

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071403.D
 Acq On : 21 Dec 2021 10:19
 Operator : VA/SY
 Sample : VD1221SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 19:03:52 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

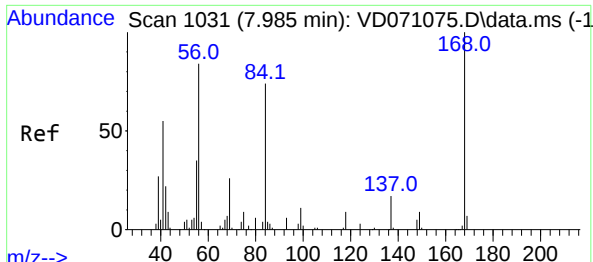
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	278254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	488222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	443599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	203188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	179947	55.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.220%			
35) Dibromofluoromethane	7.914	113	164814	53.013	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.338	98	564810	47.739	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.480%			
62) 4-Bromofluorobenzene	12.626	95	208982	50.957	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.920%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.297	142	177	4.610	ug/l #	79
11) Tert butyl alcohol	5.203	59	4168	Below Cal	#	71
16) Acetone	4.156	43	5344	36.201	ug/l #	82
20) Methylene Chloride	4.962	84	18473	1.561	ug/l #	79
23) Vinyl Acetate	6.303	43	392	27.284	ug/l #	72
25) 2-Butanone	7.214	43	425	28.735	ug/l #	45
31) Cyclohexane	7.967	56	11238	2.024	ug/l #	29
38) Carbon Tetrachloride	7.979	117	31150	6.925	ug/l #	18
41) Methacrylonitrile	7.567	41	643	Below Cal	#	24
43) Isopropyl Acetate	8.450	43	1803	5.595	ug/l #	56
51) 4-Methyl-2-Pentanone	10.220	43	1293	31.162	ug/l #	75
56) Ethyl methacrylate	10.650	69	170	6.017	ug/l #	1
59) 2-Hexanone	10.944	43	1806	35.503	ug/l #	22
71) Bromoform	12.626	173	2459	1.579	ug/l #	1
74) N-amyl acetate	12.249	43	1398	6.009	ug/l #	46
76) 1,2,3-Trichloropropane	12.626	75	114488	59.140	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	114488	128.125	ug/l #	18

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

Quant Time: Dec 21 19:03:52 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

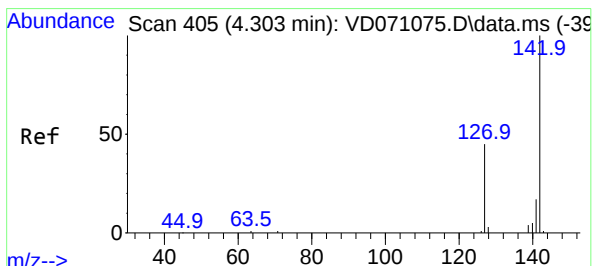
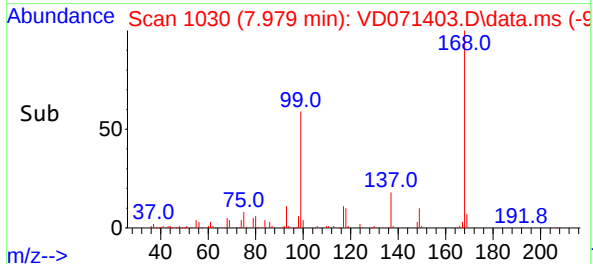
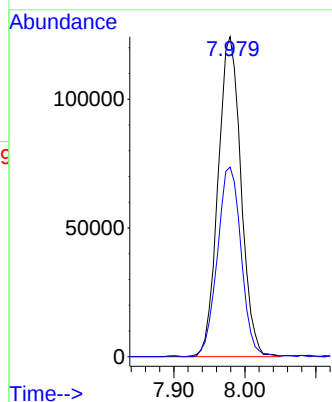
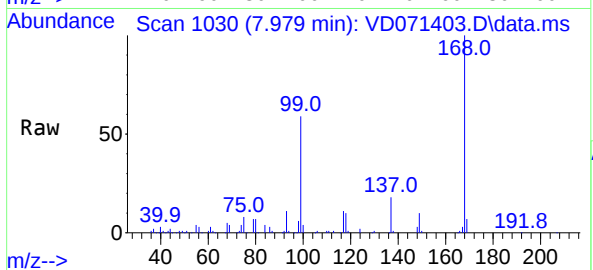




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

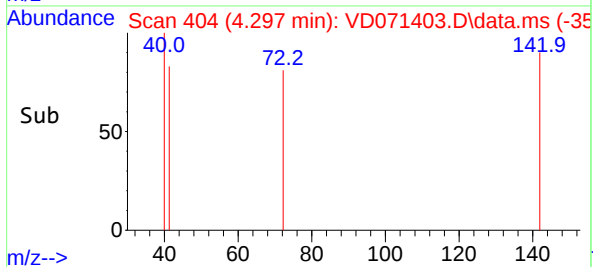
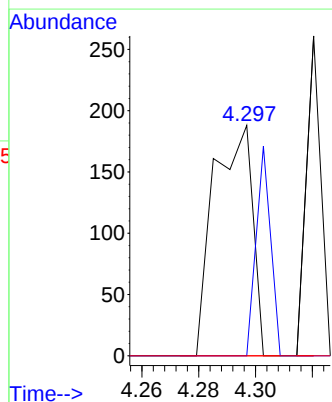
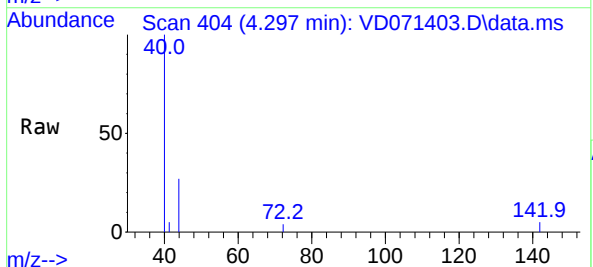
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 278254
Ion Ratio Lower Upper
168 100
99 59.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.610 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Tgt Ion:142 Resp: 177
Ion Ratio Lower Upper
142 100
127 33.9 35.0 52.4#
141 0.0 12.0 18.0#

