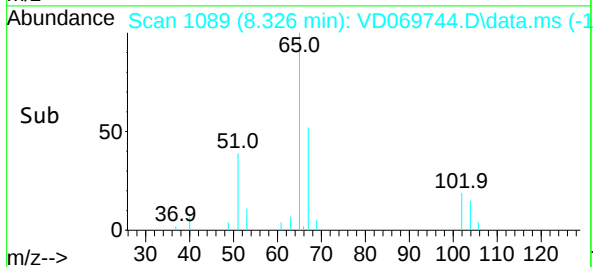
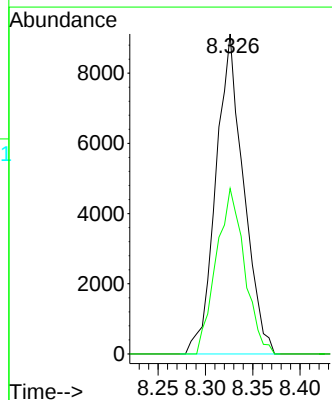
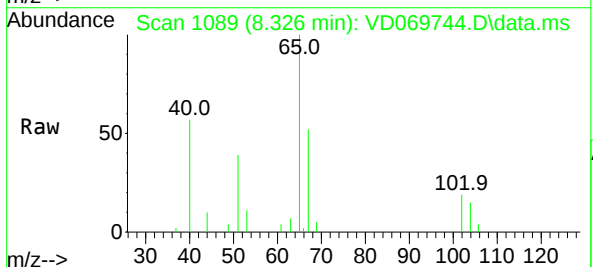
RT: 8.326 min Scan# 1089

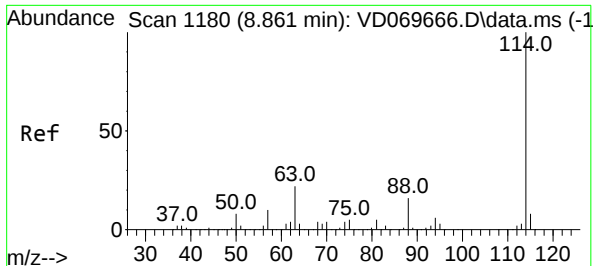
Delta R.T. -0.000 min

Lab File: VD069744.D

Acq: 19 Jul 2021 11:35

Tgt Ion: 65	Resp: 18511
Ion Ratio	Lower Upper
65	100
67	53.0 0.0 107.2

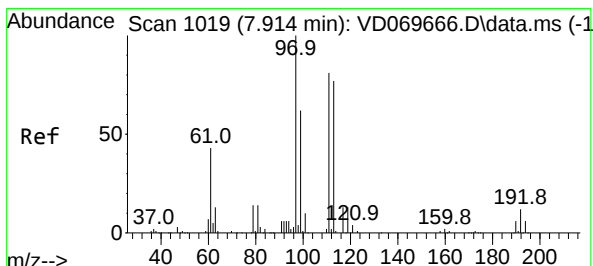
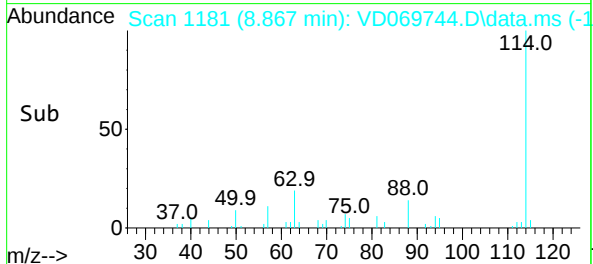
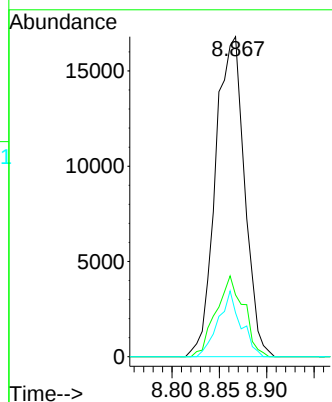
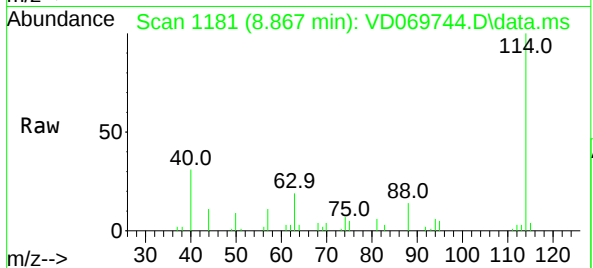




