

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071257.D
 Acq On : 10 Dec 2021 17:47
 Operator : VA/SY
 Sample : M5018-09
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 04:41:48 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)

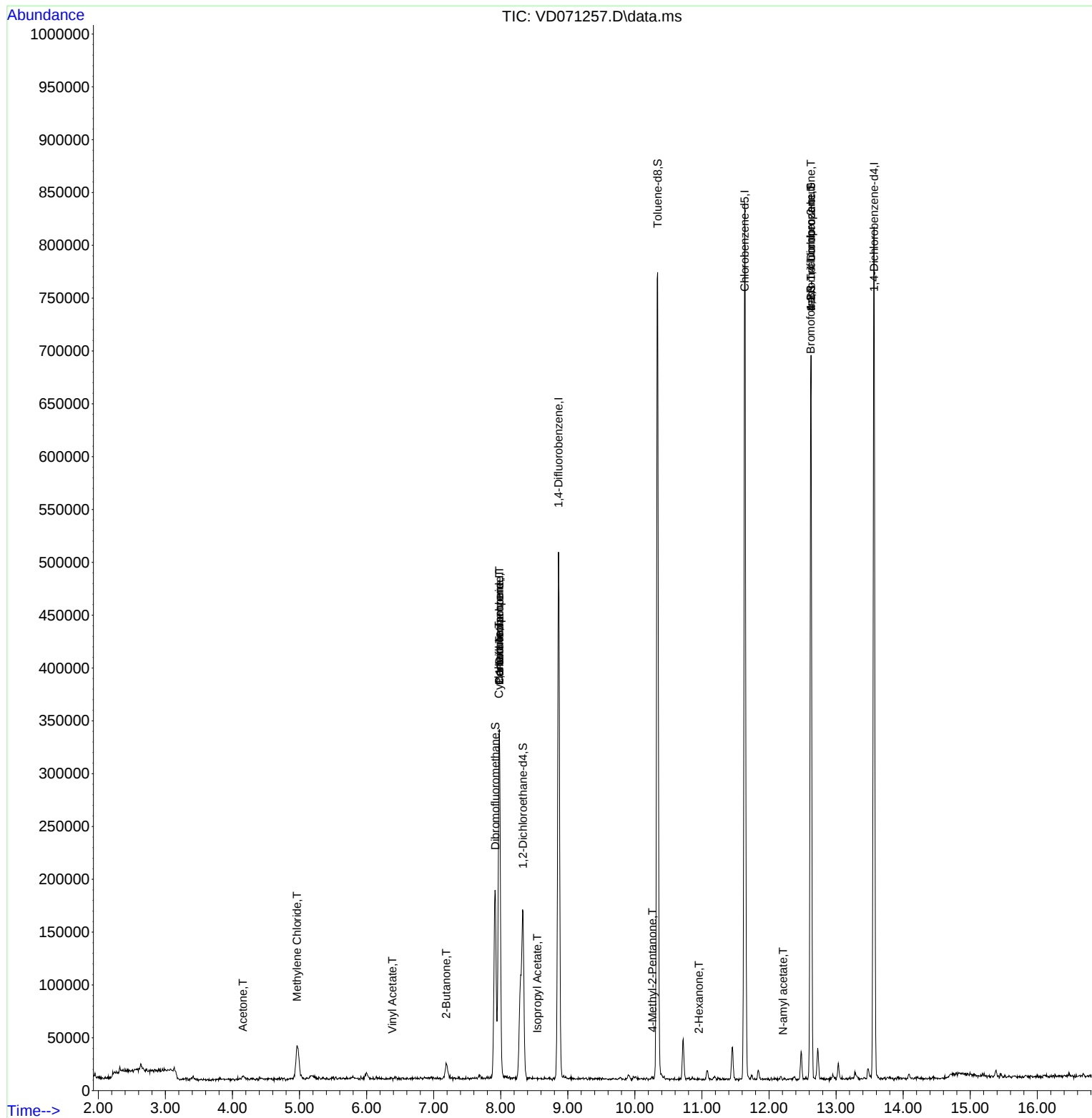
Internal Standards						
1) Pentafluorobenzene	7.979	168	227942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	393689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	429255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	198642	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	119536	44.69	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.38%		
35) Dibromofluoromethane	7.920	113	122531	48.88	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.76%		
50) Toluene-d8	10.338	98	502659	52.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.38%		
62) 4-Bromofluorobenzene	12.626	95	205929	62.27	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	124.54%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.185	59	2390	Below Cal	#	71
16) Acetone	4.156	43	5427	37.50	ug/l #	71
20) Methylene Chloride	4.962	84	22555	4.56	ug/l	94
23) Vinyl Acetate	6.385	43	56	27.23	ug/l #	72
25) 2-Butanone	7.185	43	574	28.98	ug/l	99
31) Cyclohexane	7.973	56	6733	1.48	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	21959	5.97	ug/l #	49
38) Carbon Tetrachloride	7.979	117	25401	7.00	ug/l #	17
41) Methacrylonitrile	7.509	41	58	Below Cal	#	1
43) Isopropyl Acetate	8.544	43	169	5.27	ug/l #	47
51) 4-Methyl-2-Pentanone	10.261	43	264	30.78	ug/l #	34
59) 2-Hexanone	10.955	43	64	34.61	ug/l #	22
71) Bromoform	12.620	173	2046	1.36	ug/l #	1
74) N-amyl acetate	12.208	43	54	5.71	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	114332	60.41	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	114332	130.75	ug/l #	18

