

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071157.D
 Acq On : 04 Dec 2021 21:32
 Operator : VA/SY
 Sample : M4927-13
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:34:38 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)

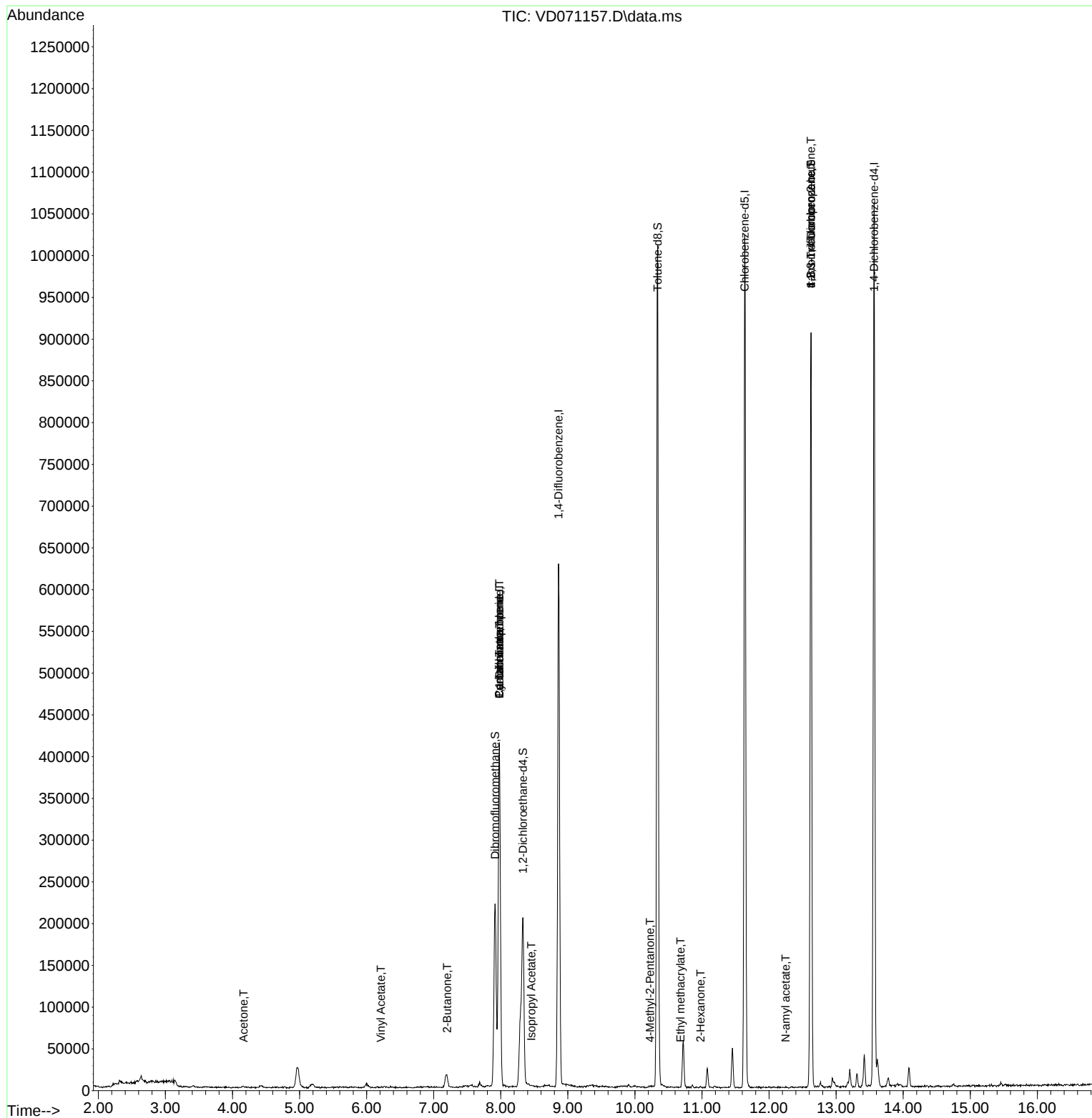
Internal Standards						
1) Pentafluorobenzene	7.979	168	289352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	501921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	533410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	259798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	151137	44.515	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.020%		
35) Dibromofluoromethane	7.914	113	153799	48.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.240%		
50) Toluene-d8	10.338	98	649157	53.371	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.740%		
62) 4-Bromofluorobenzene	12.626	95	257521	61.079	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	122.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.161	59	1470	Below Cal	#	71
16) Acetone	4.167	43	2305	33.038	ug/l #	40
20) Methylene Chloride	4.961	84	10692	Below Cal		93
23) Vinyl Acetate	6.214	43	78	27.231	ug/l #	72
25) 2-Butanone	7.202	43	573	28.847	ug/l #	45
31) Cyclohexane	7.979	56	8595	1.488	ug/l #	50
36) 1,1-Dichloropropene	7.979	75	26091	5.562	ug/l #	51
38) Carbon Tetrachloride	7.979	117	31040	6.712	ug/l #	18
41) Methacrylonitrile	7.555	41	179	Below Cal	#	12
43) Isopropyl Acetate	8.455	43	87	5.240	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	738	30.935	ug/l #	34
56) Ethyl methacrylate	10.679	69	97	5.996	ug/l #	1
59) 2-Hexanone	10.979	43	63	34.605	ug/l #	22
74) N-amyl acetate	12.249	43	62	5.712	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	143184	57.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	143184	125.449	ug/l #	18

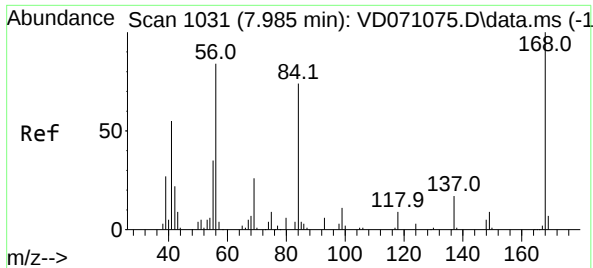
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Dec 06 04:34:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
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Response via : Initial Calibration

