

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070033.D
 Acq On : 11 Aug 2021 19:54
 Operator : VA/SY
 Sample : M3331-08
 Misc : 4.82G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:32:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

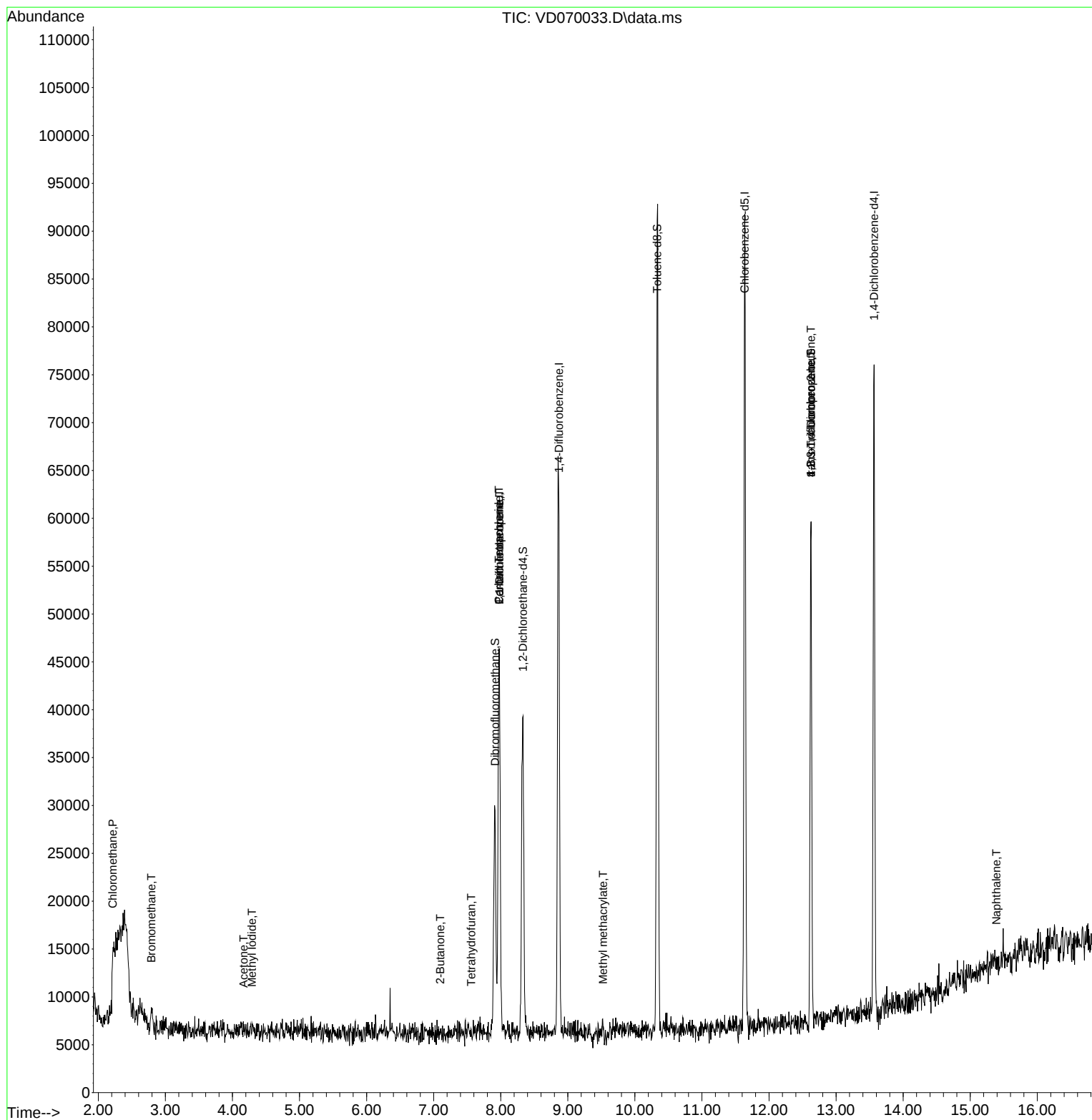
Internal Standards						
1) Pentafluorobenzene	7.979	168	29095	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	51541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	49688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	18575	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	26575	79.419	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 158.840%	
35) Dibromofluoromethane	7.914	113	17423	53.623	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.240%	
50) Toluene-d8	10.332	98	62228	49.669	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.340%	
62) 4-Bromofluorobenzene	12.626	95	17178	41.026	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	562	1.265	ug/l #	82
5) Bromomethane	2.791	94	1586	3.994	ug/l #	79
10) Methyl Iodide	4.291	142	205	3.990	ug/l #	40
16) Acetone	4.168	43	77	1.274	ug/l #	38
20) Methylene Chloride	4.956	84	268	Below Cal	#	34
25) 2-Butanone	7.097	43	121	1.476	ug/l #	46
29) Tetrahydrofuran	7.561	42	78	1.471	ug/l #	32
36) 1,1-Dichloropropene	7.979	75	2915	5.241	ug/l #	44
38) Carbon Tetrachloride	7.973	117	3067	6.037	ug/l #	12
48) Methyl methacrylate	9.526	41	64	3.060	ug/l #	13
76) 1,2,3-Trichloropropane	12.626	75	8496	43.031	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	8496	130.545	ug/l #	16
95) Naphthalene	15.390	128	142	5.209	ug/l #	69

