

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071369.D
 Acq On : 16 Dec 2021 16:07
 Operator : VA/SY
 Sample : M5111-02
 Misc : 5.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:50:04 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)

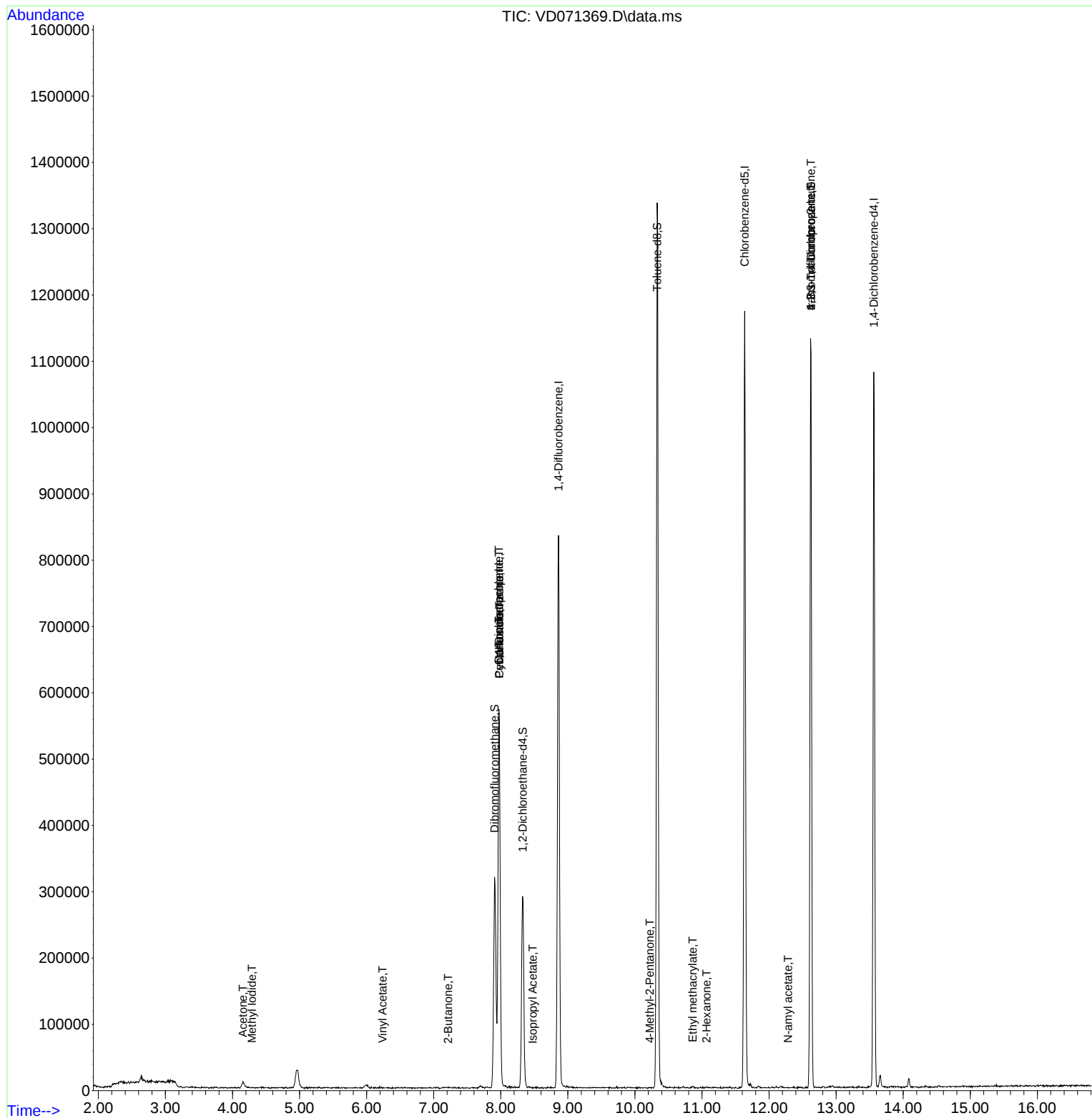
Internal Standards						
1) Pentafluorobenzene	7.979	168	390135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	679094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	610841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236861	51.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.480%			
35) Dibromofluoromethane	7.908	113	222802	51.522	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.040%			
50) Toluene-d8	10.332	98	865608	52.600	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.200%			
62) 4-Bromofluorobenzene	12.626	95	274637	48.144	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.280%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	57	4.572	ug/l #	40
11) Tert butyl alcohol	5.226	59	251	Below Cal	#	62
16) Acetone	4.155	43	15008	41.622	ug/l	94
23) Vinyl Acetate	6.238	43	67	27.226	ug/l #	72
25) 2-Butanone	7.214	43	729	28.819	ug/l #	45
31) Cyclohexane	7.979	56	10834	1.391	ug/l #	2
36) 1,1-Dichloropropene	7.973	75	36107	5.689	ug/l #	49
38) Carbon Tetrachloride	7.973	117	43388	6.935	ug/l #	18
41) Methacrylonitrile	7.526	41	141	Below Cal	#	40
43) Isopropyl Acetate	8.479	43	68	5.233	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	541	30.805	ug/l #	34
56) Ethyl methacrylate	10.861	69	55	5.981	ug/l #	1
59) 2-Hexanone	11.067	43	137	34.625	ug/l	99
74) N-amyl acetate	12.284	43	237	5.742	ug/l #	62
76) 1,2,3-Trichloropropane	12.626	75	155981	63.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	155981	137.524	ug/l #	19