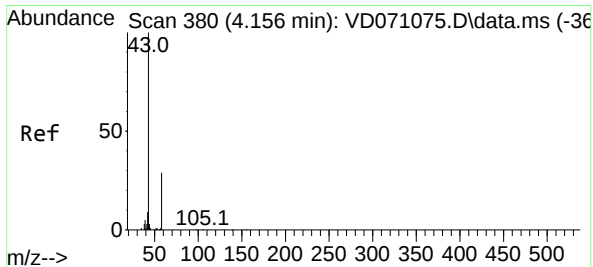
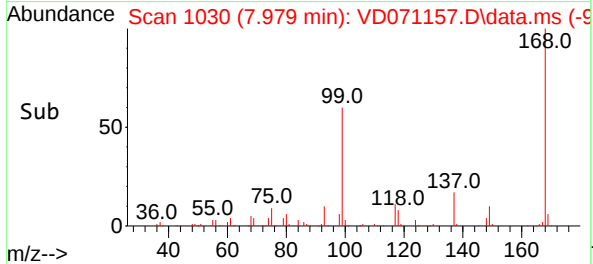
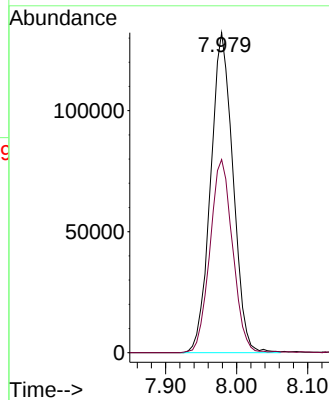
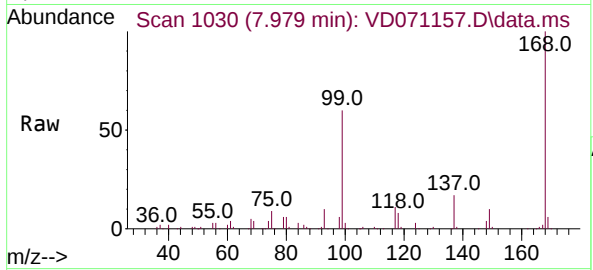




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

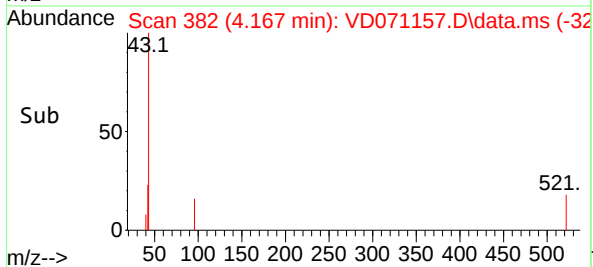
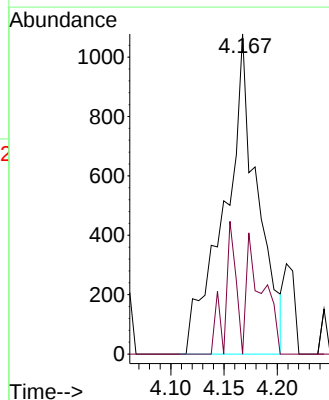
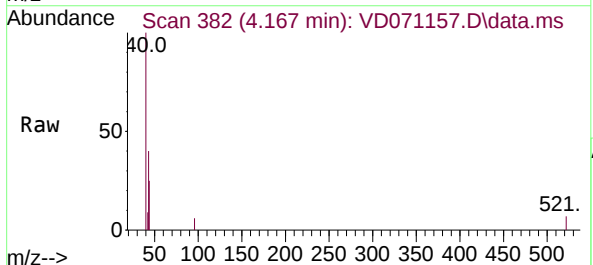
Instrument :
MSVOA_D
ClientSampleId :

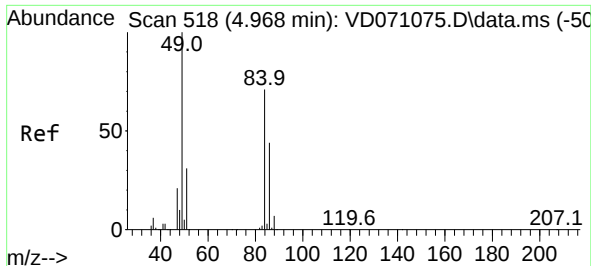
Tgt Ion:168 Resp: 289352
Ion Ratio Lower Upper
168 100
99 60.3 46.6 69.8



#16
Acetone
Concen: 33.038 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

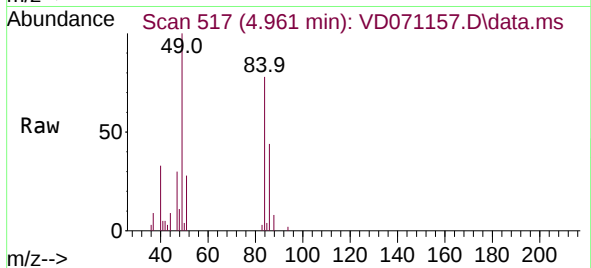
Tgt Ion: 43 Resp: 2305
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



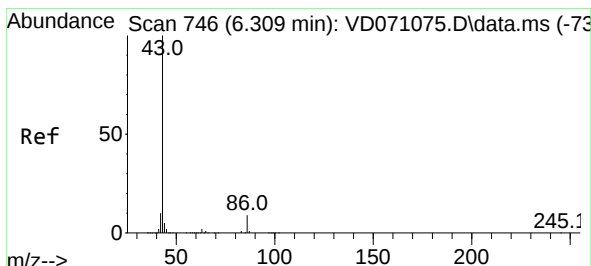
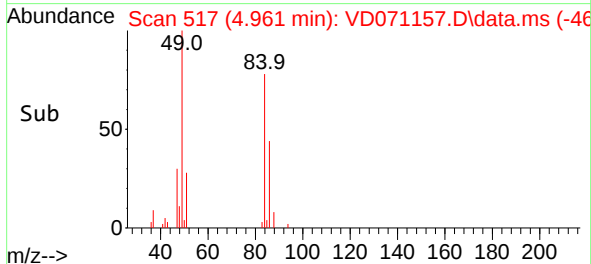
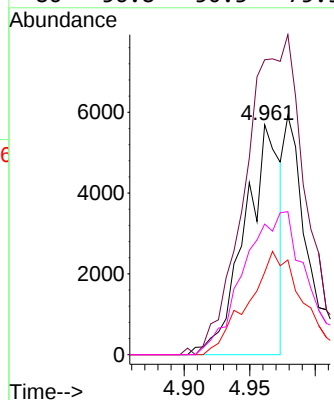


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 518
Delta R.T. -0.007 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Instrument :
MSVOA_D
ClientSampleId :

