

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071355.D
 Acq On : 15 Dec 2021 21:06
 Operator : VA/SY
 Sample : M5105-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:33:00 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

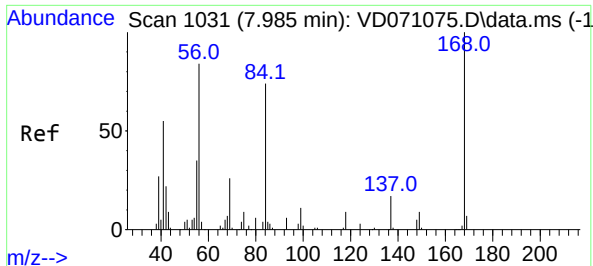
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	302576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	519271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	599211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	315158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152052	42.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.660%		
35) Dibromofluoromethane	7.914	113	157920	47.758	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.520%		
50) Toluene-d8	10.332	98	678692	53.935	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.860%		
62) 4-Bromofluorobenzene	12.620	95	296530	67.981	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	135.960%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.173	59	2946	Below Cal	#	71
16) Acetone	4.168	43	2720	33.326	ug/l #	40
20) Methylene Chloride	4.968	84	23635	2.641	ug/l #	93
23) Vinyl Acetate	6.315	43	79	27.230	ug/l #	72
25) 2-Butanone	7.220	43	453	28.728	ug/l #	82
31) Cyclohexane	7.979	56	8602	1.424	ug/l #	10
36) 1,1-Dichloropropene	7.973	75	29221	6.021	ug/l #	51
38) Carbon Tetrachloride	7.973	117	33214	6.943	ug/l #	17
41) Methacrylonitrile	7.515	41	177	Below Cal	#	29
43) Isopropyl Acetate	8.420	43	143	5.251	ug/l #	47
49) 1,4-Dioxane	9.397	88	68	3.916	ug/l #	1
51) 4-Methyl-2-Pentanone	10.232	43	568	30.863	ug/l	92
56) Ethyl methacrylate	10.603	69	74	5.989	ug/l #	1
59) 2-Hexanone	10.979	43	75	34.610	ug/l #	22
74) N-amyl acetate	12.255	43	945	5.835	ug/l #	58
76) 1,2,3-Trichloropropane	12.620	75	166845	55.565	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	166845	120.730	ug/l #	18
95) Naphthalene	15.379	128	38726	4.209	ug/l	97

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

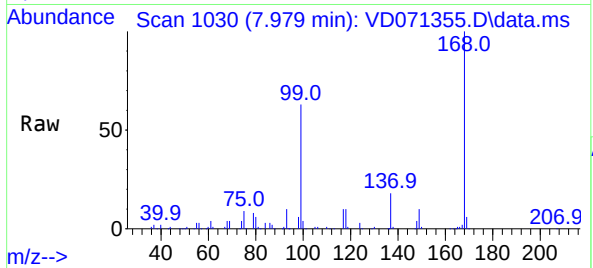
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



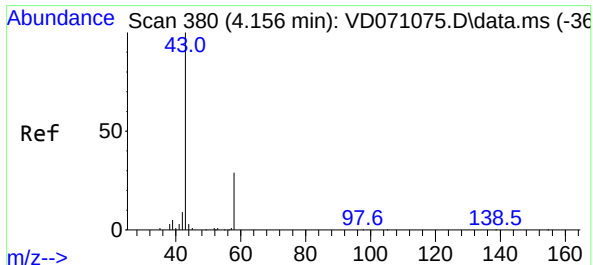
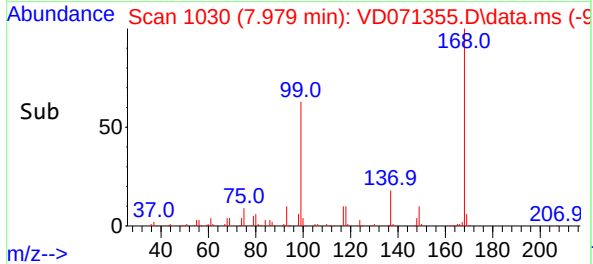
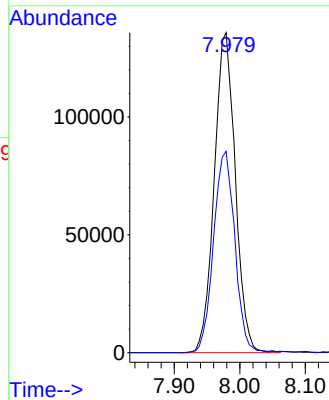


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Instrument :
MSVOA_D
ClientSampleId :

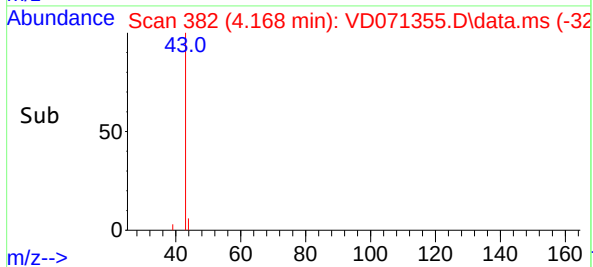
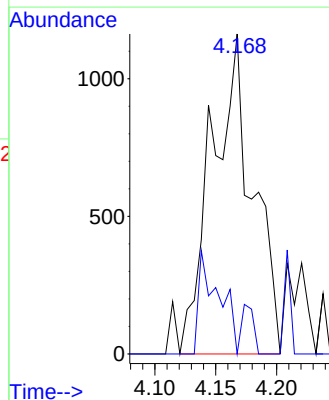
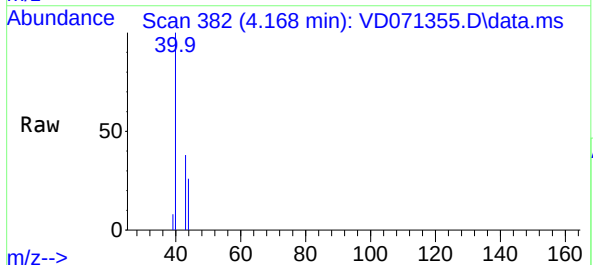


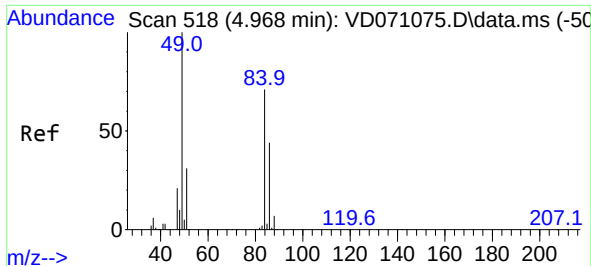
Tgt Ion:168 Resp: 302576
Ion Ratio Lower Upper
168 100
99 62.9 46.6 69.8