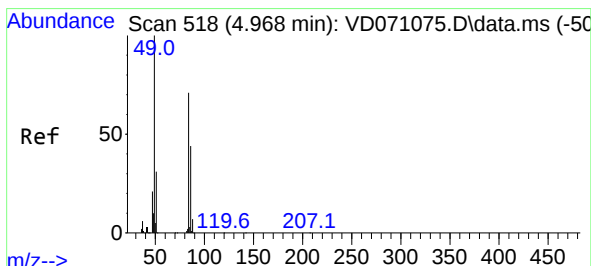
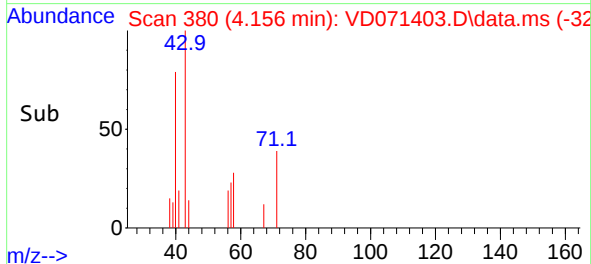
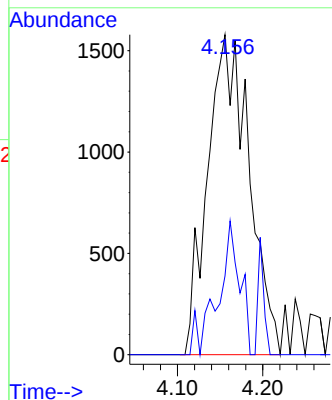
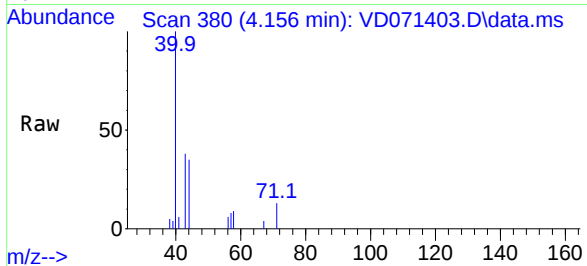




#16
Acetone
Concen: 36.201 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

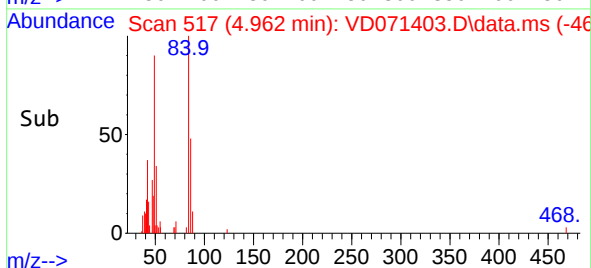
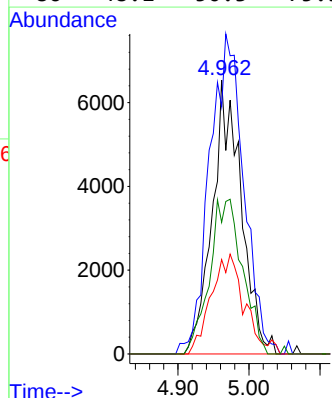
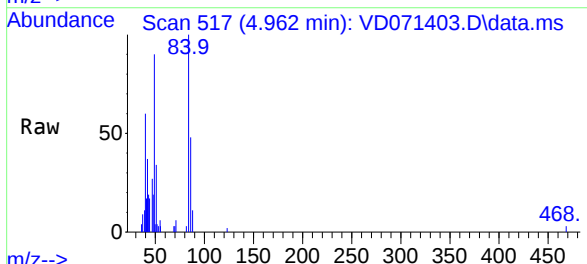
Instrument :
MSVOA_D
ClientSampleId :

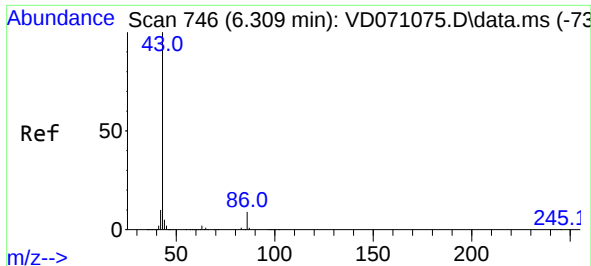
Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
58 24.6 27.8 41.8#



#20
Methylene Chloride
Concen: 1.561 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Tgt Ion: 84 Resp: 18473
Ion Ratio Lower Upper
84 100
49 90.3 95.8 143.6#
51 34.5 30.9 46.3
86 48.1 50.3 75.5#

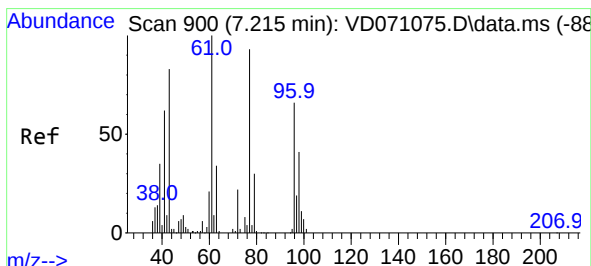
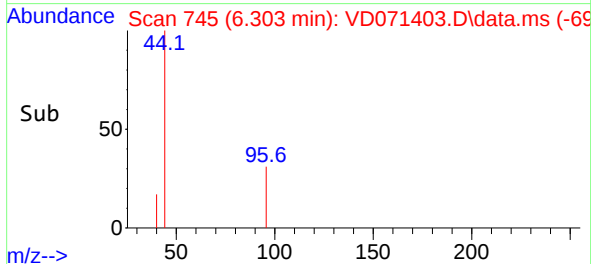
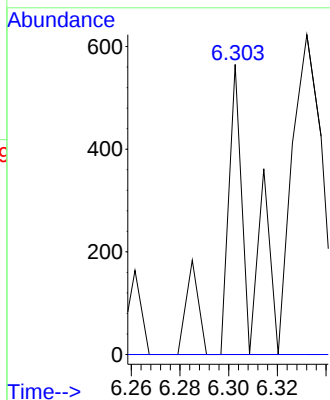
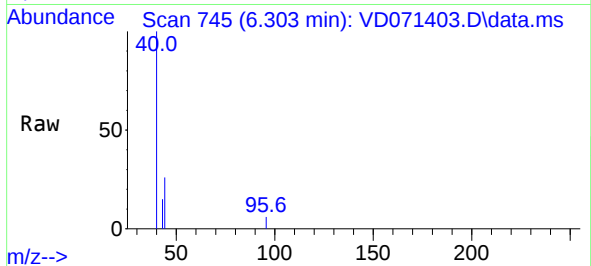




#23
 Vinyl Acetate
 Concen: 27.284 ug/l
 RT: 6.303 min Scan# 746
 Delta R.T. -0.006 min
 Lab File: VD071403.D
 Acq: 21 Dec 2021 10:19