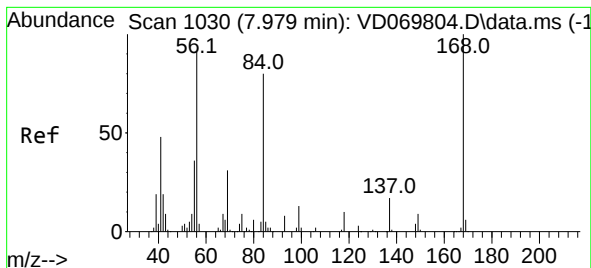
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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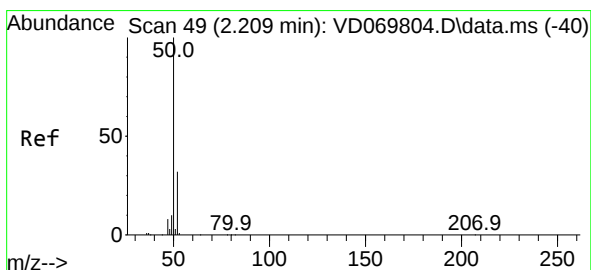
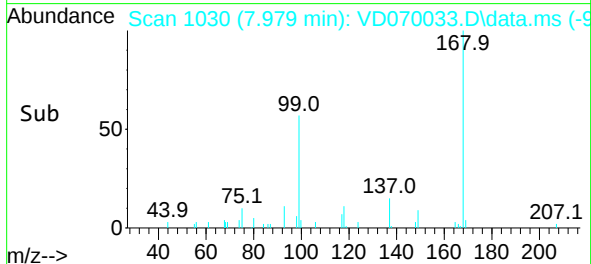
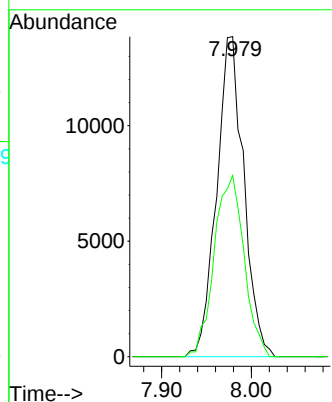
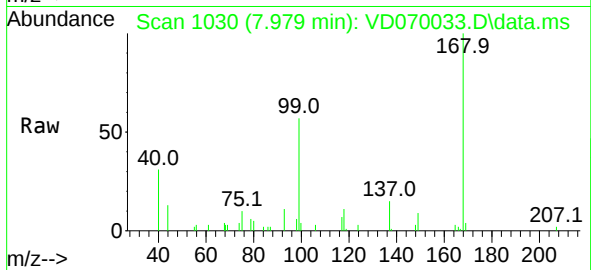




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

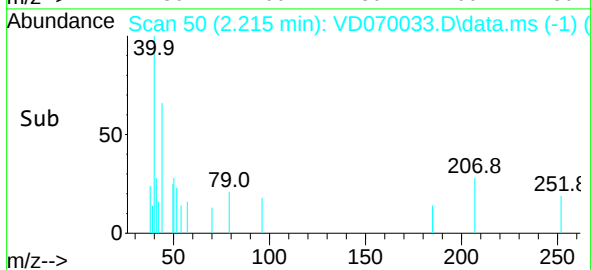
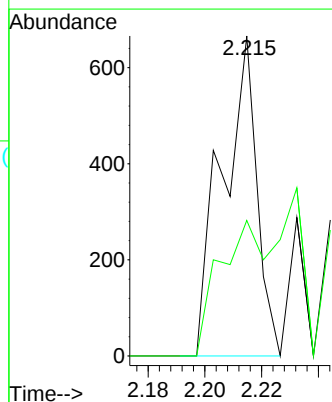
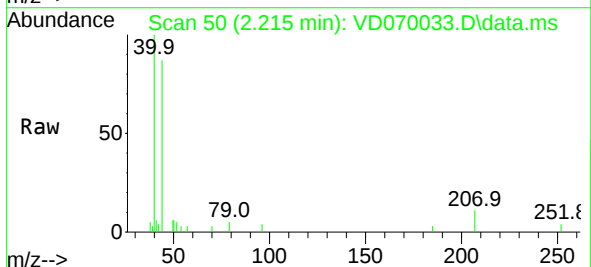
Instrument :
MSVOA_D
ClientSampled :

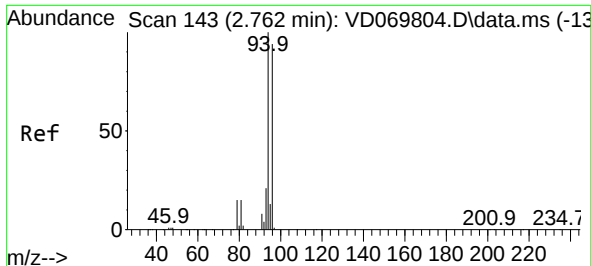
Tgt Ion:168 Resp: 29095
Ion Ratio Lower Upper
168 100
99 56.6 51.1 76.7



#3
Chloromethane
Concen: 1.265 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion: 50 Resp: 562
Ion Ratio Lower Upper
50 100
52 42.3 25.7 38.5#

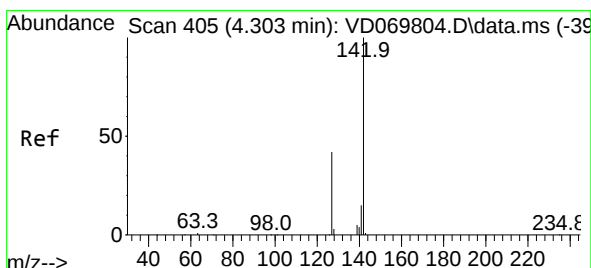
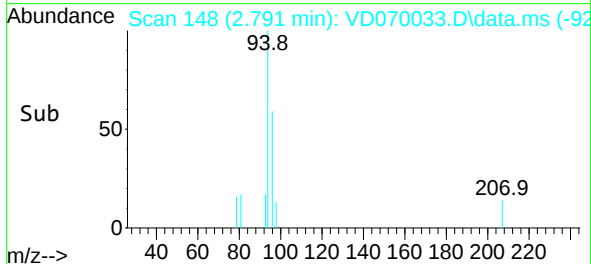
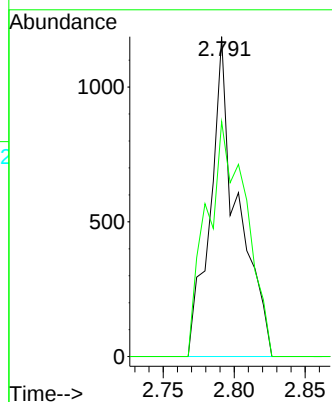
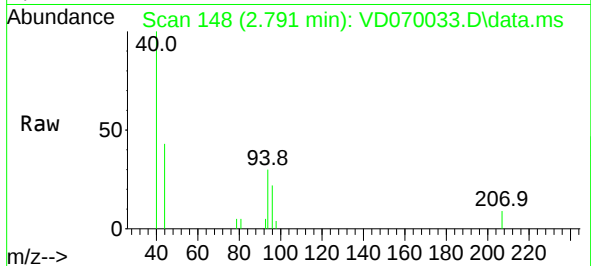




#5
Bromomethane
Concen: 3.994 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.029 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