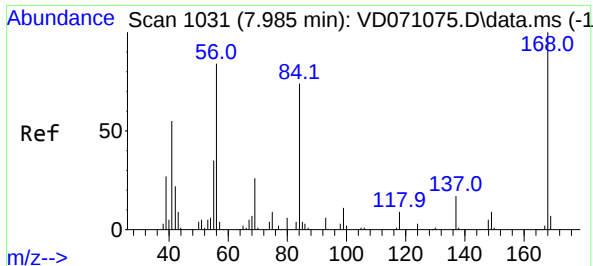
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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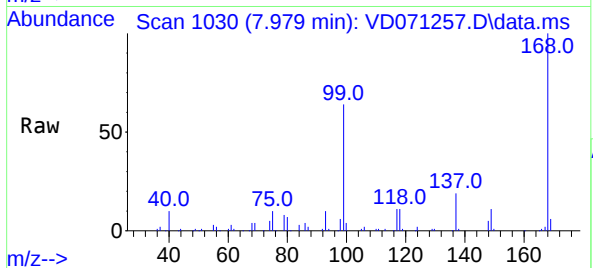
Quant Time: Dec 11 04:41:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



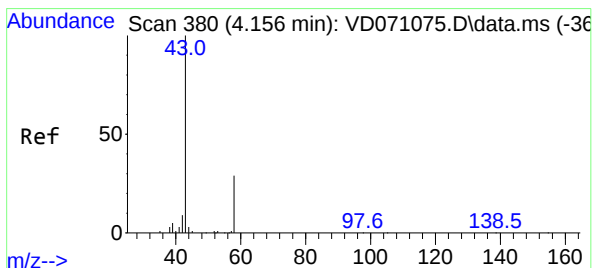
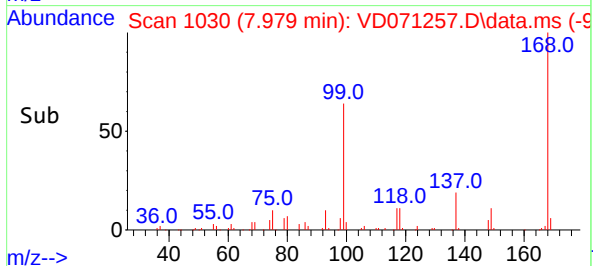
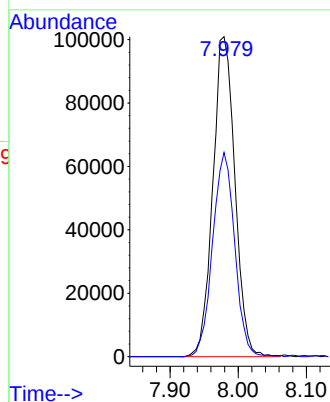


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :

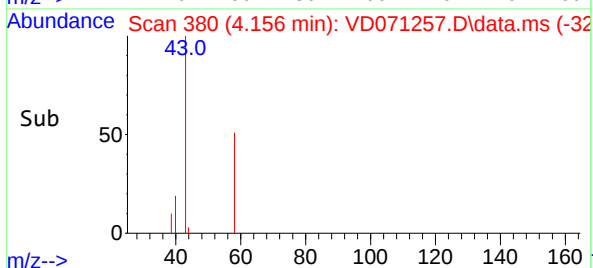
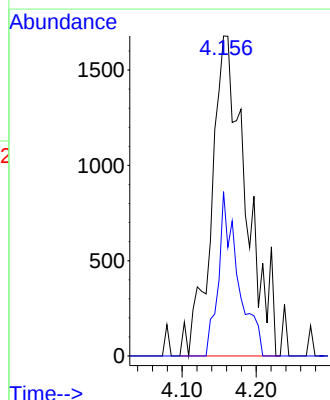
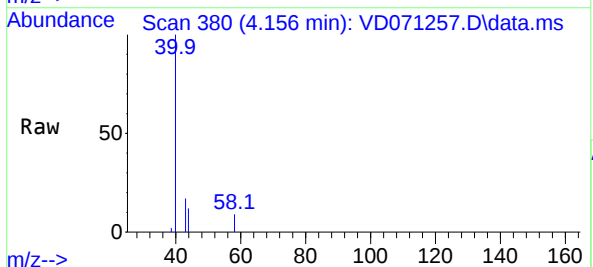


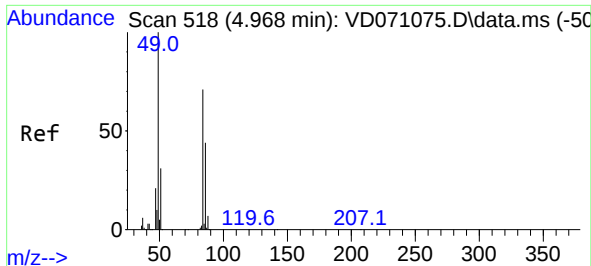
Tgt Ion:168 Resp: 227942
Ion Ratio Lower Upper
168 100
99 63.8 46.6 69.8