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

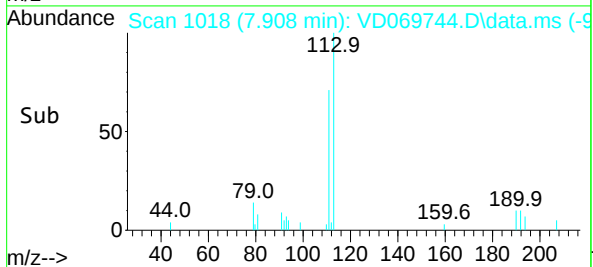
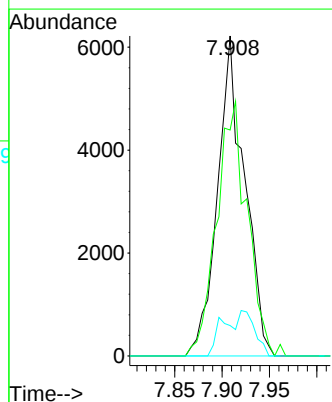
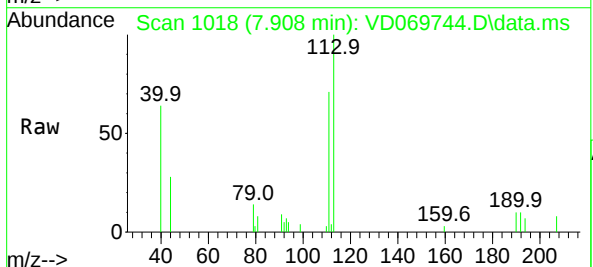
Instrument :
MSVOA_D
ClientSampled :

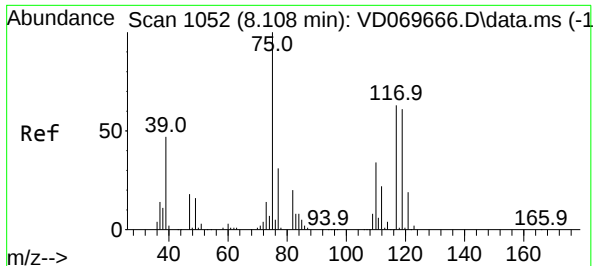
Tgt Ion:114 Resp: 35722
Ion Ratio Lower Upper
114 100
63 19.3 0.0 43.4
88 13.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.633 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Tgt Ion:113 Resp: 12374
Ion Ratio Lower Upper
113 100
111 90.1 82.6 123.8
192 8.4 12.7 19.1#