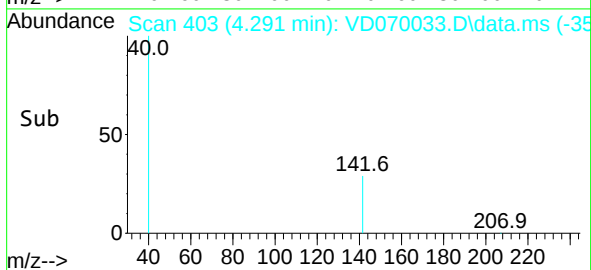
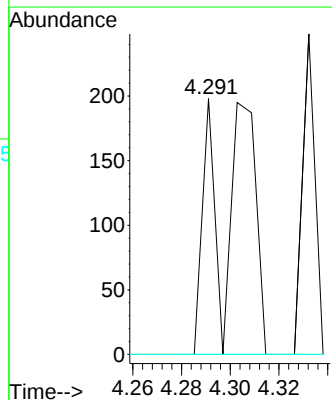
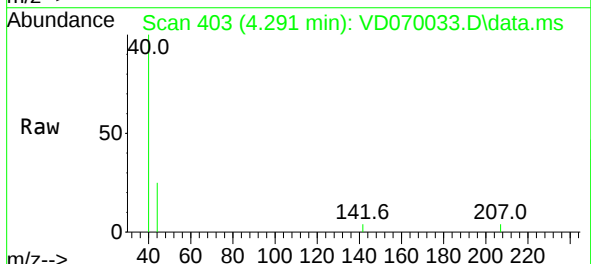
Instrument :
MSVOA_D
ClientSampled :

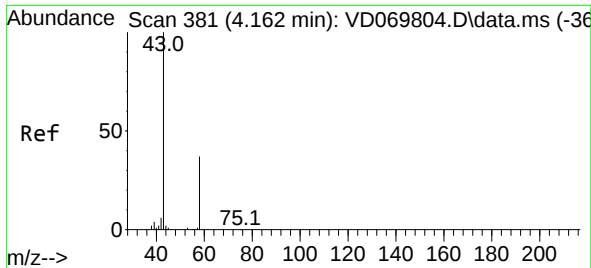
Tgt Ion: 94 Resp: 1586
Ion Ratio Lower Upper
94 100
96 73.5 74.8 112.2#



#10
Methyl Iodide
Concen: 3.990 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion:142 Resp: 205
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#

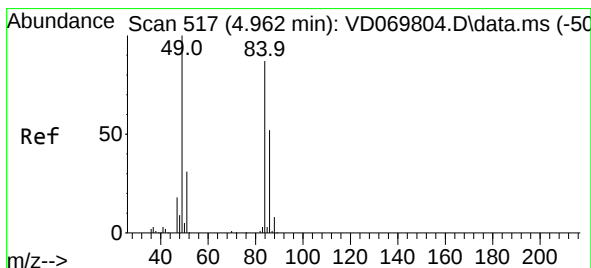
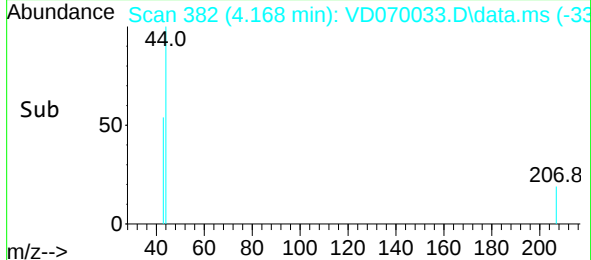
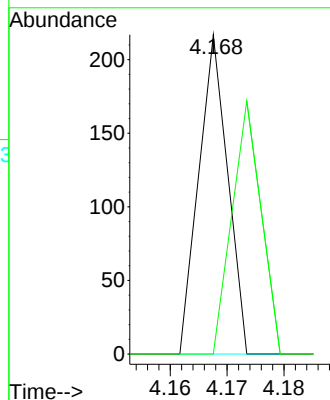
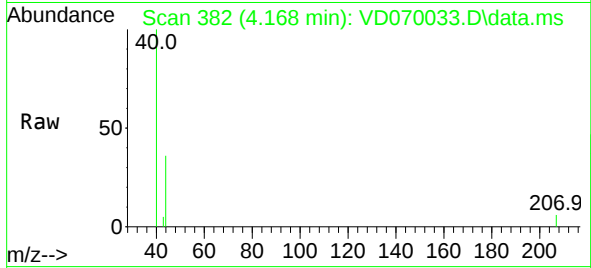




#16
Acetone
Concen: 1.274 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

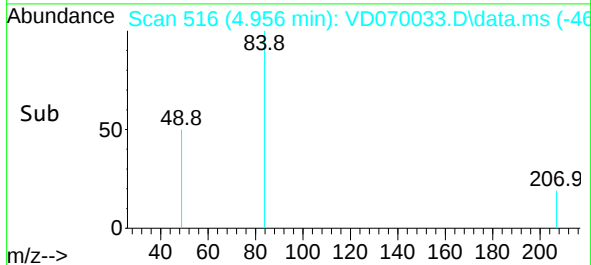
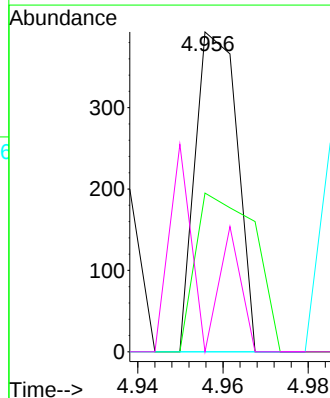
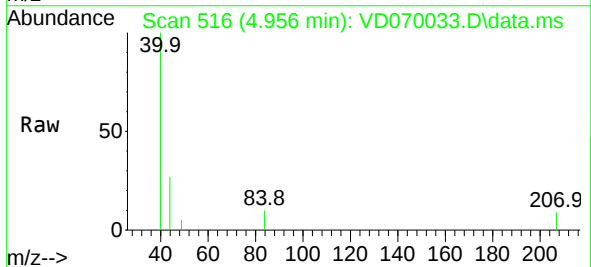
Instrument :
MSVOA_D
ClientSampled :

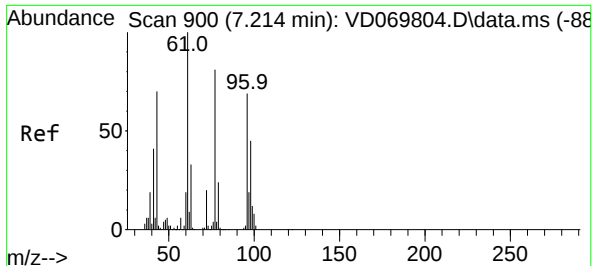
Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion: 84 Resp: 268
Ion Ratio Lower Upper
84 100
49 49.6 92.4 138.6#
51 0.0 28.5 42.7#
86 0.0 48.2 72.4#