#16
Acetone
Concen: 37.50 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

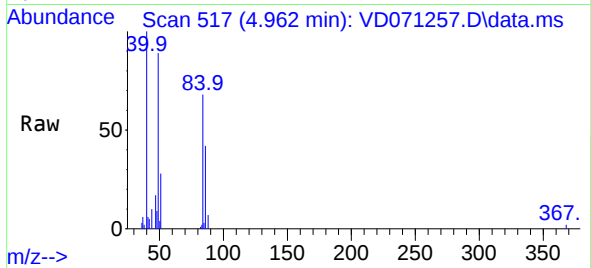
Tgt Ion: 43 Resp: 5427
Ion Ratio Lower Upper
43 100
58 51.3 27.8 41.8#





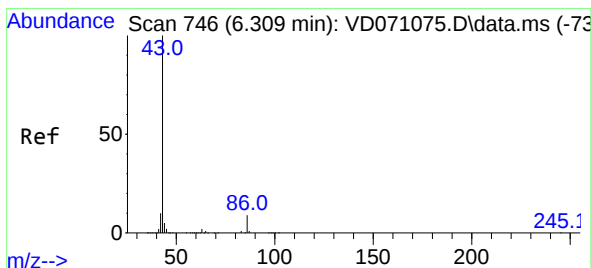
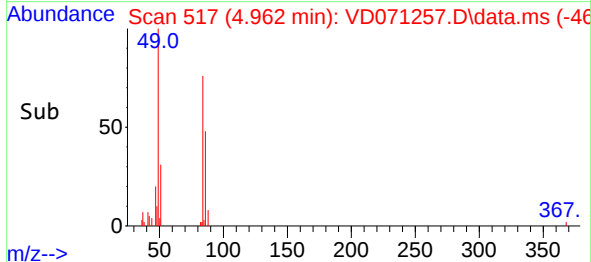
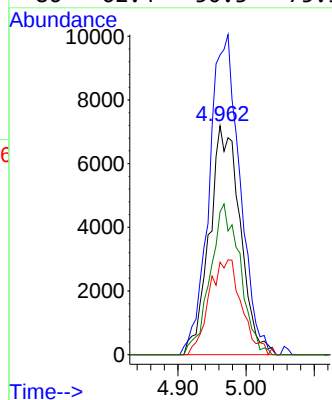
#20
Methylene Chloride
Concen: 4.56 ug/l
RT: 4.962 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 22555

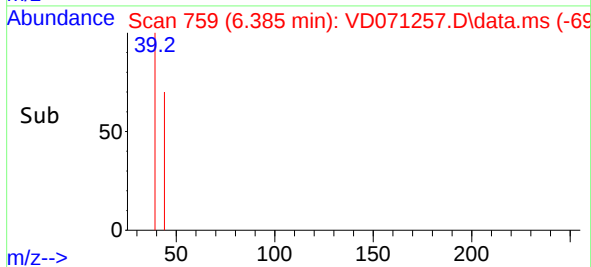
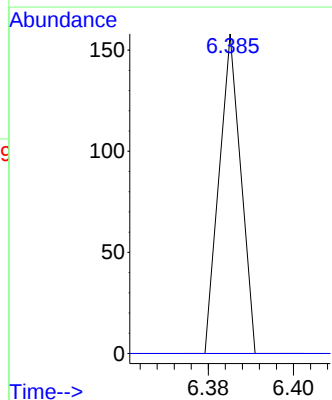
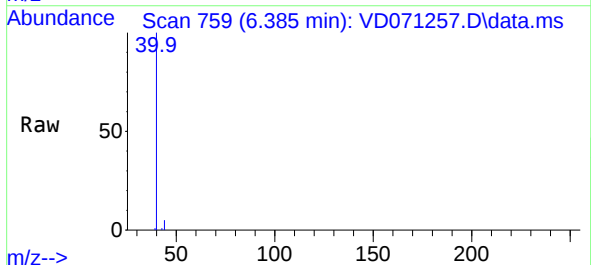
Ion	Ratio	Lower	Upper
84	100		
49	131.0	95.8	143.6
51	40.4	30.9	46.3
86	62.4	50.3	75.5

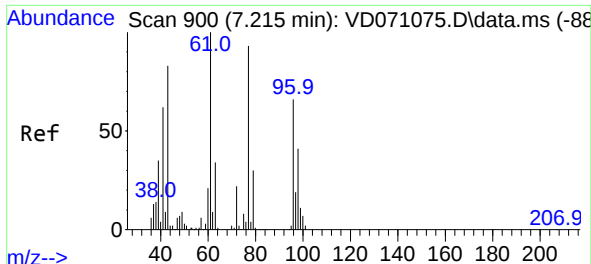


#23
Vinyl Acetate
Concen: 27.23 ug/l
RT: 6.385 min Scan# 759
Delta R.T. 0.076 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Tgt Ion: 43 Resp: 56

