

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071367.D
 Acq On : 16 Dec 2021 15:10
 Operator : VA/SY
 Sample : M5089-13RE
 Misc : 6.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:49:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

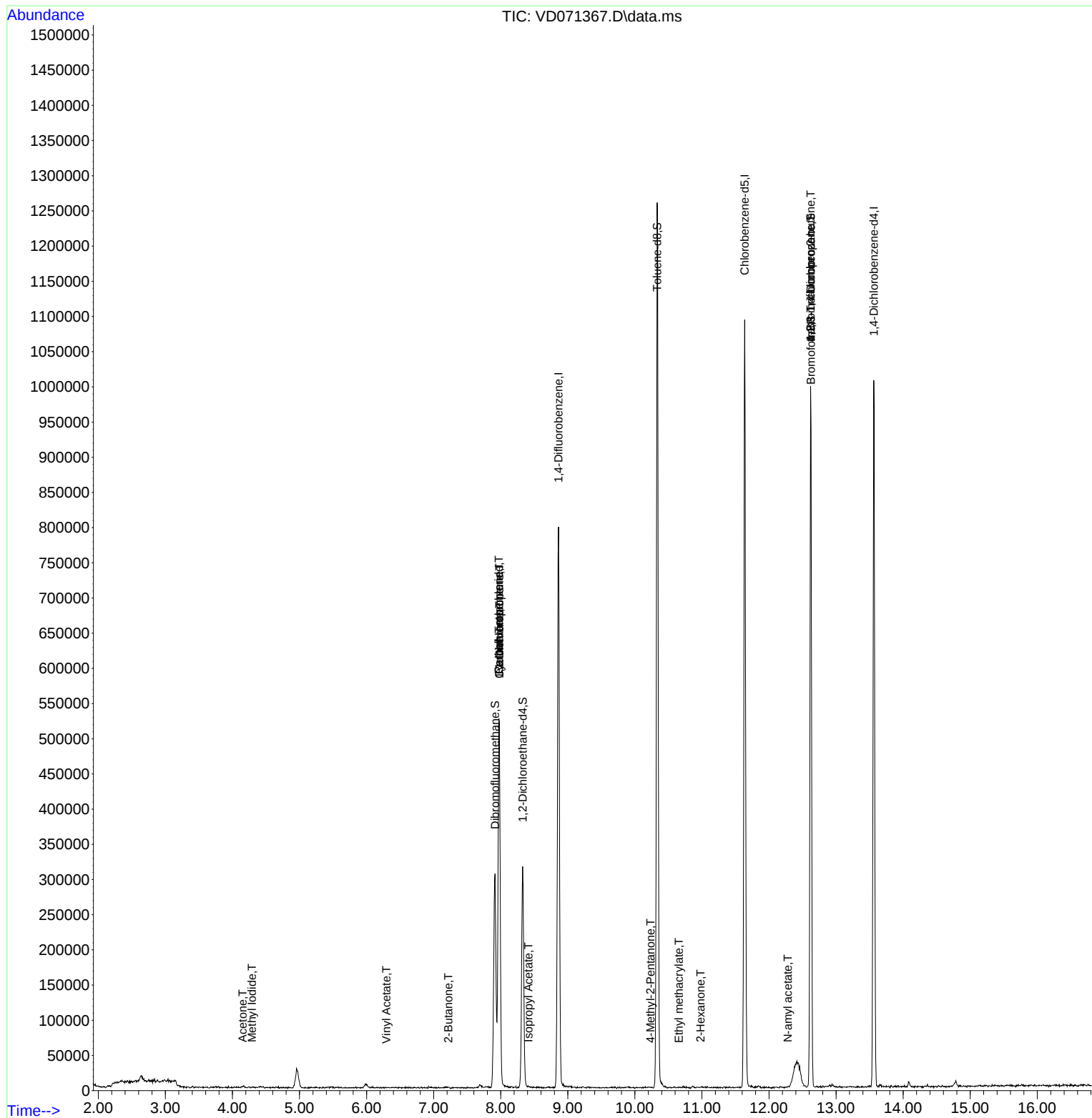
Internal Standards						
1) Pentafluorobenzene	7.973	168	365170	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	642032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	573314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	246543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246486	57.525	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.060%			
35) Dibromofluoromethane	7.914	113	210339	51.448	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.900%			
50) Toluene-d8	10.332	98	796505	51.194	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.380%			
62) 4-Bromofluorobenzene	12.620	95	255539	47.382	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.760%			
Target Compounds						Qvalue
10) Methyl Iodide	4.291	142	100	4.582	ug/l #	40
11) Tert butyl alcohol	5.215	59	207	Below Cal	#	71
16) Acetone	4.150	43	1667	32.081	ug/l	93
23) Vinyl Acetate	6.297	43	83	27.229	ug/l #	72
25) 2-Butanone	7.220	43	296	28.559	ug/l #	45
31) Cyclohexane	7.979	56	10300	1.413	ug/l #	2
36) 1,1-Dichloropropene	7.979	75	33832	5.638	ug/l #	49
38) Carbon Tetrachloride	7.973	117	39656	6.704	ug/l #	19
41) Methacrylonitrile	7.520	41	65	Below Cal	#	1
43) Isopropyl Acetate	8.414	43	55	5.232	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	172	30.703	ug/l #	34
56) Ethyl methacrylate	10.655	69	67	5.984	ug/l #	1
59) 2-Hexanone	10.979	43	126	34.623	ug/l #	22
71) Bromoform	12.626	173	3752	1.865	ug/l #	1
74) N-amyl acetate	12.279	43	282	5.752	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	148920	63.398	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	148920	136.935	ug/l #	18

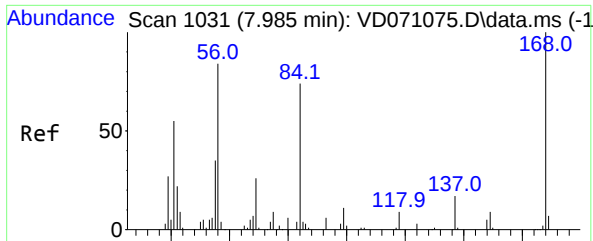
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
Data File : VD071367.D
Acq On : 16 Dec 2021 15:10
Operator : VA/SY
Sample : M5089-13RE
Misc : 6.27G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

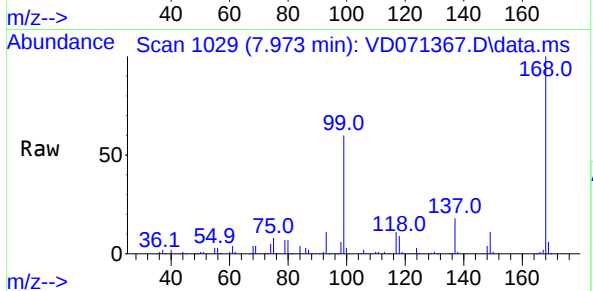
Quant Time: Dec 16 23:49:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