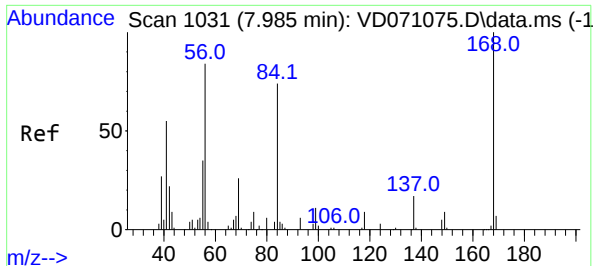
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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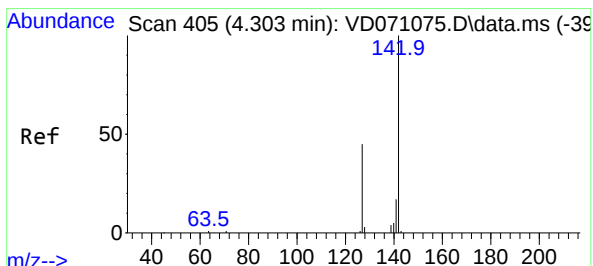
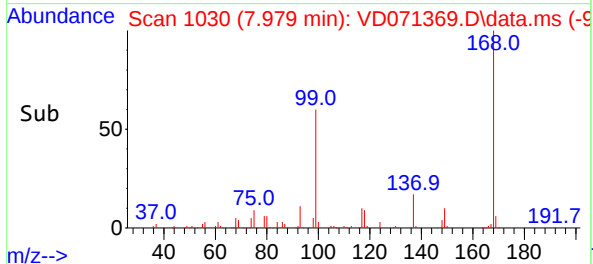
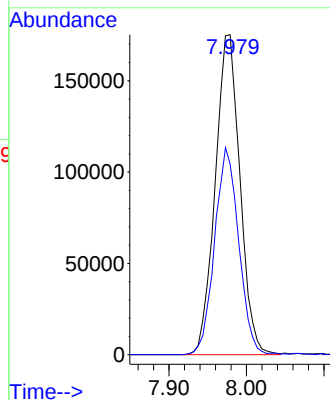
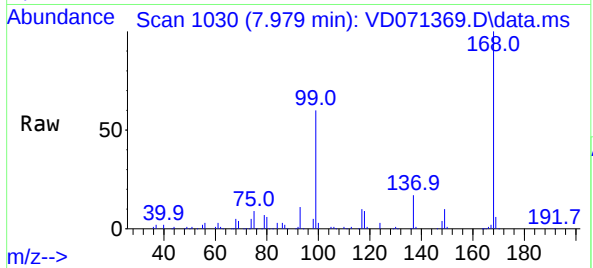




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

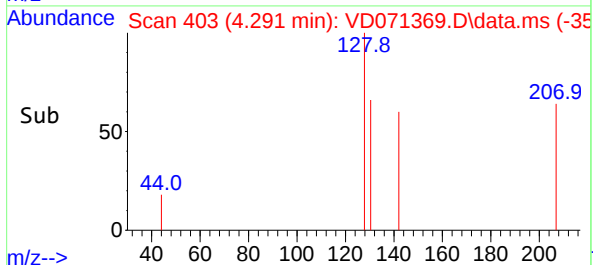
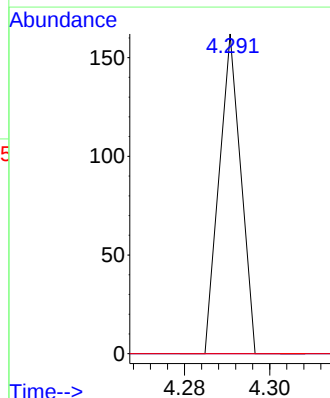
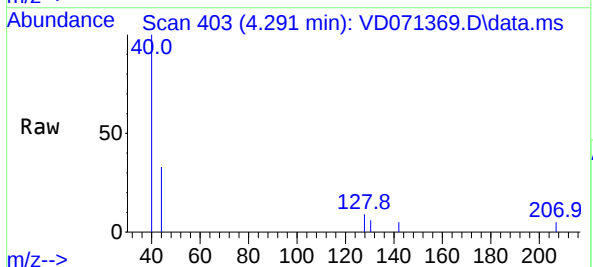
Instrument :
MSVOA_D
ClientSampleId :

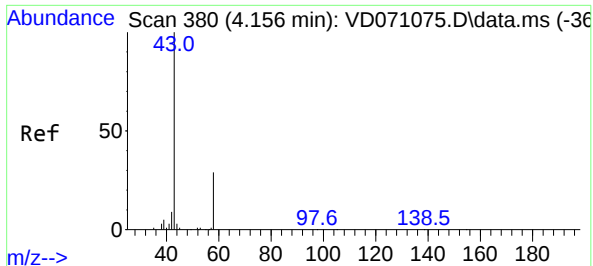
Tgt Ion:168 Resp: 390135
Ion Ratio Lower Upper
168 100
99 59.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.572 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#





#16

Acetone

Concen: 41.622 ug/l

RT: 4.155 min Scan# 31

Delta R.T. -0.001 min

Lab File: VD071369.D

Acq: 16 Dec 2021 16:07

Instrument :

MSVOA_D

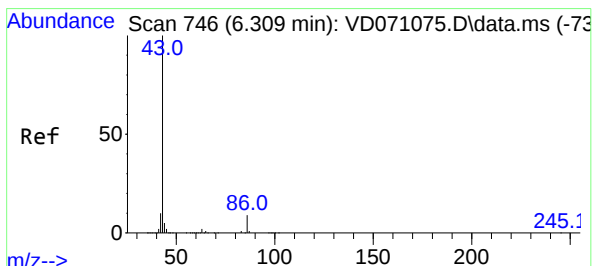
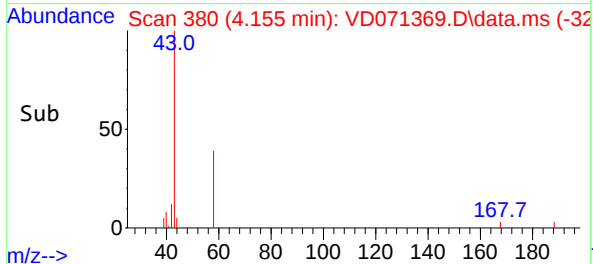
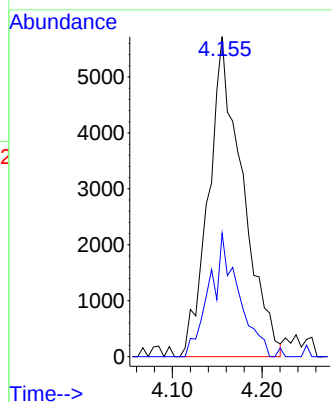
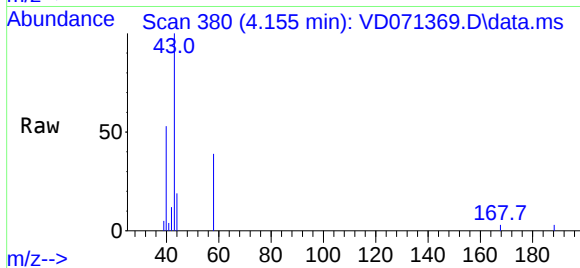
ClientSampleId :