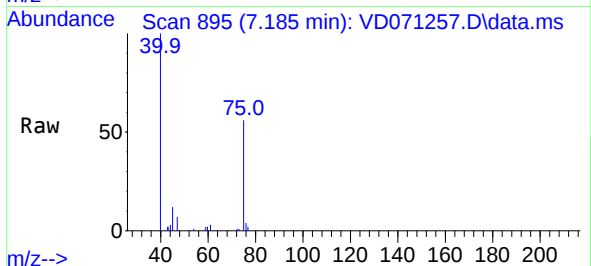
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4



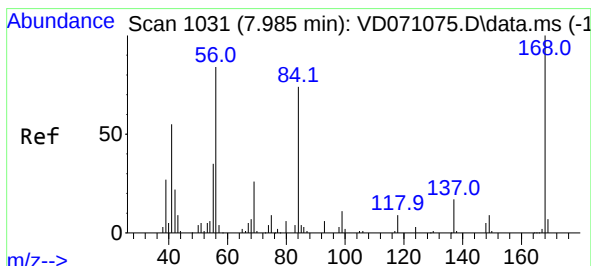
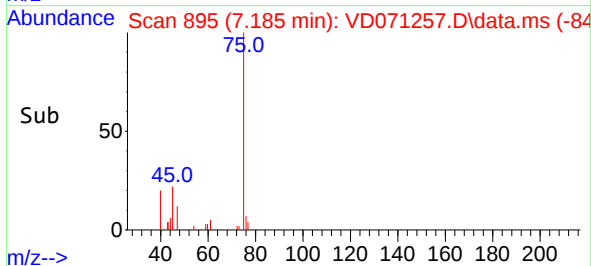
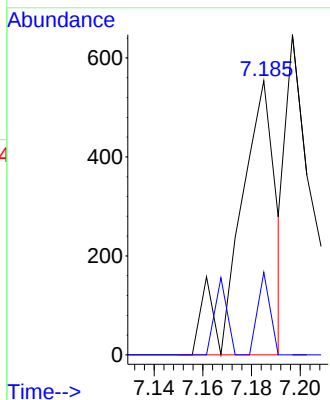


#25
2-Butanone
Concen: 28.98 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.030 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :

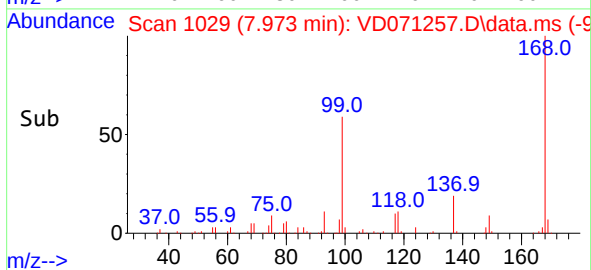
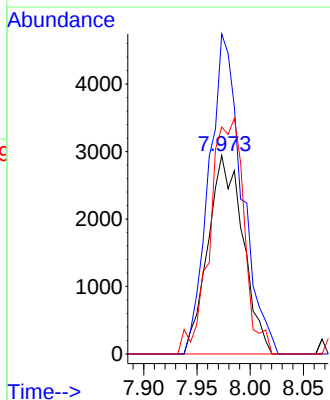
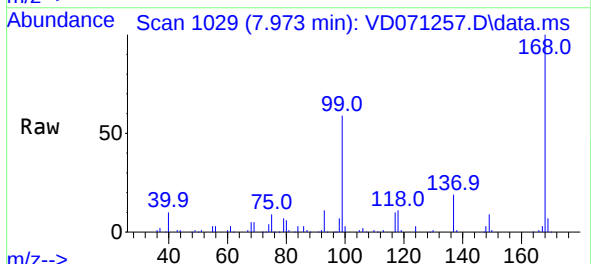


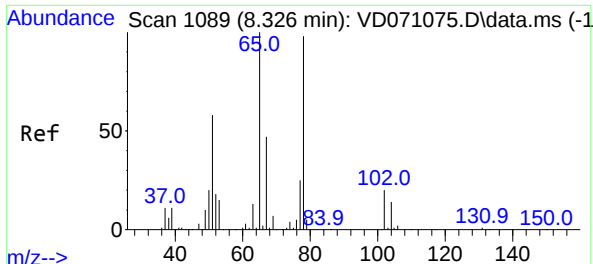
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
72 30.1 23.8 35.6



#31
Cyclohexane
Concen: 1.48 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Tgt Ion: 56 Resp: 6733
Ion Ratio Lower Upper
56 100
69 161.2 25.9 38.9#
84 114.3 64.3 96.5#