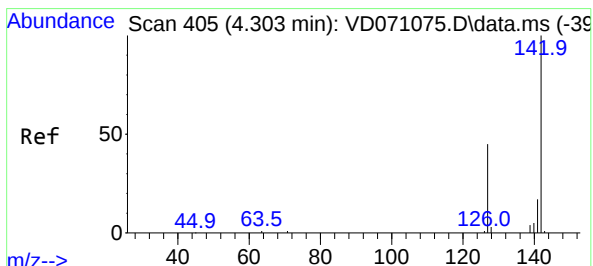
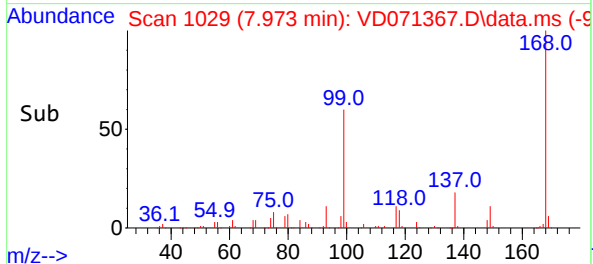
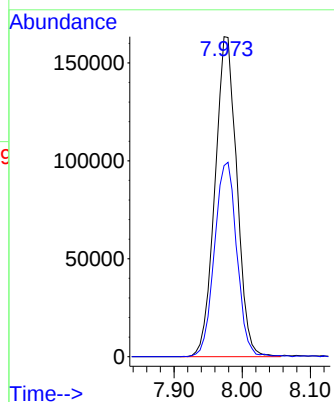


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :

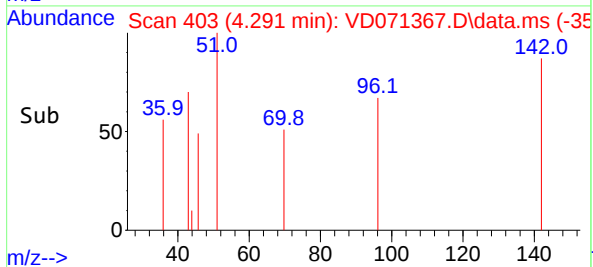
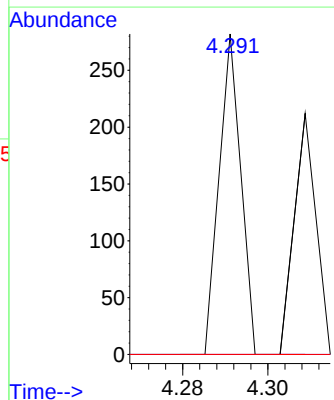
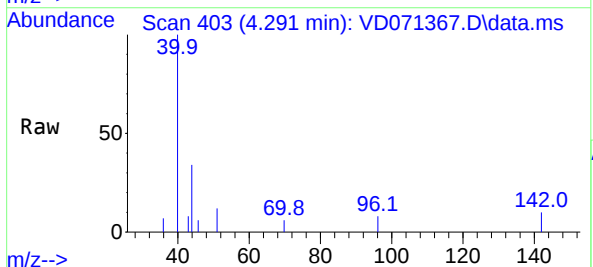


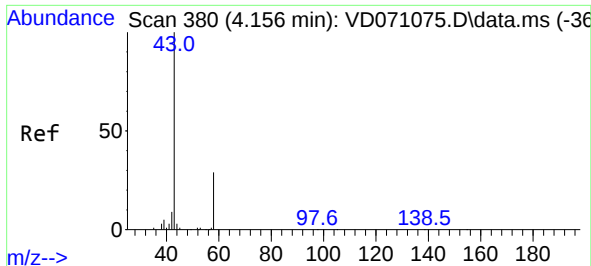
Tgt Ion:168 Resp: 365170
Ion Ratio Lower Upper
168 100
99 59.7 46.6 69.8



#10
Methyl Iodide
Concen: 4.582 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Tgt Ion:142 Resp: 100
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

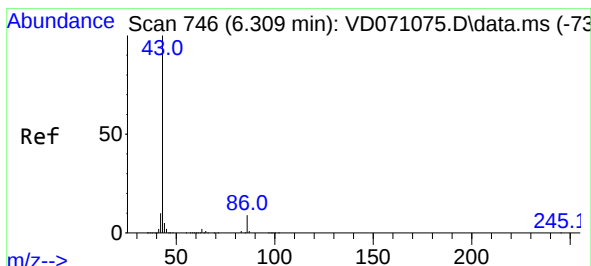
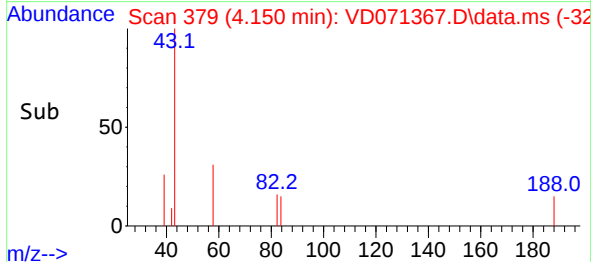
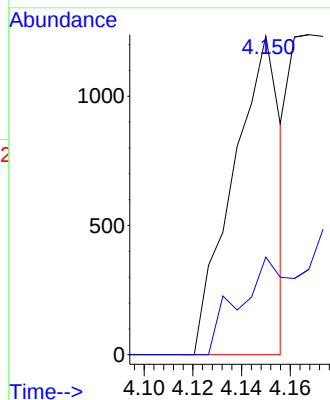
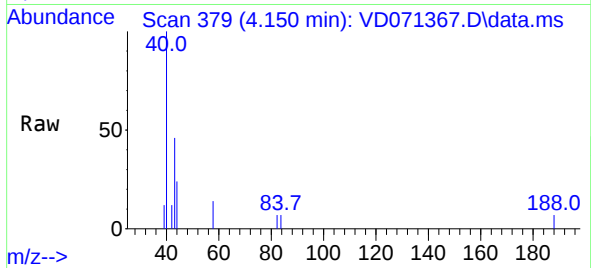




#16
Acetone
Concen: 32.081 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

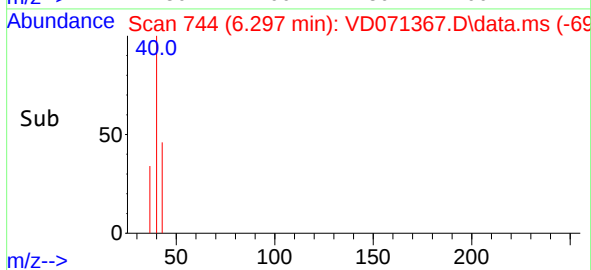
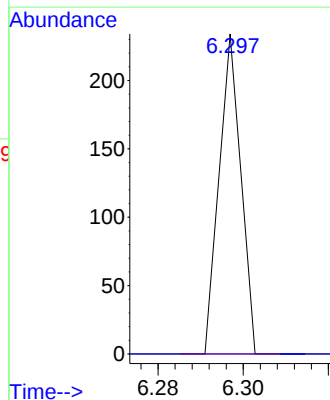
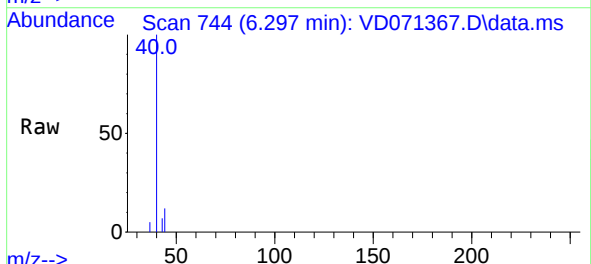
Instrument :
MSVOA_D
ClientSampleId :