Tgt Ion: 43 Resp: 15008

Ion Ratio Lower Upper

43 100

58 38.6 27.8 41.8



#23

Vinyl Acetate

Concen: 27.226 ug/l

RT: 6.238 min Scan# 734

Delta R.T. -0.071 min

Lab File: VD071369.D

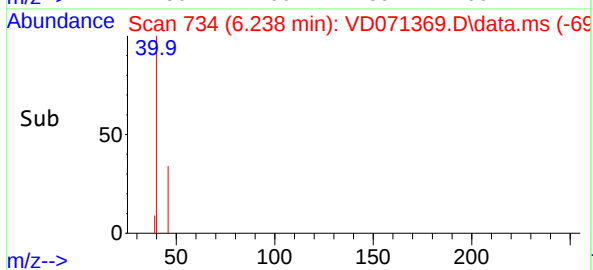
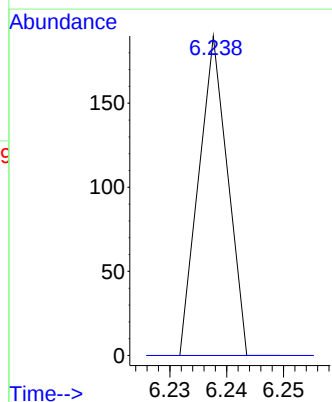
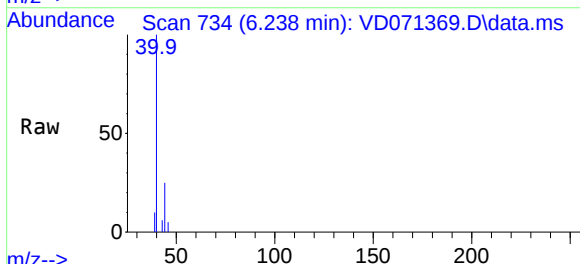
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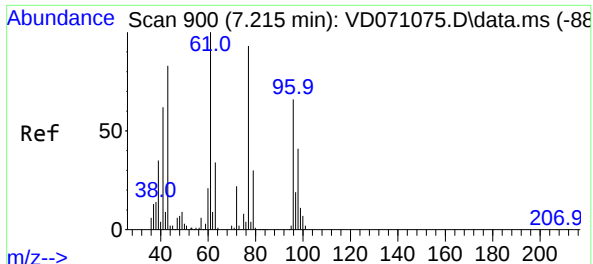
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

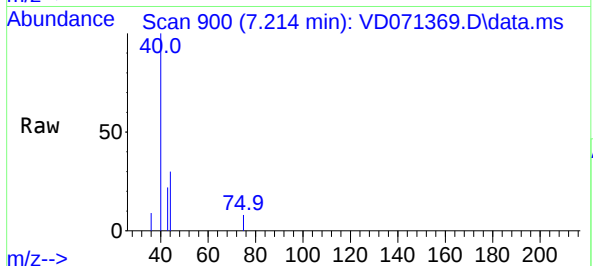
86 0.0 8.2 12.4#



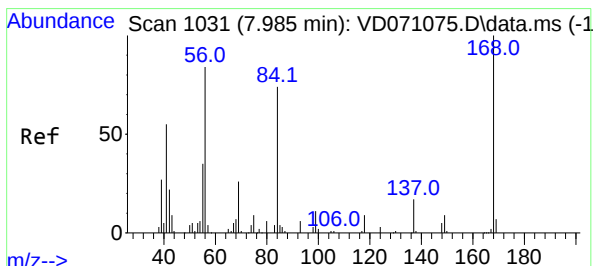
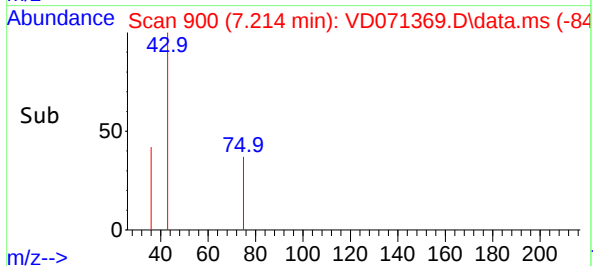
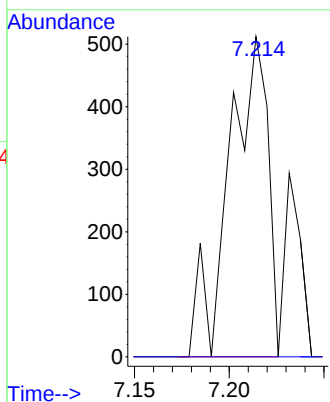


#25
2-Butanone
Concen: 28.819 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

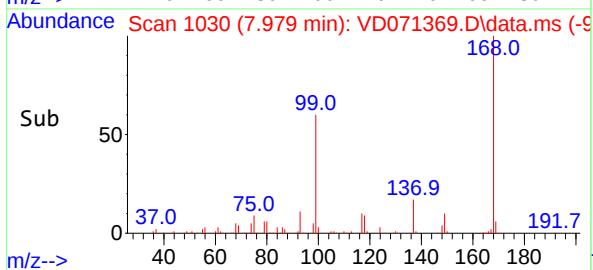
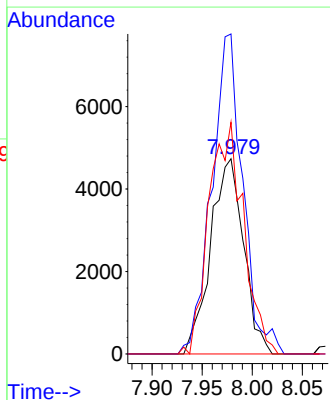
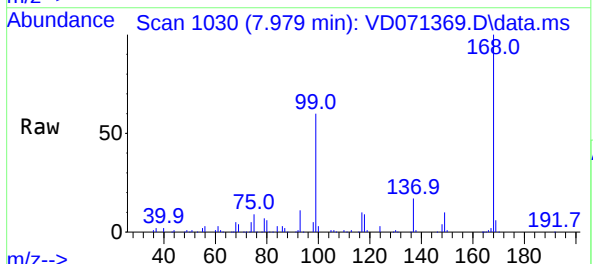


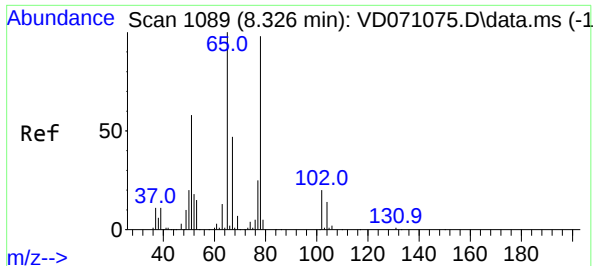
Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Tgt Ion: 56 Resp: 10834
Ion Ratio Lower Upper
56 100
69 163.9 25.9 38.9#
84 118.7 64.3 96.5#