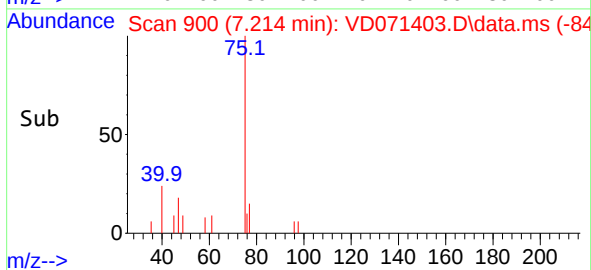
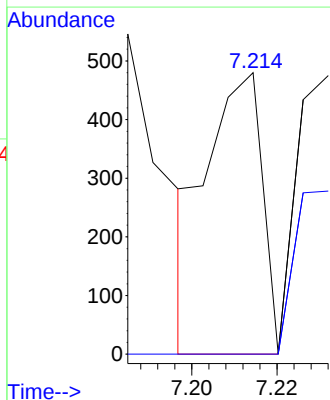
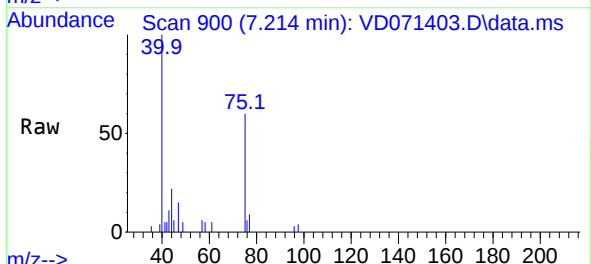
Instrument :
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 ClientSampleId :

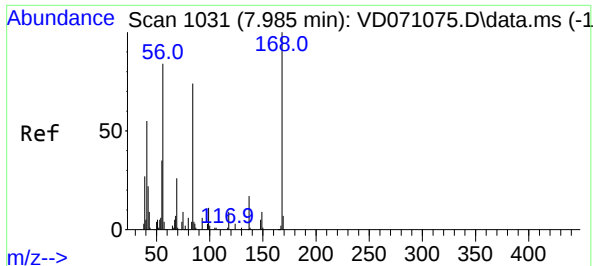
Tgt Ion: 43 Resp: 392
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.735 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071403.D
 Acq: 21 Dec 2021 10:19

Tgt Ion: 43 Resp: 425
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#

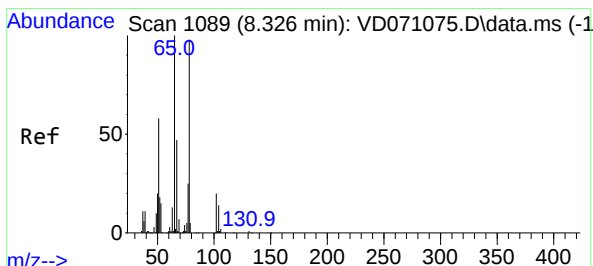
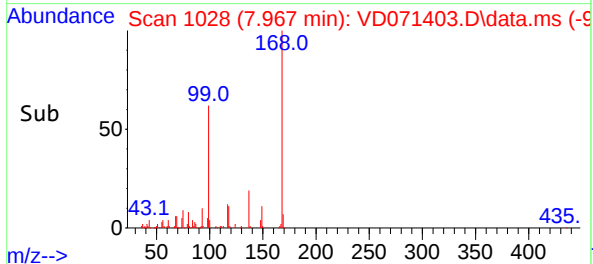
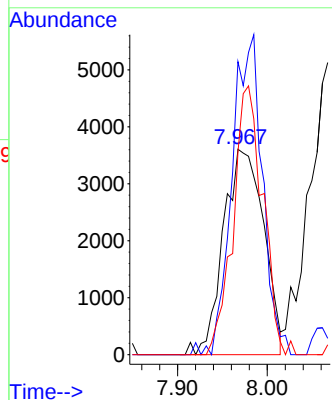
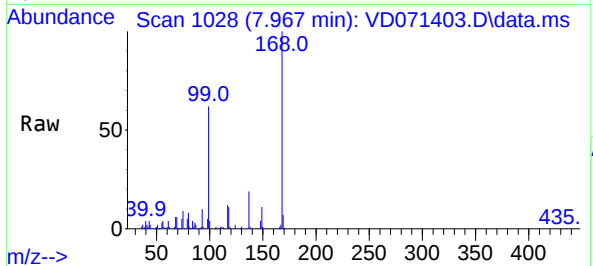




#31
Cyclohexane
Concen: 2.024 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

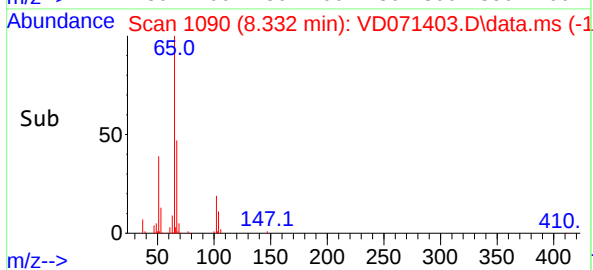
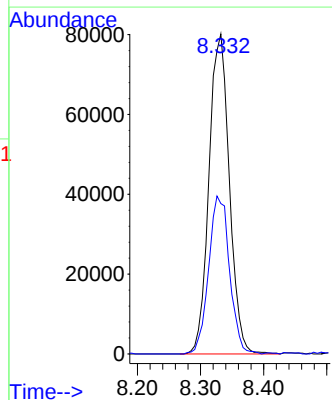
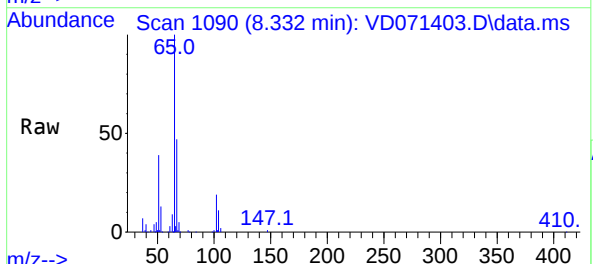
Instrument :
MSVOA_D
ClientSampleId :

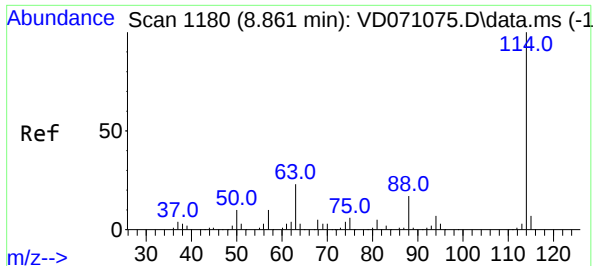
Tgt Ion: 56 Resp: 11238
Ion Ratio Lower Upper
56 100
69 142.6 25.9 38.9#
84 98.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 55.114 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Tgt Ion: 65 Resp: 179947
Ion Ratio Lower Upper
65 100
67 50.6 0.0 112.2