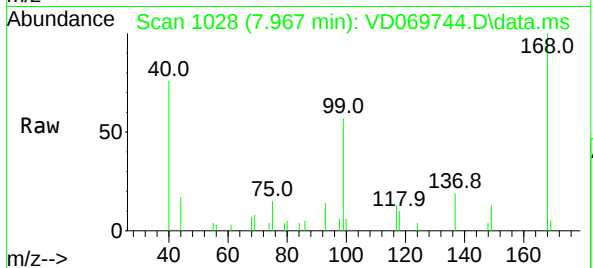




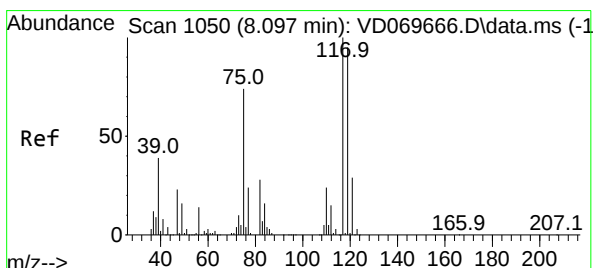
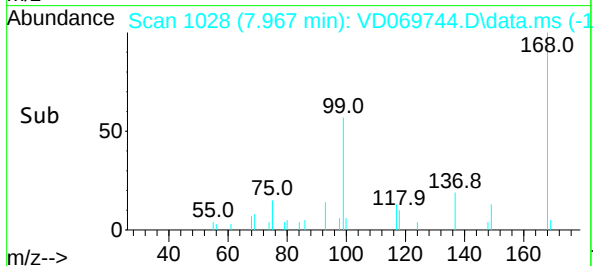
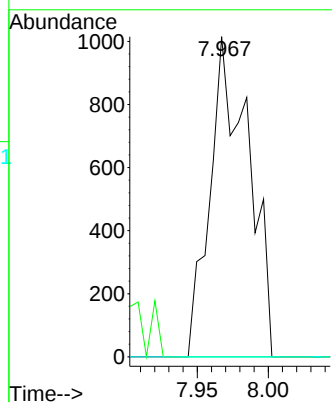
#36

1,1-Dichloropropene
Concen: 5.188 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Instrument :
MSVOA_D
ClientSampled :

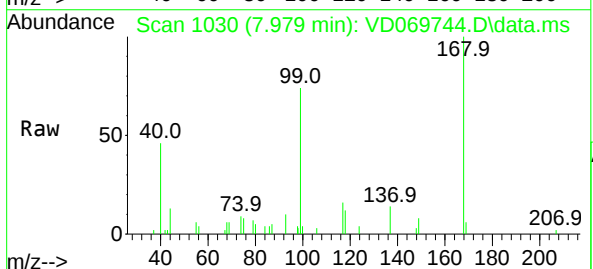


Tgt Ion: 75	Resp: 1912
Ion Ratio	Lower Upper
75 100	
110 0.0	16.7 50.0#
77 0.0	25.3 37.9#

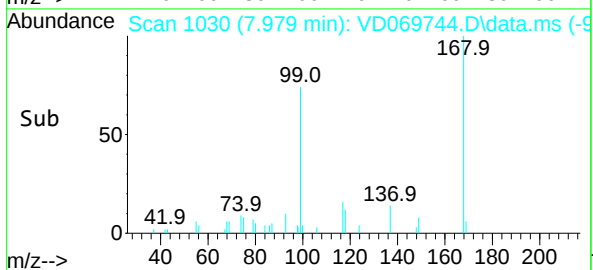
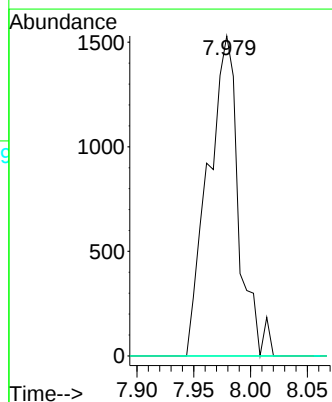


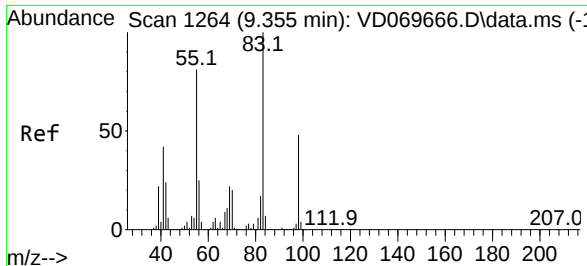
#38

Carbon Tetrachloride
Concen: 8.484 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35



Tgt Ion: 117	Resp: 2863
Ion Ratio	Lower Upper
117 100	
119 0.0	75.7 113.5#
121 0.0	23.0 34.6#