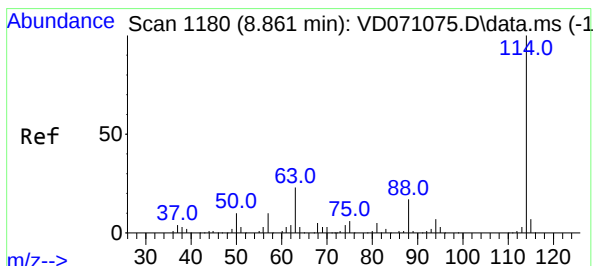
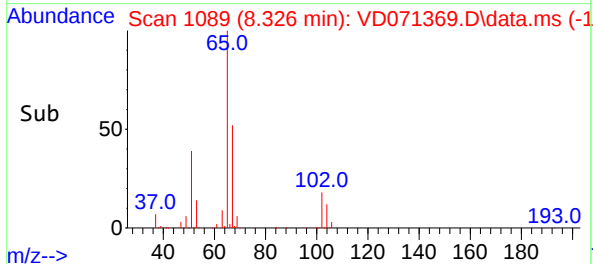
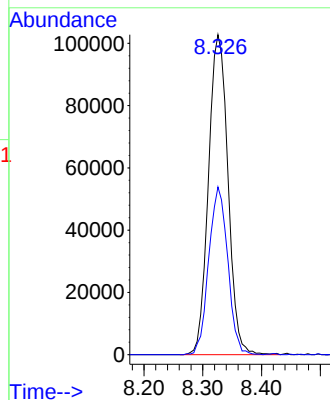
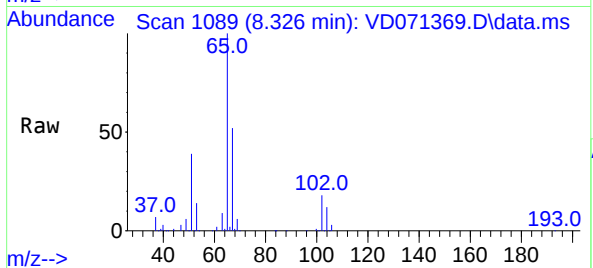




#33
1,2-Dichloroethane-d4
Concen: 51.741 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

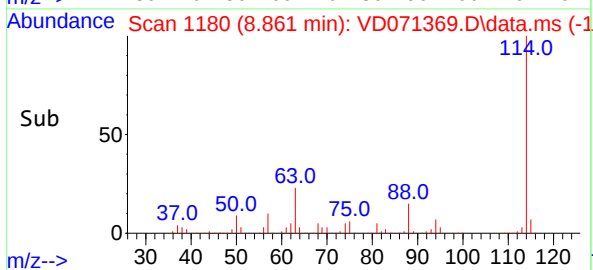
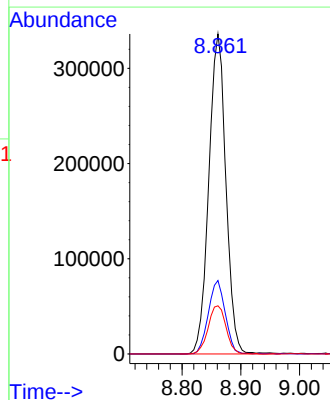
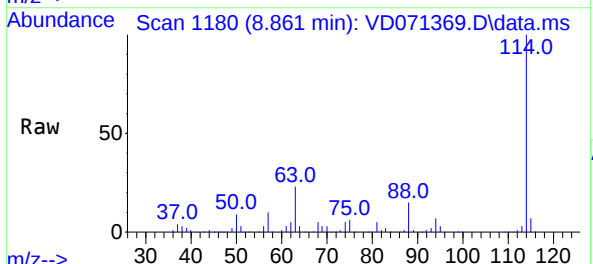
Instrument :
MSVOA_D
ClientSampleId :

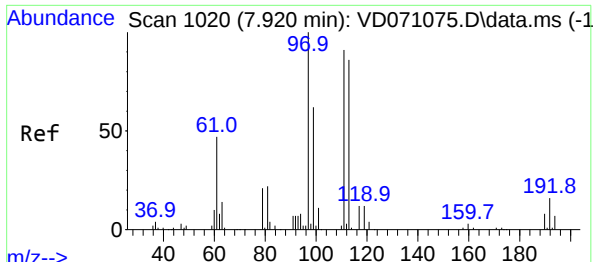
Tgt Ion: 65 Resp: 236861
Ion Ratio Lower Upper
65 100
67 51.1 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

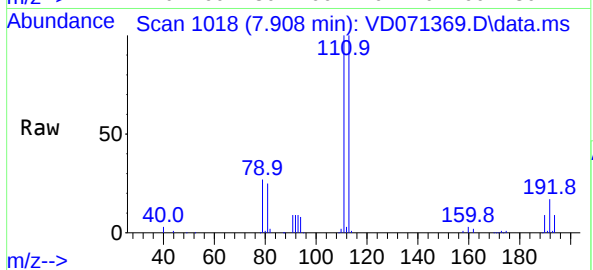
Tgt Ion: 114 Resp: 679094
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 15.1 0.0 32.8



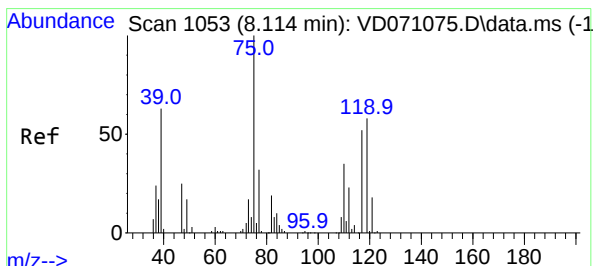
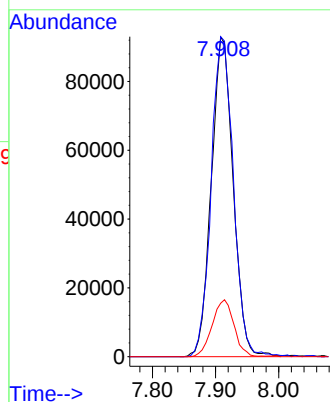
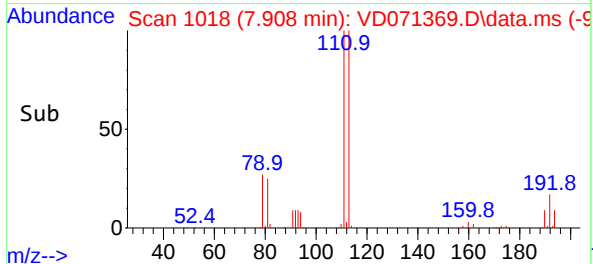


#35
Dibromofluoromethane
Concen: 51.522 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.012 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

