

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071178.D
 Acq On : 07 Dec 2021 12:49
 Operator : VA/SY
 Sample : M4946-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 02:48:20 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)

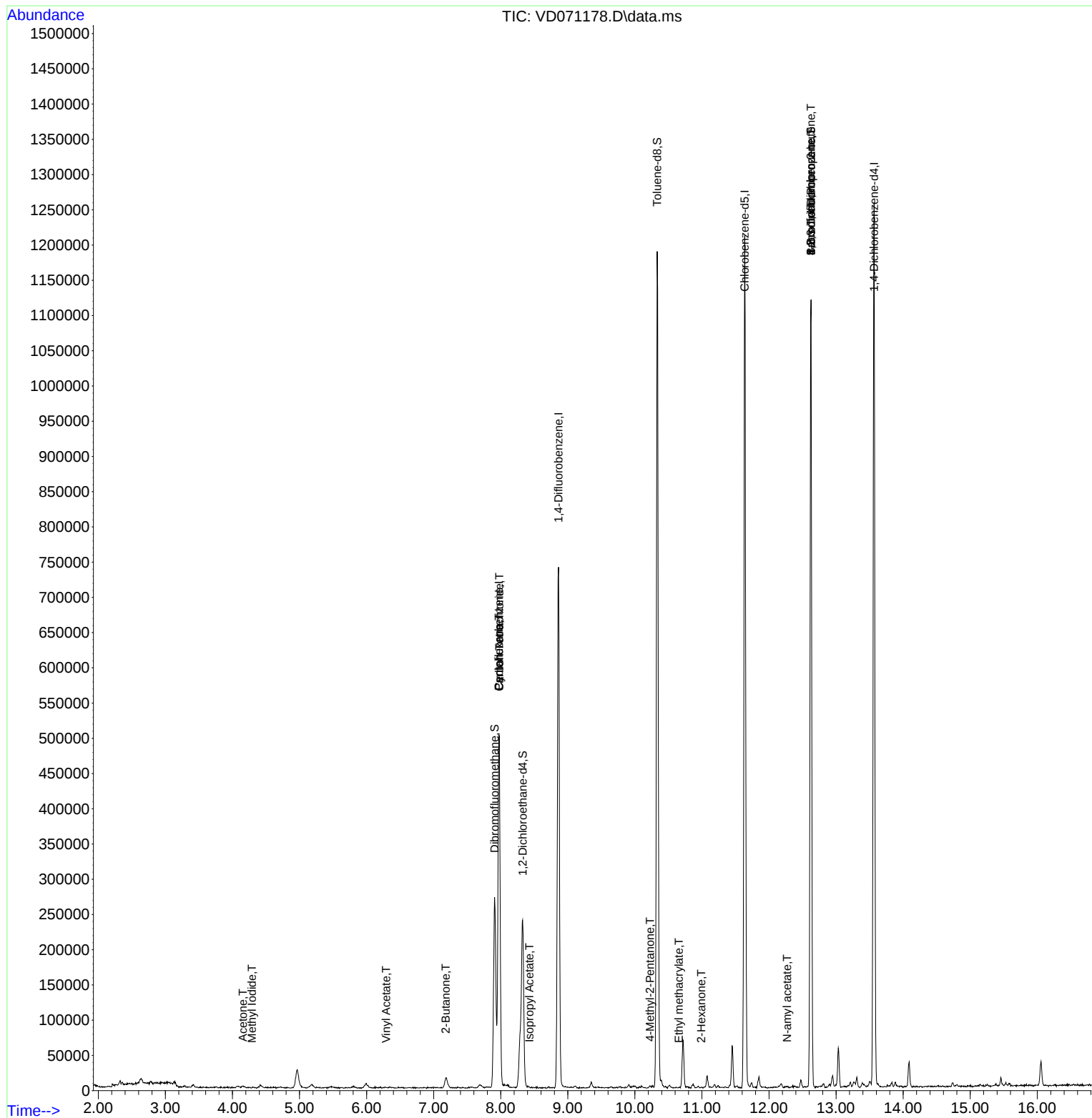
Internal Standards						
1) Pentafluorobenzene	7.973	168	358617	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	619918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	648257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	314118	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	186881	44.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.82%		
35) Dibromofluoromethane	7.909	113	190750	48.32	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.64%		
50) Toluene-d8	10.332	98	779432	51.88	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.76%		
62) 4-Bromofluorobenzene	12.626	95	314640	60.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.84%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	424	4.65	ug/l #	56
11) Tert butyl alcohol	5.179	59	4855	Below Cal	#	71
16) Acetone	4.156	43	3786	33.77	ug/l #	65
20) Methylene Chloride	4.962	84	17194	Below Cal		93
23) Vinyl Acetate	6.291	43	261	27.25	ug/l #	72
25) 2-Butanone	7.179	43	678	28.82	ug/l #	45
31) Cyclohexane	7.973	56	11987	1.67	ug/l #	48
38) Carbon Tetrachloride	7.979	117	37722	6.60	ug/l #	15
41) Methacrylonitrile	7.514	41	92	Below Cal	#	1
43) Isopropyl Acetate	8.426	43	436	5.29	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	1512	31.12	ug/l #	68
56) Ethyl methacrylate	10.655	69	162	6.01	ug/l #	23
59) 2-Hexanone	10.991	43	363	34.72	ug/l	72
71) Bromoform	12.626	173	3752	1.65	ug/l #	1
74) N-amyl acetate	12.267	43	601	5.79	ug/l #	39
76) 1,2,3-Trichloropropane	12.626	75	176139	58.85	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	176139	127.53	ug/l #	18