#16
Acetone
Concen: 33.326 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

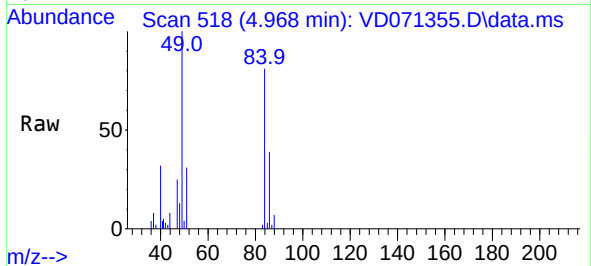
Tgt Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



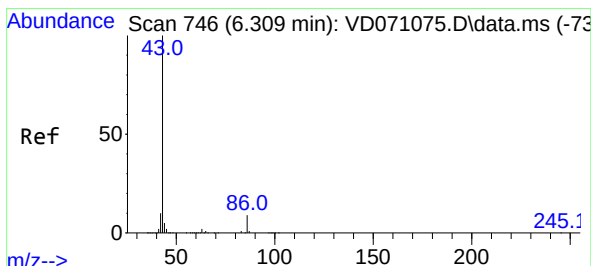
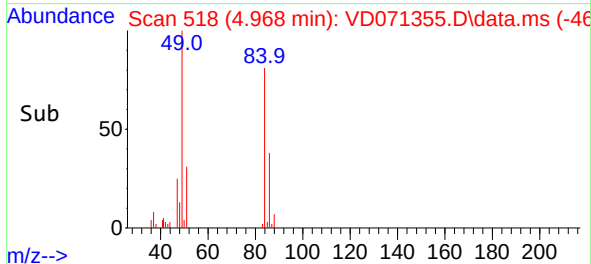
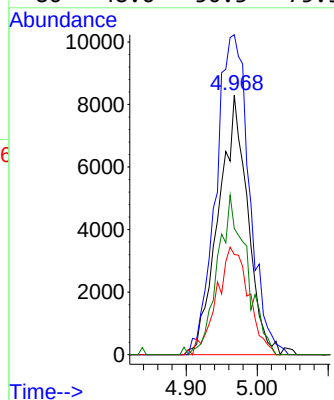


#20
Methylene Chloride
Concen: 2.641 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Instrument :
MSVOA_D
ClientSampleId :

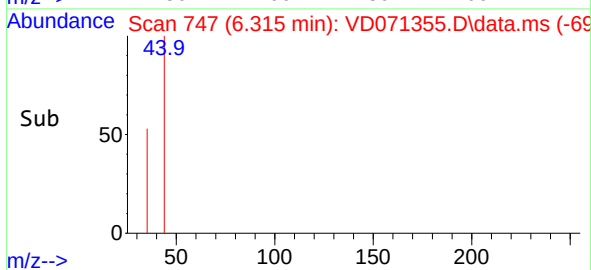
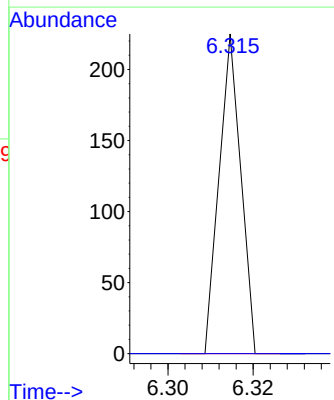
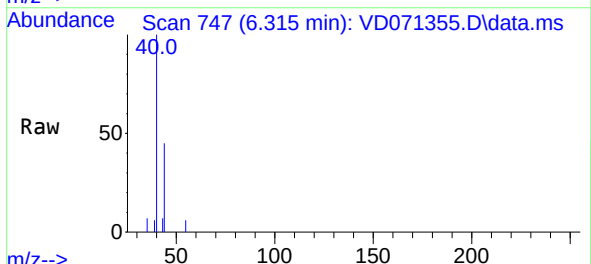


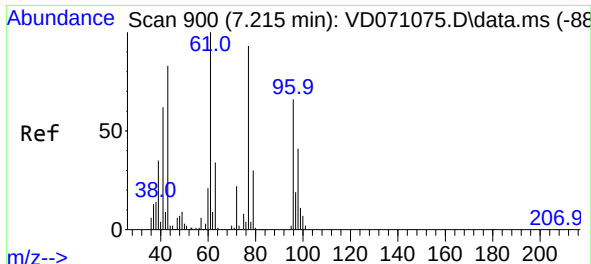
Tgt Ion: 84 Resp: 23635
Ion Ratio Lower Upper
84 100
49 123.3 95.8 143.6
51 38.6 30.9 46.3
86 48.6 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.230 ug/l
RT: 6.315 min Scan# 747
Delta R.T. 0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

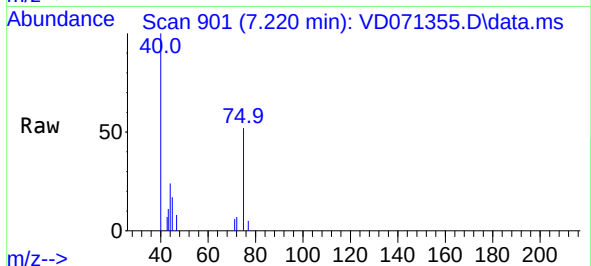
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



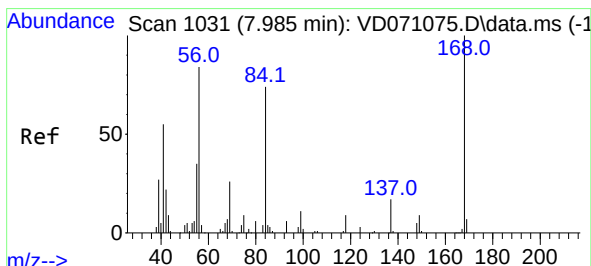
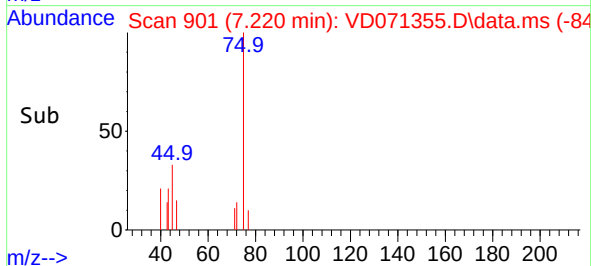
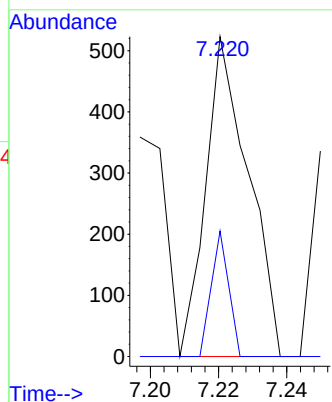


#25
2-Butanone
Concen: 28.728 ug/l
RT: 7.220 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Instrument :
MSVOA_D
ClientSampleId :