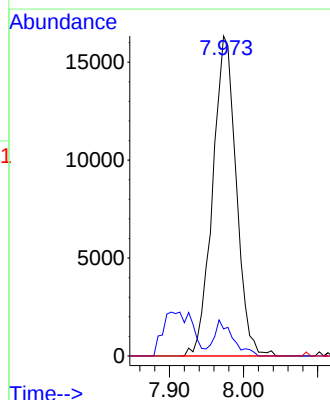
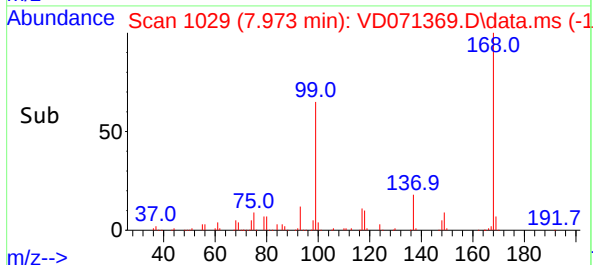
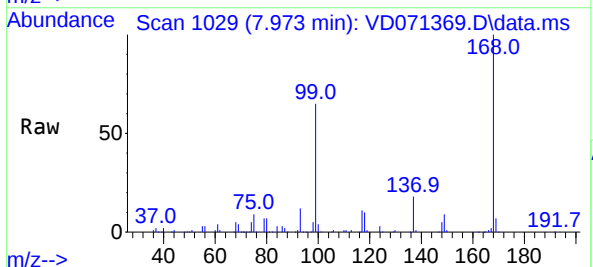


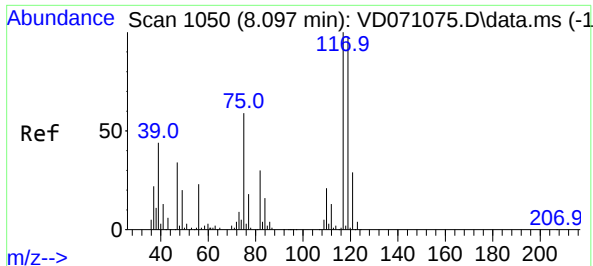
Tgt Ion:113 Resp: 222802
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 17.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.689 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

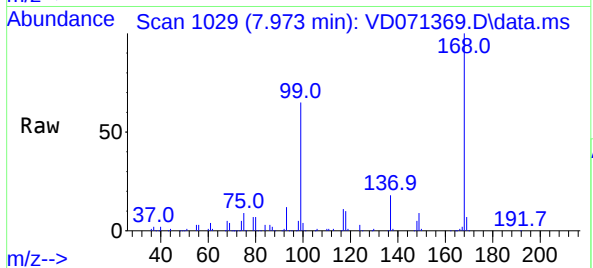
Tgt Ion: 75 Resp: 36107
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.4#
77 0.0 24.8 37.2#



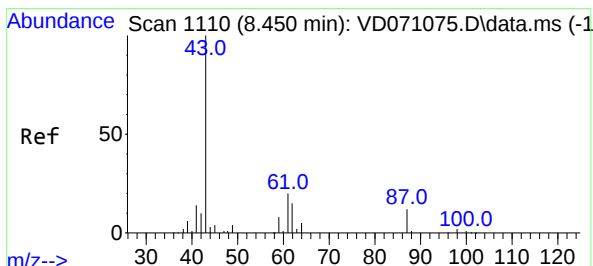
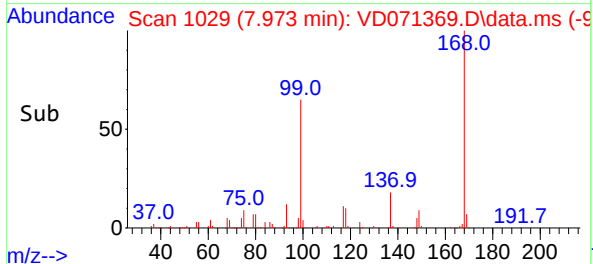
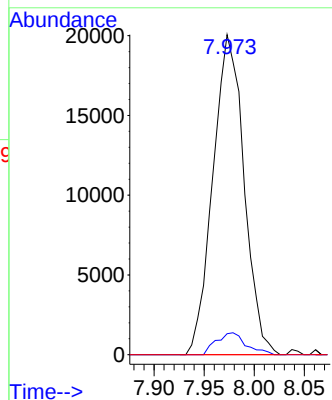


#38
Carbon Tetrachloride
Concen: 6.935 ug/l
RT: 7.973 min Scan# 1105
Delta R.T. -0.124 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Instrument :
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ClientSampleId :

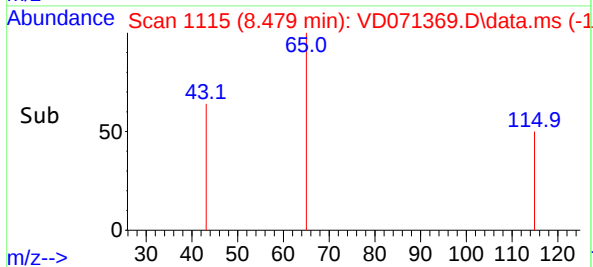
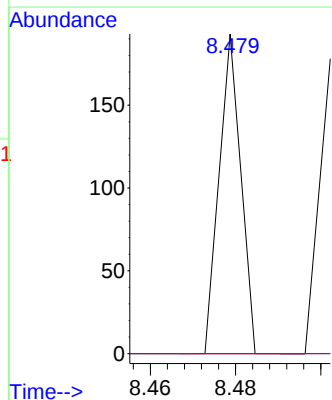
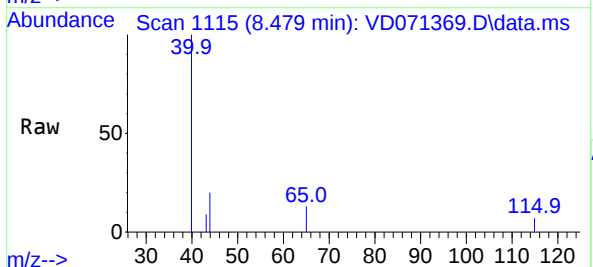


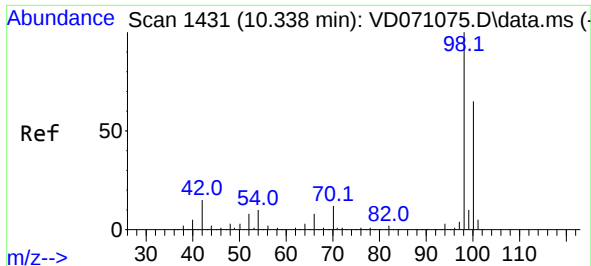
Tgt Ion:117 Resp: 43388
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.233 ug/l
RT: 8.479 min Scan# 1115
Delta R.T. 0.029 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