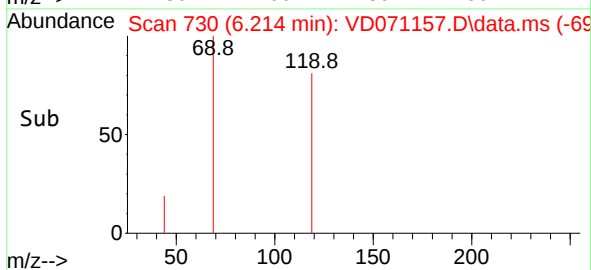
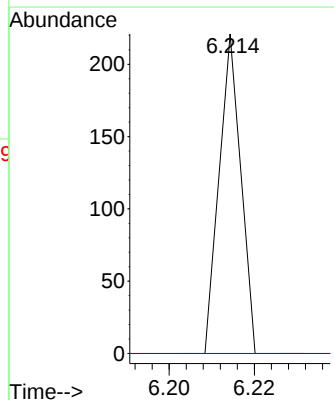
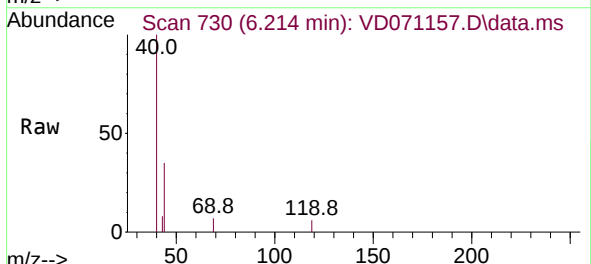


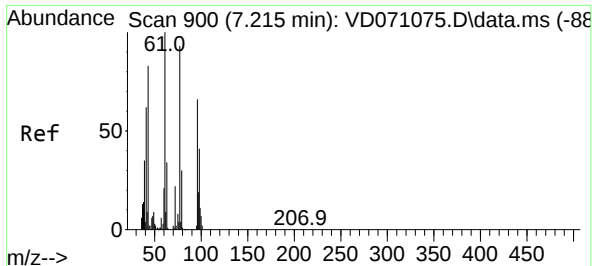
Tgt Ion: 84	Resp: 10692
Ion Ratio	Lower Upper
84 100	
49 128.2	95.8 143.6
51 35.8	30.9 46.3
86 56.8	50.3 75.5



#23
Vinyl Acetate
Concen: 27.231 ug/l
RT: 6.214 min Scan# 730
Delta R.T. -0.095 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Tgt Ion: 43	Resp: 78
Ion Ratio	Lower Upper
43 100	
86 0.0	8.2 12.4#

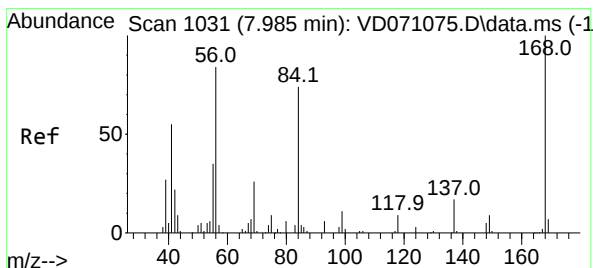
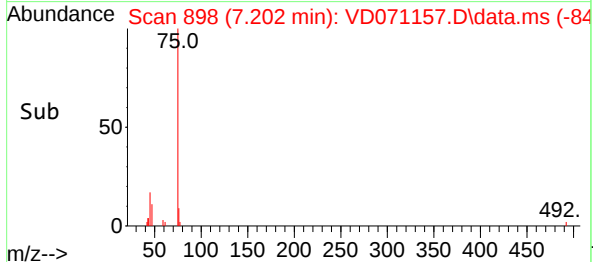
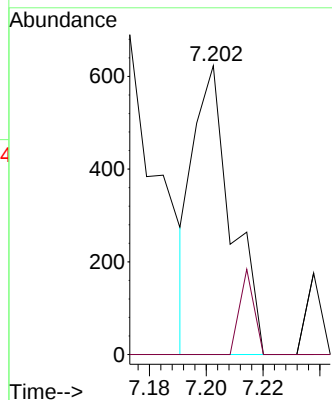
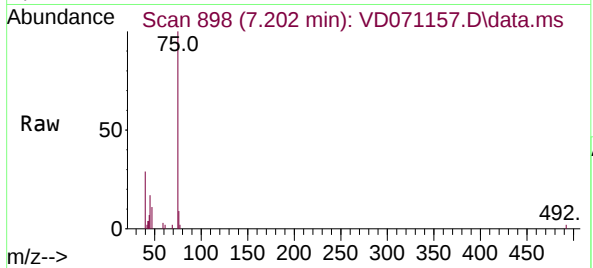




#25
2-Butanone
Concen: 28.847 ug/l
RT: 7.202 min Scan# 89
Delta R.T. -0.013 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

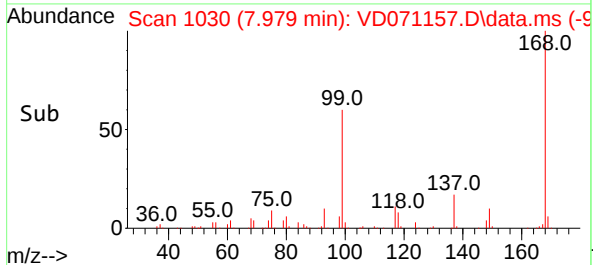
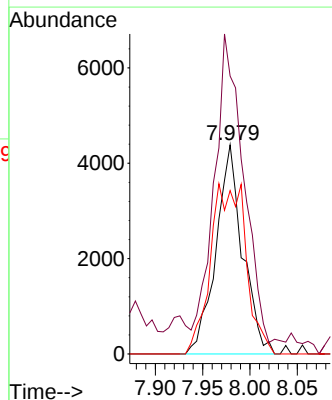
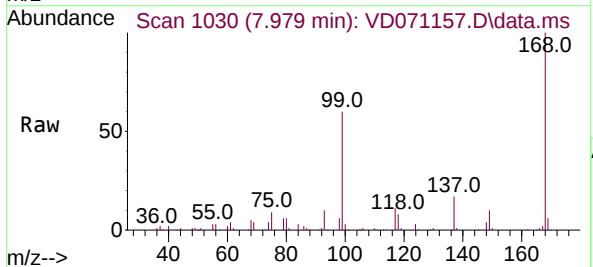
Instrument :
MSVOA_D
ClientSampleId :

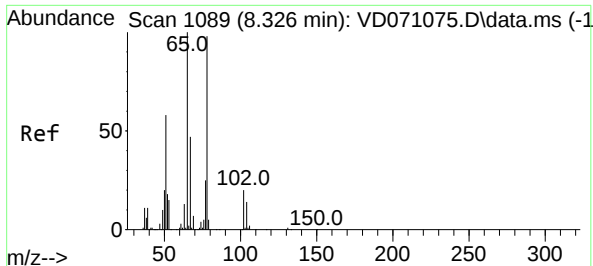
Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.488 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Tgt Ion: 56 Resp: 8595
Ion Ratio Lower Upper
56 100
69 126.6 25.9 38.9#
84 78.1 64.3 96.5





#33

1,2-Dichloroethane-d4

Concen: 44.515 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071157.D

Acq: 04 Dec 2021 21:32

Instrument :