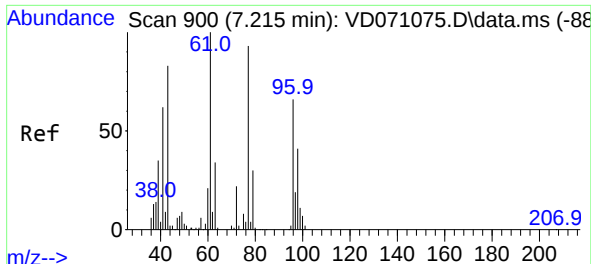
Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
58 30.7 27.8 41.8



#23
Vinyl Acetate
Concen: 27.229 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

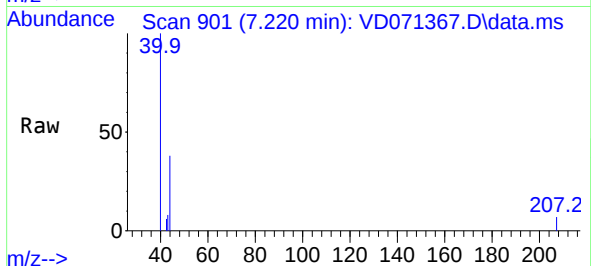
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



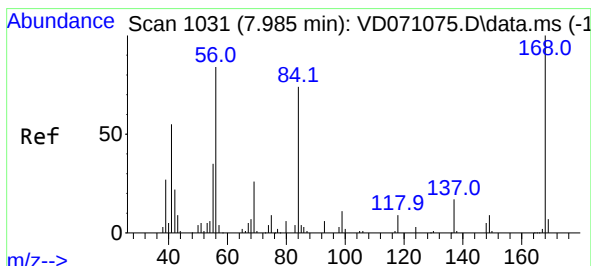
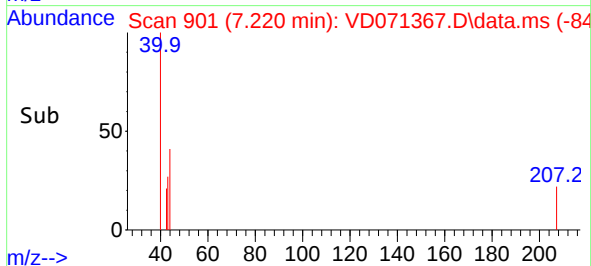
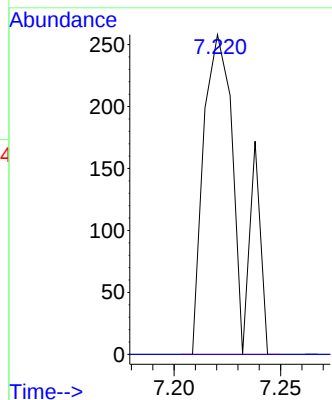


#25
2-Butanone
Concen: 28.559 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :

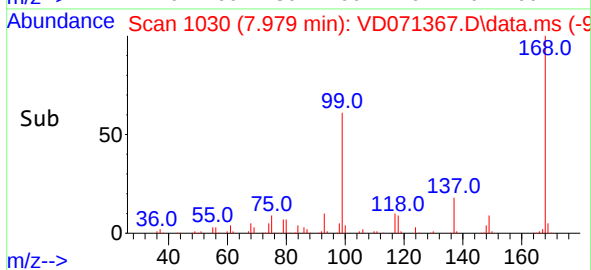
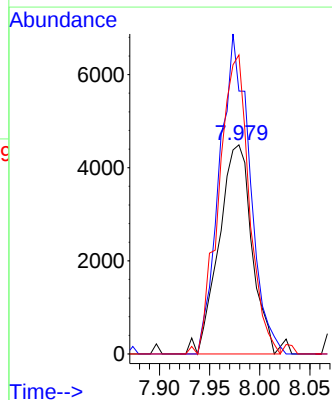
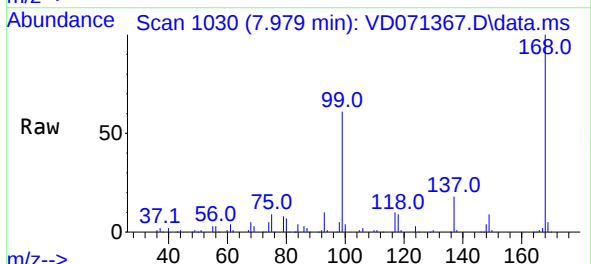


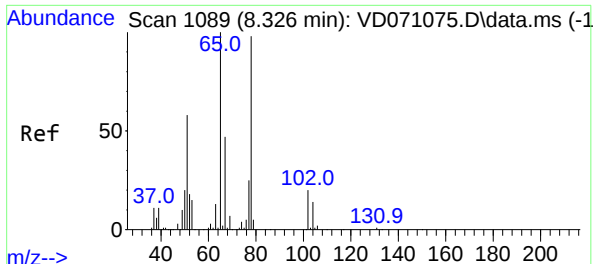
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Tgt Ion: 56 Resp: 10300
Ion Ratio Lower Upper
56 100
69 125.7 25.9 38.9#
84 143.0 64.3 96.5#

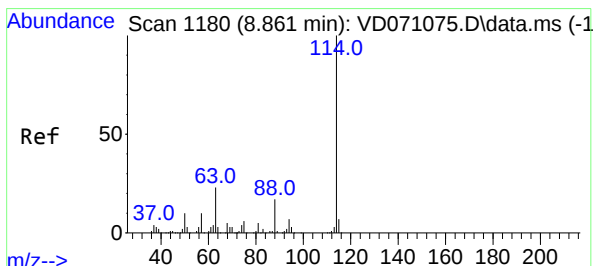
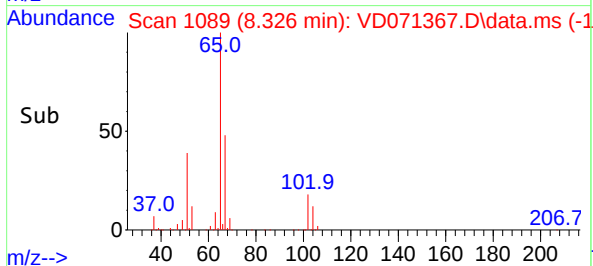
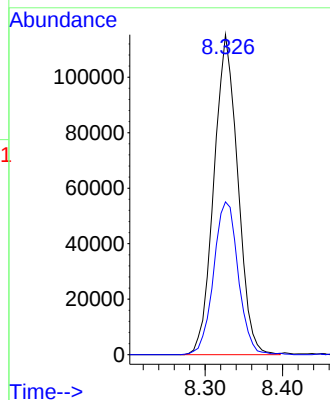
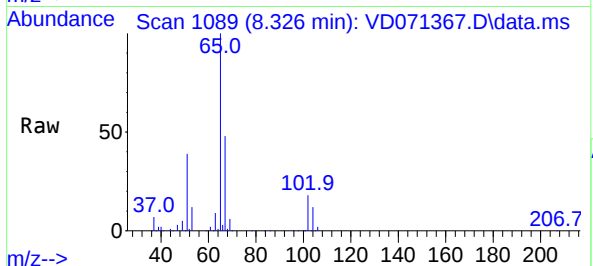