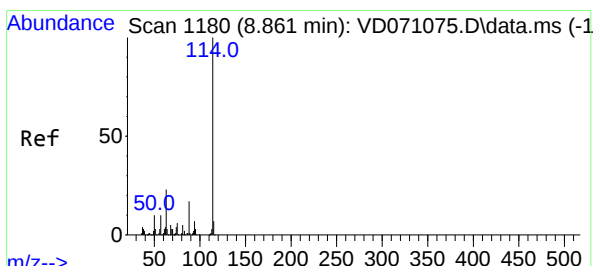
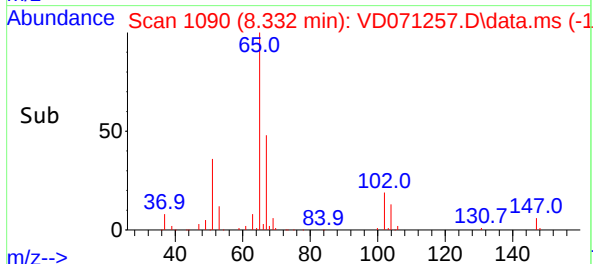
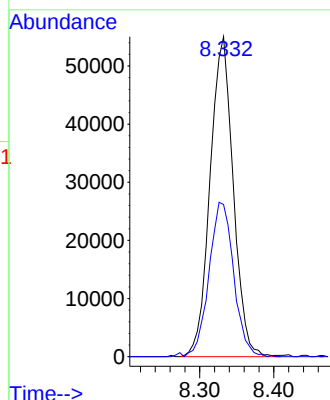
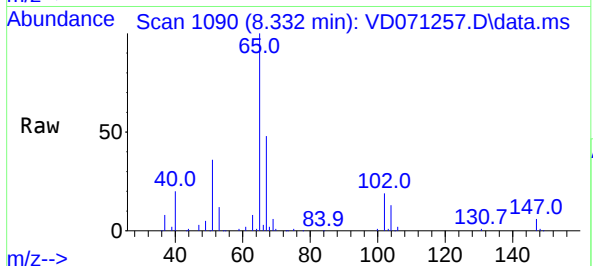




#33
1,2-Dichloroethane-d4
Concen: 44.69 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

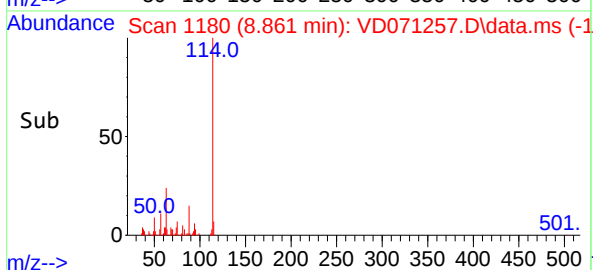
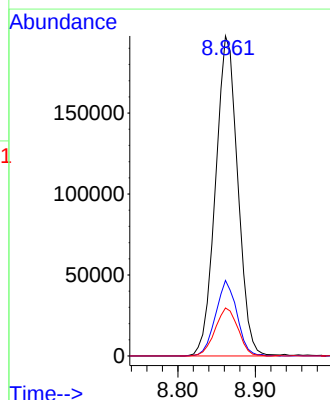
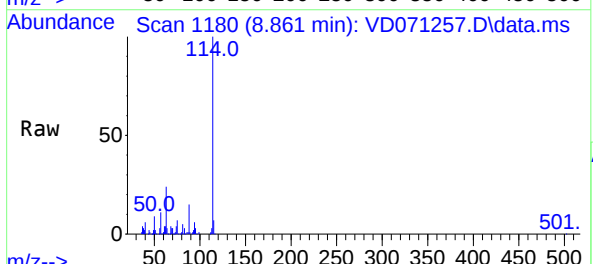
Instrument :
MSVOA_D
ClientSampleId :

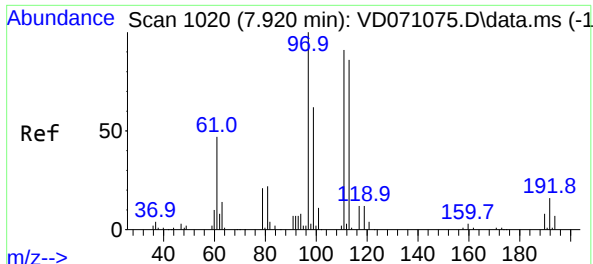
Tgt Ion: 65 Resp: 119536
Ion Ratio Lower Upper
65 100
67 51.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

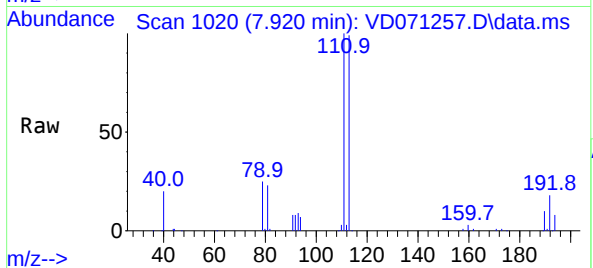
Tgt Ion:114 Resp: 393689
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.8
88 15.0 0.0 32.8