#39

Methylcyclohexane

Concen: 2.098 ug/l

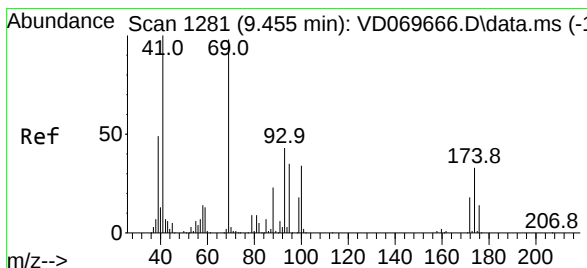
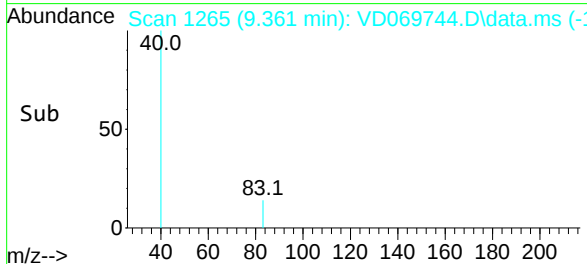
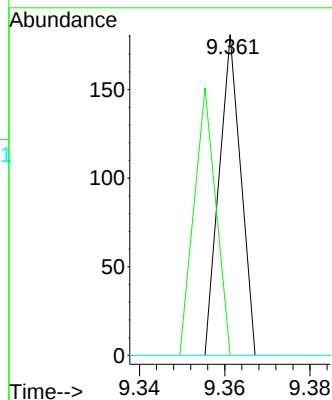
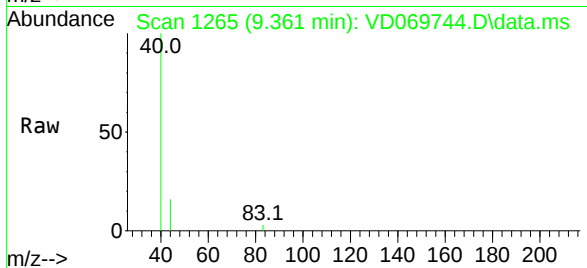
RT: 9.361 min Scan# 1265

Delta R.T. 0.006 min

Lab File: VD069744.D

Acq: 19 Jul 2021 11:35

Tgt Ion: 83	Resp: 64
Ion Ratio	Lower Upper
83 100	
55 0.0	64.6 97.0#
98 0.0	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.708 ug/l

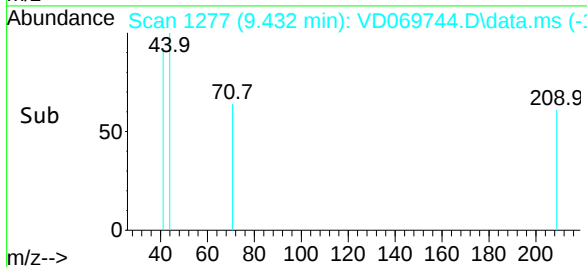
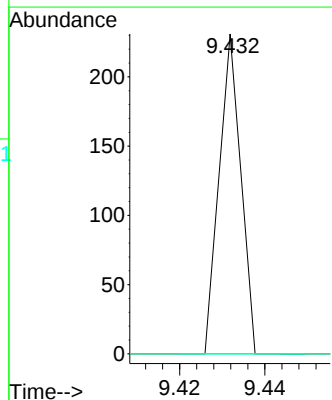
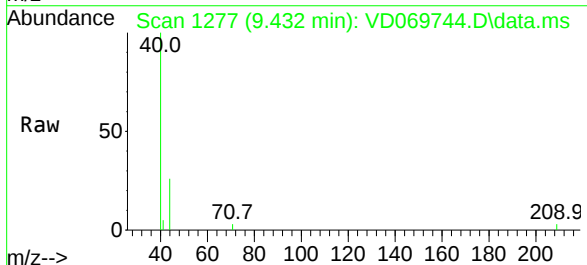
RT: 9.432 min Scan# 1277

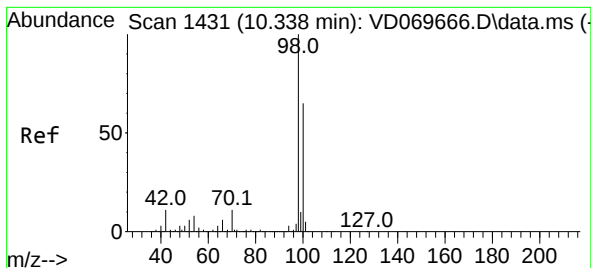
Delta R.T. -0.023 min

Lab File: VD069744.D

Acq: 19 Jul 2021 11:35

Tgt Ion: 41	Resp: 82
Ion Ratio	Lower Upper
41 100	
69 0.0	71.6 107.4#
39 0.0	36.7 55.1#