#33
1,2-Dichloroethane-d4
Concen: 57.525 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

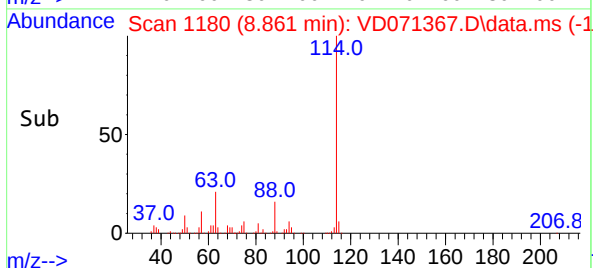
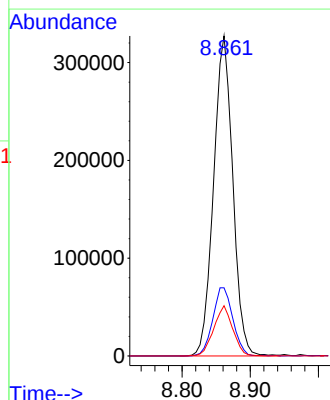
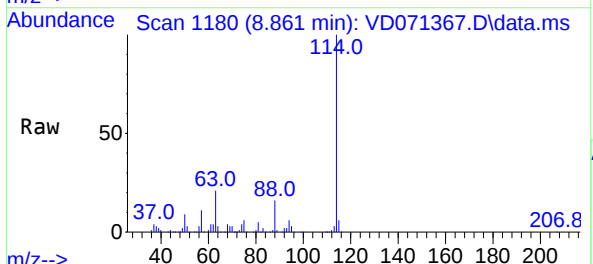
Instrument :
MSVOA_D
ClientSampleId :

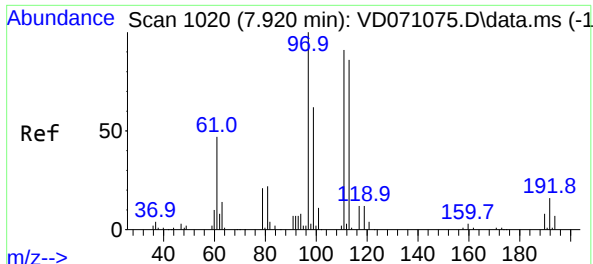
Tgt Ion: 65 Resp: 246486
Ion Ratio Lower Upper
65 100
67 49.4 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

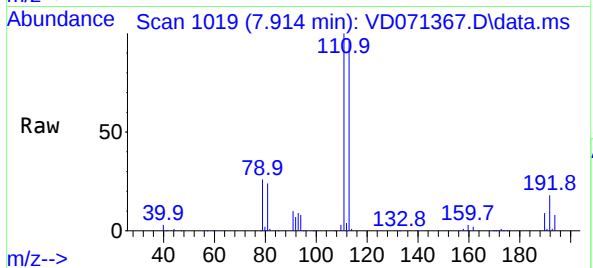
Tgt Ion: 114 Resp: 642032
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.8
88 15.7 0.0 32.8



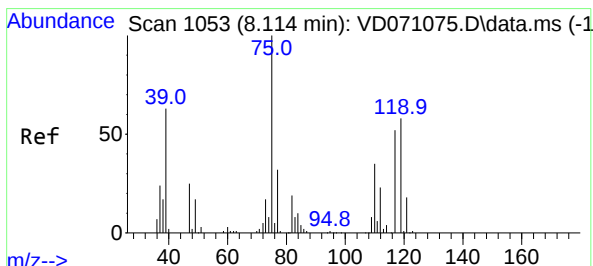
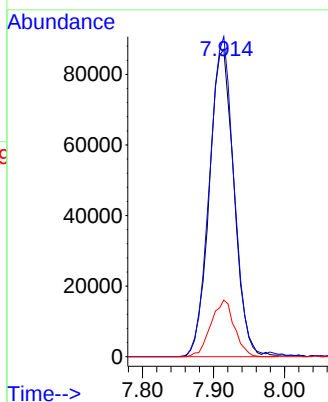
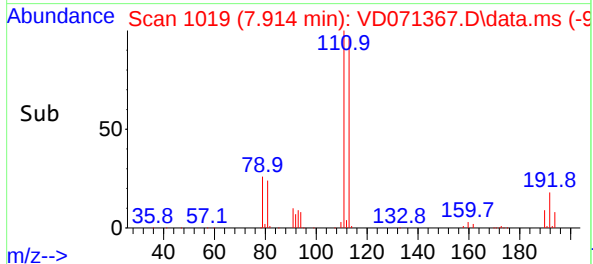


#35
Dibromofluoromethane
Concen: 51.448 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

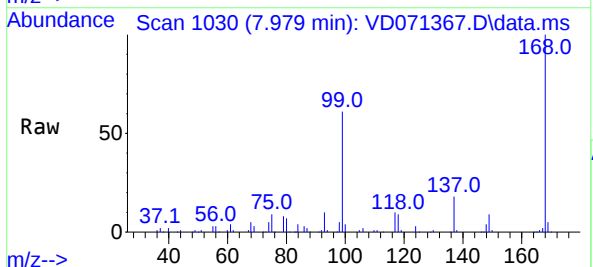
Instrument :
MSVOA_D
ClientSampleId :



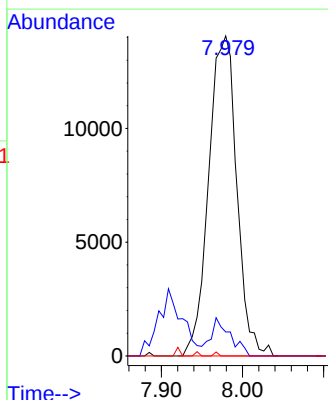
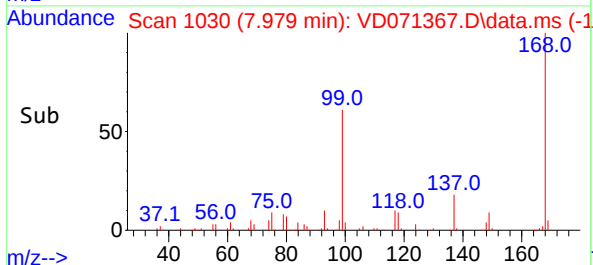
Tgt Ion:113 Resp: 210339
Ion Ratio Lower Upper
113 100
111 102.6 82.0 123.0
192 17.5 15.2 22.8