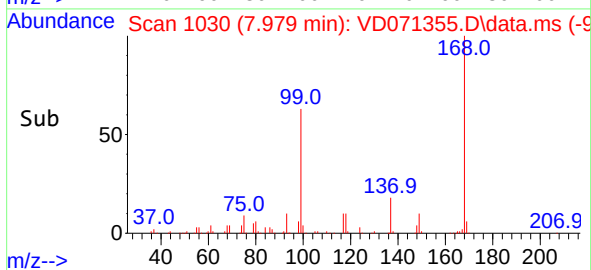
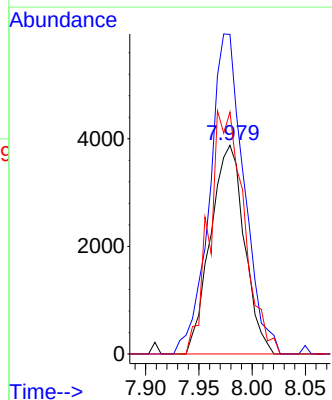
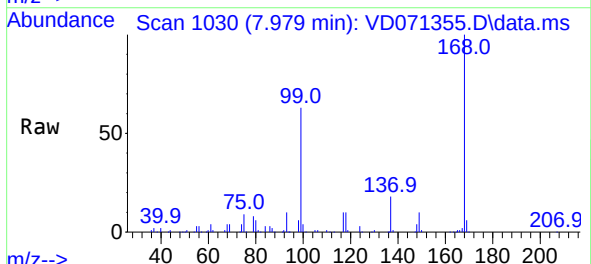


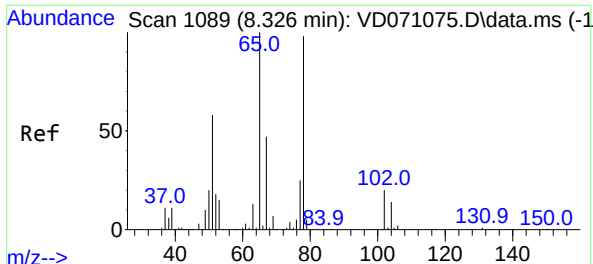
Tgt Ion: 43 Resp: 453
Ion Ratio Lower Upper
43 100
72 39.2 23.8 35.6#



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Tgt Ion: 56 Resp: 8602
Ion Ratio Lower Upper
56 100
69 153.1 25.9 38.9#
84 115.9 64.3 96.5#

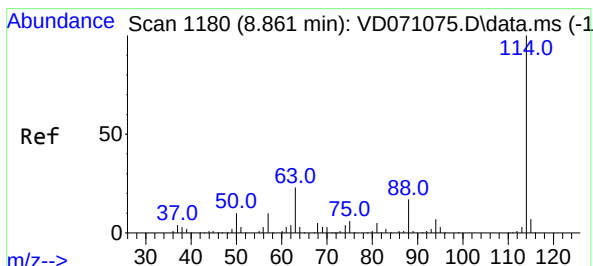
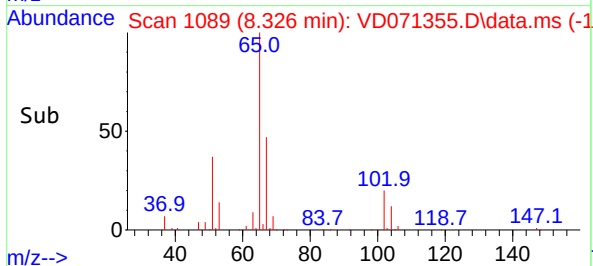
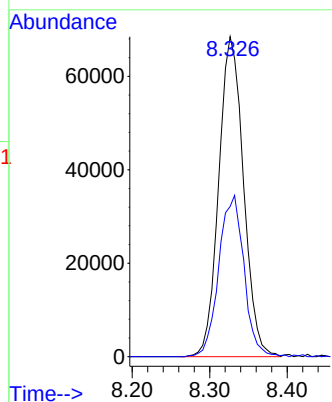
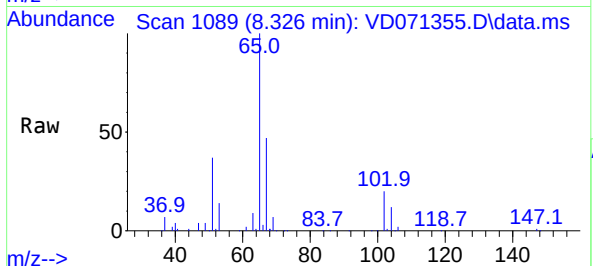




#33
1,2-Dichloroethane-d4
Concen: 42.827 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

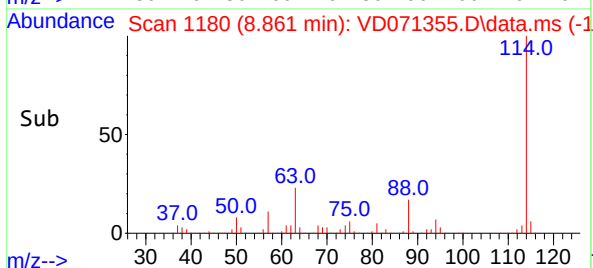
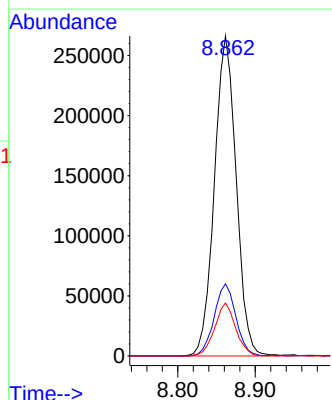
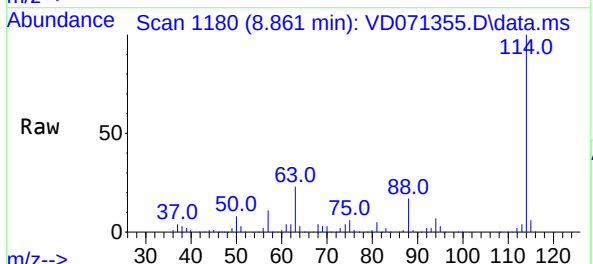
Instrument :
MSVOA_D
ClientSampleId :

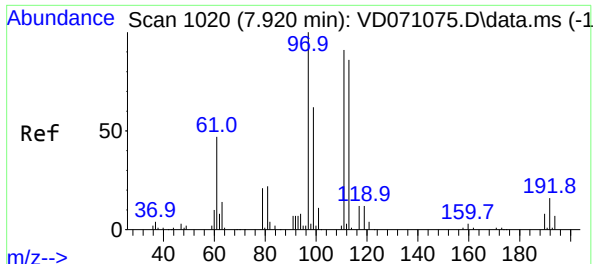
Tgt Ion: 65 Resp: 152052
Ion Ratio Lower Upper
65 100
67 51.2 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