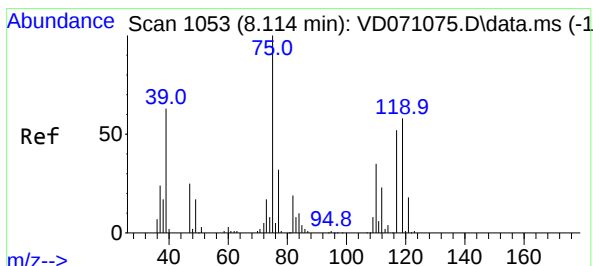
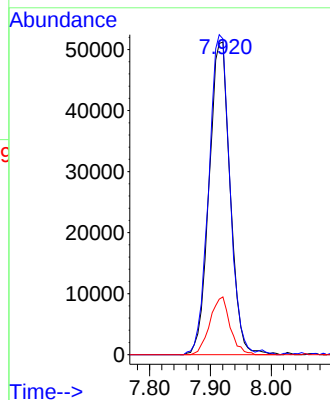
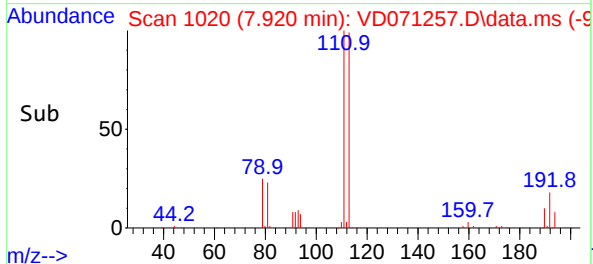


#35
Dibromofluoromethane
Concen: 48.88 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

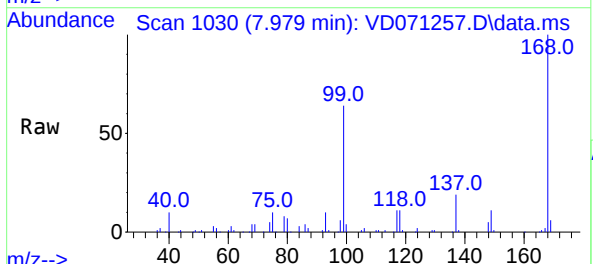
Instrument :
MSVOA_D
ClientSampleId :



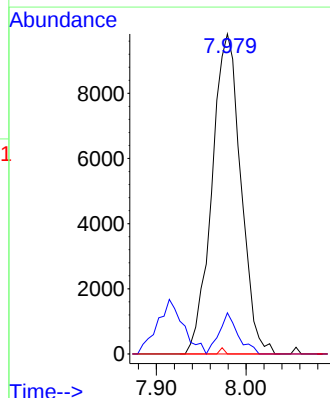
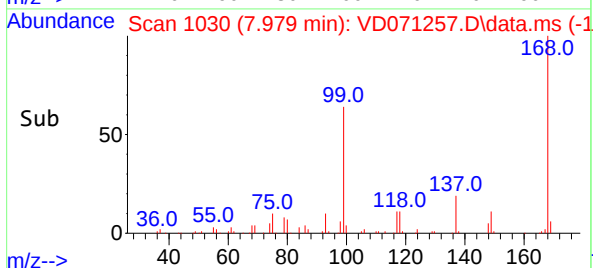
Tgt Ion:113 Resp: 122531
Ion Ratio Lower Upper
113 100
111 102.6 82.0 123.0
192 17.8 15.2 22.8

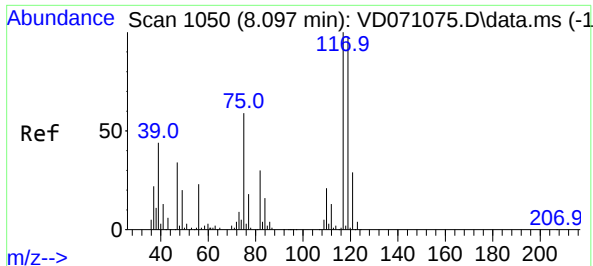


#36
1,1-Dichloropropene
Concen: 5.97 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47



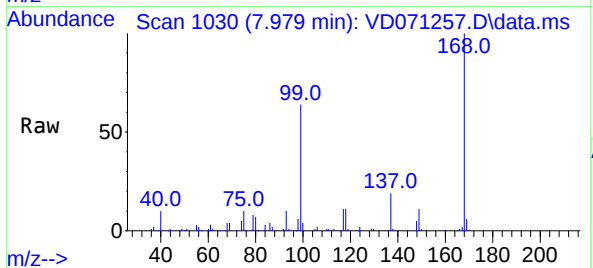
Tgt Ion: 75 Resp: 21959
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.4#
77 0.3 24.8 37.2#



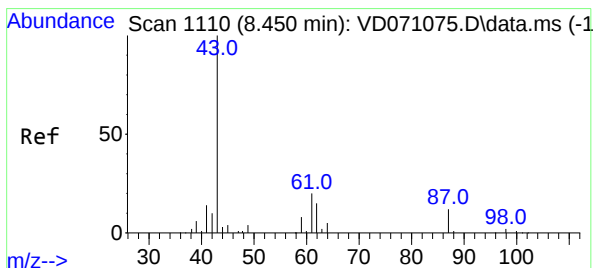
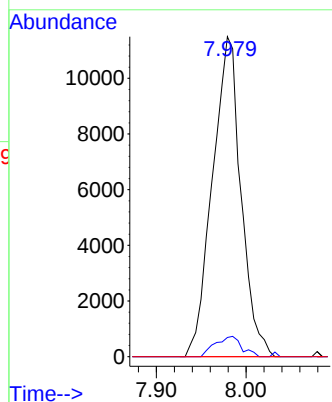
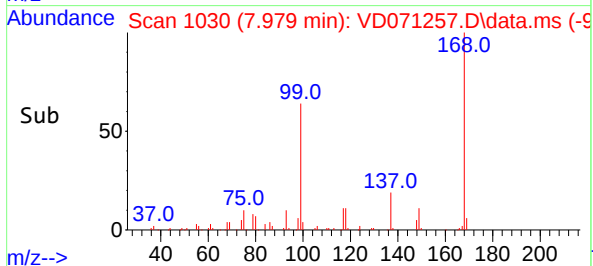