MSVOA_D

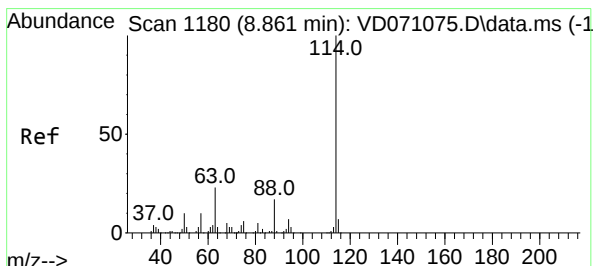
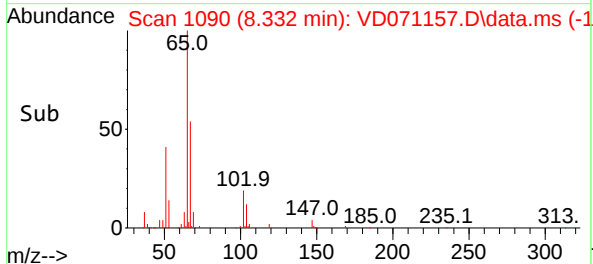
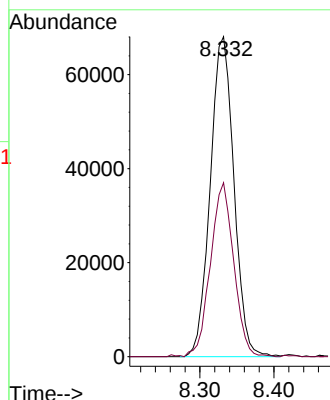
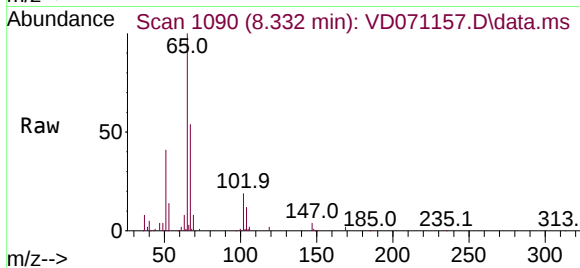
ClientSampleId :

Tgt Ion: 65 Resp: 151137

Ion Ratio Lower Upper

65 100

67 53.4 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071157.D

Acq: 04 Dec 2021 21:32

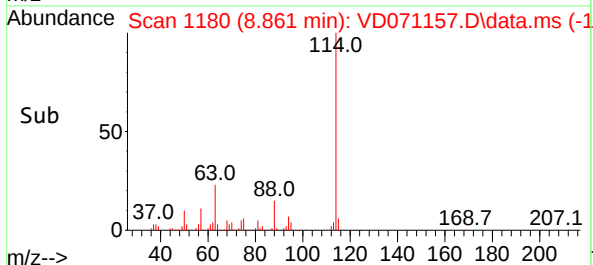
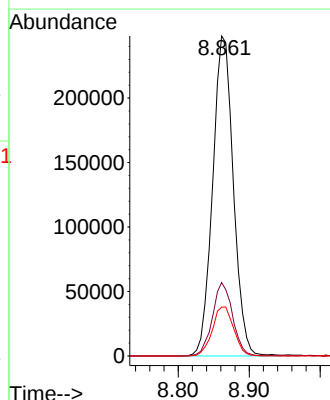
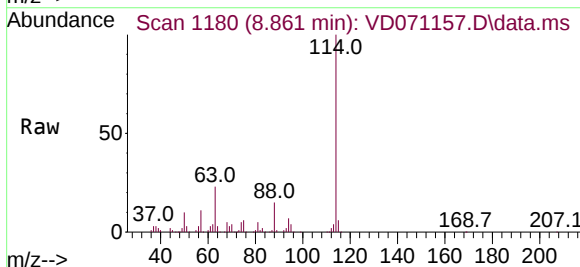
Tgt Ion: 114 Resp: 501921

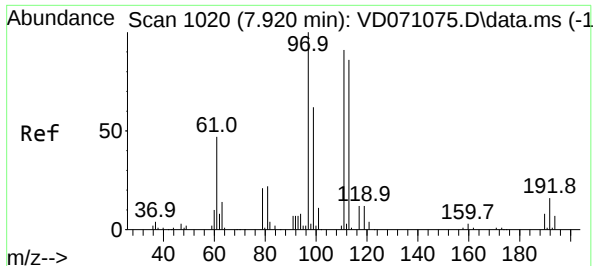
Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

88 15.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.120 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

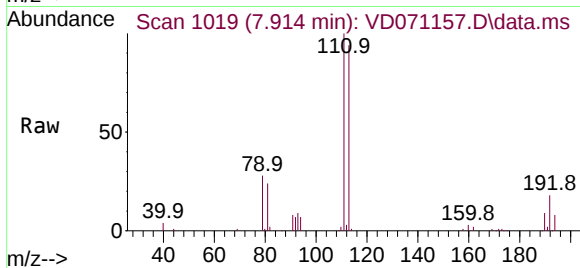
Lab File: VD071157.D

Acq: 04 Dec 2021 21:32

Instrument :

MSVOA_D

ClientSampleId :



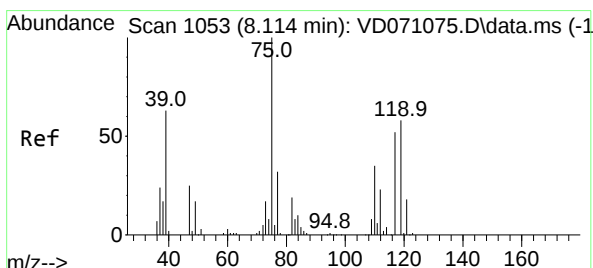
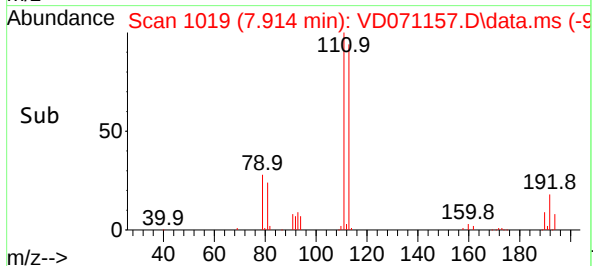
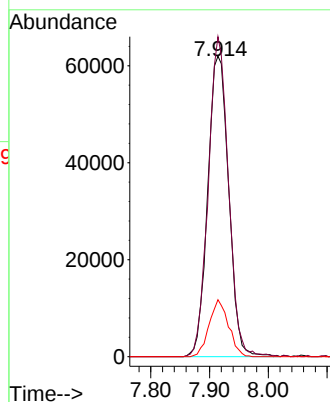
Tgt Ion:113 Resp: 153799

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 17.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.562 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071157.D