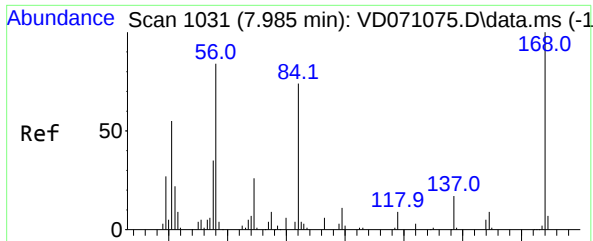
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071178.D
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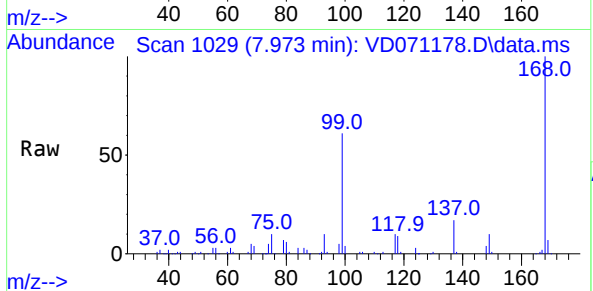
Quant Time: Dec 08 02:48:20 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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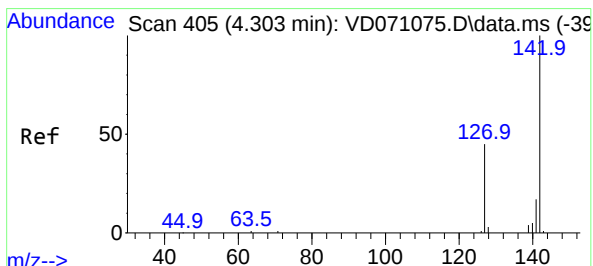
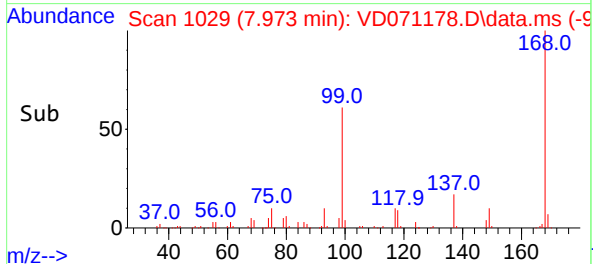
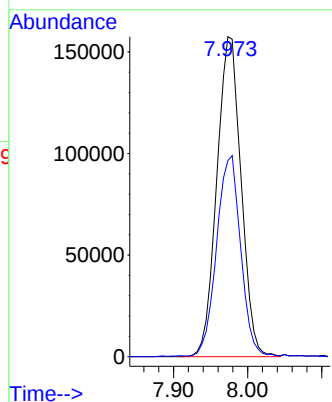


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Instrument :
MSVOA_D
ClientSampleId :

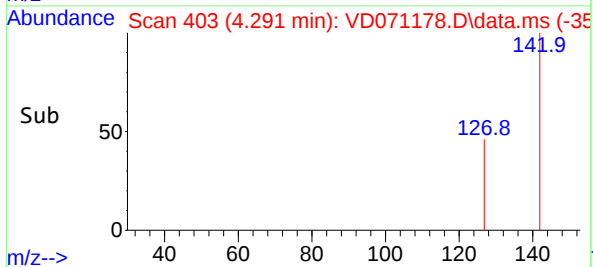
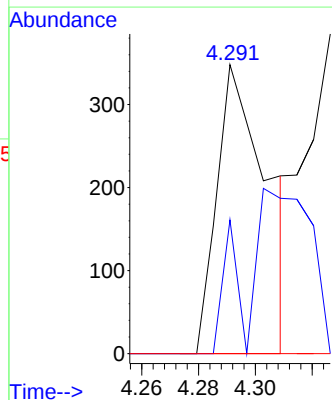
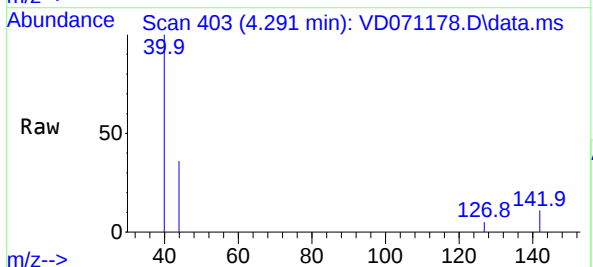


Tgt Ion:168 Resp: 358617
Ion Ratio Lower Upper
168 100
99 61.0 46.6 69.8



#10
Methyl Iodide
Concen: 4.65 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Tgt Ion:142 Resp: 424
Ion Ratio Lower Upper
142 100
127 73.8 35.0 52.4#
141 0.0 12.0 18.0#

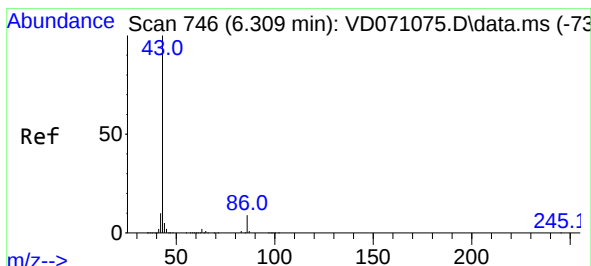
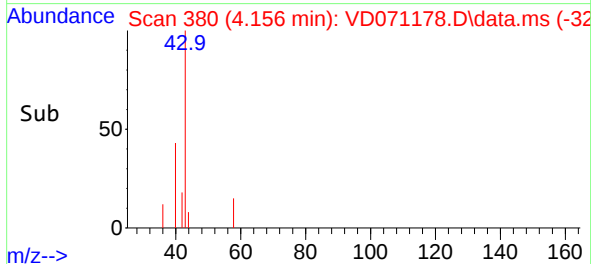
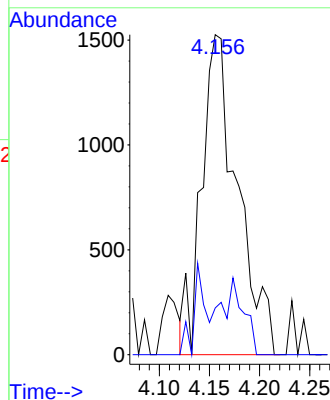
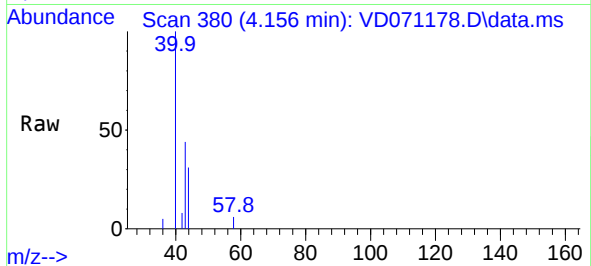




#16
Acetone
Concen: 33.77 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

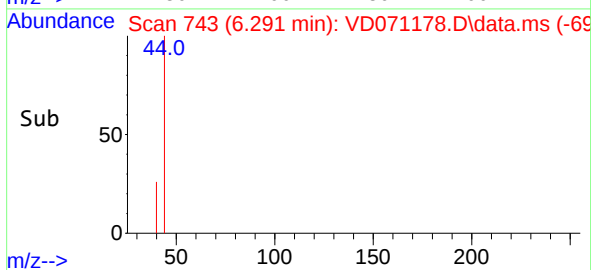
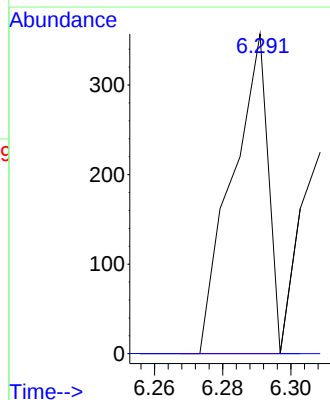
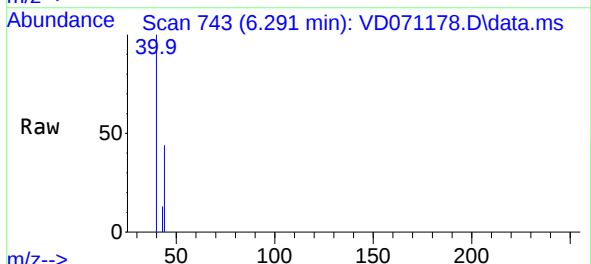
Instrument :
MSVOA_D
ClientSampleId :