#38
Carbon Tetrachloride
Concen: 7.00 ug/l
RT: 7.979 min Scan# 1105
Delta R.T. -0.118 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

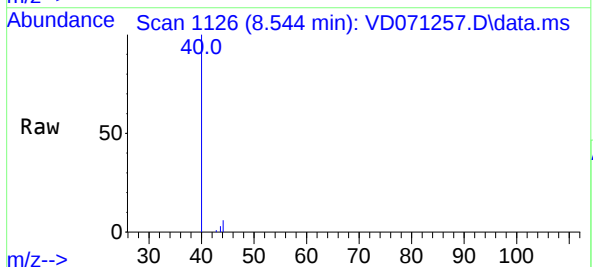
Instrument :
MSVOA_D
ClientSampleId :



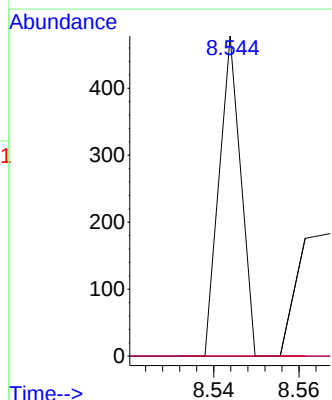
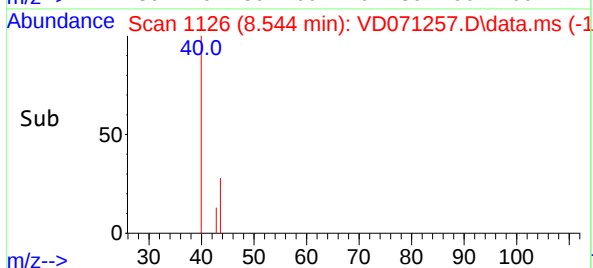
Tgt Ion:117 Resp: 25401
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 23.6 35.4#

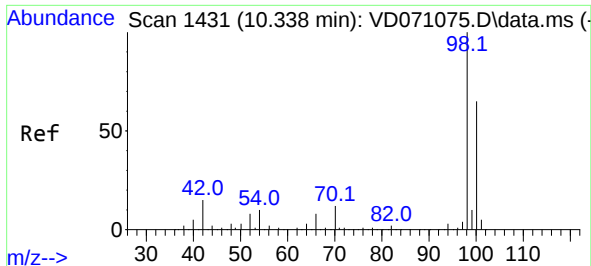


#43
Isopropyl Acetate
Concen: 5.27 ug/l
RT: 8.544 min Scan# 1126
Delta R.T. 0.094 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47



Tgt Ion: 43 Resp: 169
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

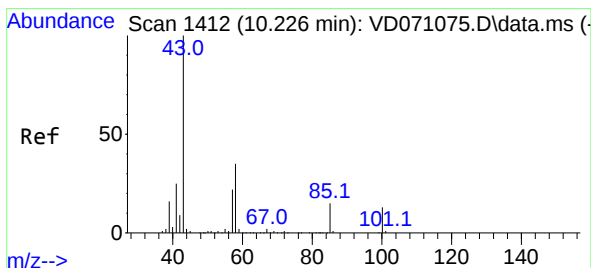
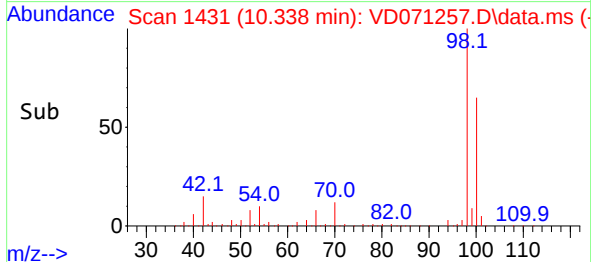
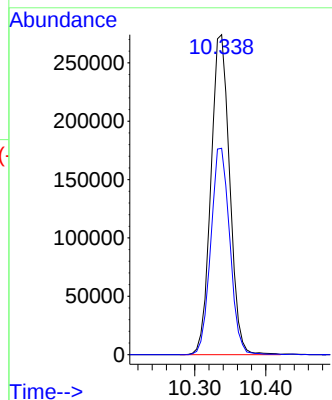
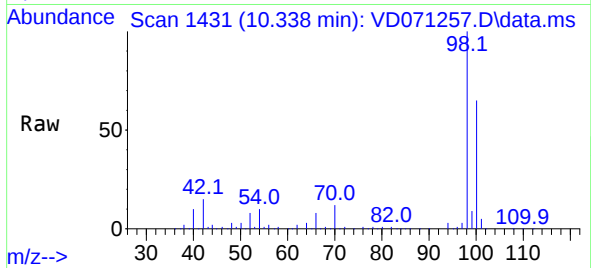