Acq: 04 Dec 2021 21:32

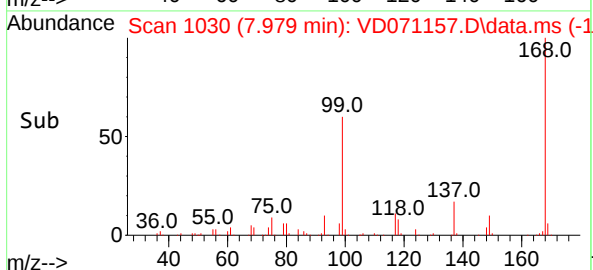
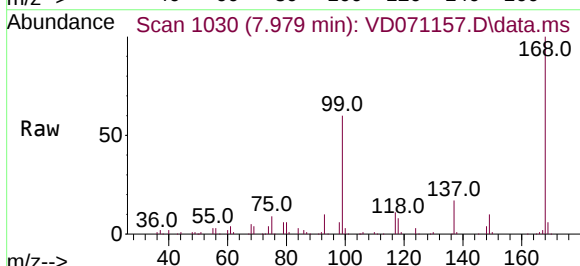
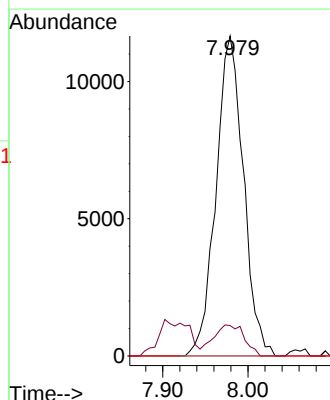
Tgt Ion: 75 Resp: 26091

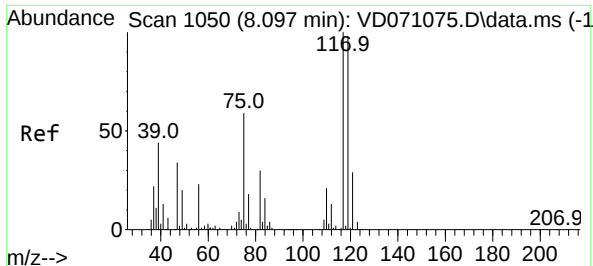
Ion Ratio Lower Upper

75 100

110 10.9 17.8 53.4#

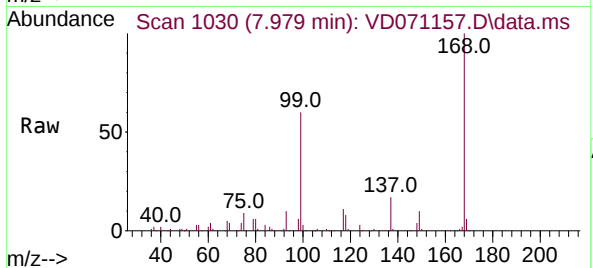
77 0.0 24.8 37.2#



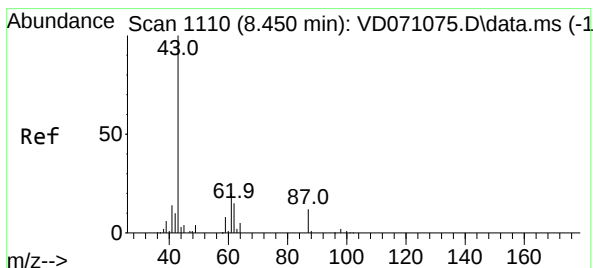
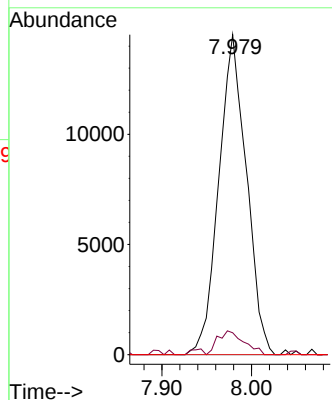
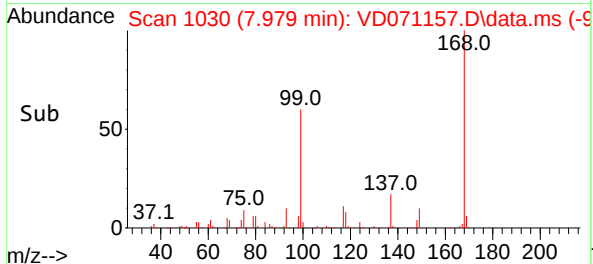


#38
Carbon Tetrachloride
Concen: 6.712 ug/l
RT: 7.979 min Scan# 11030
Delta R.T. -0.118 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Instrument :
MSVOA_D
ClientSampleId :

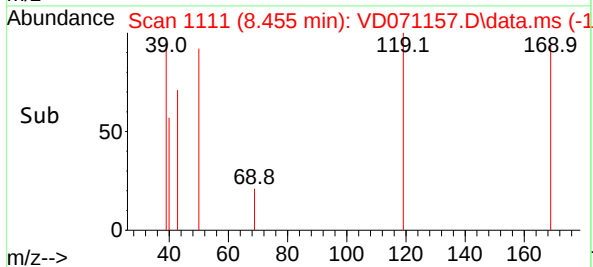
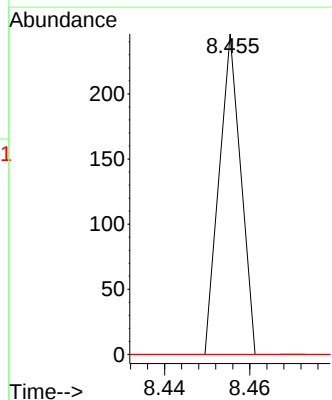
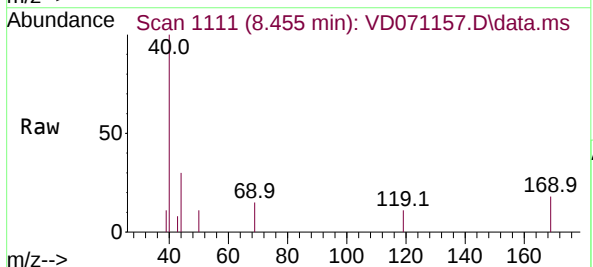


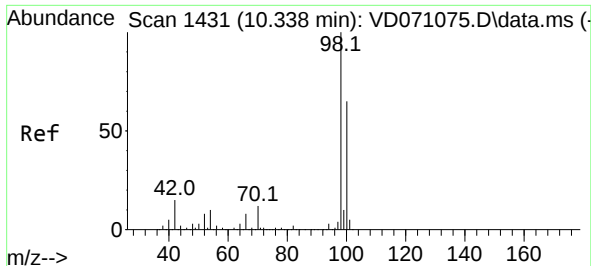
Tgt Ion:117 Resp: 31040
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.240 ug/l
RT: 8.455 min Scan# 1111
Delta R.T. 0.005 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