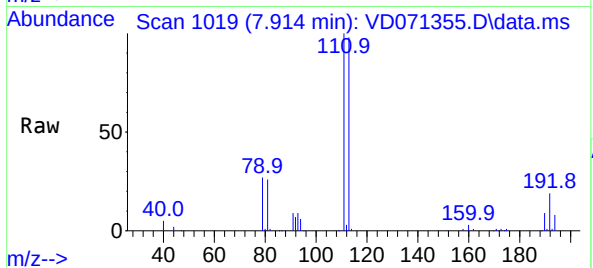
Tgt Ion: 114 Resp: 519271
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 16.5 0.0 32.8



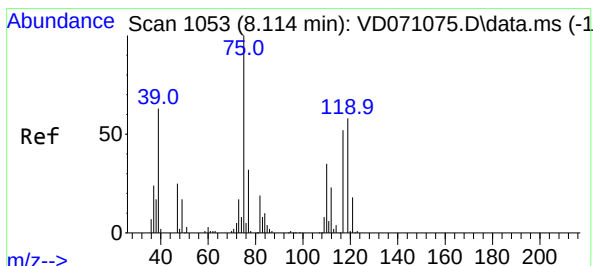
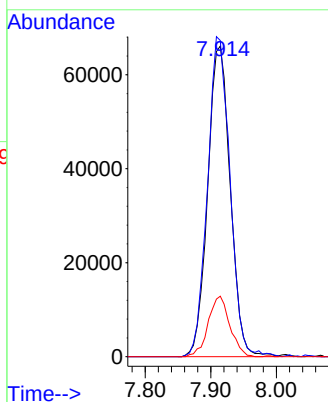
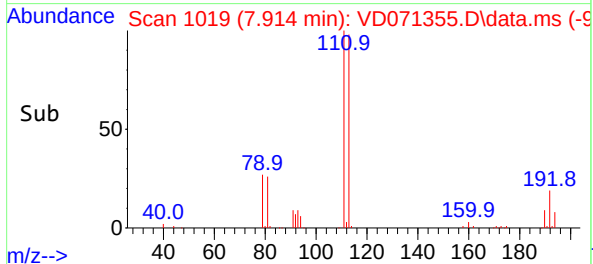


#35
Dibromofluoromethane
Concen: 47.758 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

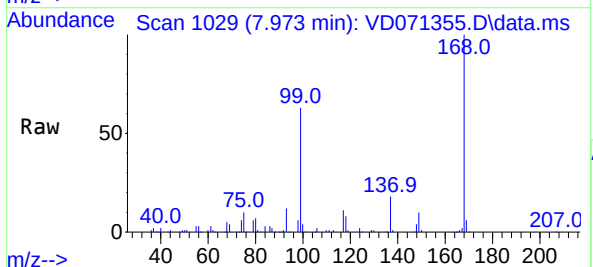
Instrument :
MSVOA_D
ClientSampleId :



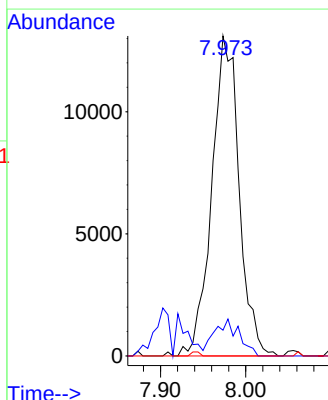
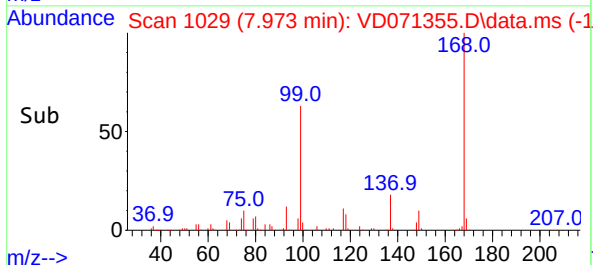
Tgt Ion:113 Resp: 157920
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 18.7 15.2 22.8

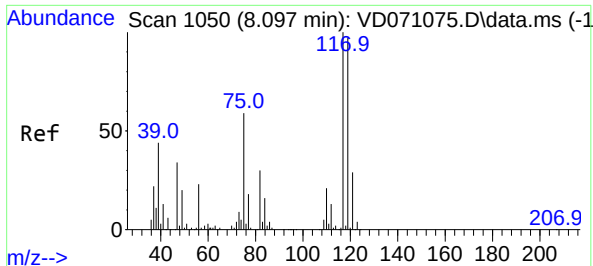


#36
1,1-Dichloropropene
Concen: 6.021 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06



Tgt Ion: 75 Resp: 29221
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.4#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.943 ug/l

RT: 7.973 min Scan# 1105

Delta R.T. -0.124 min

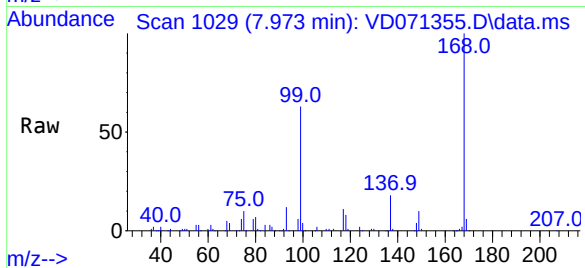
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Acq: 15 Dec 2021 21:06

Instrument :

MSVOA_D

ClientSampleId :



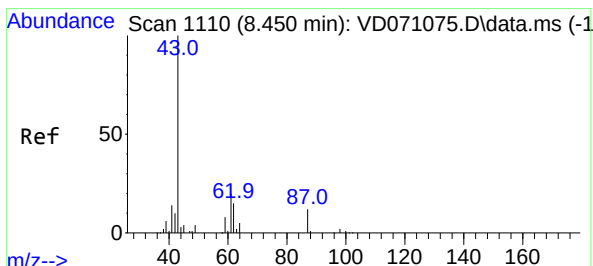
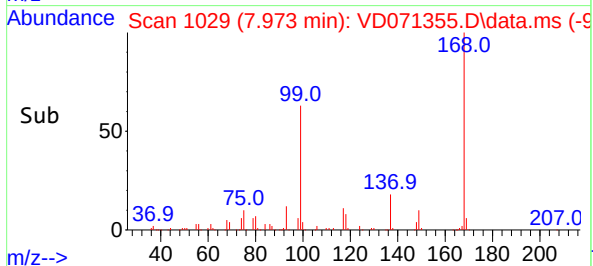
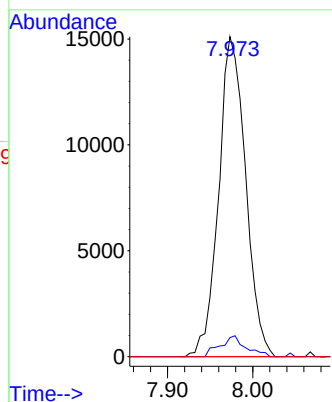
Tgt Ion:117 Resp: 33214