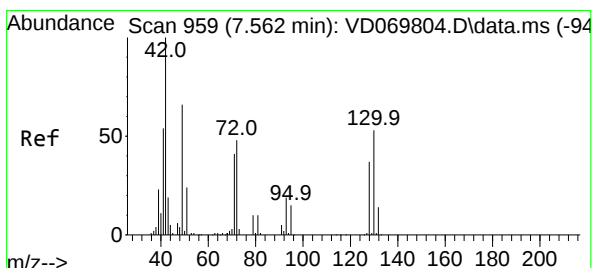
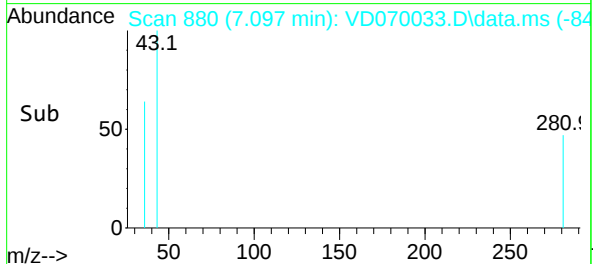
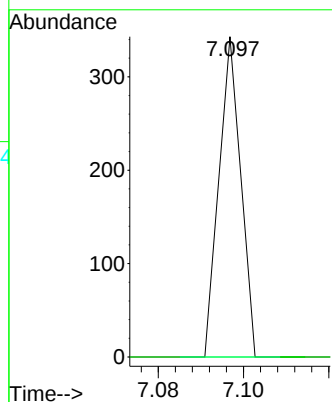
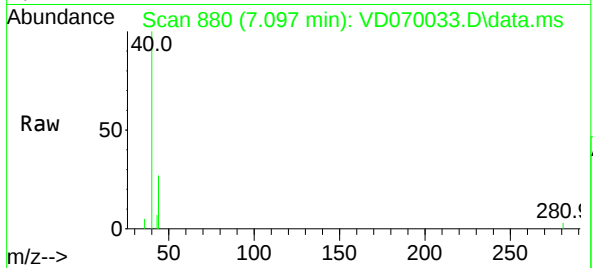




#25
2-Butanone
Concen: 1.476 ug/l
RT: 7.097 min Scan# 880
Delta R.T. -0.118 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

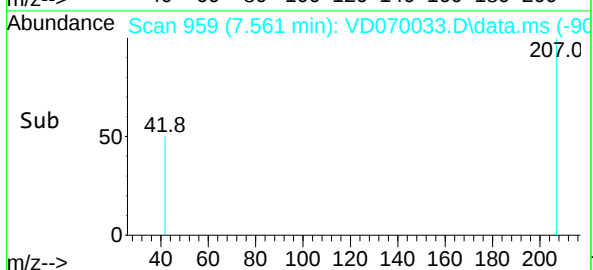
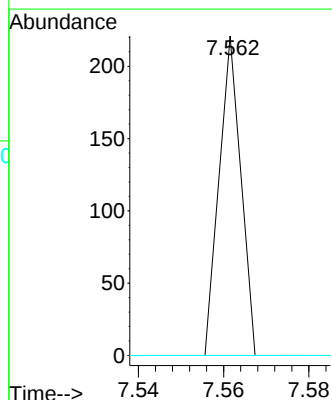
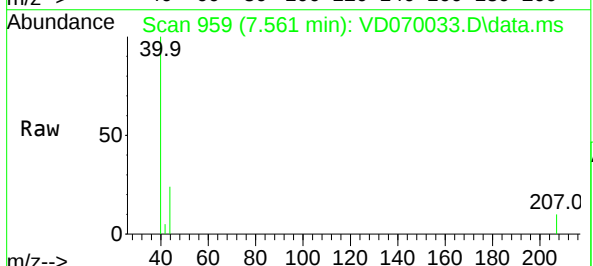
Instrument :
MSVOA_D
ClientSampled :

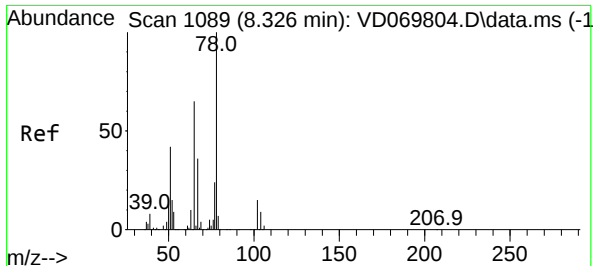
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#29
Tetrahydrofuran
Concen: 1.471 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.000 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion: 42 Resp: 78
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.5 50.3#

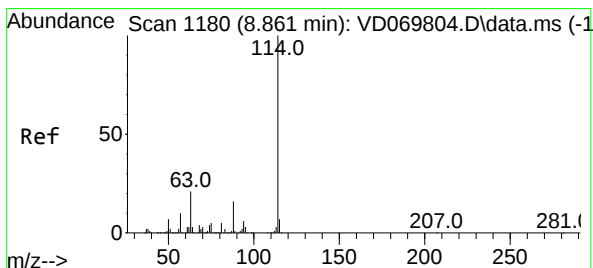
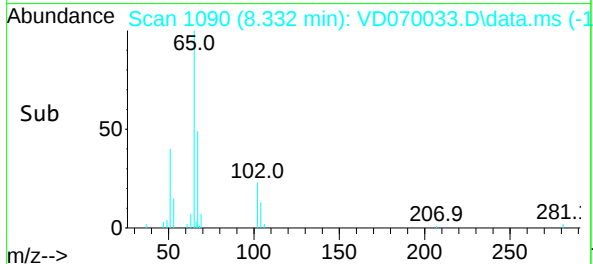
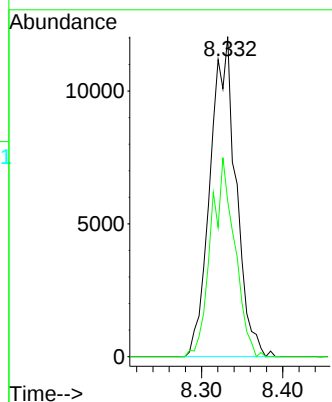
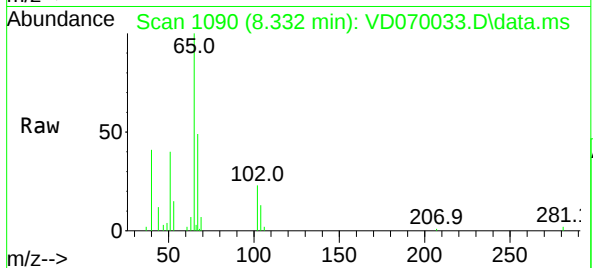