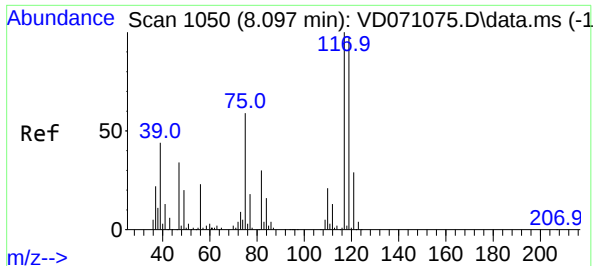


#36
1,1-Dichloropropene
Concen: 5.638 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10



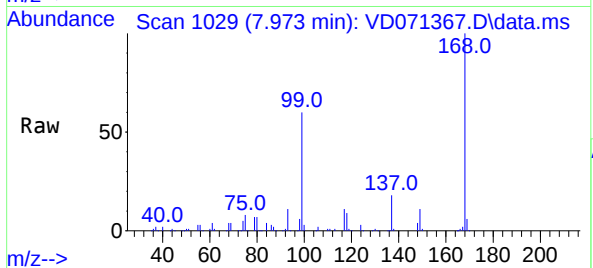
Tgt Ion: 75 Resp: 33832
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.4#
77 0.2 24.8 37.2#



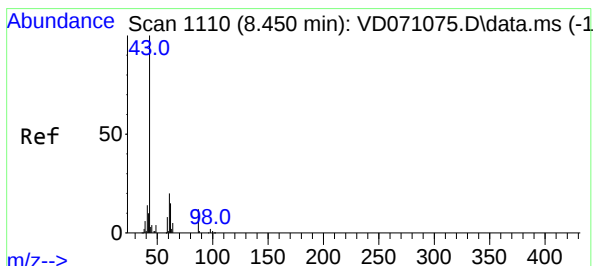
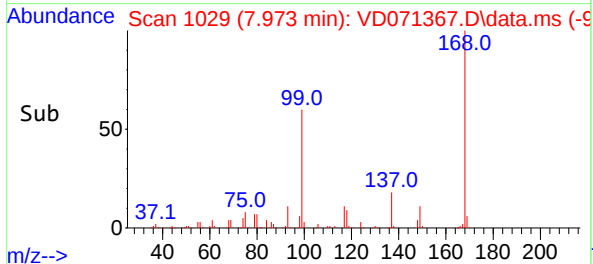
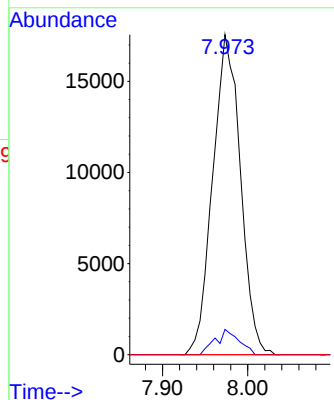


#38
Carbon Tetrachloride
Concen: 6.704 ug/l
RT: 7.973 min Scan# 1104
Delta R.T. -0.124 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :

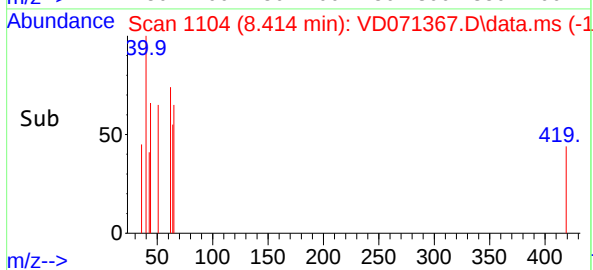
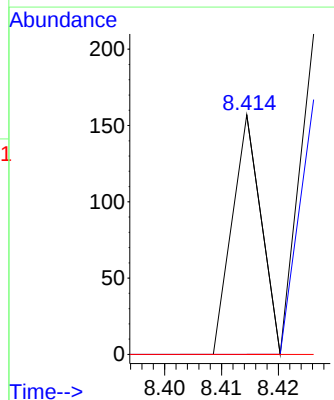
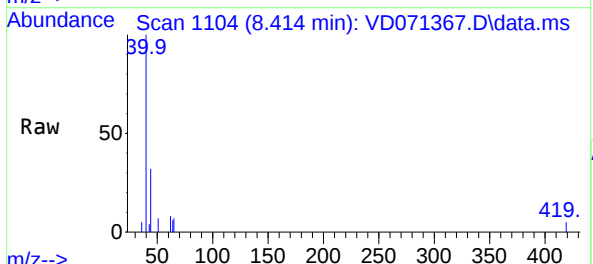


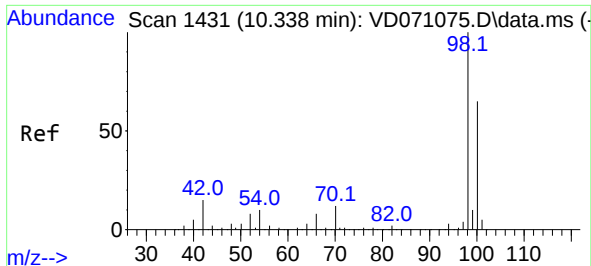
Tgt Ion:117 Resp: 39656
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.232 ug/l
RT: 8.414 min Scan# 1104
Delta R.T. -0.036 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

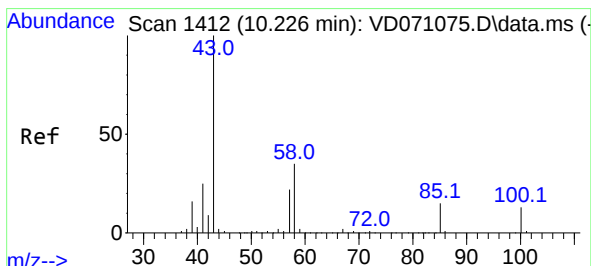
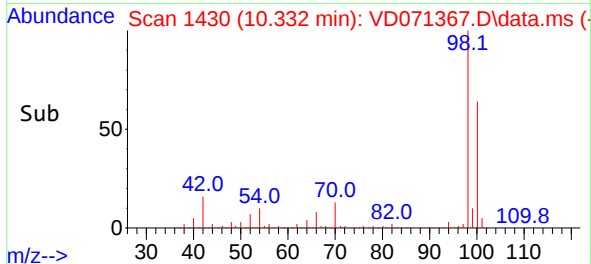
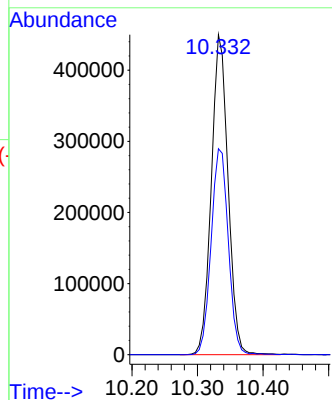
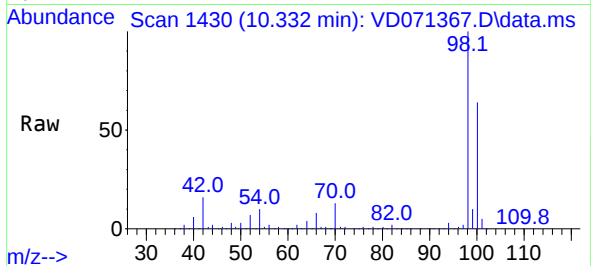




#50
Toluene-d8
Concen: 51.194 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