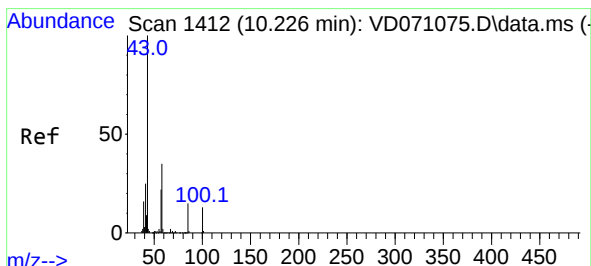
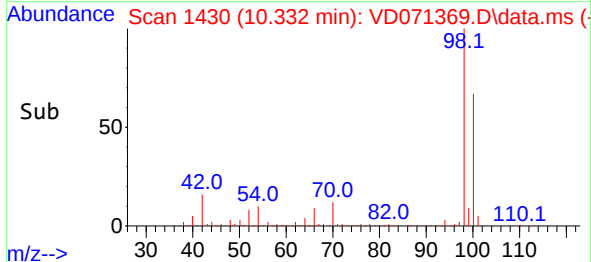
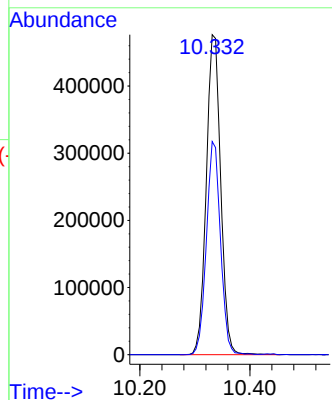
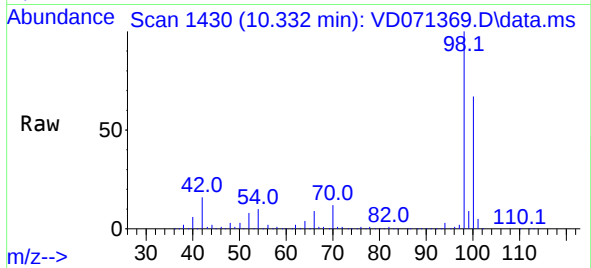




#50
Toluene-d8
Concen: 52.600 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

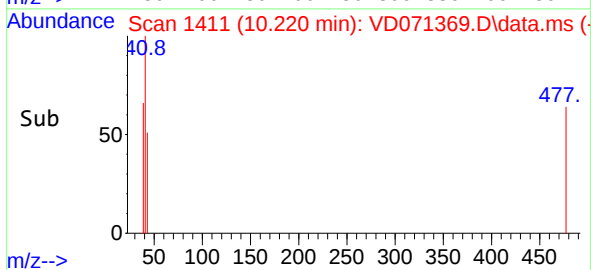
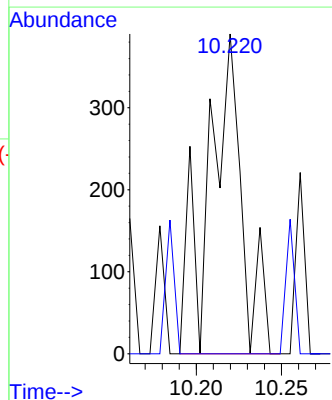
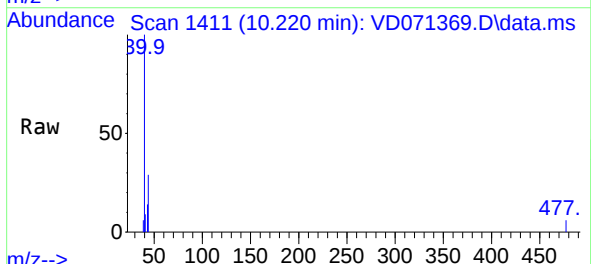
Instrument :
MSVOA_D
ClientSampleId :

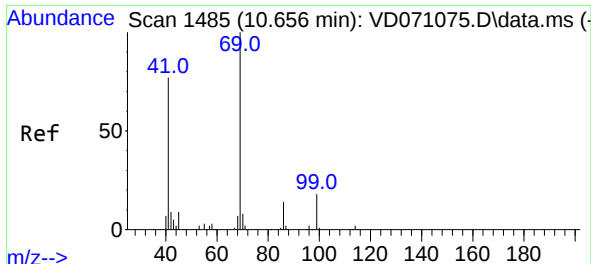
Tgt Ion: 98 Resp: 865608
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.805 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

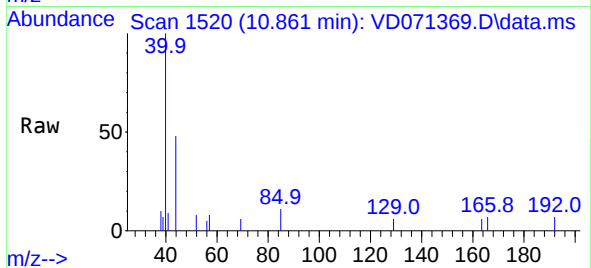
Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



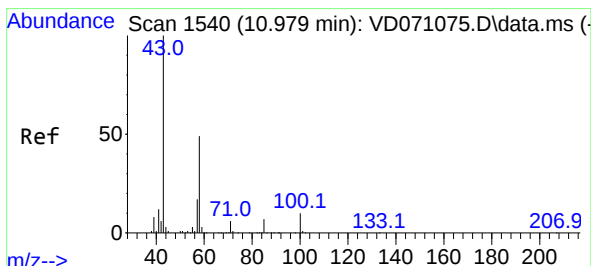
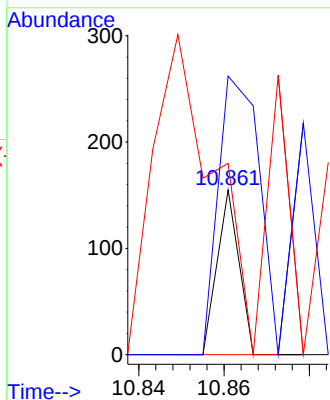
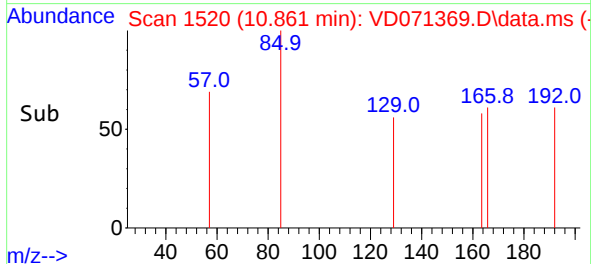


#56
Ethyl methacrylate
Concen: 5.981 ug/l
RT: 10.861 min Scan# 11
Delta R.T. 0.205 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