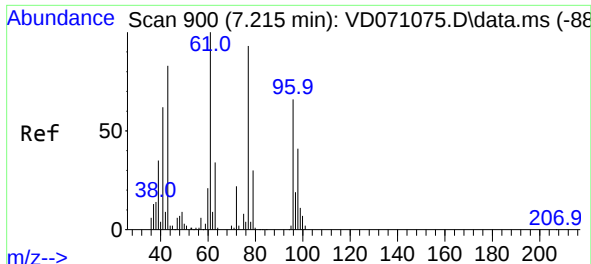
Tgt Ion: 43 Resp: 3786
Ion Ratio Lower Upper
43 100
58 14.6 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.25 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Tgt Ion: 43 Resp: 261
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 28.82 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.036 min

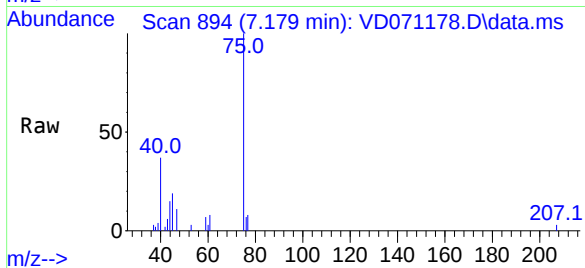
Lab File: VD071178.D

Acq: 07 Dec 2021 12:49

Instrument :

MSVOA_D

ClientSampleId :

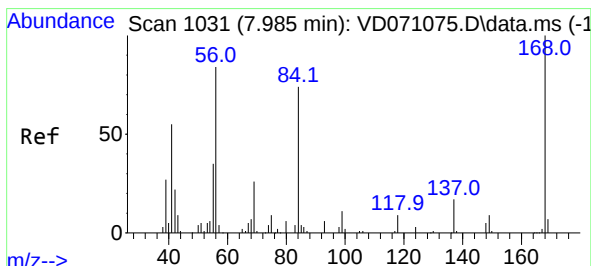
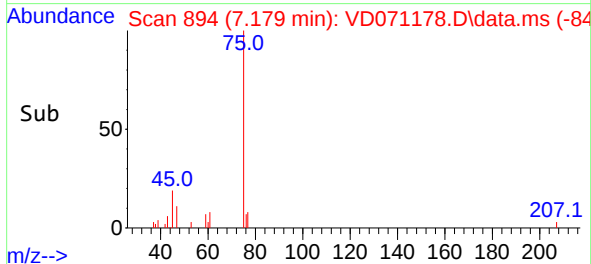
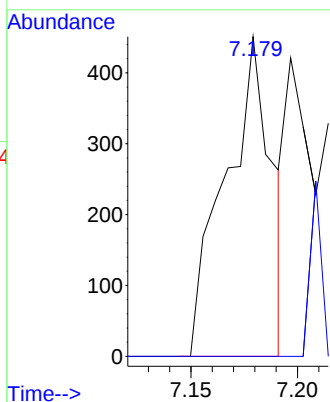


Tgt Ion: 43 Resp: 678

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.67 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071178.D

Acq: 07 Dec 2021 12:49

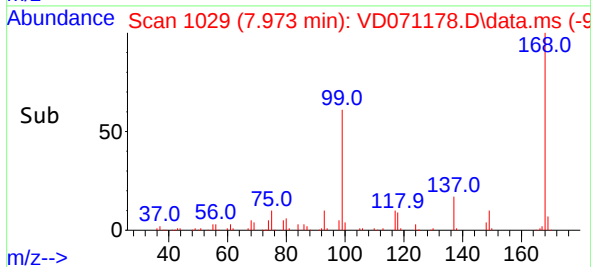
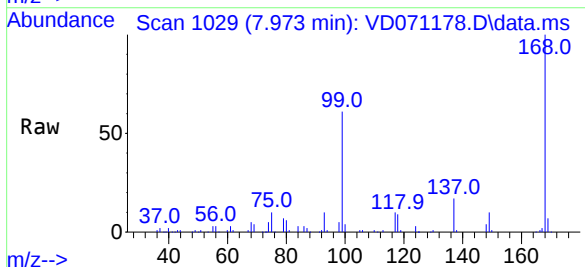
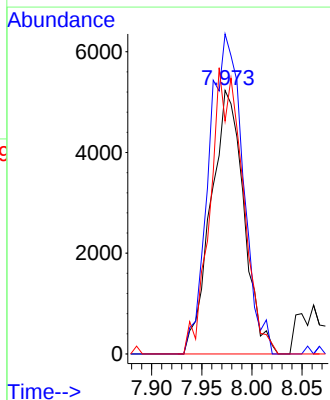
Tgt Ion: 56 Resp: 11987