#33
1,2-Dichloroethane-d4
Concen: 79.419 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

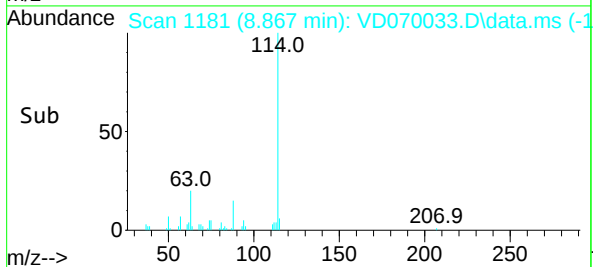
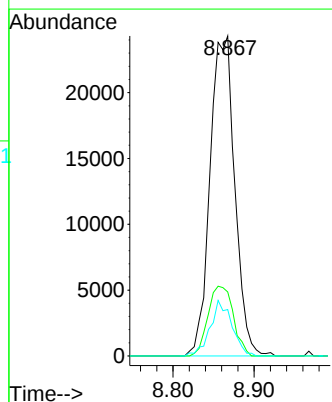
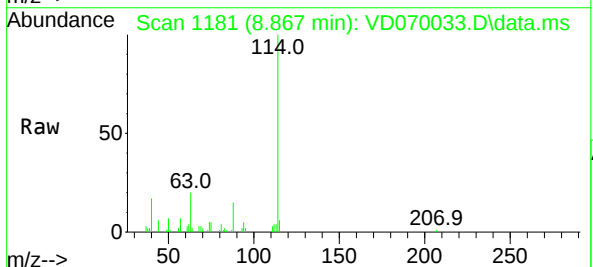
Instrument :
MSVOA_D
ClientSampled :

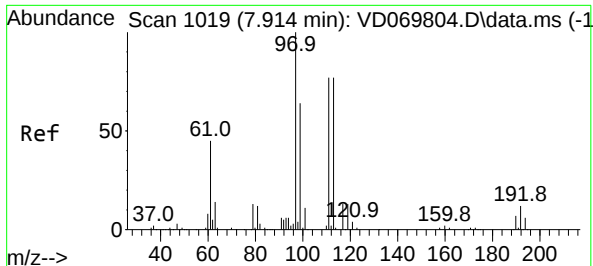
Tgt Ion: 65 Resp: 26575
Ion Ratio Lower Upper
65 100
67 57.1 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion: 114 Resp: 51541
Ion Ratio Lower Upper
114 100
63 20.0 0.0 41.6
88 14.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.623 ug/l

RT: 7.914 min Scan# 1019

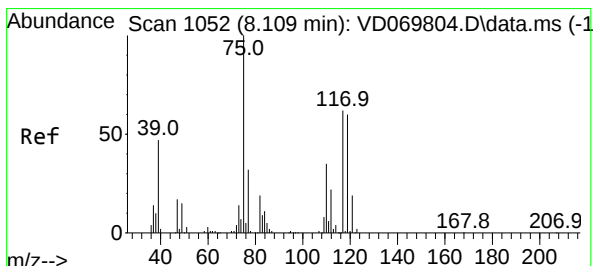
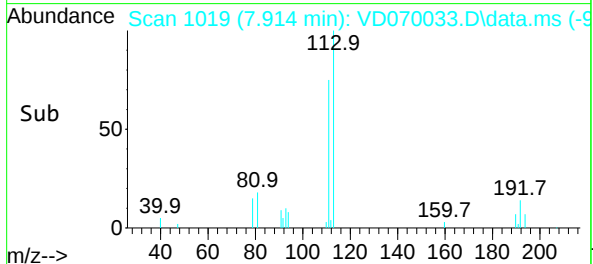
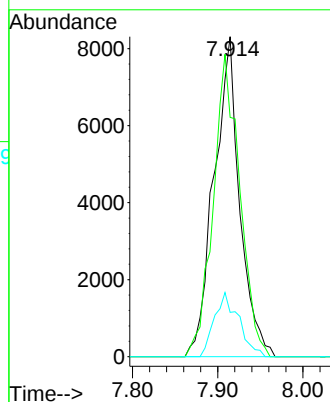
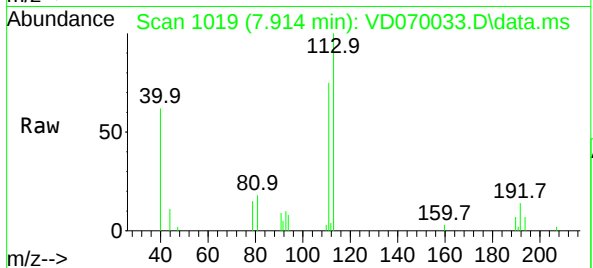
Delta R.T. 0.000 min

Lab File: VD070033.D

Acq: 11 Aug 2021 19:54

Tgt Ion:	113	Resp:	17423
Ion	Ratio	Lower	Upper
113	100		
111	97.9	80.5	120.7
192	19.0	12.6	19.0#

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.241 ug/l

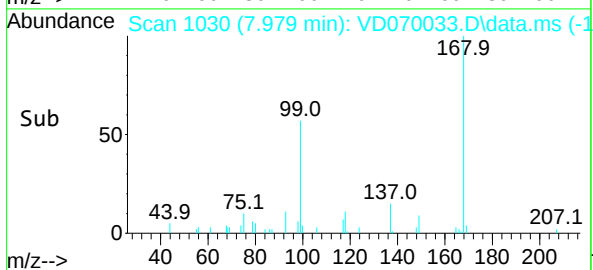
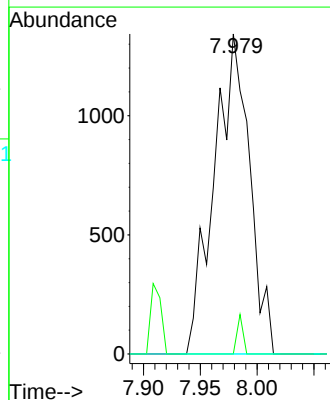
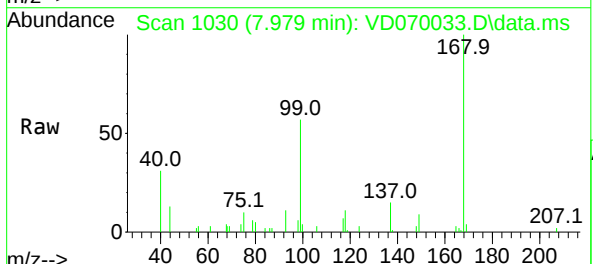
RT: 7.979 min Scan# 1030