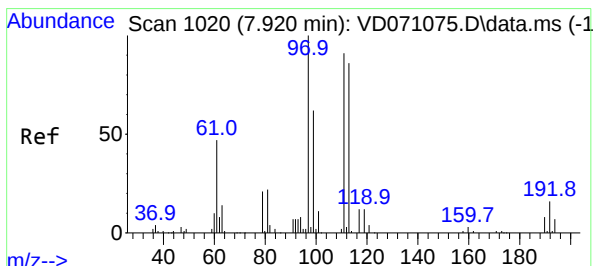
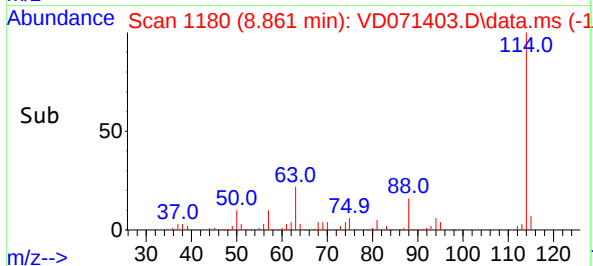
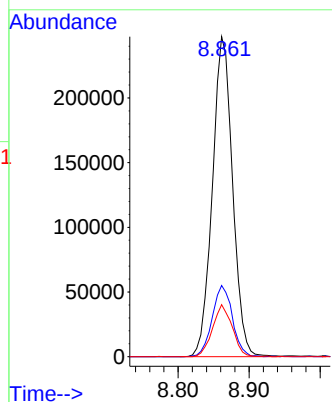
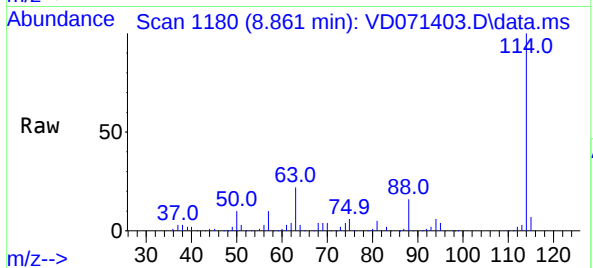




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

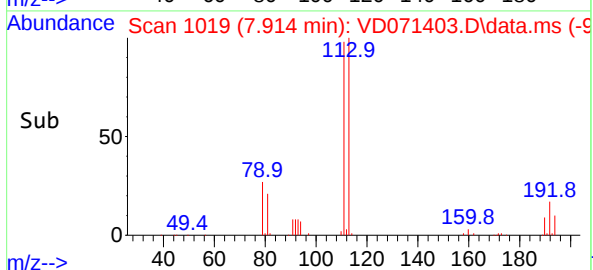
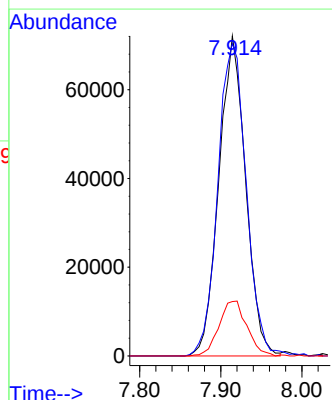
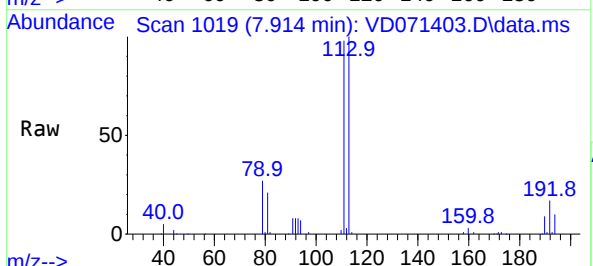
Instrument :
MSVOA_D
ClientSampleId :

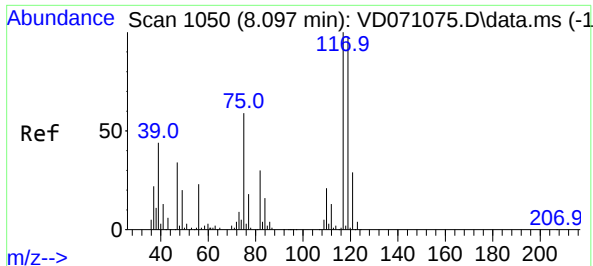
Tgt Ion:114 Resp: 488222
Ion Ratio Lower Upper
114 100
63 22.3 0.0 41.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.013 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

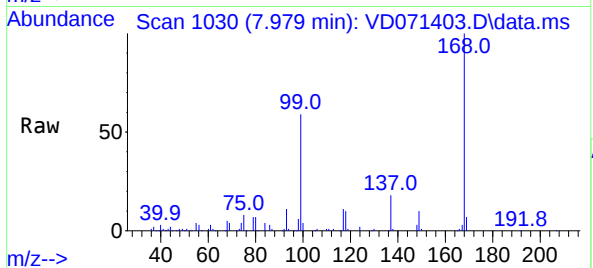
Tgt Ion:113 Resp: 164814
Ion Ratio Lower Upper
113 100
111 104.1 82.0 123.0
192 18.0 15.2 22.8



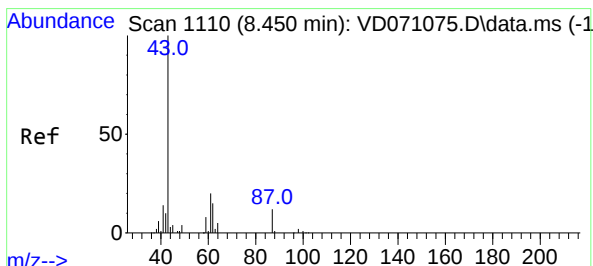
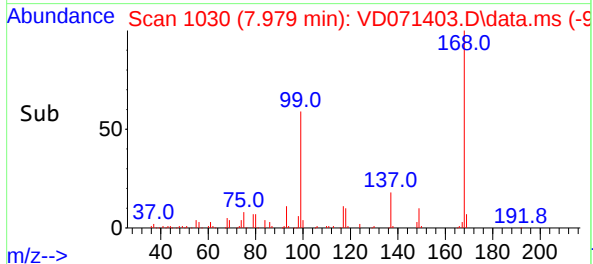
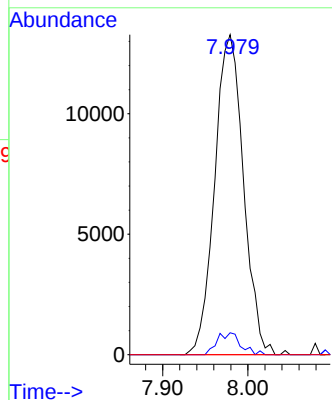