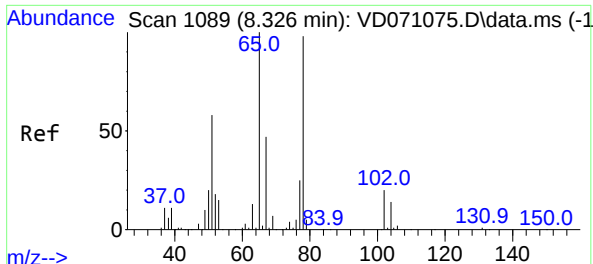
Ion Ratio Lower Upper

56 100

69 121.4 25.9 38.9#

84 88.3 64.3 96.5

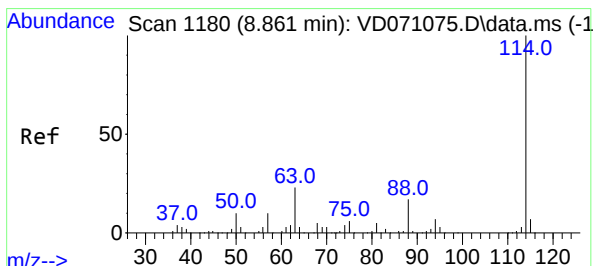
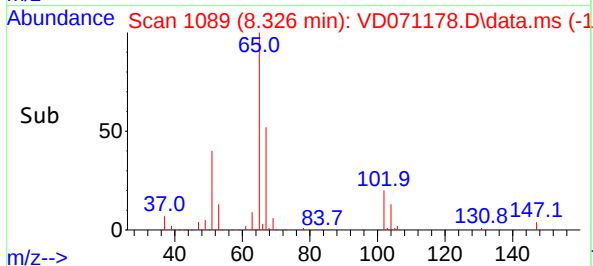
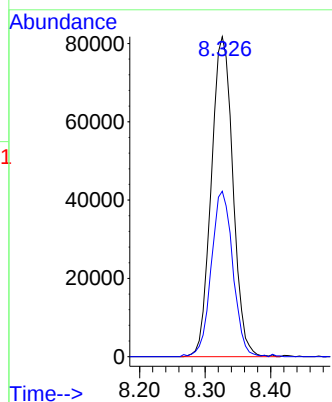
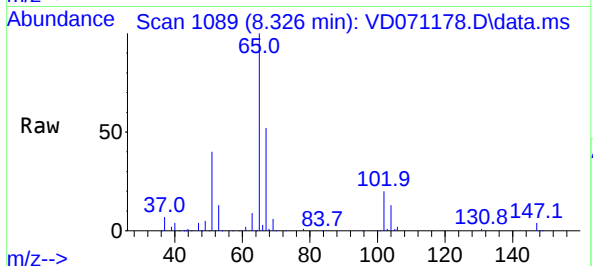




#33
1,2-Dichloroethane-d4
Concen: 44.41 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

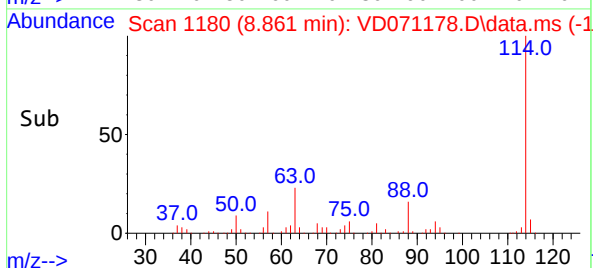
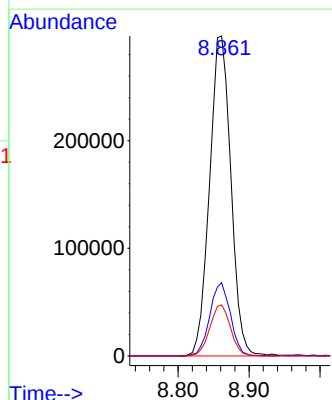
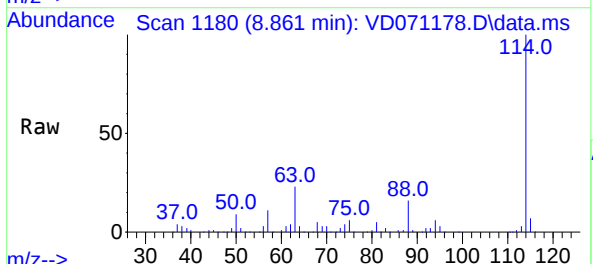
Instrument :
MSVOA_D
ClientSampleId :

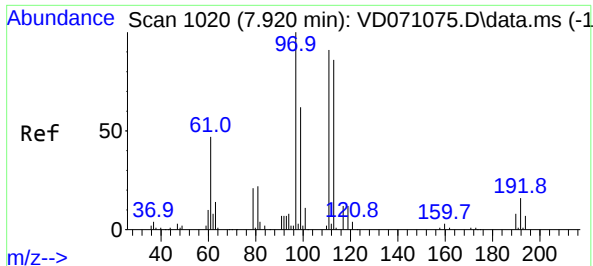
Tgt Ion: 65 Resp: 186881
Ion Ratio Lower Upper
65 100
67 51.7 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

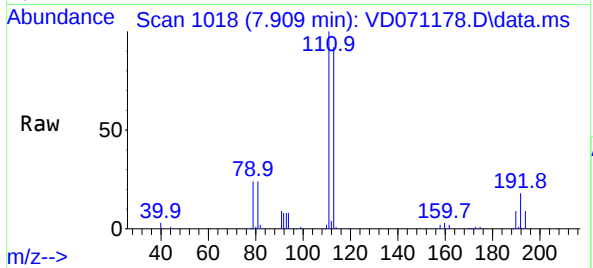
Tgt Ion: 114 Resp: 619918
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 15.9 0.0 32.8



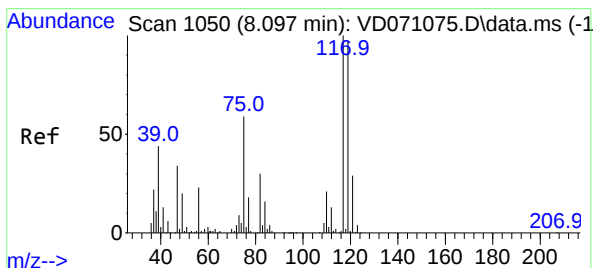
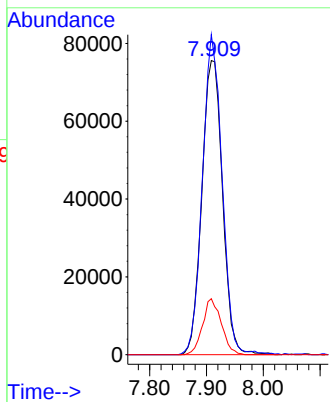
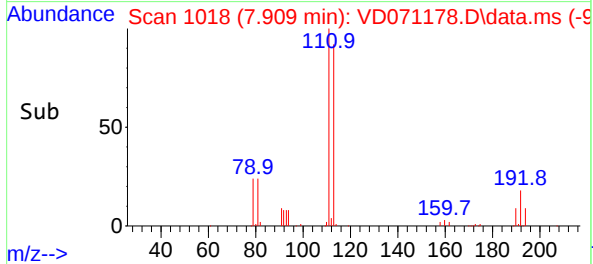


#35
Dibromofluoromethane
Concen: 48.32 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Instrument :
MSVOA_D
ClientSampleId :

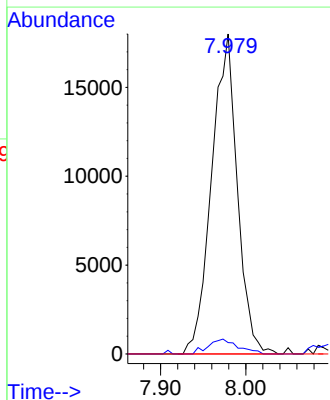
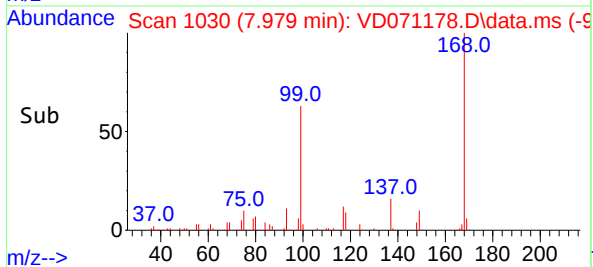
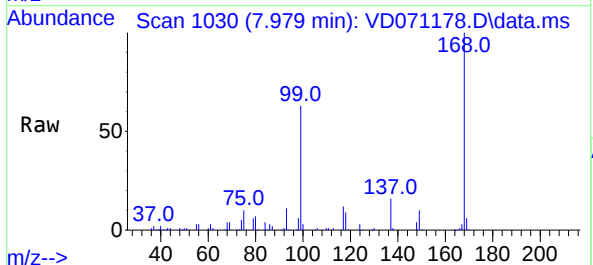