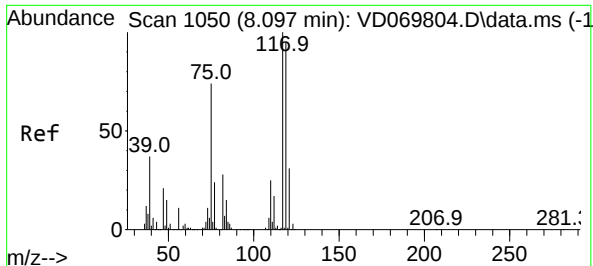
Delta R.T. -0.129 min

Lab File: VD070033.D

Acq: 11 Aug 2021 19:54

Tgt Ion:	75	Resp:	2915
Ion	Ratio	Lower	Upper
75	100		
110	2.0	16.9	50.7#
77	0.0	24.9	37.3#

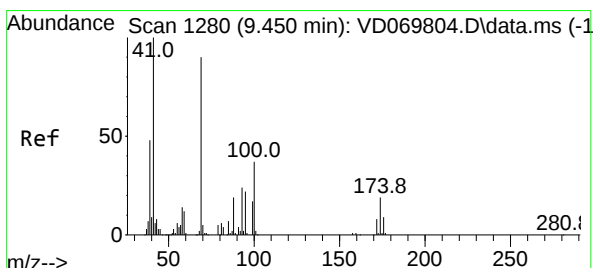
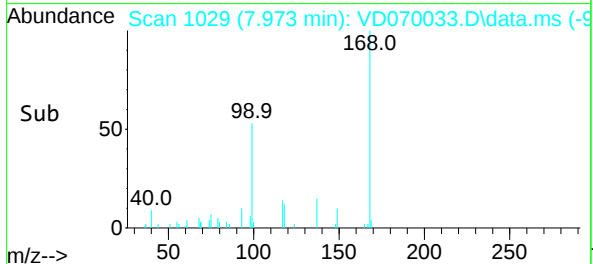
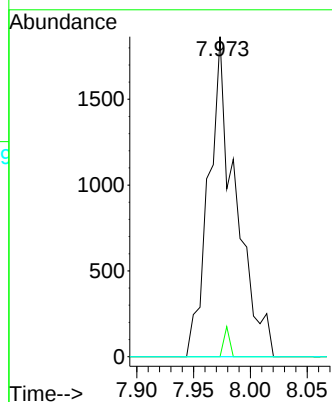
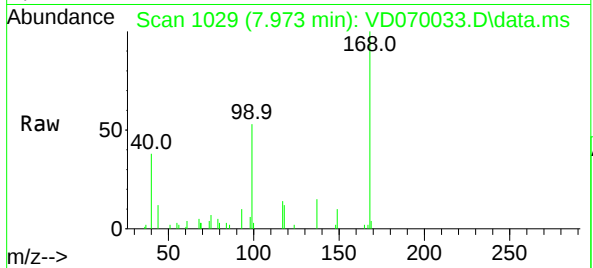




#38
Carbon Tetrachloride
Concen: 6.037 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

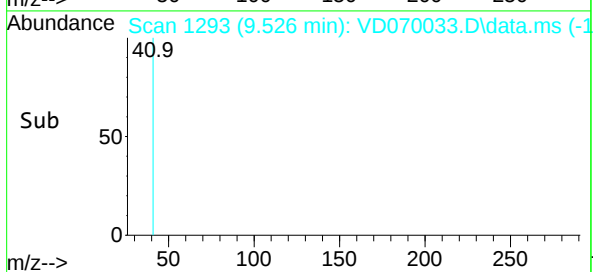
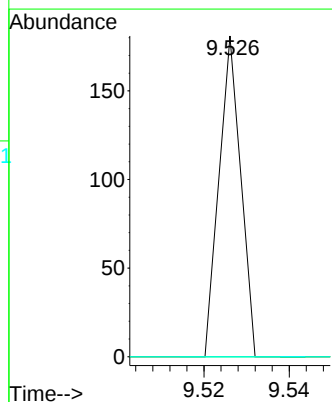
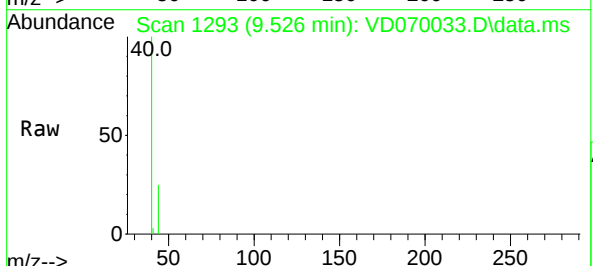
Instrument :
MSVOA_D
ClientSampled :

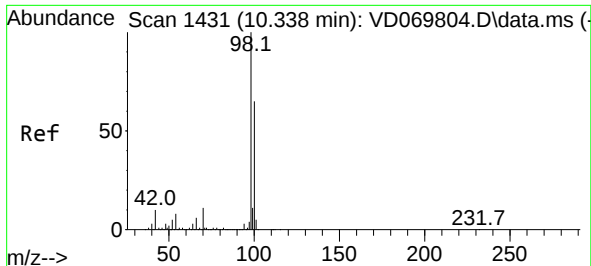
Tgt Ion:117 Resp: 3067
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 3.060 ug/l
RT: 9.526 min Scan# 1293
Delta R.T. 0.076 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion: 41 Resp: 64
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