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

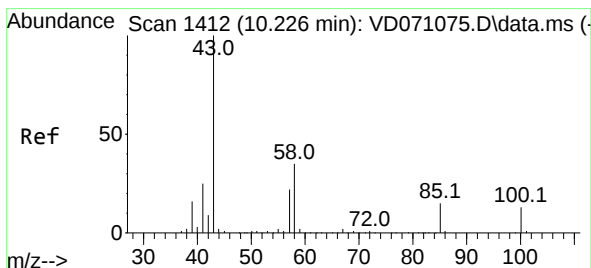
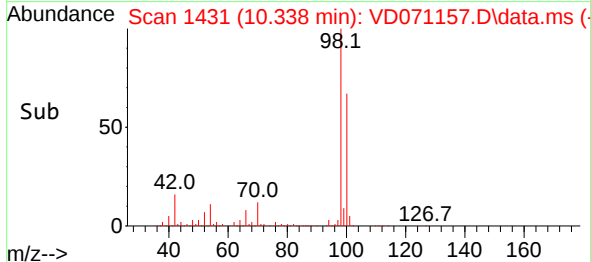
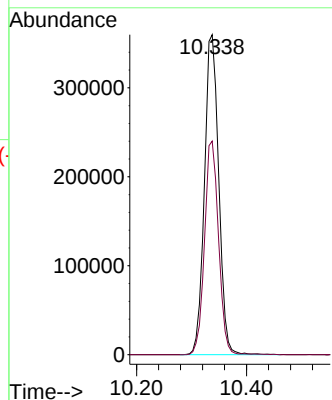
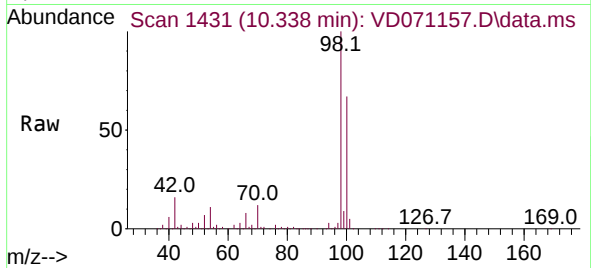




#50
Toluene-d8
Concen: 53.371 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

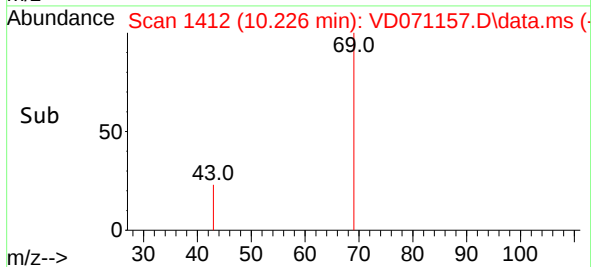
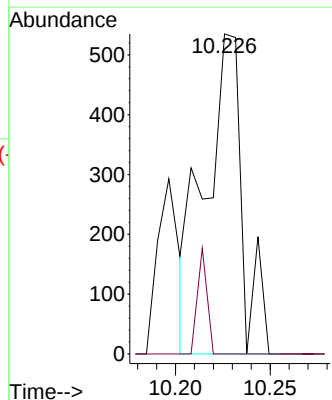
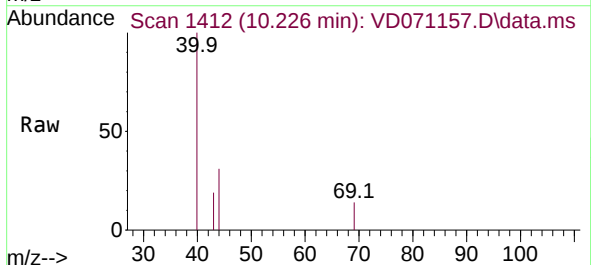
Instrument :
MSVOA_D
ClientSampleId :

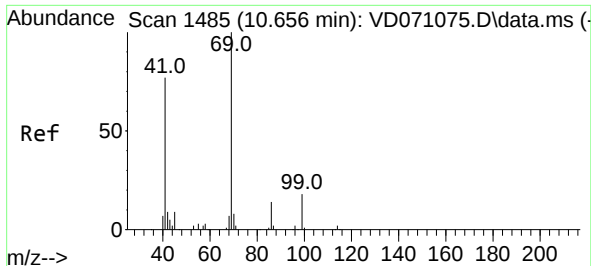
Tgt Ion: 98 Resp: 649157
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.935 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

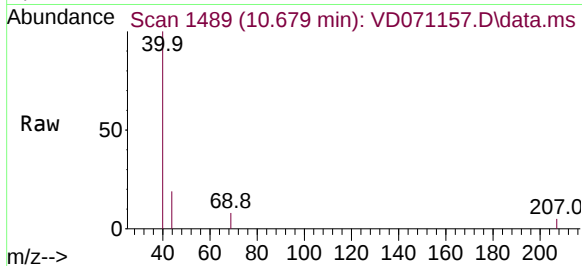
Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



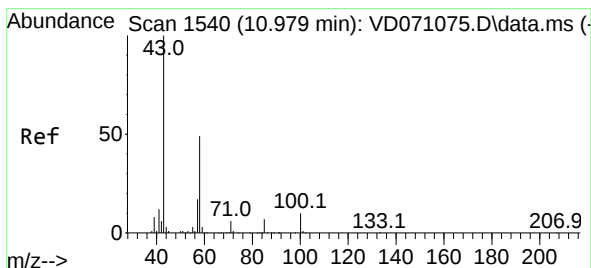
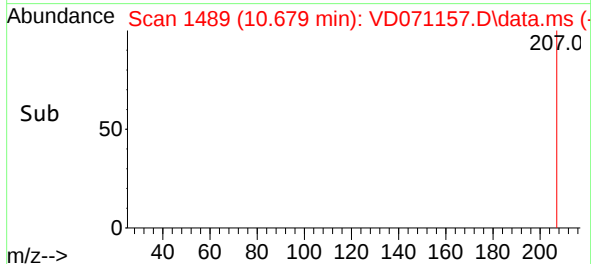
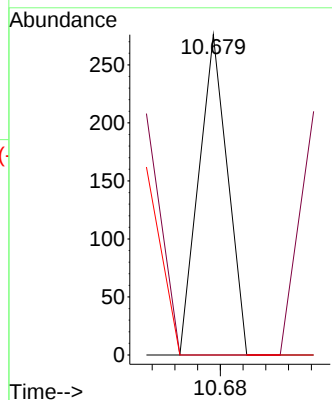


#56
Ethyl methacrylate
Concen: 5.996 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.023 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Instrument :
MSVOA_D
ClientSampleId :