#38
Carbon Tetrachloride
Concen: 6.925 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Instrument :
MSVOA_D
ClientSampleId :

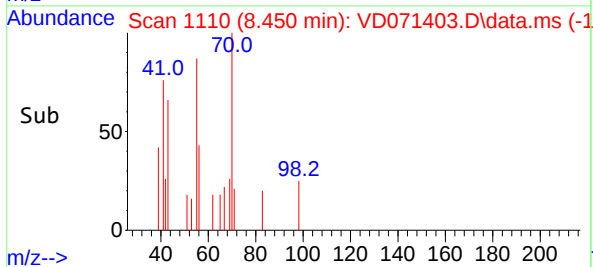
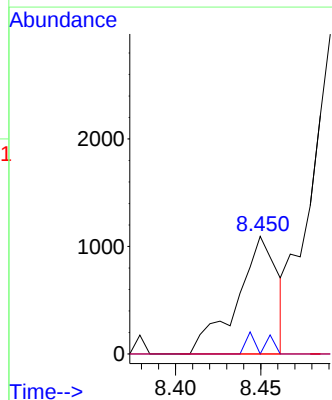
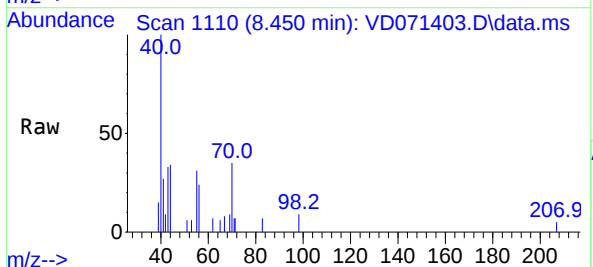


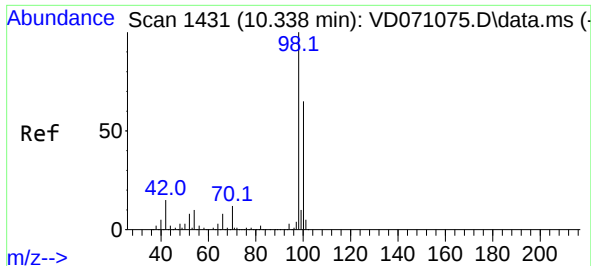
Tgt Ion:117 Resp: 31150
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.595 ug/l
RT: 8.450 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Tgt Ion: 43 Resp: 1803
Ion Ratio Lower Upper
43 100
61 7.5 28.2 42.4#
87 0.0 10.7 16.1#

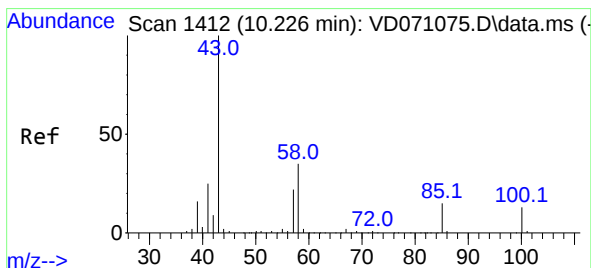
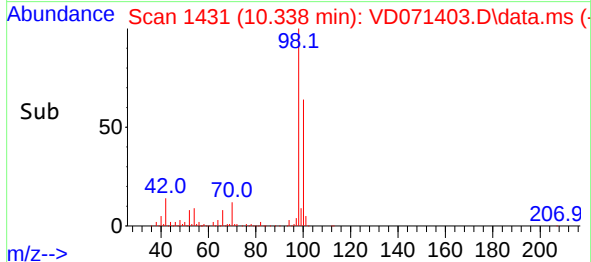
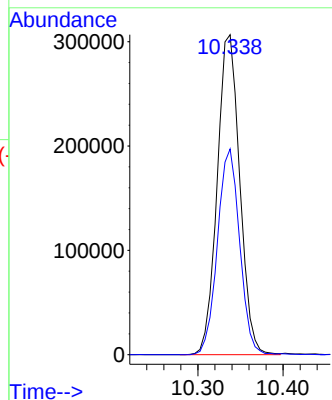
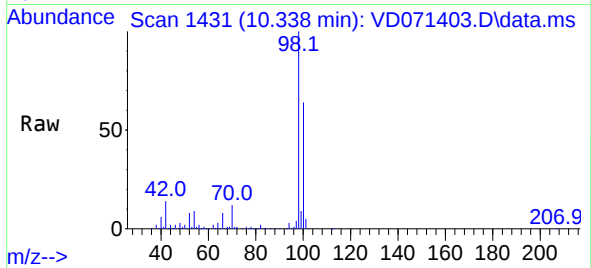




#50
Toluene-d8
Concen: 47.739 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

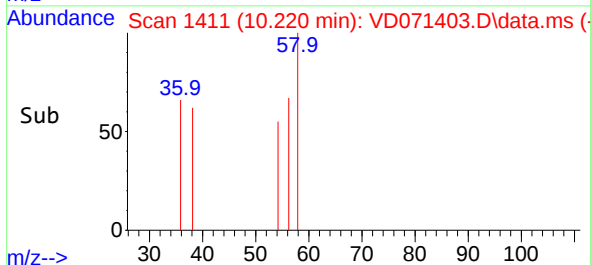
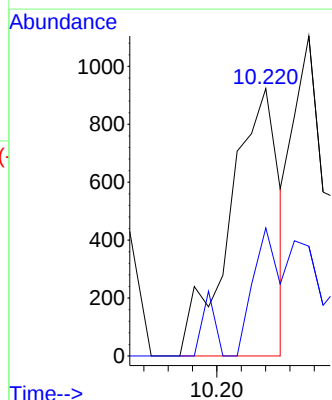
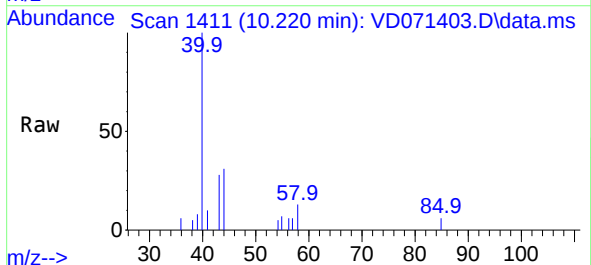
Instrument :
MSVOA_D
ClientSampleId :