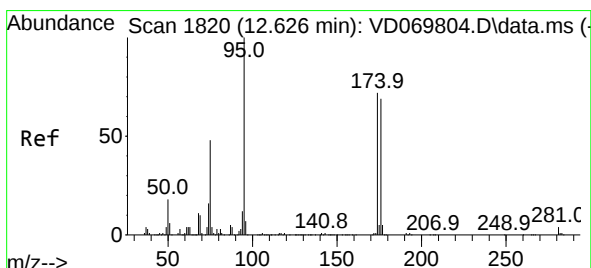
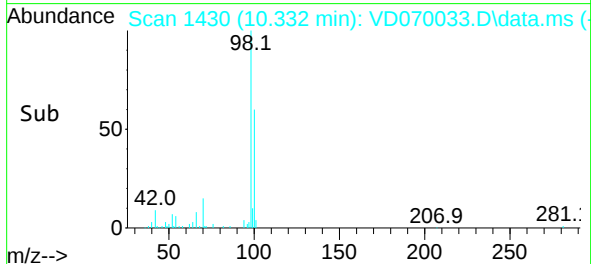
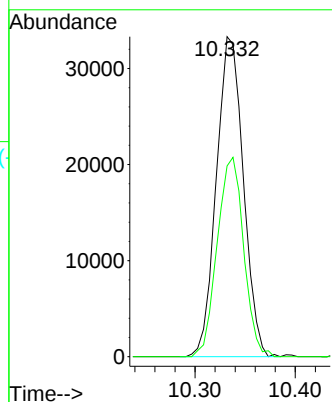
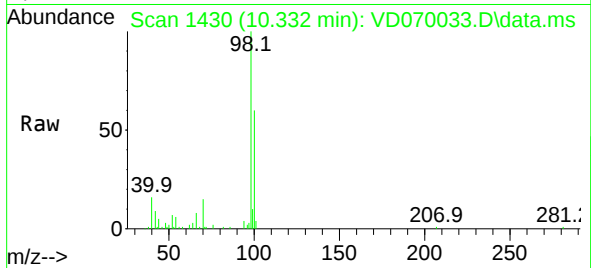




#50
Toluene-d8
Concen: 49.669 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

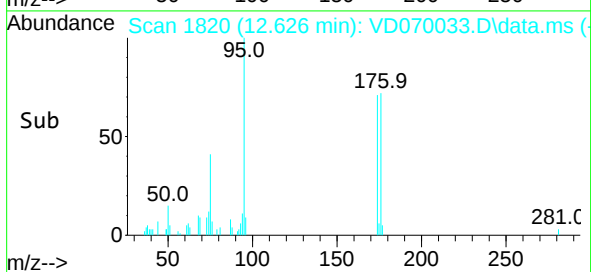
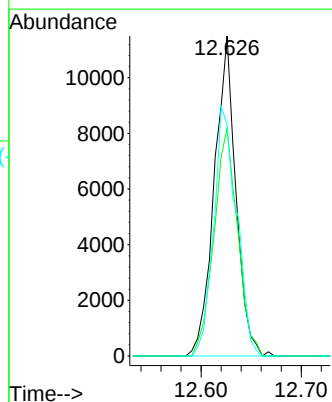
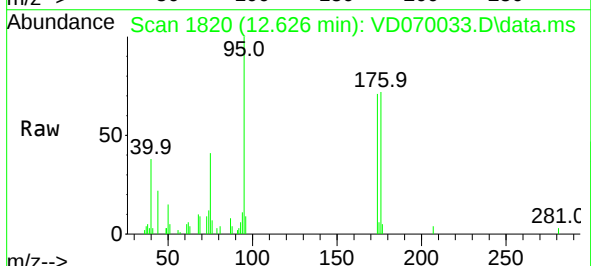
Instrument :
MSVOA_D
ClientSampled :

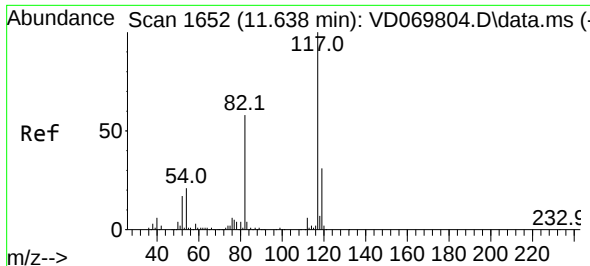
Tgt Ion: 98 Resp: 62228
Ion Ratio Lower Upper
98 100
100 61.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 41.026 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion: 95 Resp: 17178
Ion Ratio Lower Upper
95 100
174 78.0 0.0 142.6
176 83.0 0.0 134.2

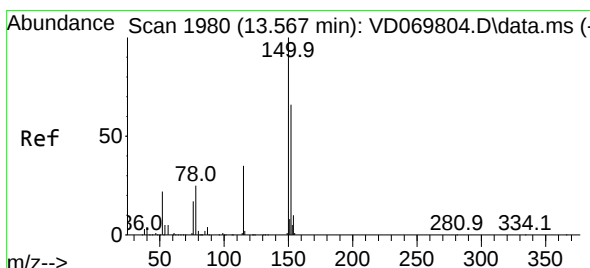
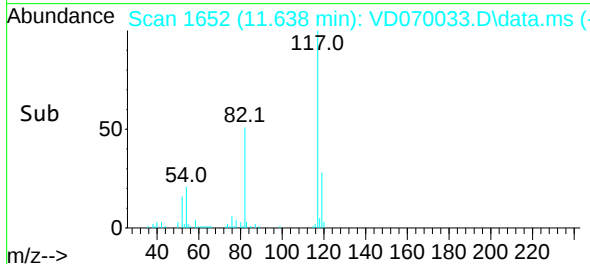
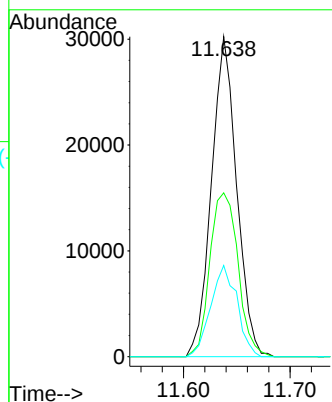
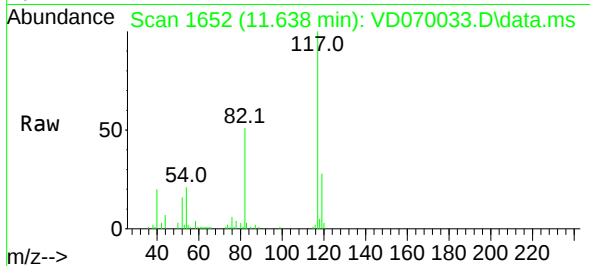