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

121 0.0 23.6 35.4#



#43

Isopropyl Acetate

Concen: 5.251 ug/l

RT: 8.420 min Scan# 1105

Delta R.T. -0.030 min

Lab File: VD071355.D

Acq: 15 Dec 2021 21:06

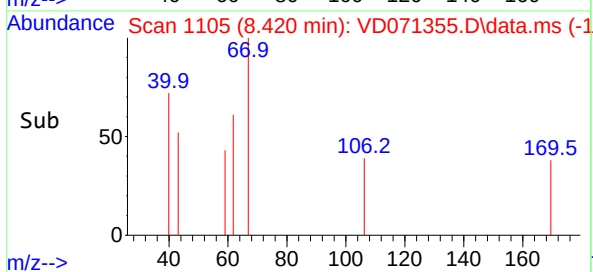
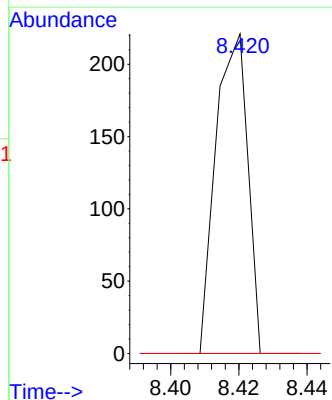
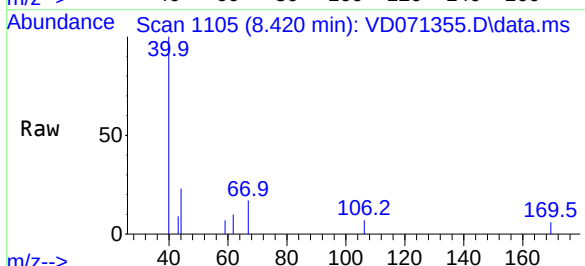
Tgt Ion: 43 Resp: 143

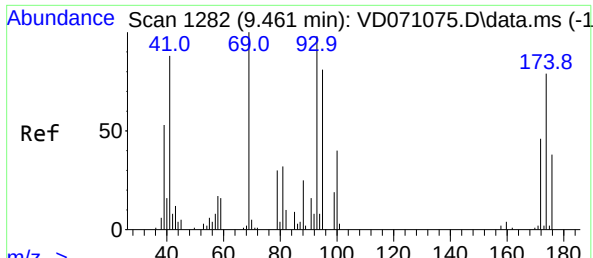
Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

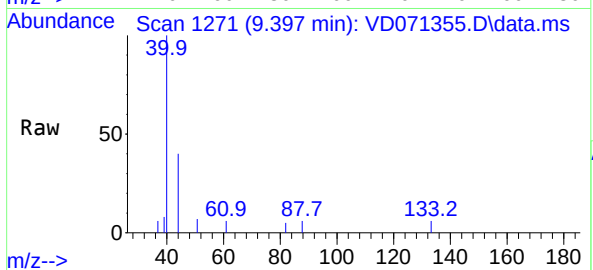
87 0.0 10.7 16.1#



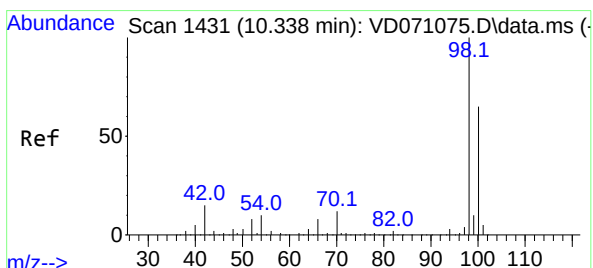
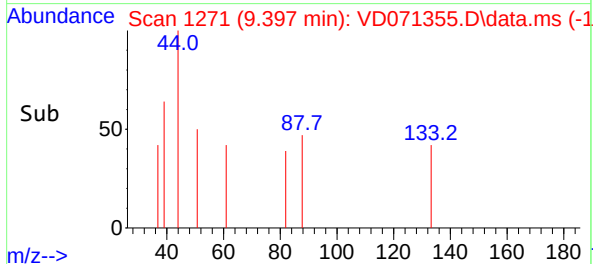
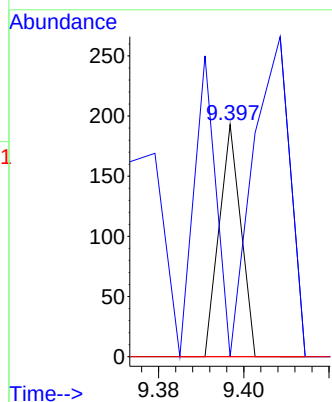


#49
1,4-Dioxane
Concen: 3.916 ug/l
RT: 9.397 min Scan# 11
Delta R.T. -0.064 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Instrument :
MSVOA_D
ClientSampleId :

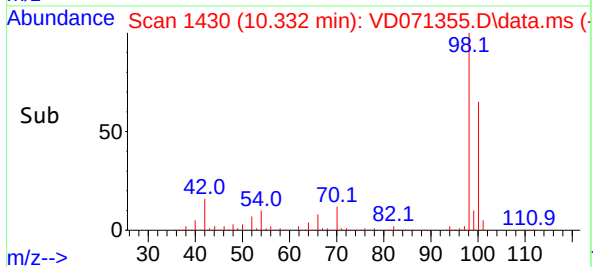
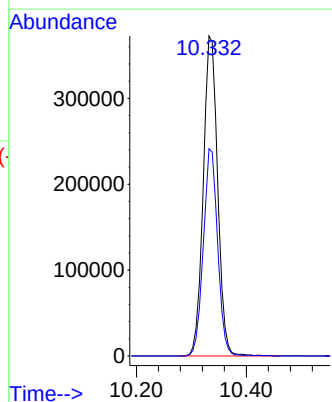
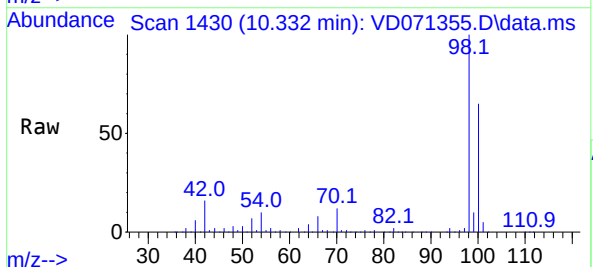


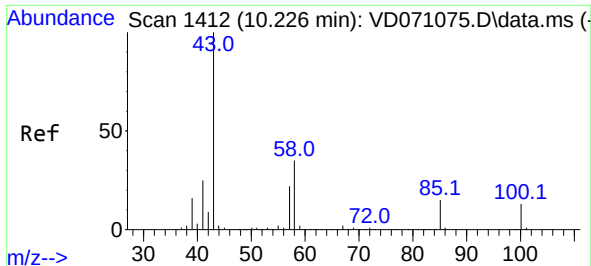
Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 129.4 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 53.935 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Tgt Ion: 98 Resp: 678692
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 30.863 ug/l