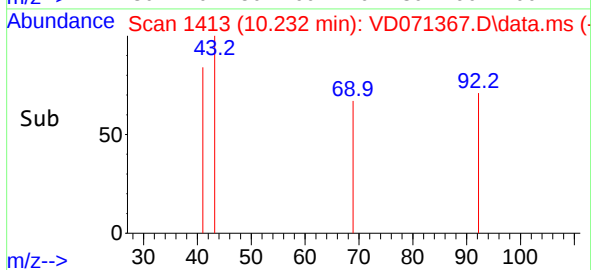
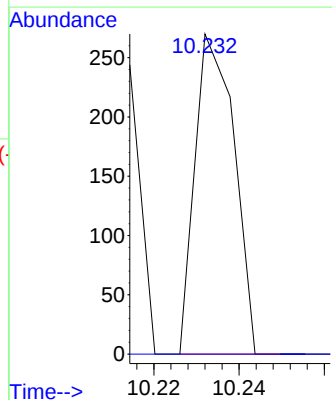
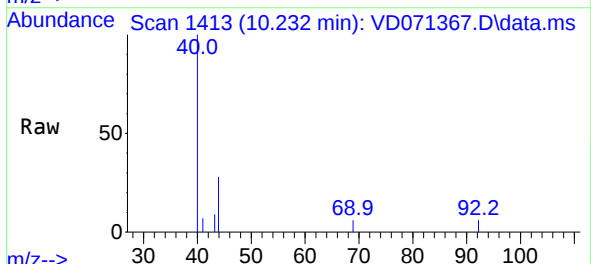
Instrument :
MSVOA_D
ClientSampleId :

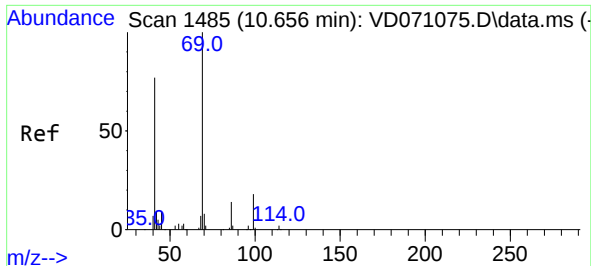
Tgt Ion: 98 Resp: 796505
Ion Ratio Lower Upper
98 100
100 66.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.703 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

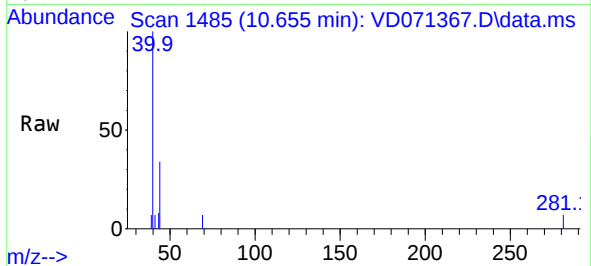
Tgt Ion: 43 Resp: 172
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



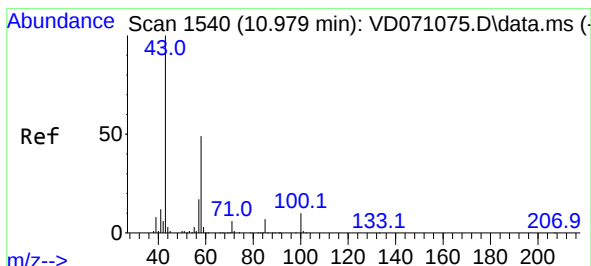
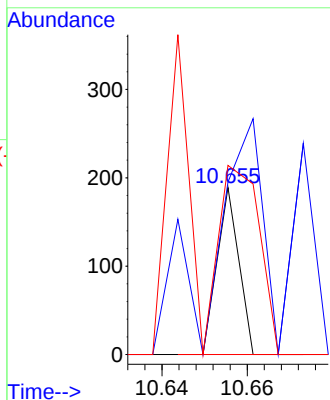
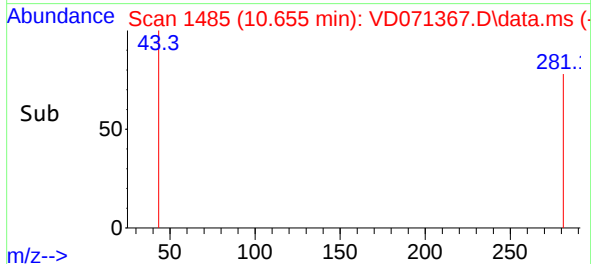


#56
Ethyl methacrylate
Concen: 5.984 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :

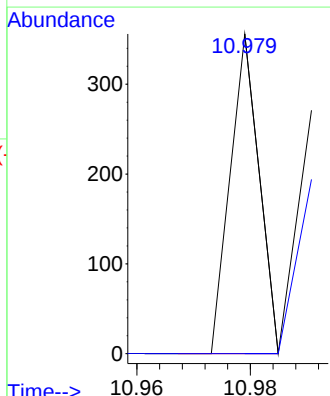
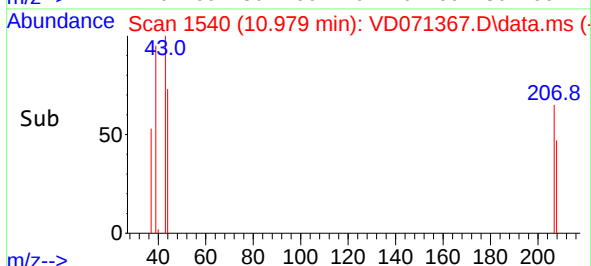
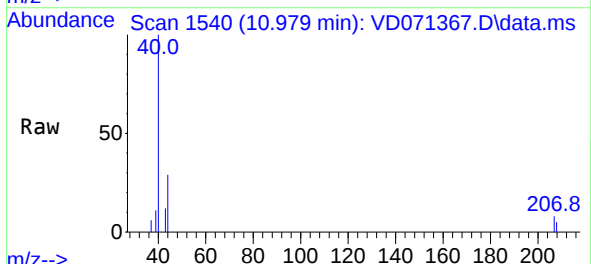


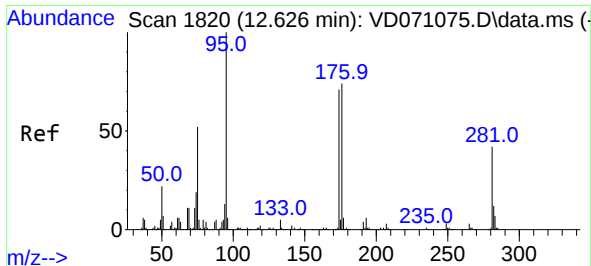
Tgt Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 449.3 50.2 75.2#
39 404.5 19.8 29.8#



#59
2-Hexanone
Concen: 34.623 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Tgt Ion: 43 Resp: 126
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