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

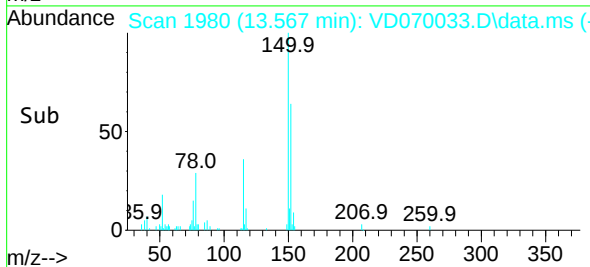
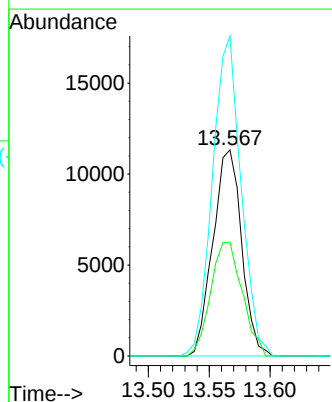
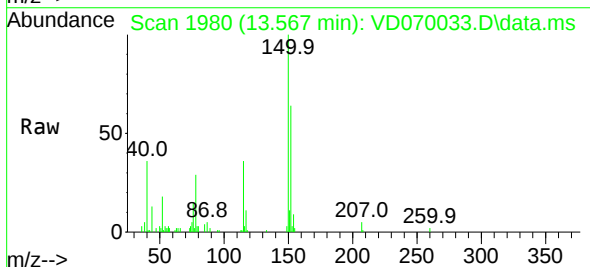
Instrument :
MSVOA_D
ClientSampled :

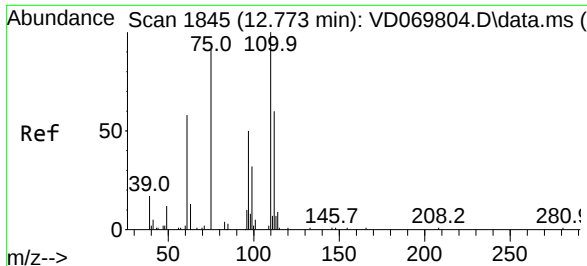
Tgt Ion:117 Resp: 49688
Ion Ratio Lower Upper
117 100
82 51.2 46.3 69.5
119 28.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion:152 Resp: 18575
Ion Ratio Lower Upper
152 100
115 60.5 31.1 93.3
150 154.3 0.0 343.0

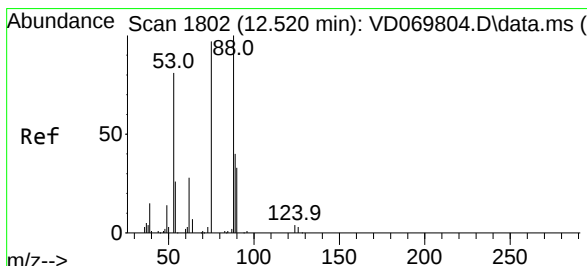
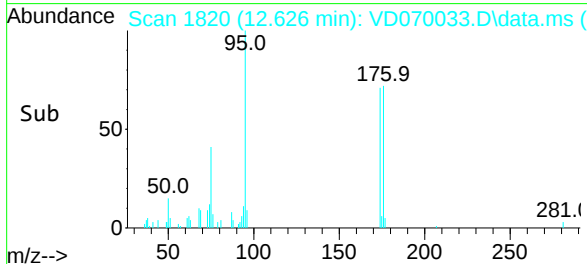
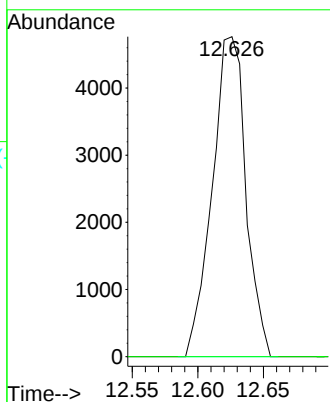
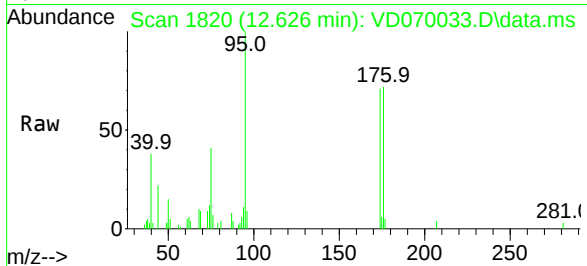




#76
1,2,3-Trichloropropane
Concen: 43.031 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

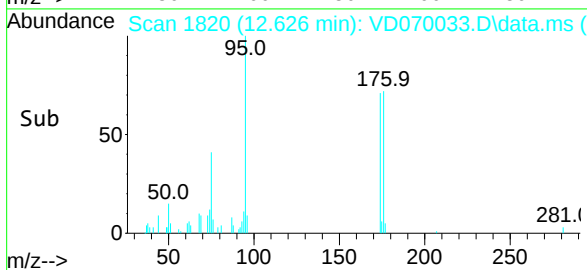
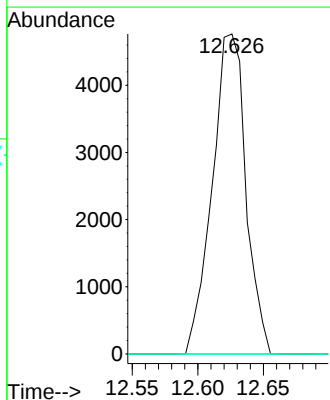
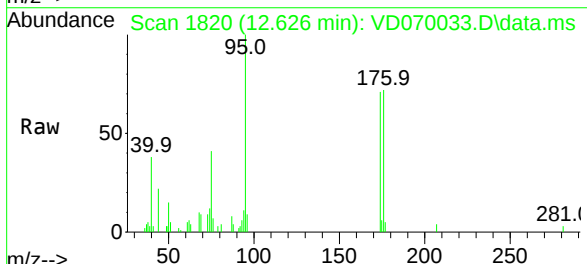
Instrument :
MSVOA_D
ClientSampleId :

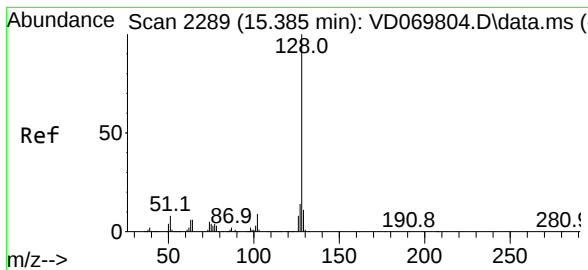
Tgt Ion: 75 Resp: 8496
Ion Ratio Lower Upper
75 100
77 0.0 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.545 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Tgt Ion: 75 Resp: 8496
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.209 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070033.D
Acq: 11 Aug 2021 19:54

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