RT: 10.232 min Scan# 1412

Delta R.T. 0.006 min

Lab File: VD071355.D

Acq: 15 Dec 2021 21:06

Instrument :

MSVOA_D

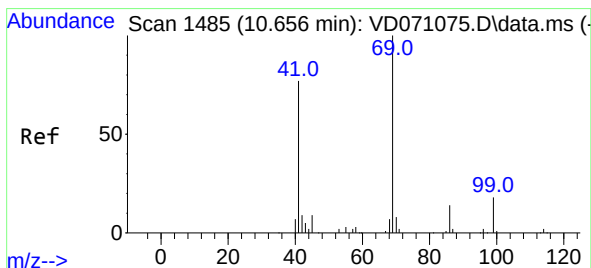
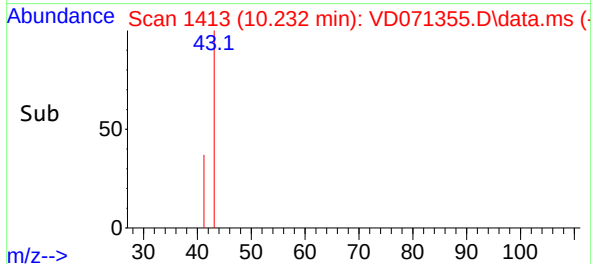
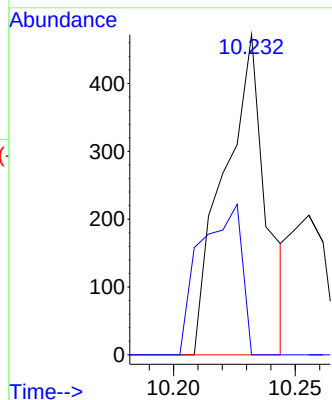
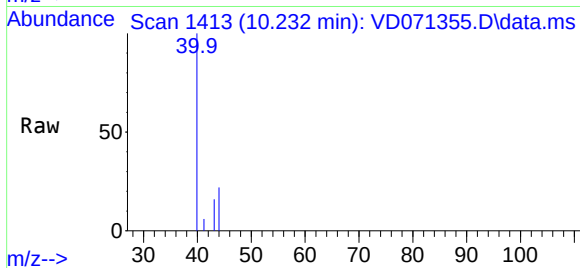
ClientSampleId :

Tgt Ion: 43 Resp: 568

Ion Ratio Lower Upper

43 100

58 46.1 33.1 49.7



#56

Ethyl methacrylate

Concen: 5.989 ug/l

RT: 10.603 min Scan# 1476

Delta R.T. -0.053 min

Lab File: VD071355.D

Acq: 15 Dec 2021 21:06

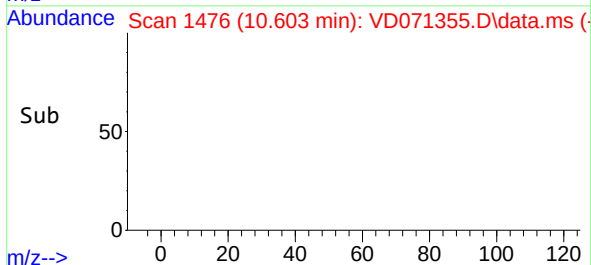
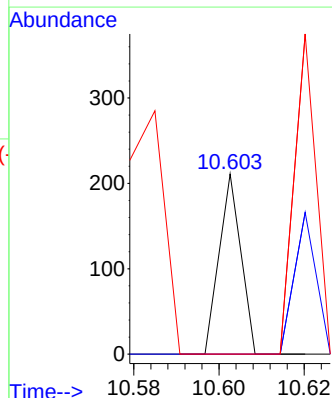
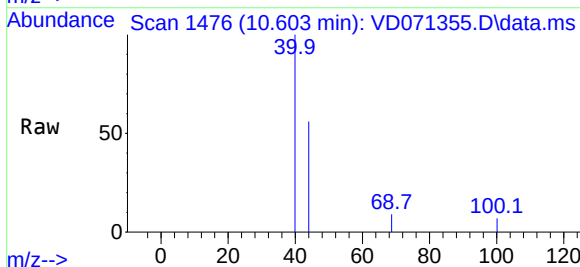
Tgt Ion: 69 Resp: 74

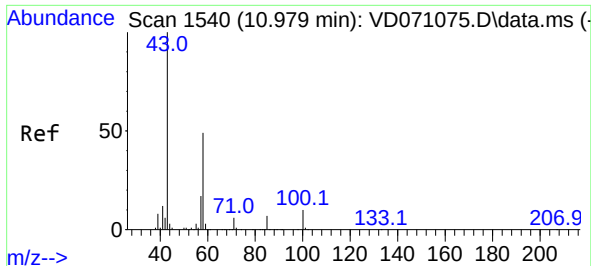
Ion Ratio Lower Upper

69 100

41 79.7 50.2 75.2#

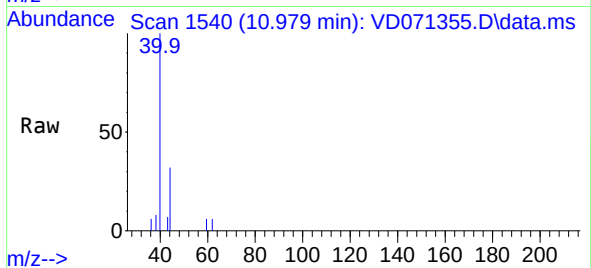
39 178.4 19.8 29.8#



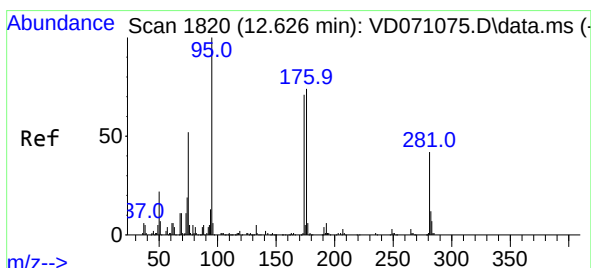
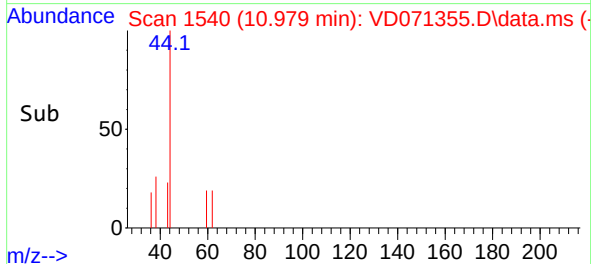
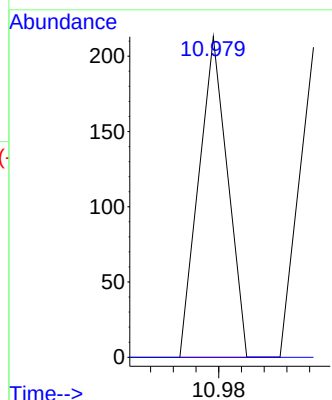