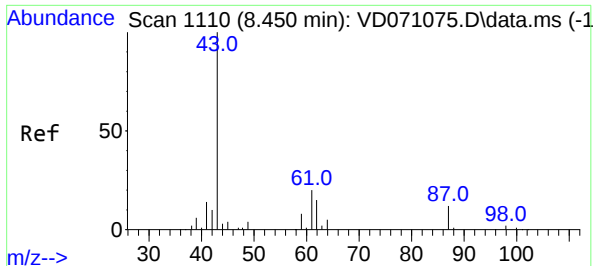
Tgt Ion:113 Resp: 190750
Ion Ratio Lower Upper
113 100
111 103.7 82.0 123.0
192 17.2 15.2 22.8



#38
Carbon Tetrachloride
Concen: 6.60 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Tgt Ion:117 Resp: 37722
Ion Ratio Lower Upper
117 100
119 3.6 75.8 113.6#
121 0.0 23.6 35.4#

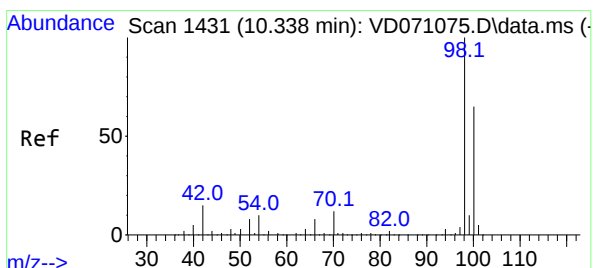
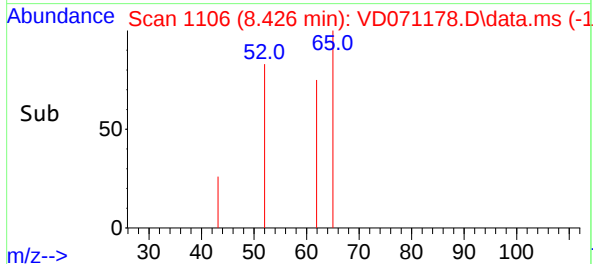
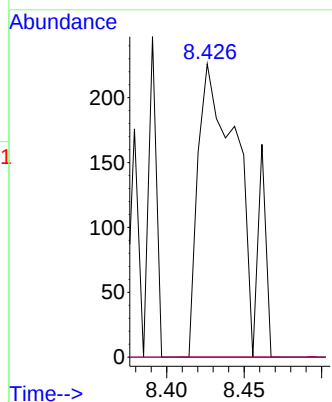
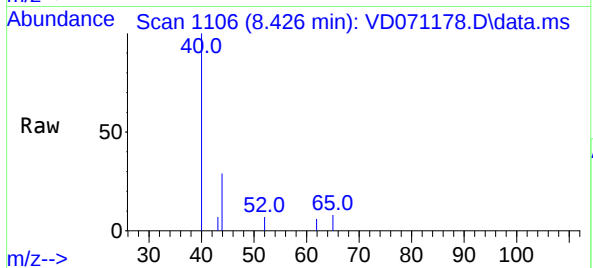




#43
Isopropyl Acetate
Concen: 5.29 ug/l
RT: 8.426 min Scan# 1110
Delta R.T. -0.024 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

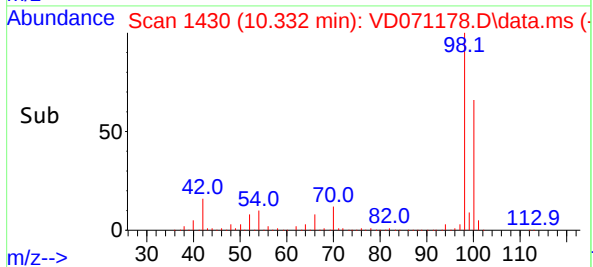
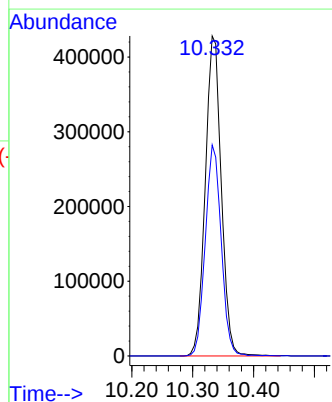
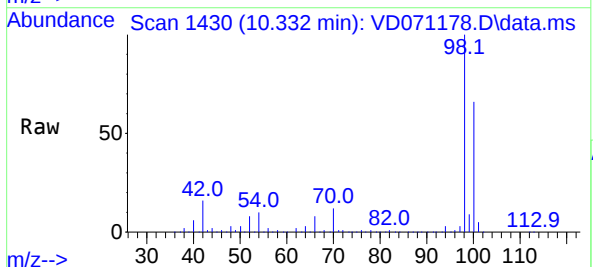
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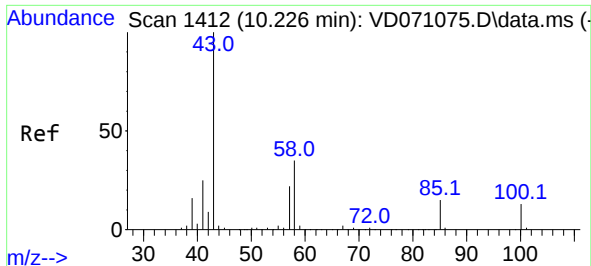
Tgt Ion: 43 Resp: 436
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 51.88 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Tgt Ion: 98 Resp: 779432
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6