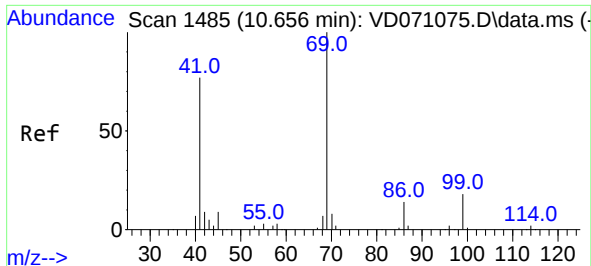
Tgt Ion: 98 Resp: 564810
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.162 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

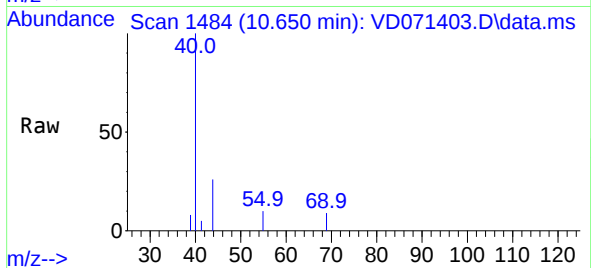
Tgt Ion: 43 Resp: 1293
Ion Ratio Lower Upper
43 100
58 25.6 33.1 49.7#



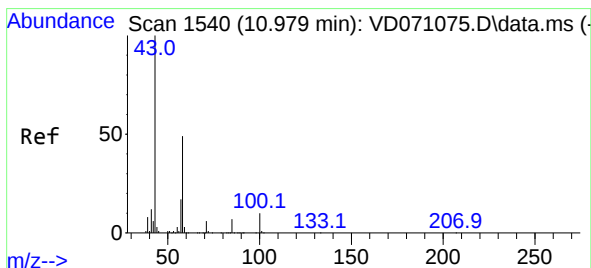
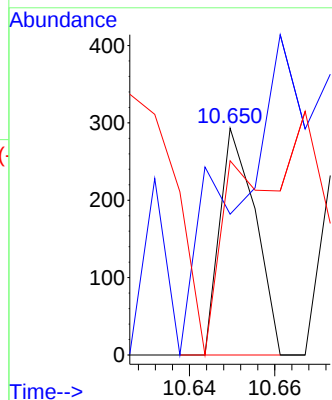
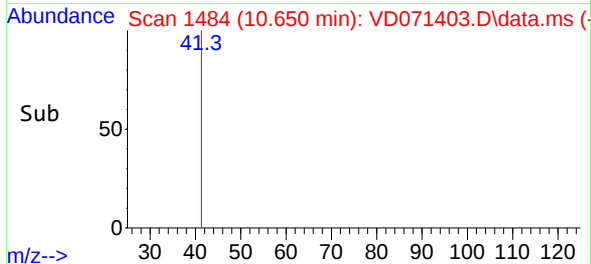


#56
Ethyl methacrylate
Concen: 6.017 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.007 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Instrument :
MSVOA_D
ClientSampleId :

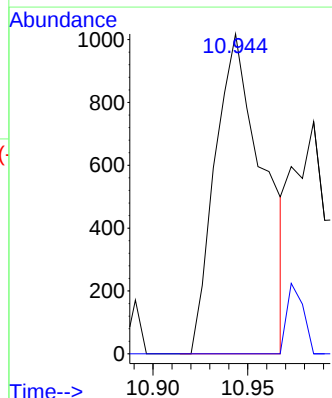
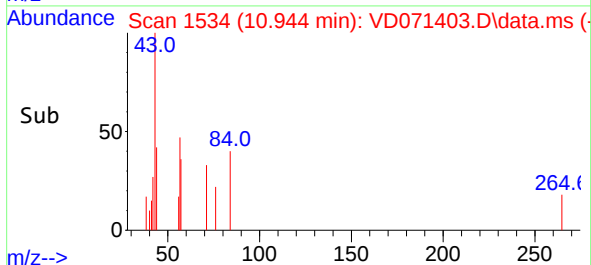
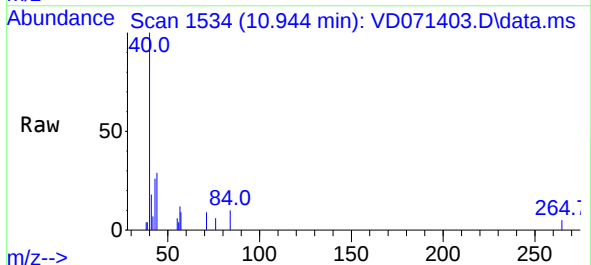


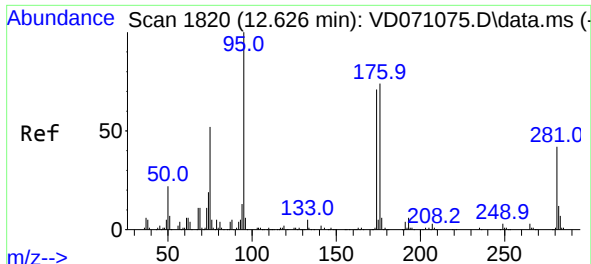
Tgt Ion: 69 Resp: 170
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 241.2 19.8 29.8#



#59
2-Hexanone
Concen: 35.503 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Tgt Ion: 43 Resp: 1806
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

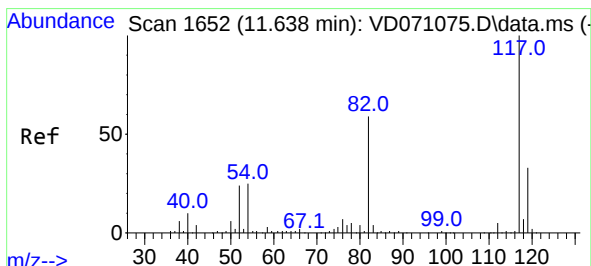
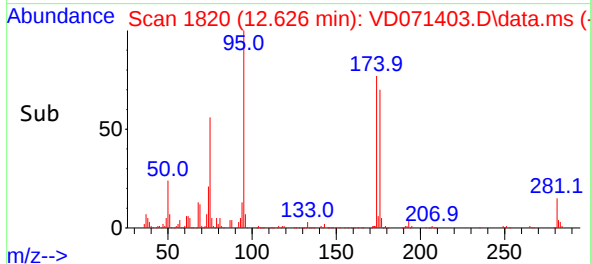
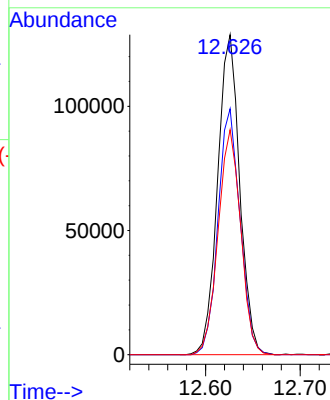
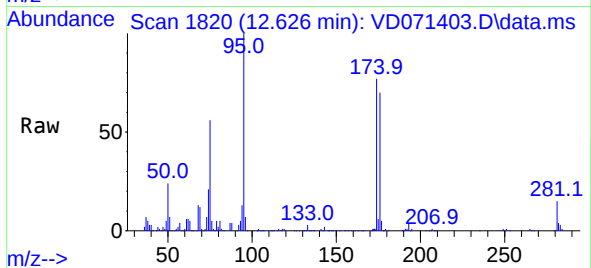