#59
2-Hexanone
Concen: 34.610 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Instrument :
MSVOA_D
ClientSampleId :

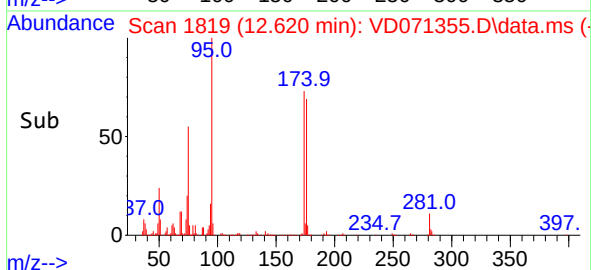
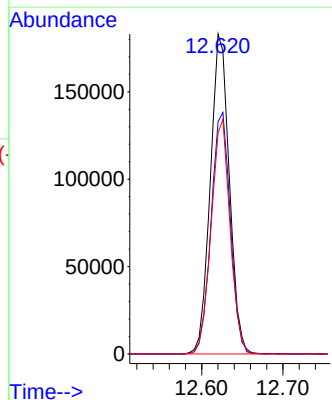
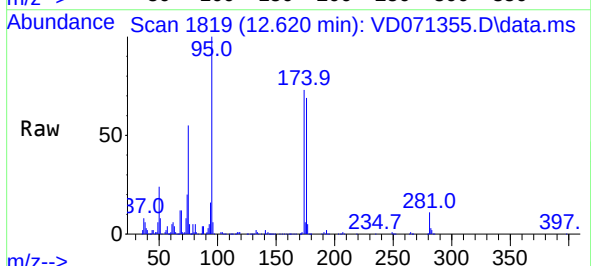


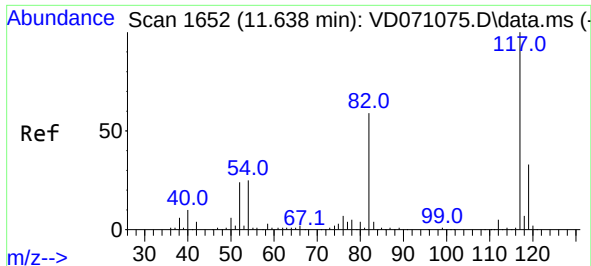
Tgt Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 67.981 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

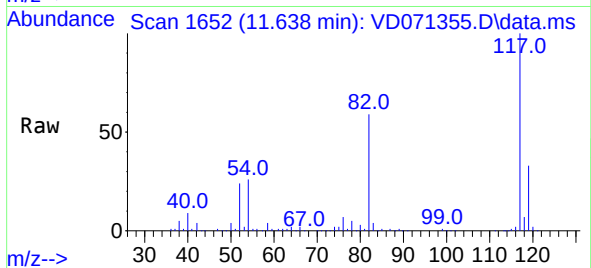
Tgt Ion: 95 Resp: 296530
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.4
176 73.0 0.0 154.0



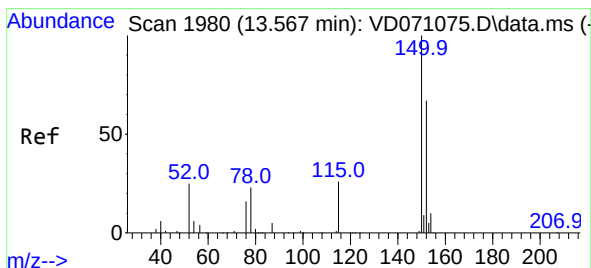
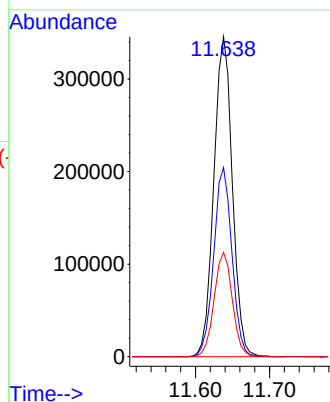


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

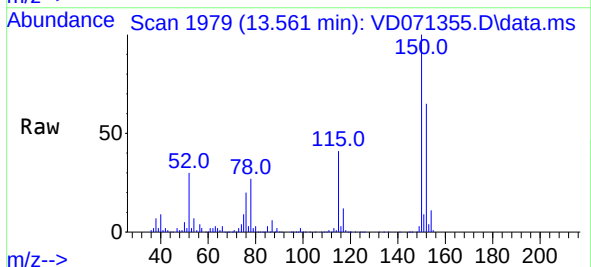
Instrument :
MSVOA_D
ClientSampleId :



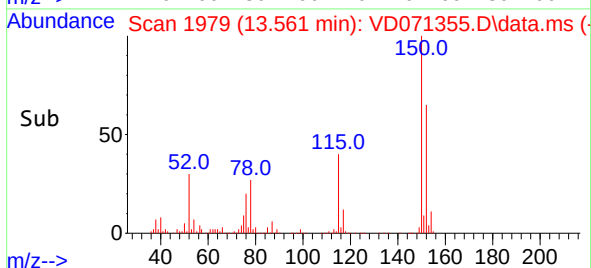
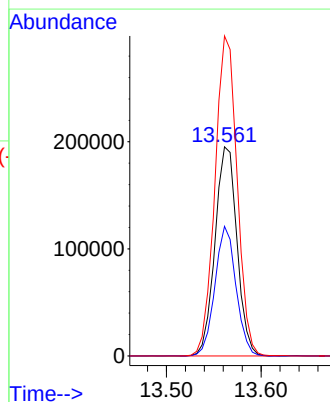
Tgt Ion:117 Resp: 599211
Ion Ratio Lower Upper
117 100
82 59.1 44.7 67.1
119 32.6 26.2 39.4

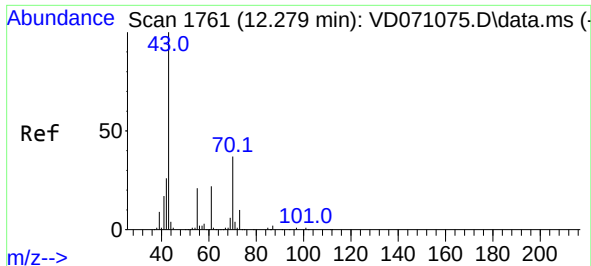


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06



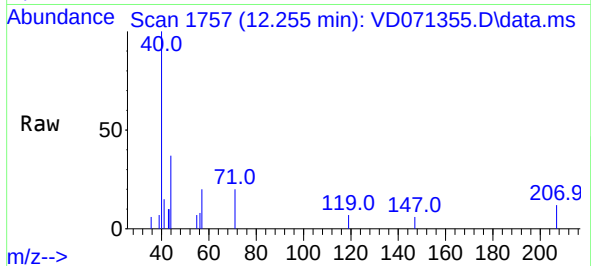
Tgt Ion:152 Resp: 315158
Ion Ratio Lower Upper
152 100
115 59.5 29.8 89.3
150 154.4 0.0 349.2