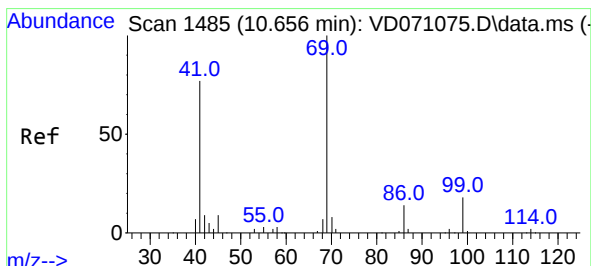
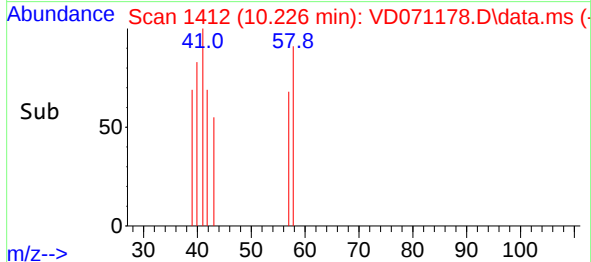
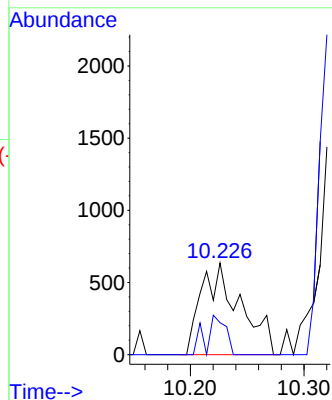
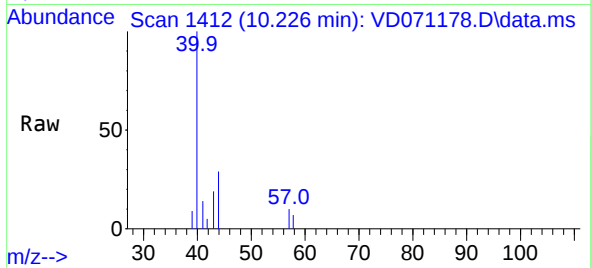




#51
4-Methyl-2-Pentanone
Concen: 31.12 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

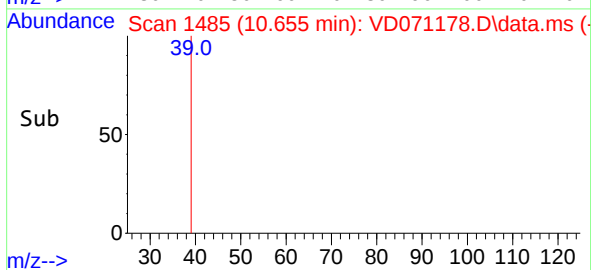
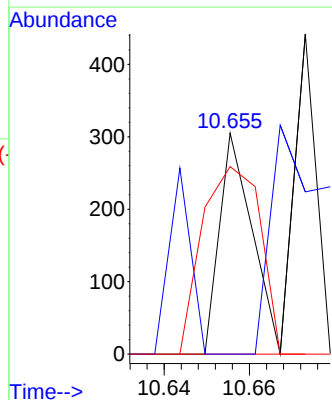
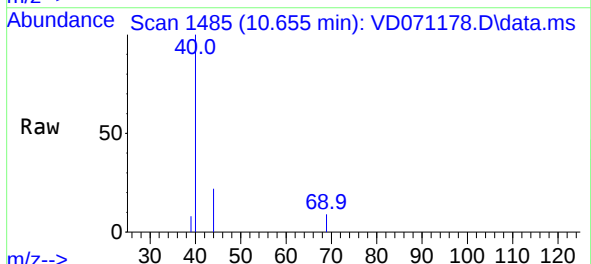
Instrument :
MSVOA_D
ClientSampleId :

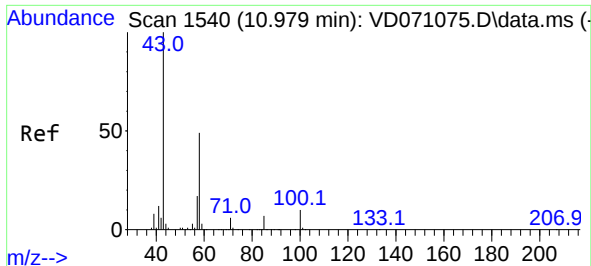
Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
58 21.2 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.01 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Tgt Ion: 69 Resp: 162
Ion Ratio Lower Upper
69 100
41 56.2 50.2 75.2
39 150.6 19.8 29.8#





#59

2-Hexanone

Concen: 34.72 ug/l

RT: 10.991 min Scan# 11

Delta R.T. 0.012 min

Lab File: VD071178.D

Acq: 07 Dec 2021 12:49

Instrument :

MSVOA_D

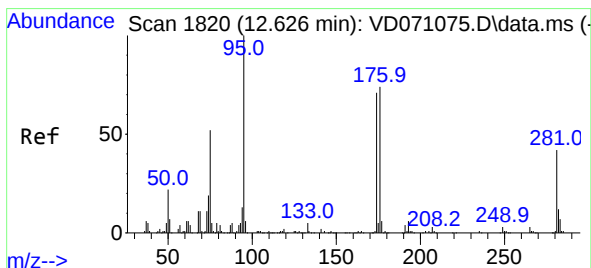
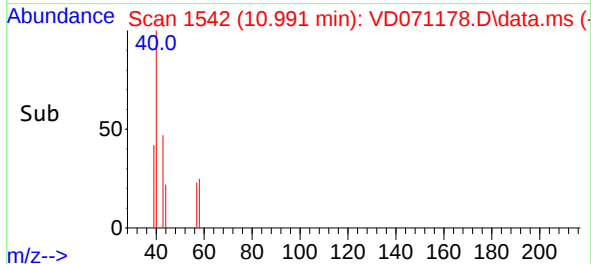
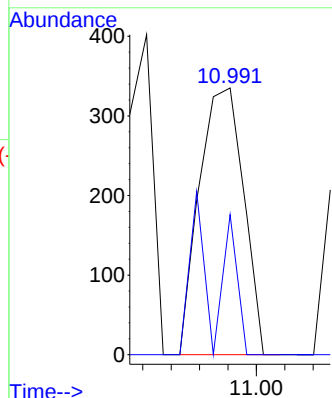
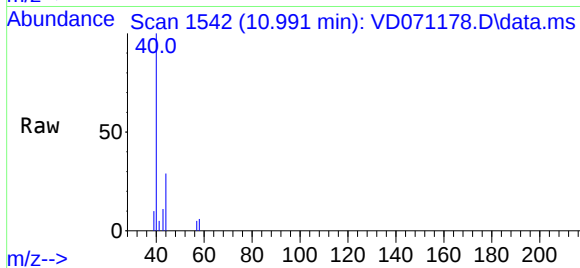
ClientSampleId :