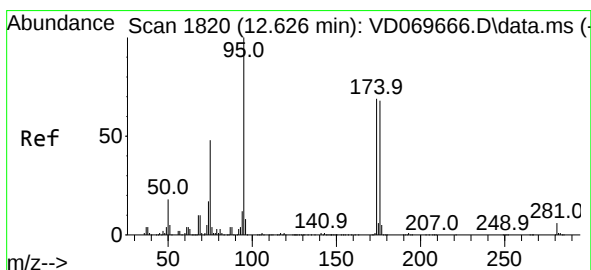
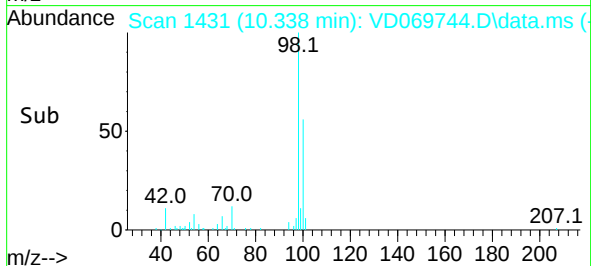
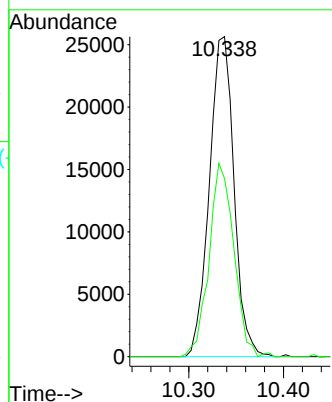
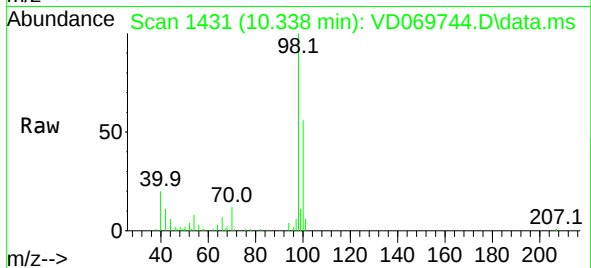




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

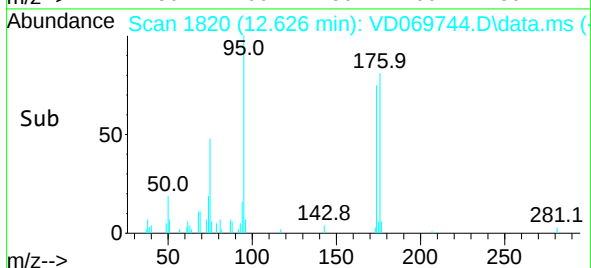
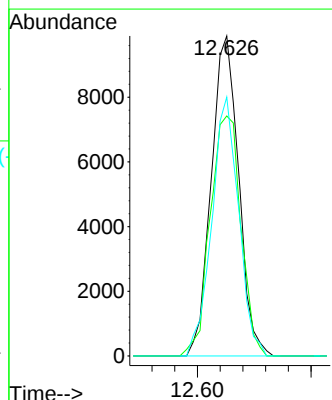
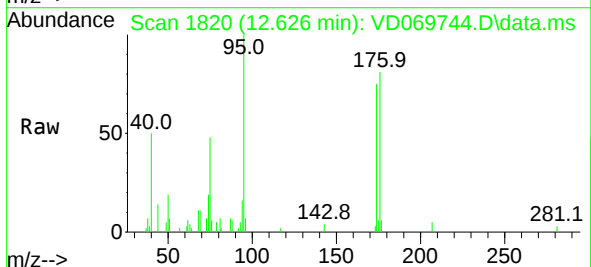
Instrument :
MSVOA_D
ClientSampled :