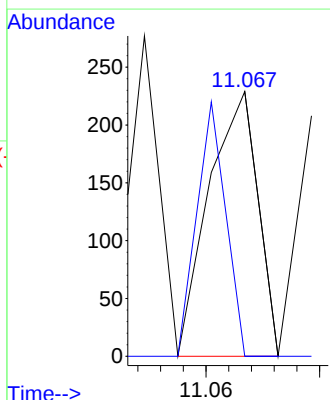
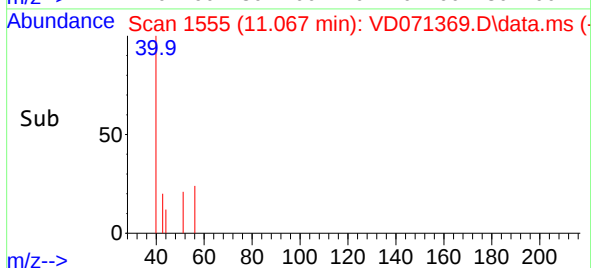
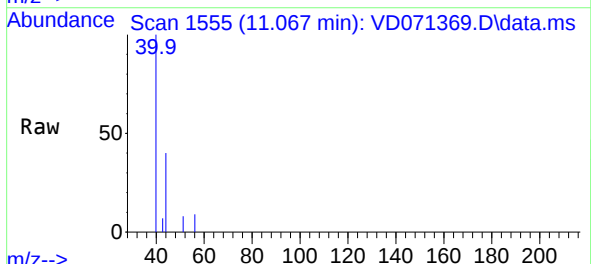


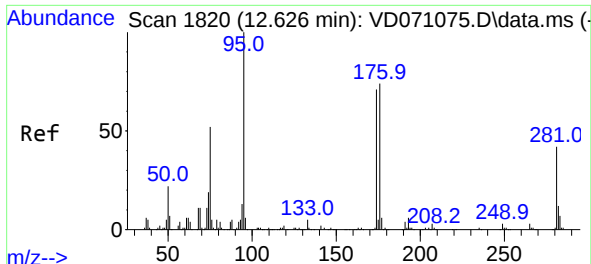
Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 458.2 50.2 75.2#
39 285.5 19.8 29.8#



#59
2-Hexanone
Concen: 34.625 ug/l
RT: 11.067 min Scan# 1555
Delta R.T. 0.088 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Tgt Ion: 43 Resp: 137
Ion Ratio Lower Upper
43 100
58 56.9 28.7 86.1

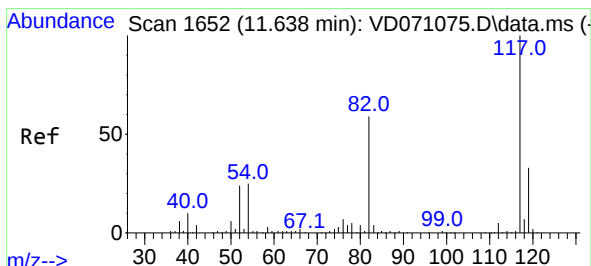
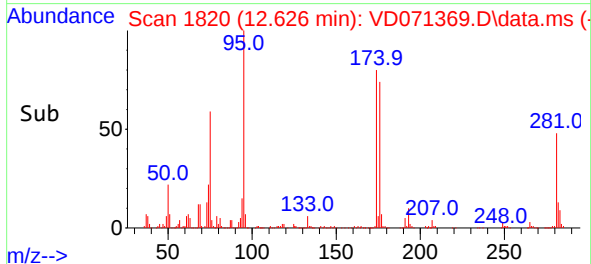
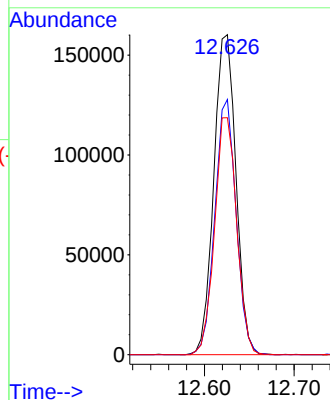
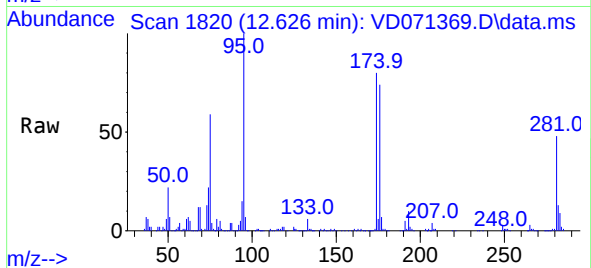




#62
4-Bromofluorobenzene
Concen: 48.144 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

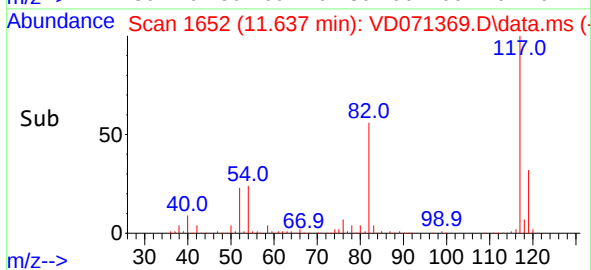
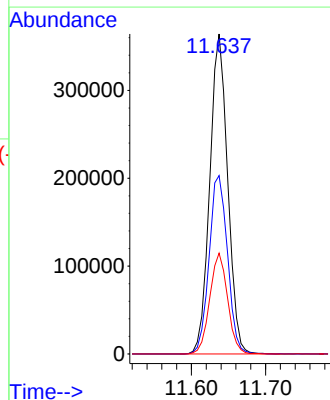
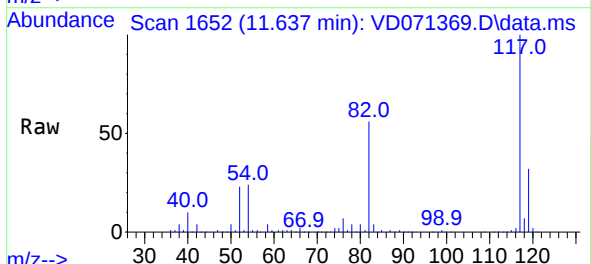
Instrument :
MSVOA_D
ClientSampleId :

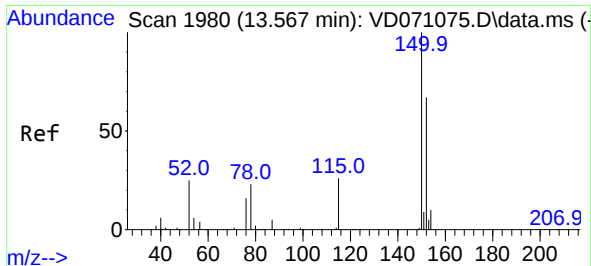
Tgt Ion: 95 Resp: 274637
Ion Ratio Lower Upper
95 100
174 76.7 0.0 159.4
176 74.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Tgt Ion: 117 Resp: 610841
Ion Ratio Lower Upper
117 100
82 55.7 44.7 67.1
119 31.5 26.2 39.4