Tgt Ion: 43 Resp: 363

Ion Ratio Lower Upper

43 100

58 36.9 28.7 86.1



#62

4-Bromofluorobenzene

Concen: 60.42 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071178.D

Acq: 07 Dec 2021 12:49

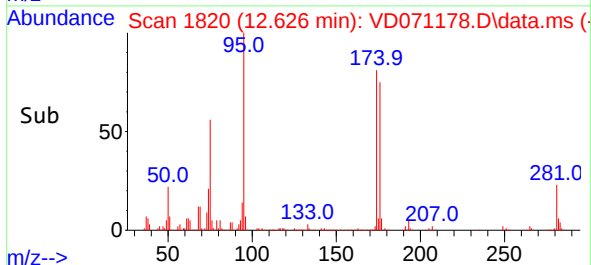
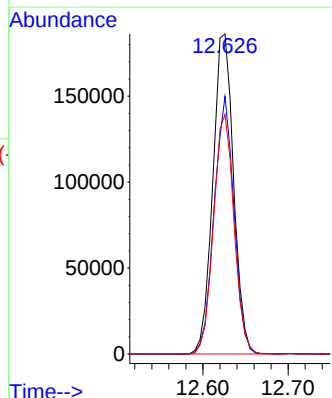
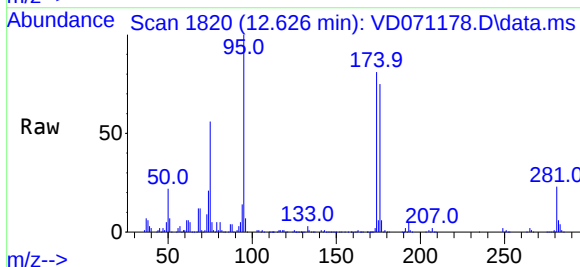
Tgt Ion: 95 Resp: 314640

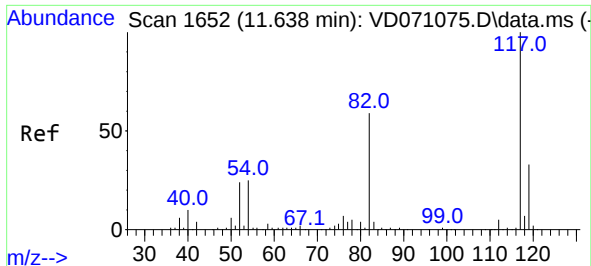
Ion Ratio Lower Upper

95 100

174 77.1 0.0 159.4

176 73.8 0.0 154.0

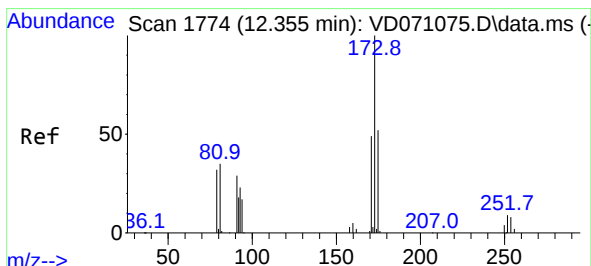
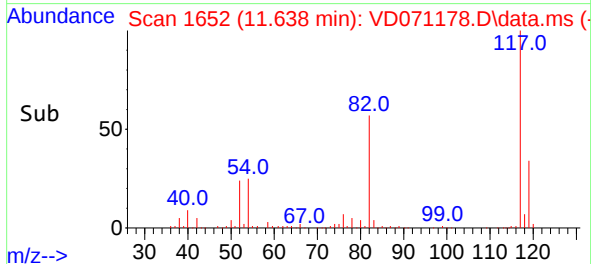
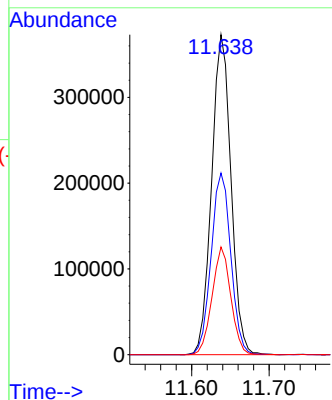
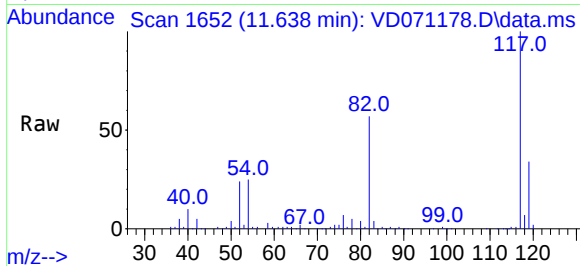




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

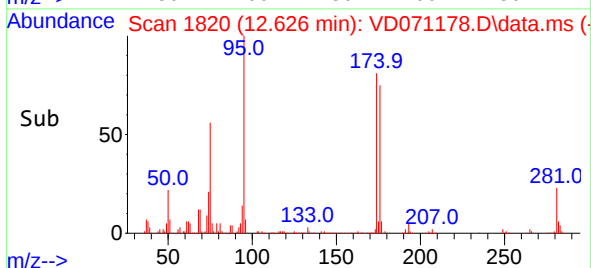
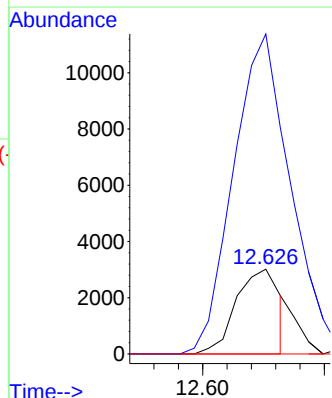
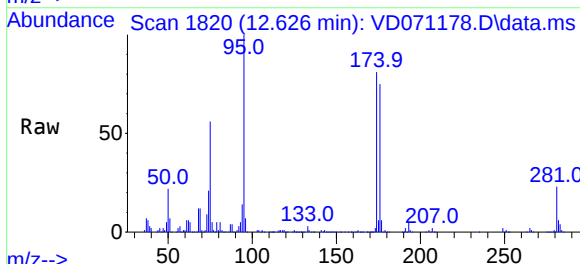
Instrument :
MSVOA_D
ClientSampleId :

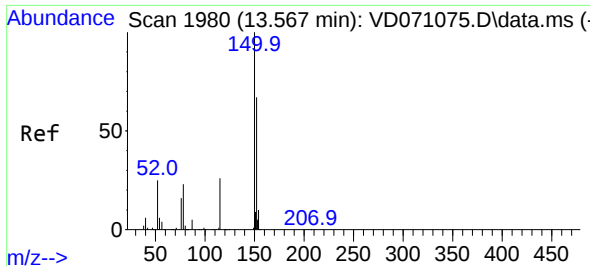
Tgt Ion:117 Resp: 648257
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 33.6 26.2 39.4



#71
Bromoform
Concen: 1.65 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

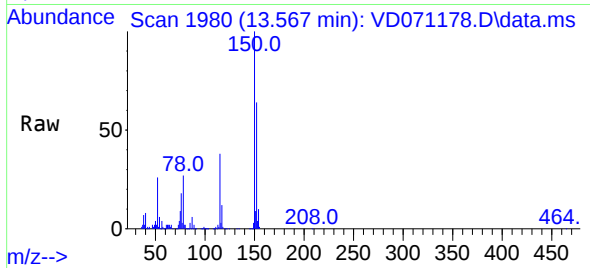
Tgt Ion:173 Resp: 3752
Ion Ratio Lower Upper
173 100
175 401.5 24.1 72.2#
254 0.0 0.1 0.1#