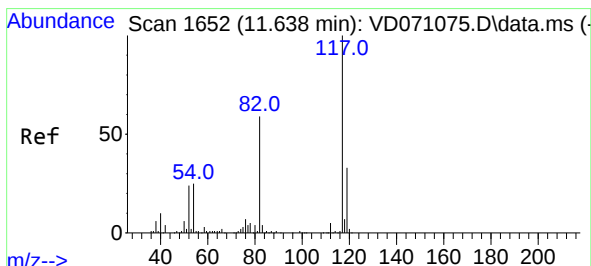
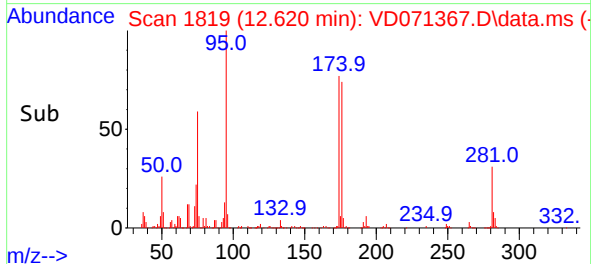
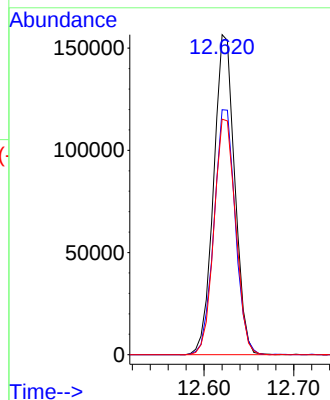
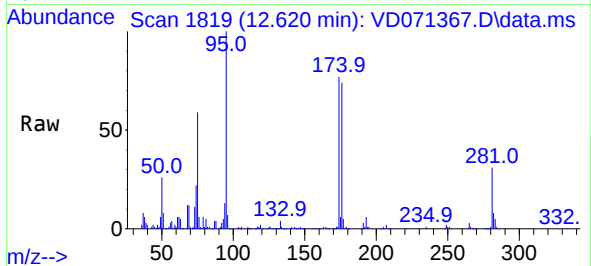




#62
4-Bromofluorobenzene
Concen: 47.382 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

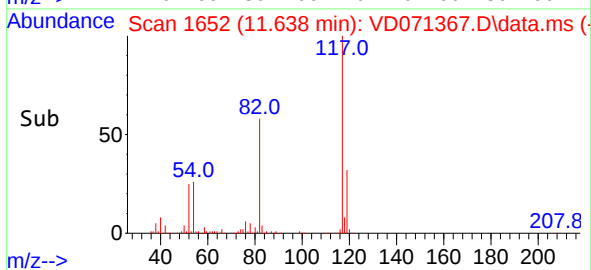
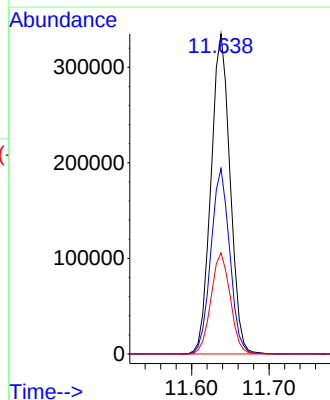
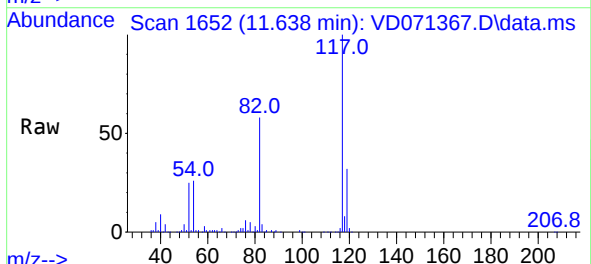
Instrument :
MSVOA_D
ClientSampleId :

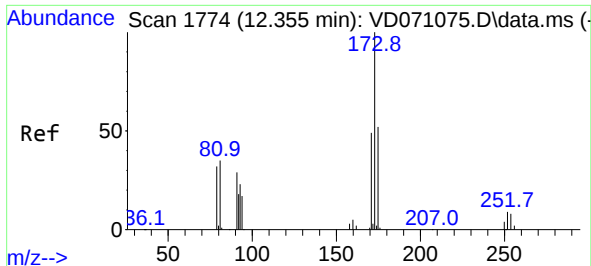
Tgt Ion: 95 Resp: 255539
Ion Ratio Lower Upper
95 100
174 77.1 0.0 159.4
176 75.3 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Tgt Ion:117 Resp: 573314
Ion Ratio Lower Upper
117 100
82 57.9 44.7 67.1
119 31.6 26.2 39.4

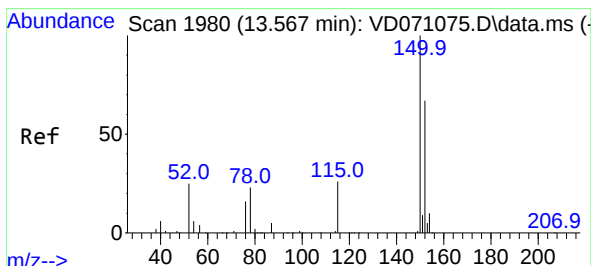
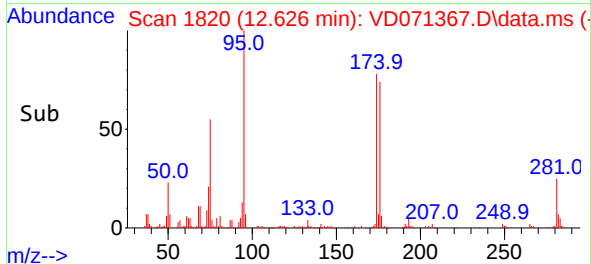
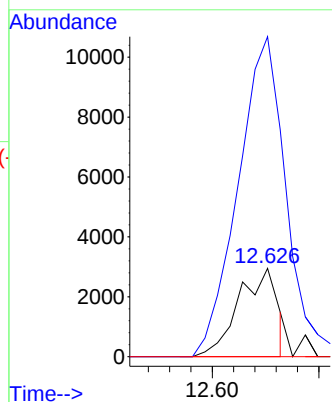
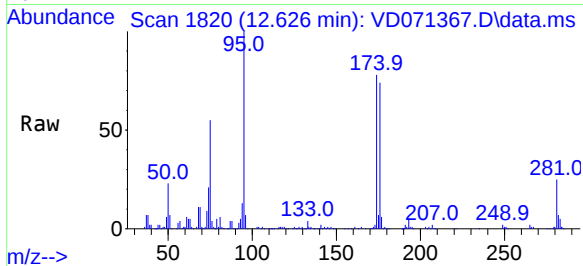




#71
Bromoform
Concen: 1.865 ug/l
RT: 12.626 min Scan# 1179
Delta R.T. 0.271 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