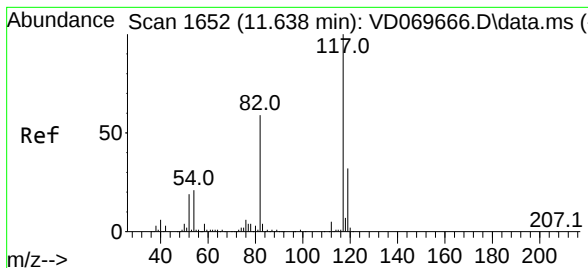
Tgt Ion: 98 Resp: 46394
Ion Ratio Lower Upper
98 100
100 60.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 53.357 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Tgt Ion: 95 Resp: 16568
Ion Ratio Lower Upper
95 100
174 84.0 0.0 140.0
176 79.2 0.0 136.2

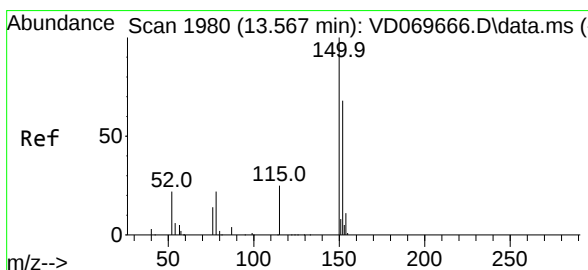
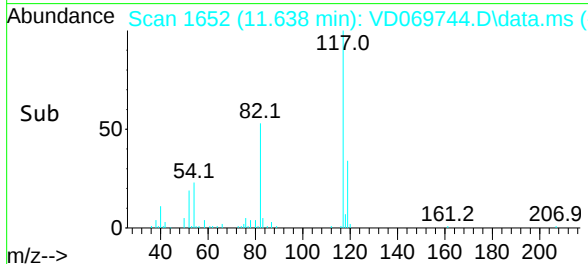
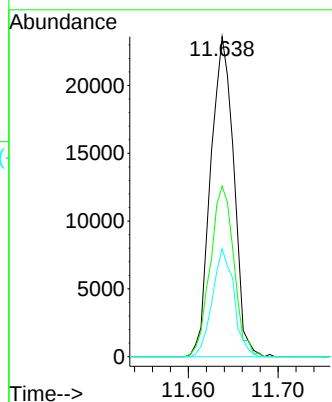
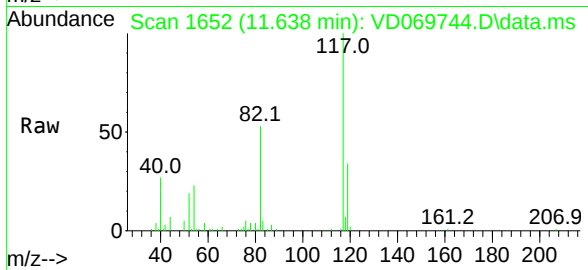




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

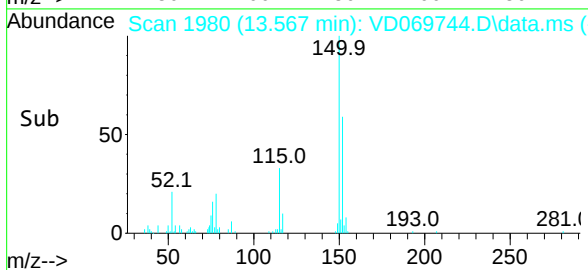
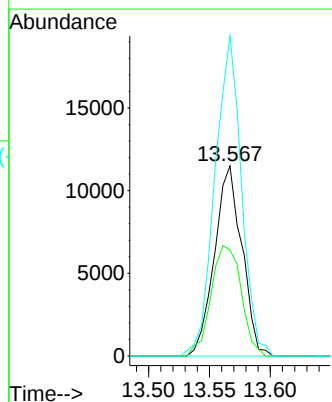
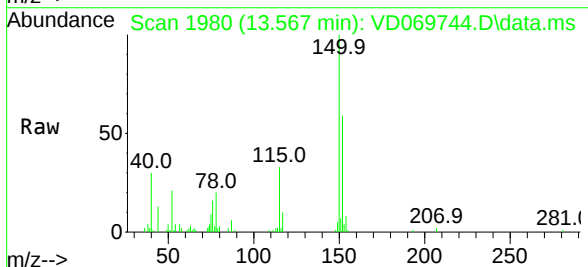
Instrument :
MSVOA_D
ClientSampleId :