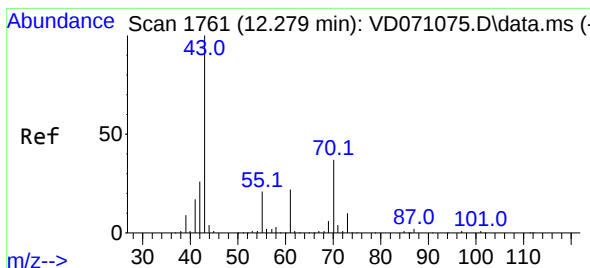
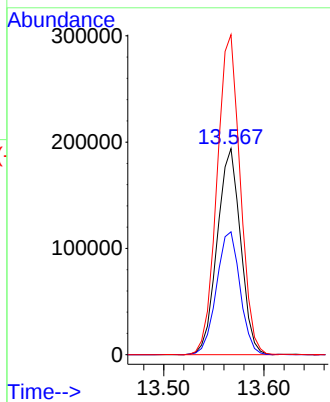
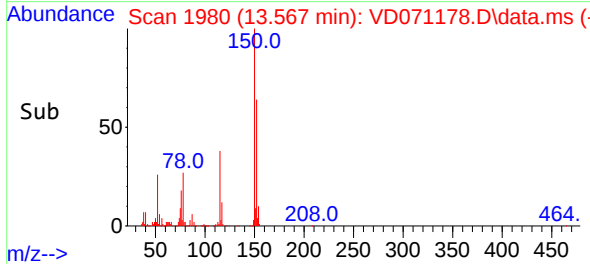


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

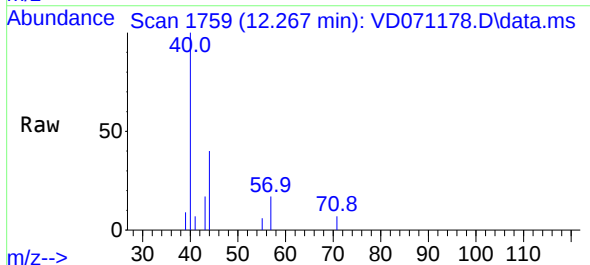
Instrument :
MSVOA_D
ClientSampleId :



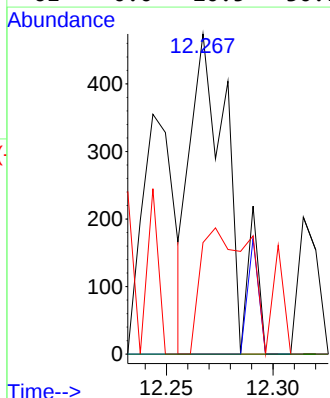
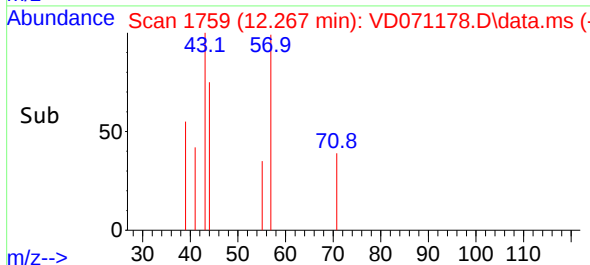
Tgt Ion:152 Resp: 314118
Ion Ratio Lower Upper
152 100
115 60.3 29.8 89.3
150 154.2 0.0 349.2

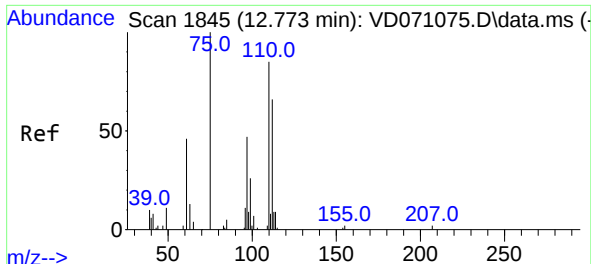


#74
N-ethyl acetate
Concen: 5.79 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49



Tgt Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 58.4 22.5 33.7#
61 0.0 20.5 30.7#

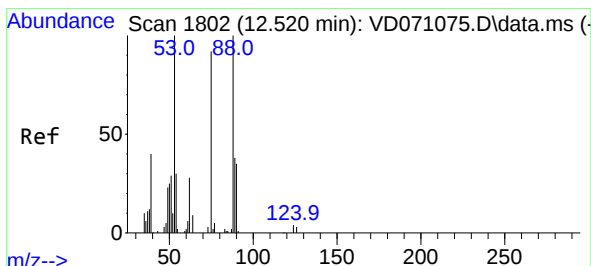
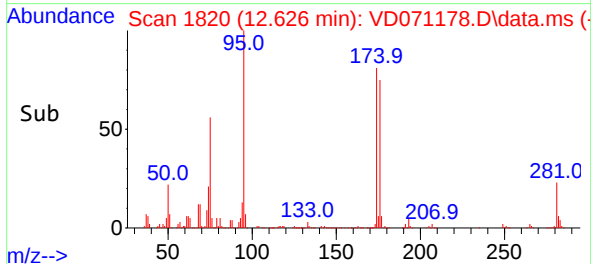
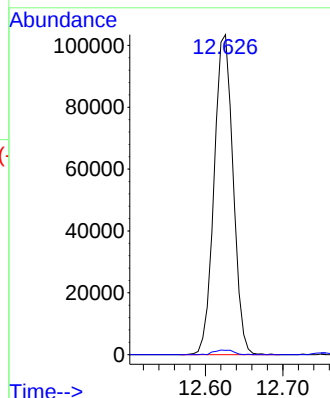
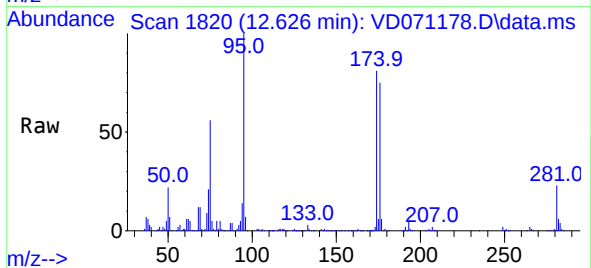




#76
1,2,3-Trichloropropane
Concen: 58.85 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 176139
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.53 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071178.D
Acq: 07 Dec 2021 12:49

Tgt Ion: 75 Resp: 176139
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.5 34.5 51.7#