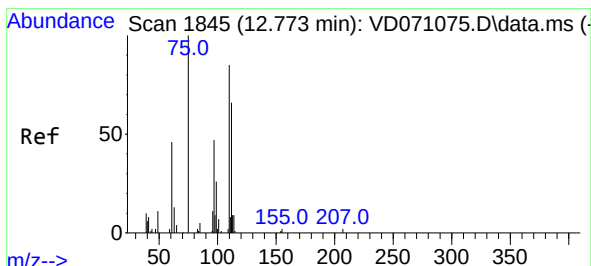
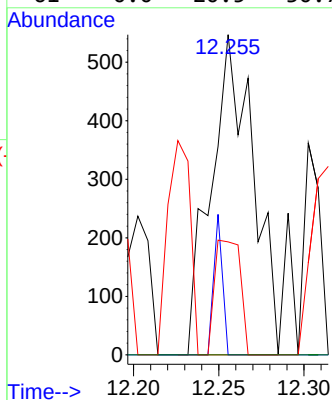
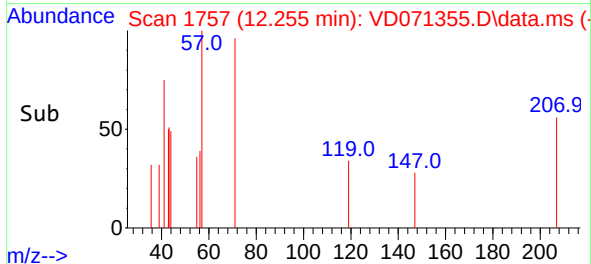


#74
N-amy1 acetate
Concen: 5.835 ug/l
RT: 12.255 min Scan# 1819
Delta R.T. -0.024 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Instrument :
MSVOA_D
ClientSampleId :

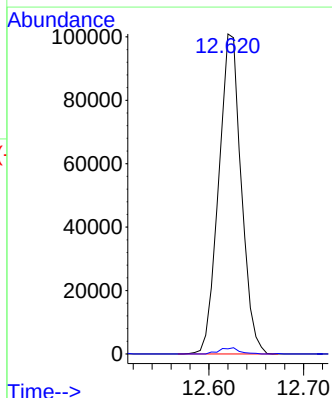
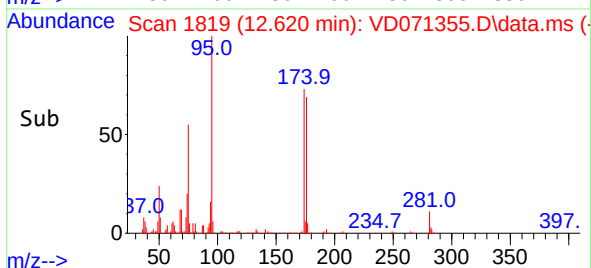
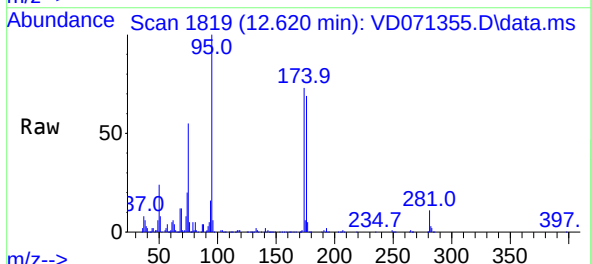


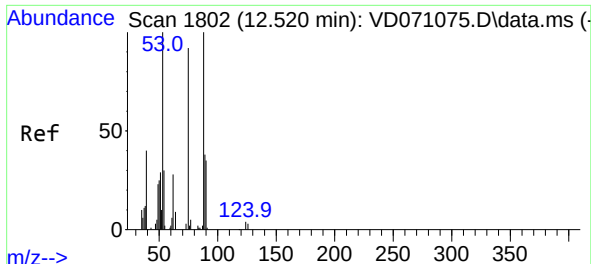
Tgt Ion:	43	Resp:	945
Ion	Ratio	Lower	Upper
43	100		
70	9.0	36.6	55.0#
55	21.6	22.5	33.7#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 55.565 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Tgt Ion:	75	Resp:	166845
Ion	Ratio	Lower	Upper
75	100		
77	1.7	158.4	475.3#

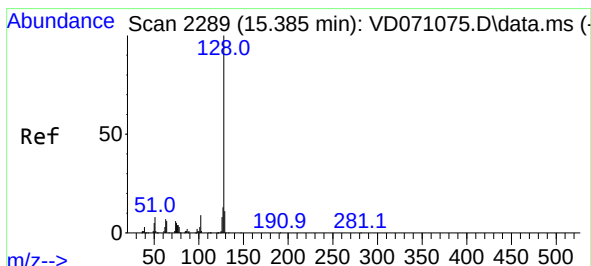
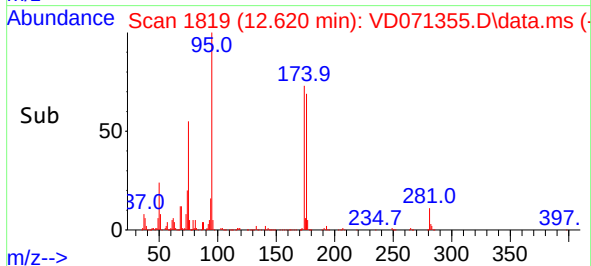
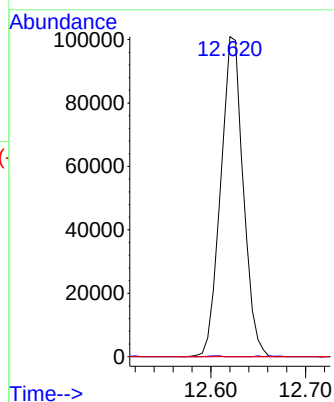
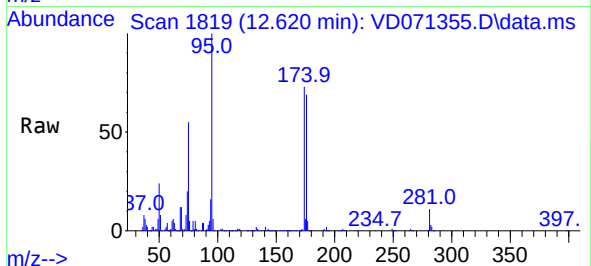




#81
trans-1,4-Dichloro-2-butene
Concen: 120.730 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 166845
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.209 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Tgt Ion:128 Resp: 38726
Ion Ratio Lower Upper
128 100
127 15.0 10.7 16.1
129 10.6 8.7 13.1