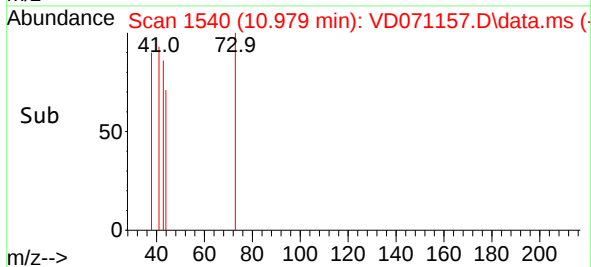
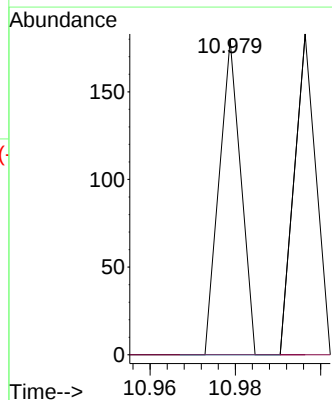
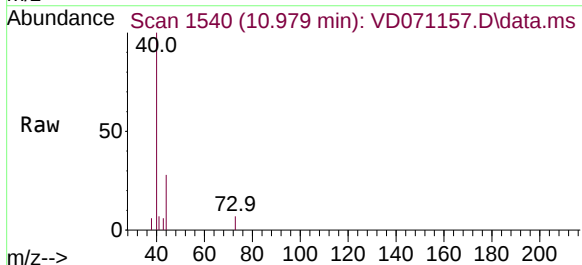


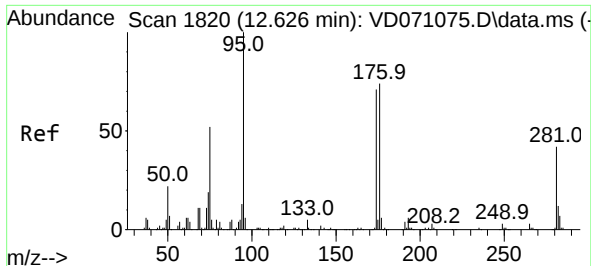
Tgt Ion: 69 Resp: 97
Ion Ratio Lower Upper
69 100
41 208.2 50.2 75.2#
39 58.8 19.8 29.8#



#59
2-Hexanone
Concen: 34.605 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

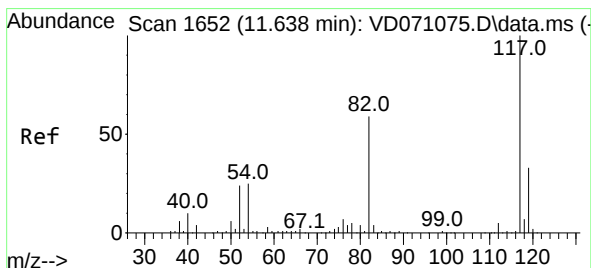
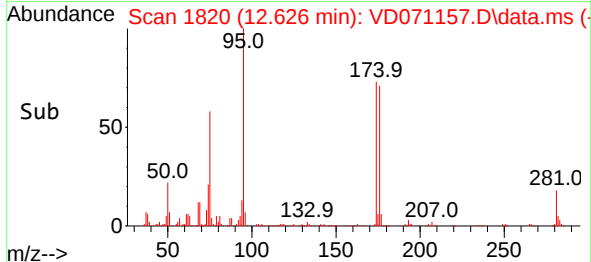
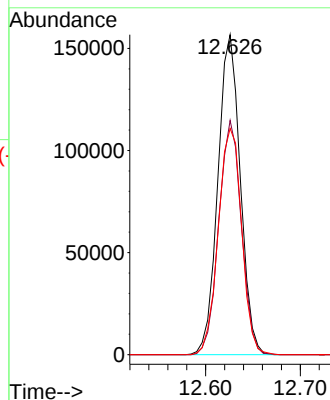
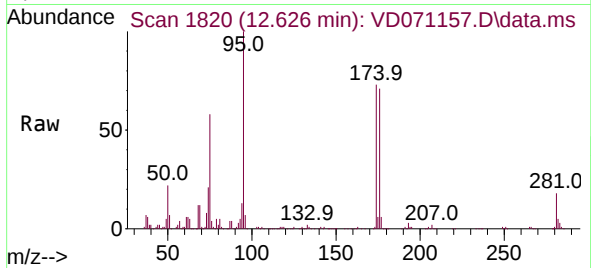




#62
4-Bromofluorobenzene
Concen: 61.079 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

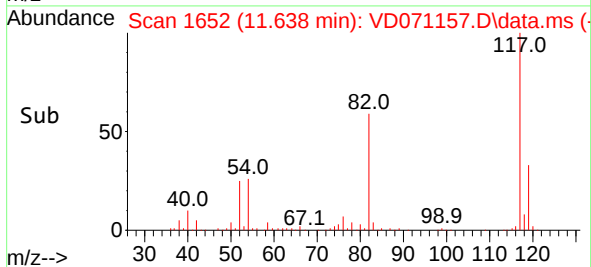
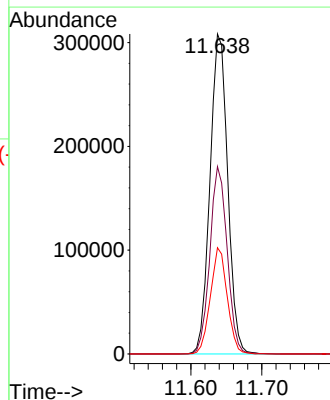
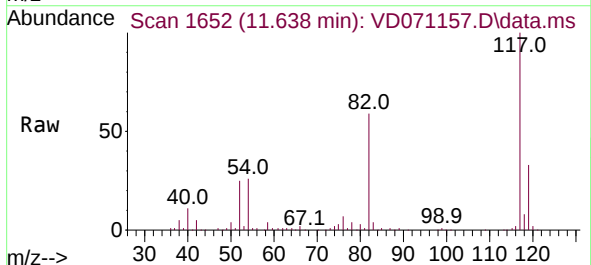
Instrument :
MSVOA_D
ClientSampleId :

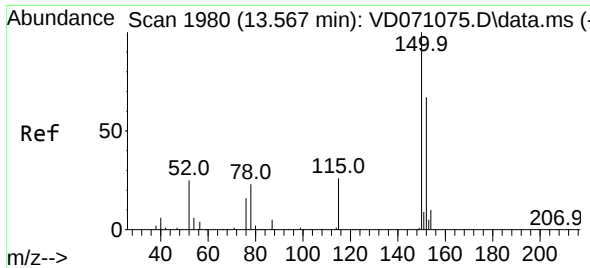
Tgt Ion: 95 Resp: 257521
Ion Ratio Lower Upper
95 100
174 73.8 0.0 159.4
176 73.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