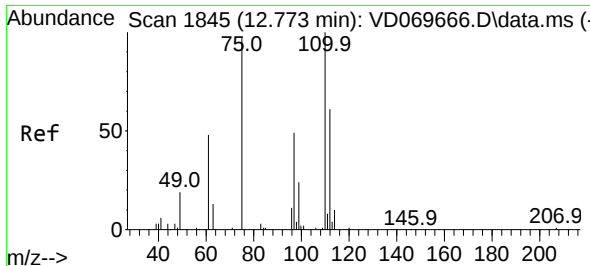
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	47.4	71.2
119	33.8	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

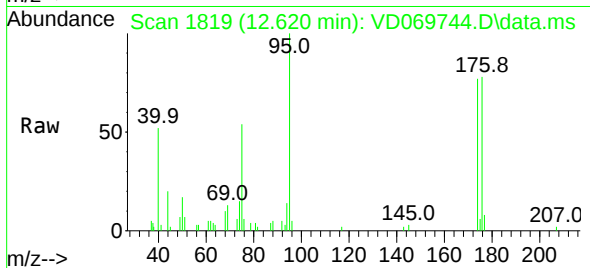
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.7	95.1
150	162.6	0.0	350.4



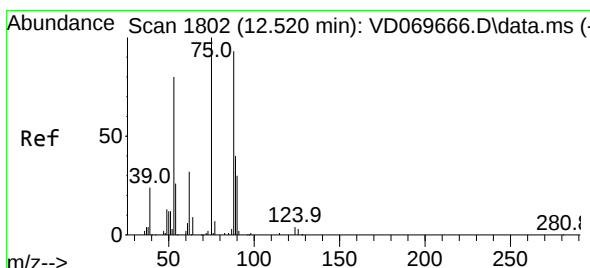
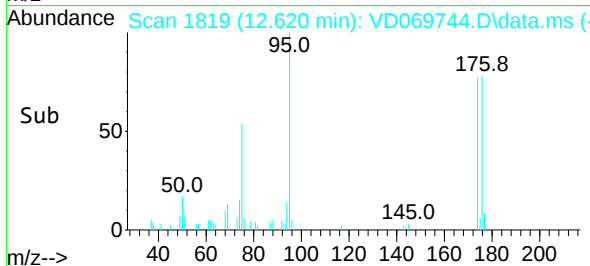
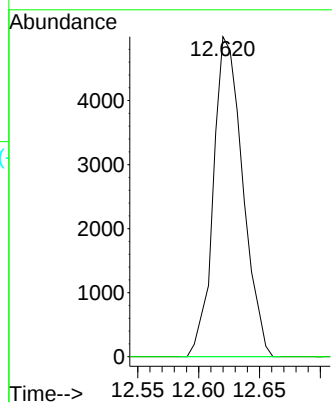


#76
1,2,3-Trichloropropane
Concen: 47.894 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Instrument :
MSVOA_D
ClientSampleId :