#62
4-Bromofluorobenzene
Concen: 50.957 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

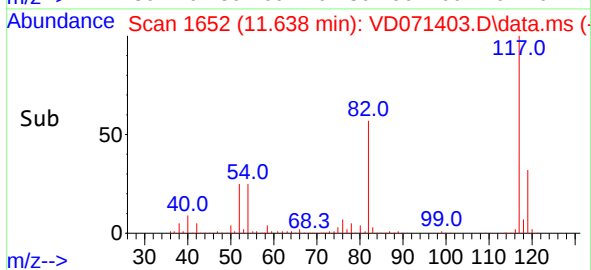
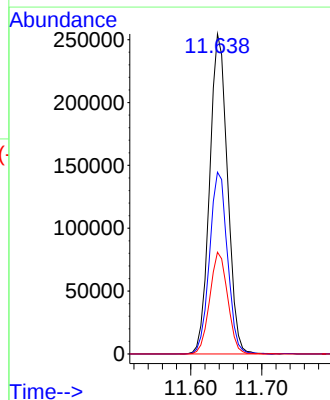
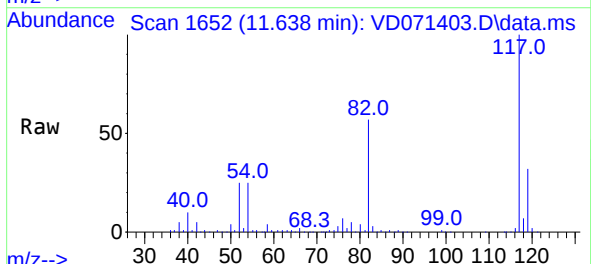
Instrument :
MSVOA_D
ClientSampleId :

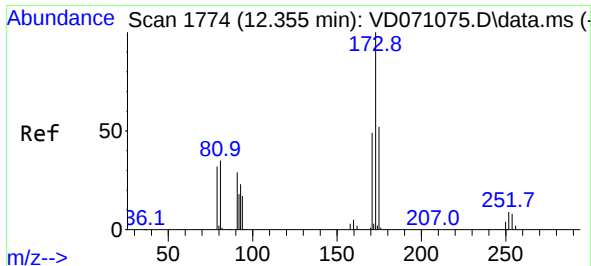
Tgt Ion: 95 Resp: 208982
Ion Ratio Lower Upper
95 100
174 76.6 0.0 159.4
176 71.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Tgt Ion: 117 Resp: 443599
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 31.8 26.2 39.4

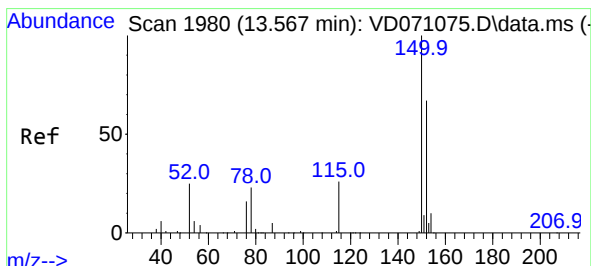
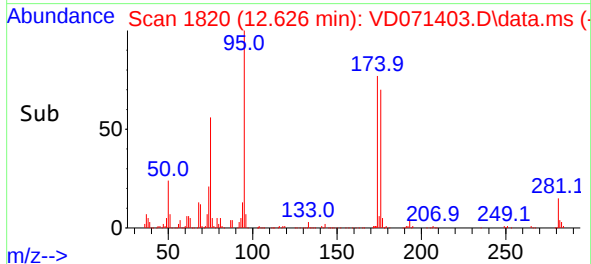
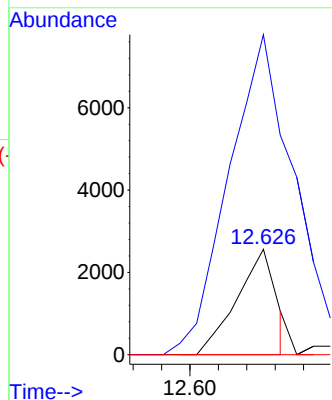
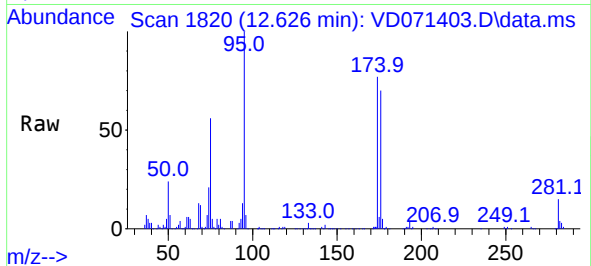




#71
Bromoform
Concen: 1.579 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

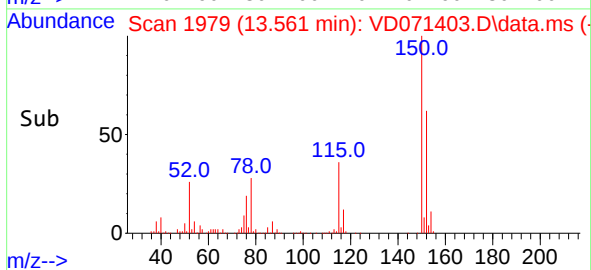
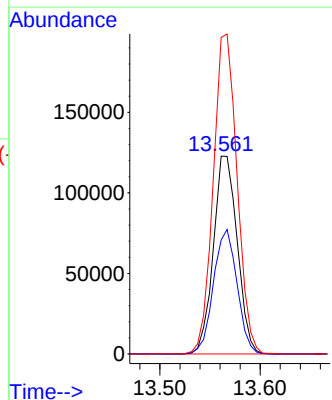
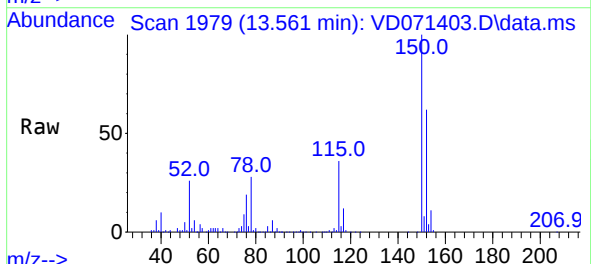
Instrument :
MSVOA_D
ClientSampleId :