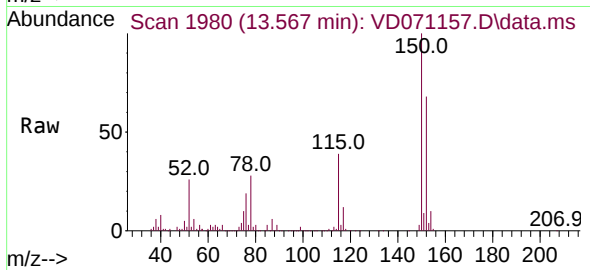
Tgt Ion: 117 Resp: 533410
Ion Ratio Lower Upper
117 100
82 58.5 44.7 67.1
119 33.2 26.2 39.4



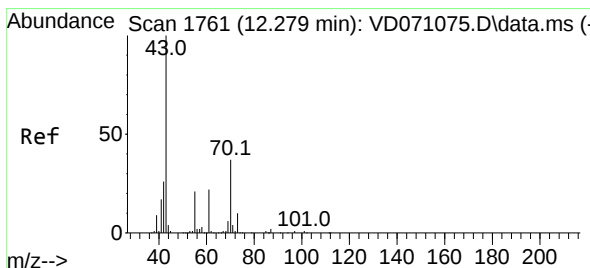
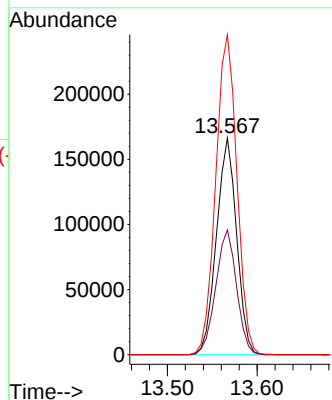
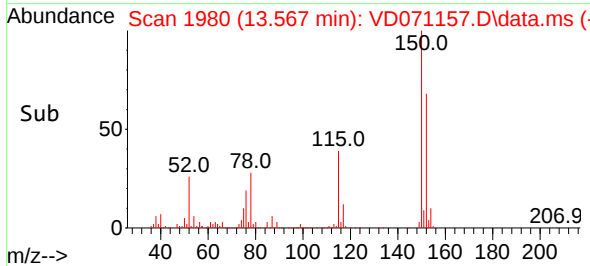


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

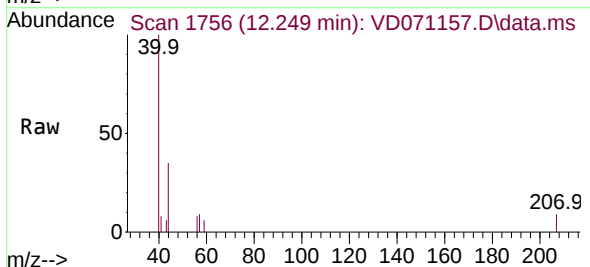
Instrument :
MSVOA_D
ClientSampleId :



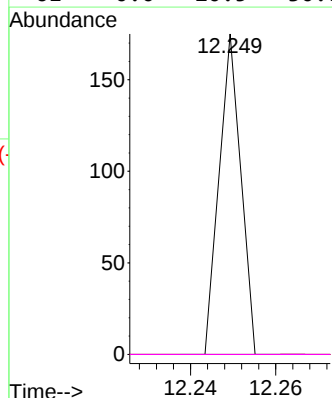
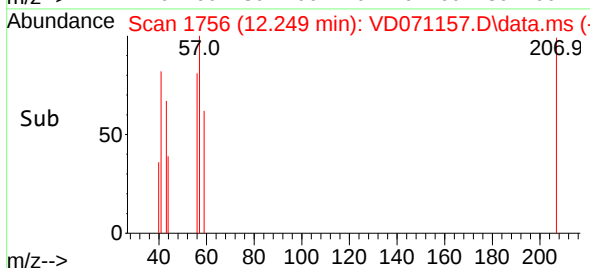
Tgt Ion:152 Resp: 259798
Ion Ratio Lower Upper
152 100
115 59.3 29.8 89.3
150 154.7 0.0 349.2

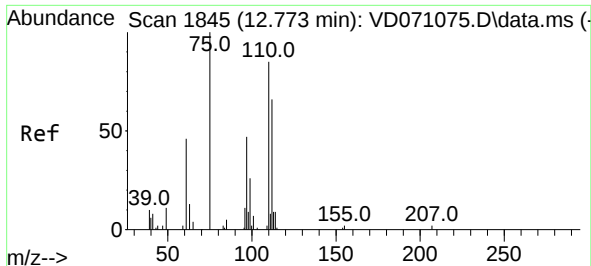


#74
N-ethyl acetate
Concen: 5.712 ug/l
RT: 12.249 min Scan# 1756
Delta R.T. -0.030 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32



Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

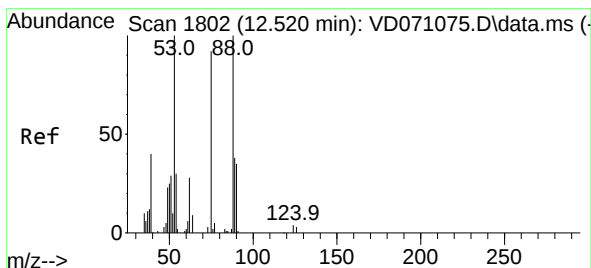
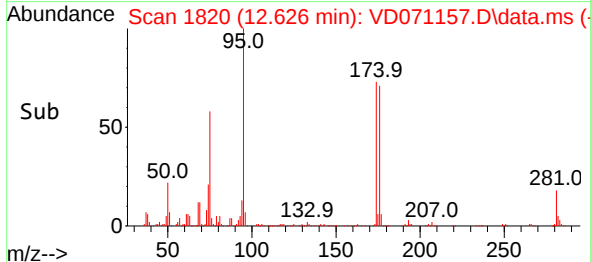
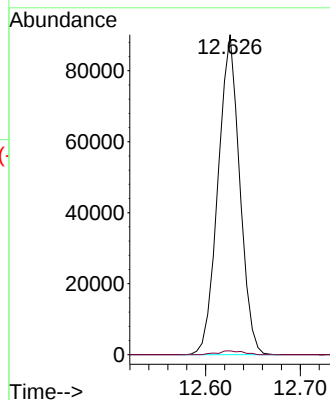
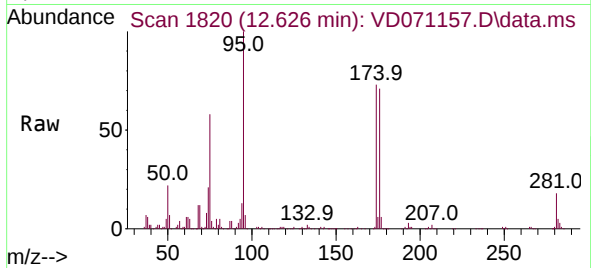




#76
1,2,3-Trichloropropane
Concen: 57.846 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 143184
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.449 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071157.D
Acq: 04 Dec 2021 21:32

Tgt Ion: 75 Resp: 143184
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 34.5 51.7#