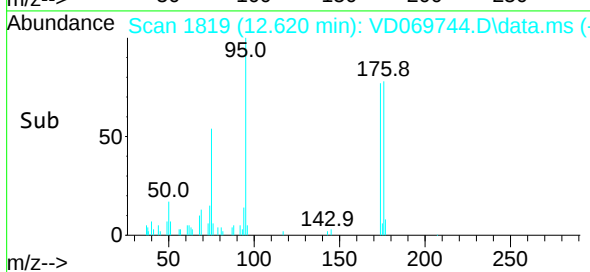
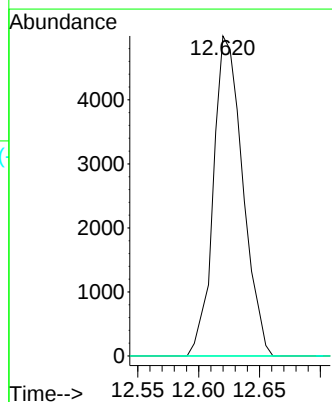
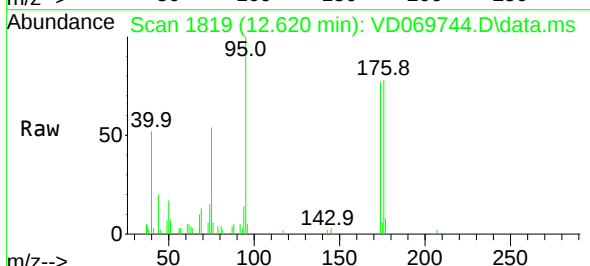


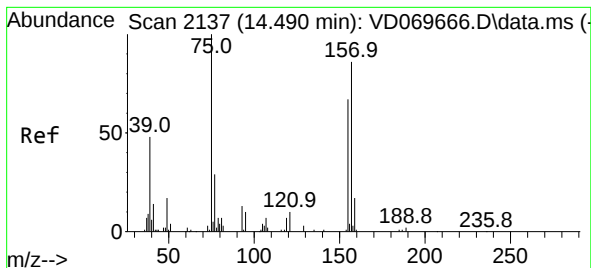
Tgt Ion: 75 Resp: 8382
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 128.714 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Tgt Ion: 75 Resp: 8382
Ion Ratio Lower Upper
75 100
53 0.0 70.6 106.0#
89 0.0 35.1 52.7#

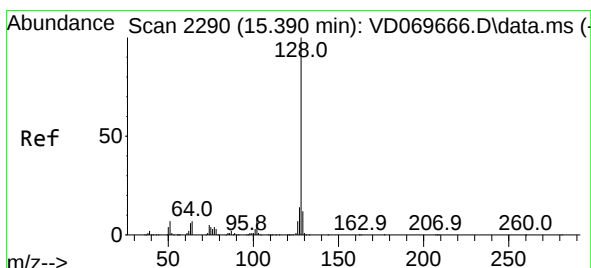
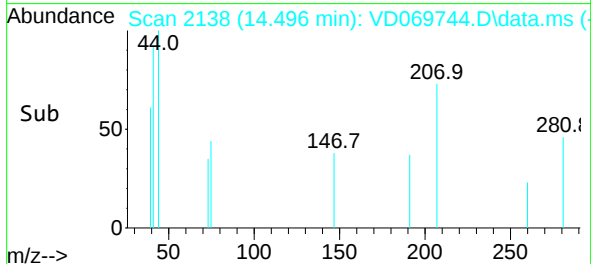
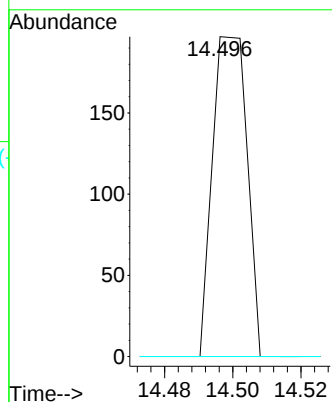
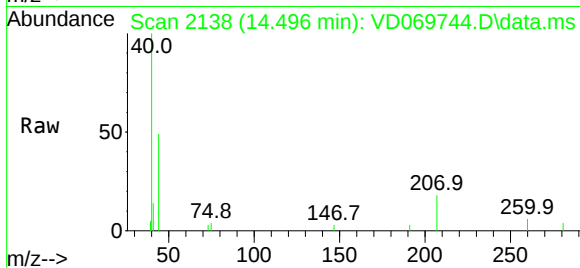




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.653 ug/l
RT: 14.496 min Scan# 2138
Delta R.T. 0.006 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 139
Ion Ratio Lower Upper
75 100
155 0.0 35.9 107.7#
157 0.0 45.6 136.9#



#95
Naphthalene
Concen: 3.267 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069744.D
Acq: 19 Jul 2021 11:35

Tgt Ion:128 Resp: 633
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