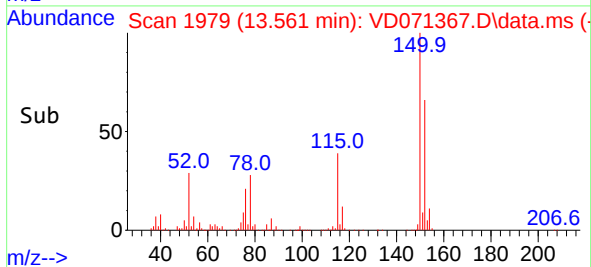
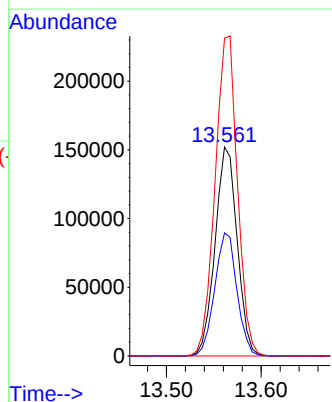
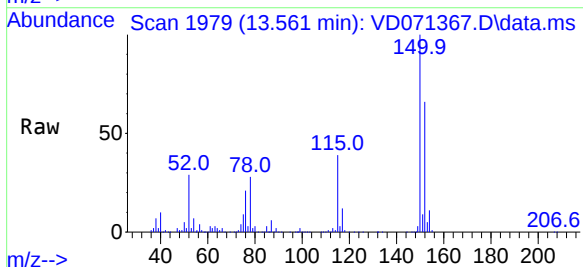
Instrument :
MSVOA_D
ClientSampleId :

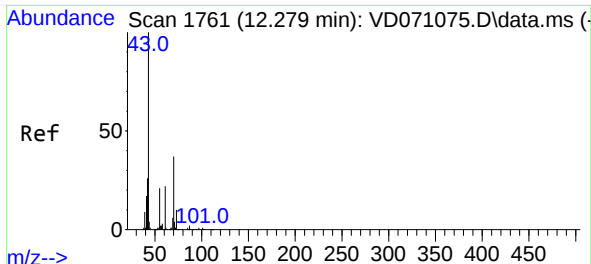
Tgt Ion:173 Resp: 3752
Ion Ratio Lower Upper
173 100
175 388.3 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

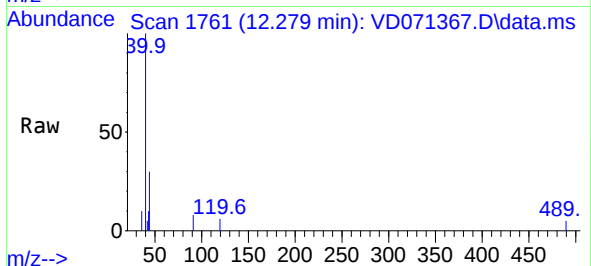
Tgt Ion:152 Resp: 246543
Ion Ratio Lower Upper
152 100
115 59.3 29.8 89.3
150 155.2 0.0 349.2



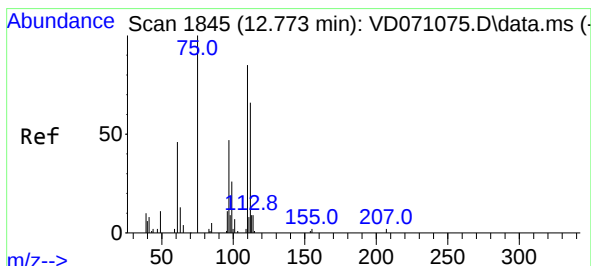
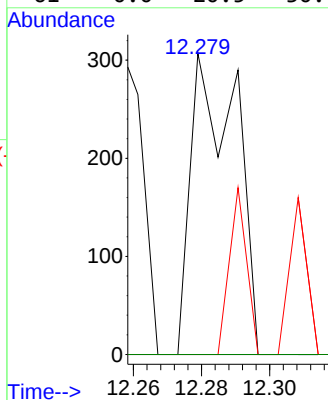
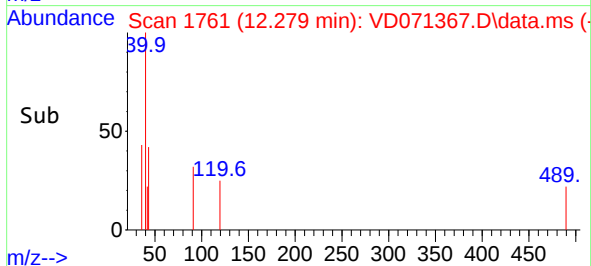


#74
N-amy1 acetate
Concen: 5.752 ug/l
RT: 12.279 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

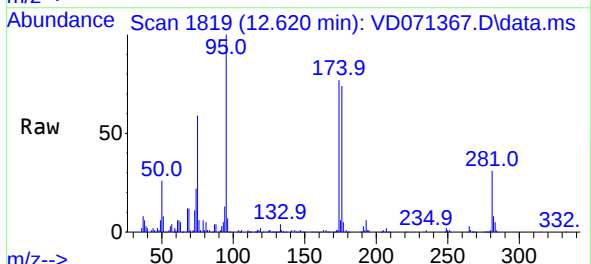
Instrument :
MSVOA_D
ClientSampleId :



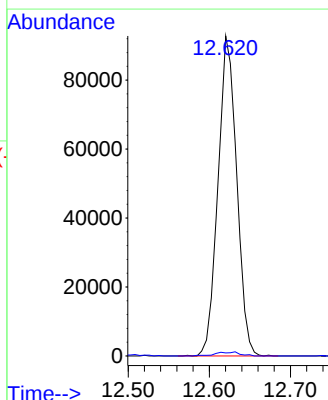
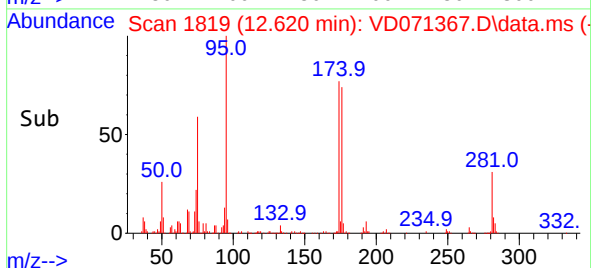
Tgt Ion: 43	Resp: 282
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#

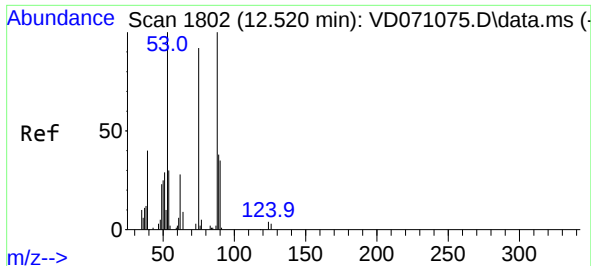


#76
1,2,3-Trichloropropane
Concen: 63.398 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10



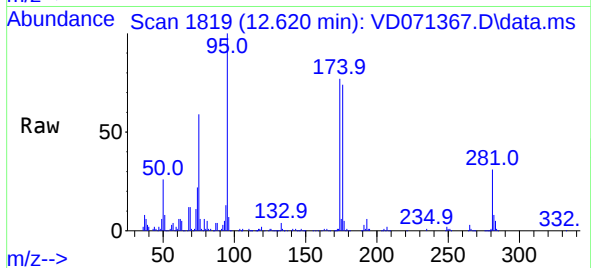
Tgt Ion: 75	Resp: 148920
Ion Ratio	Lower Upper
75 100	
77 1.6	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 136.935 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071367.D
Acq: 16 Dec 2021 15:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 148920
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.4 34.5 51.7#