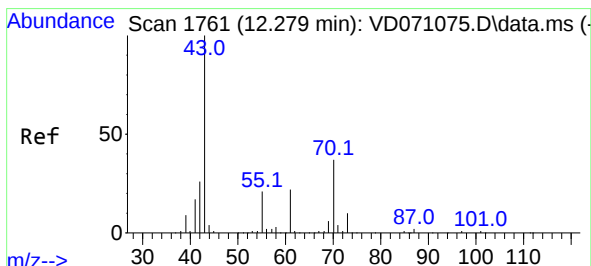
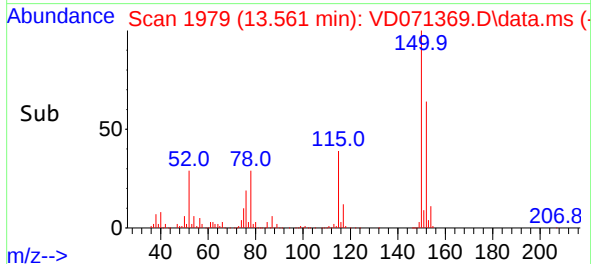
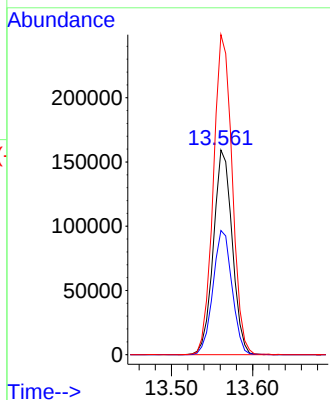
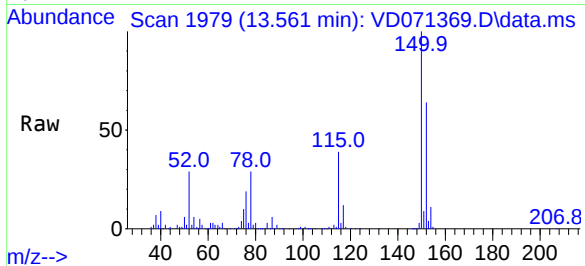




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

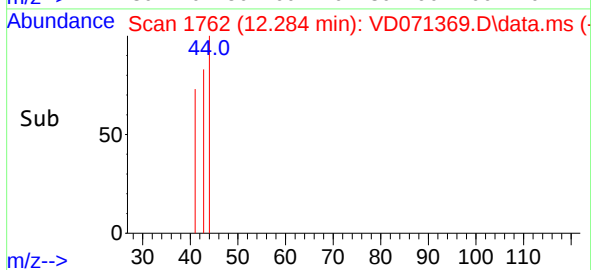
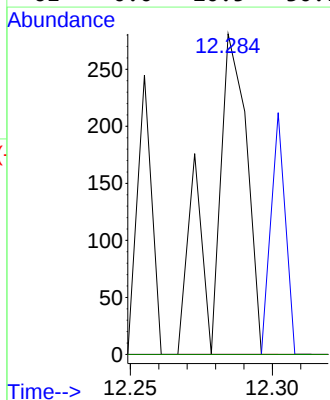
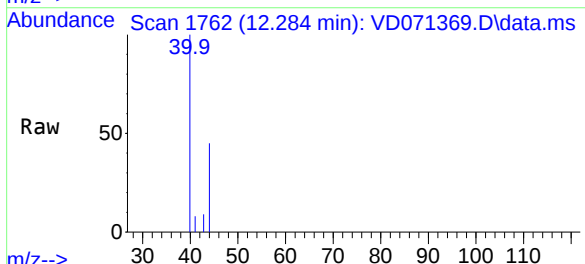
Instrument :
MSVOA_D
ClientSampleId :

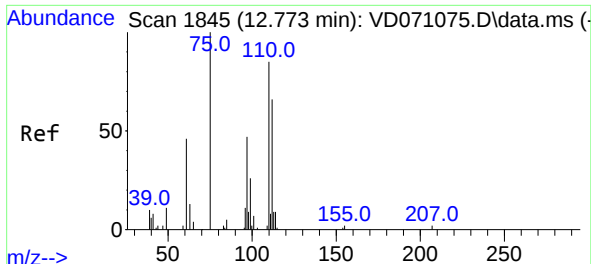
Tgt Ion:152 Resp: 257078
Ion Ratio Lower Upper
152 100
115 61.2 29.8 89.3
150 156.6 0.0 349.2



#74
N-ethyl acetate
Concen: 5.742 ug/l
RT: 12.284 min Scan# 1762
Delta R.T. 0.005 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
70 31.6 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

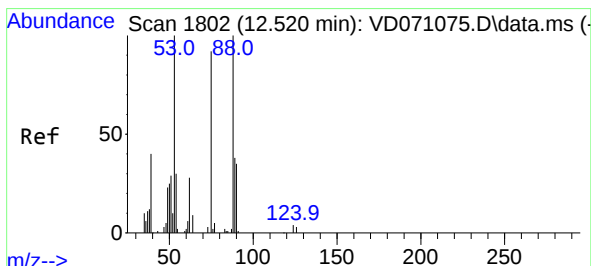
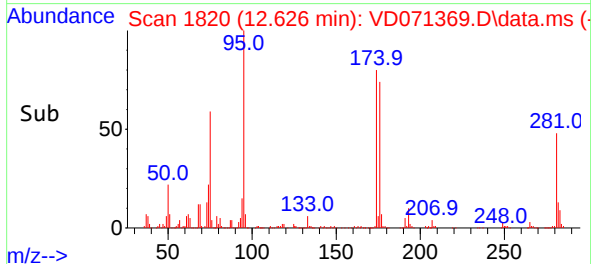
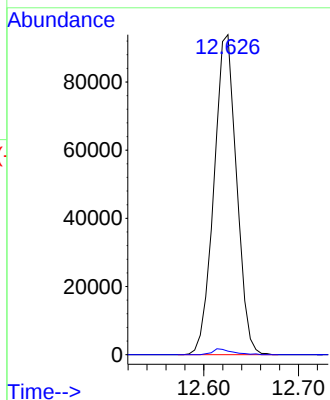
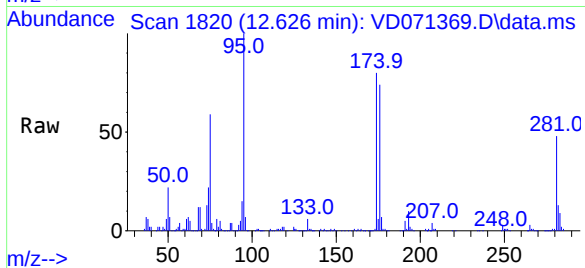




#76
1,2,3-Trichloropropane
Concen: 63.683 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 155981
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.524 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071369.D
Acq: 16 Dec 2021 16:07

Tgt Ion: 75 Resp: 155981
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.9 34.5 51.7#