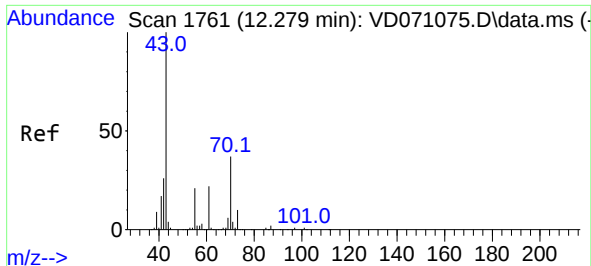
Tgt Ion:173 Resp: 2459
Ion Ratio Lower Upper
173 100
175 395.2 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

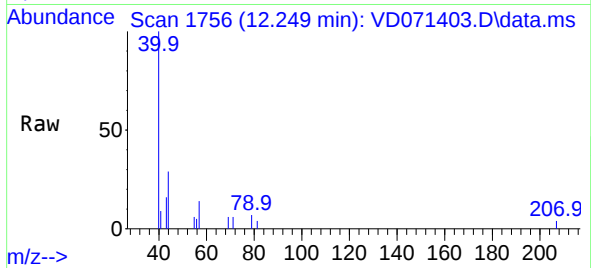
Tgt Ion:152 Resp: 203188
Ion Ratio Lower Upper
152 100
115 62.2 29.8 89.3
150 161.2 0.0 349.2



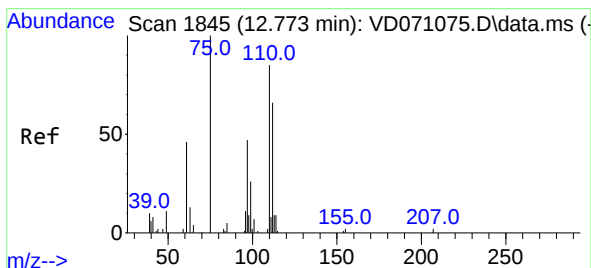
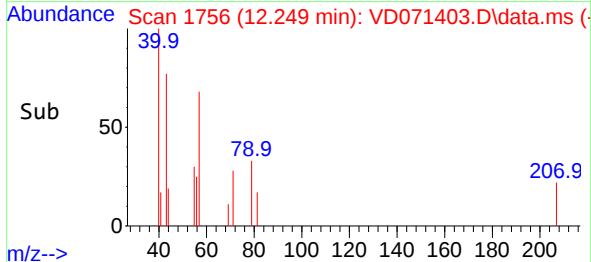
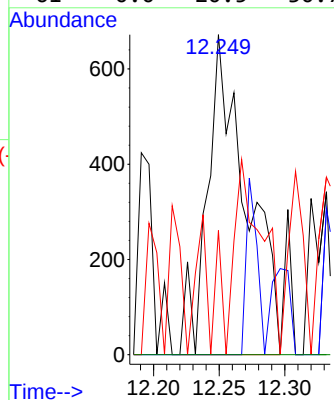


#74
N-amy1 acetate
Concen: 6.009 ug/l
RT: 12.249 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

Instrument :
MSVOA_D
ClientSampleId :

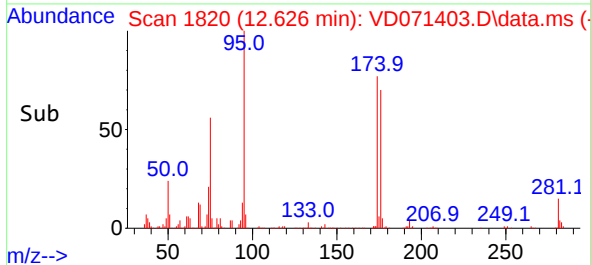
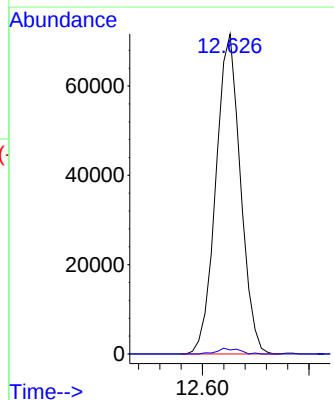
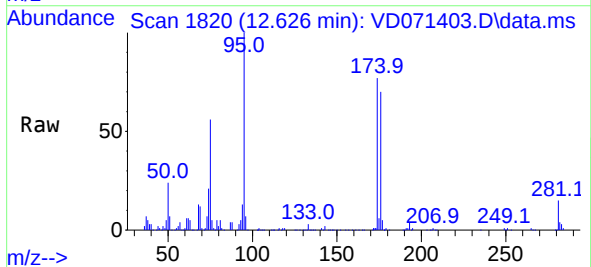


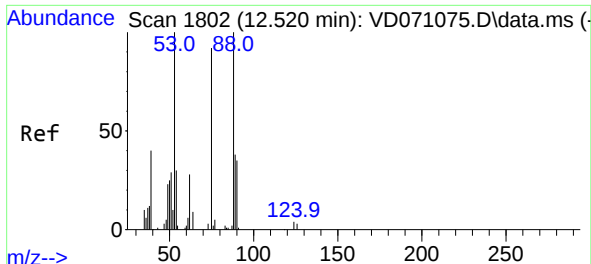
Tgt Ion: 43 Resp: 1398
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 11.7 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.140 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071403.D
Acq: 21 Dec 2021 10:19

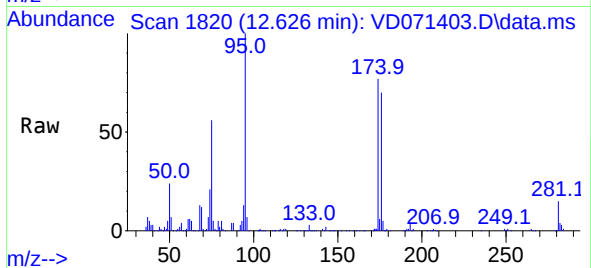
Tgt Ion: 75 Resp: 114488
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.125 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071403.D
 Acq: 21 Dec 2021 10:19

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 114488
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.1 34.5 51.7#