#50
Toluene-d8
Concen: 52.69 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

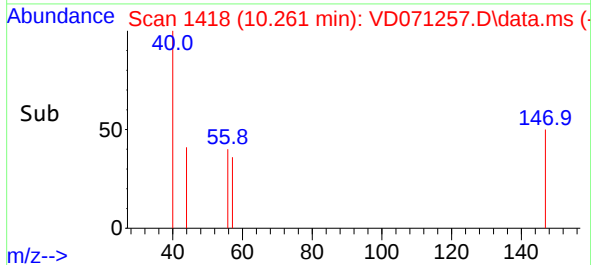
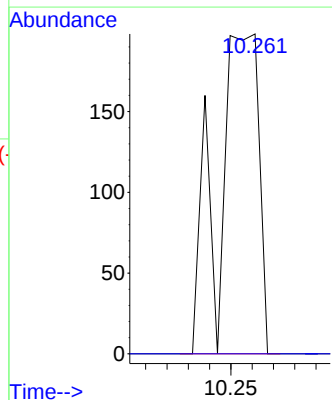
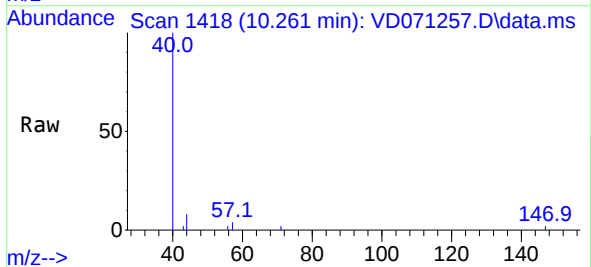
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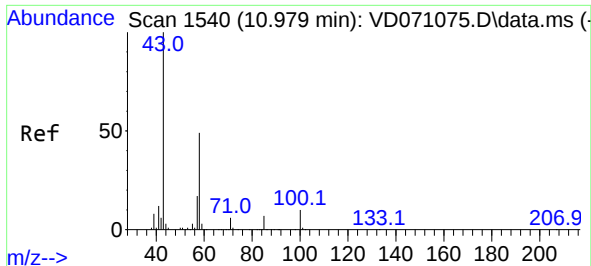
Tgt Ion: 98 Resp: 502659
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.78 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.035 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#59

2-Hexanone

Concen: 34.61 ug/l

RT: 10.955 min Scan# 1536

Delta R.T. -0.024 min

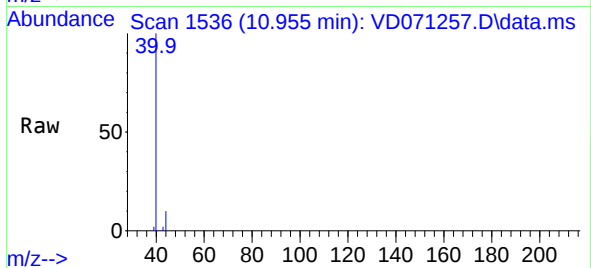
Lab File: VD071257.D

Acq: 10 Dec 2021 17:47

Instrument :

MSVOA_D

ClientSampleId :

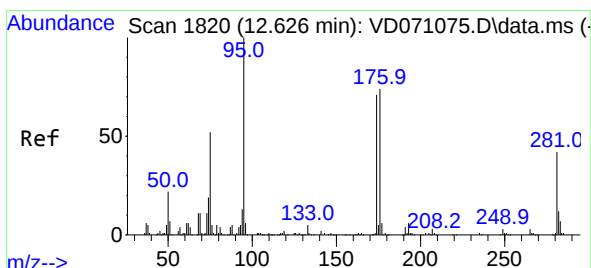
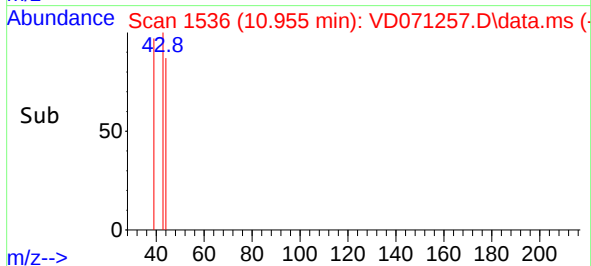
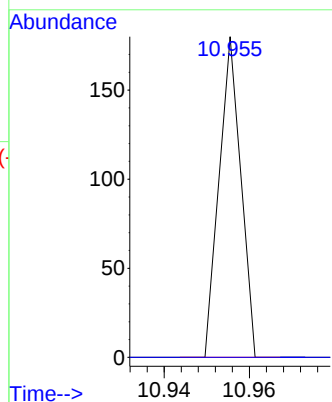


Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

58 0.0 28.7 86.1#



#62

4-Bromofluorobenzene

Concen: 62.27 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.000 min

Lab File: VD071257.D

Acq: 10 Dec 2021 17:47

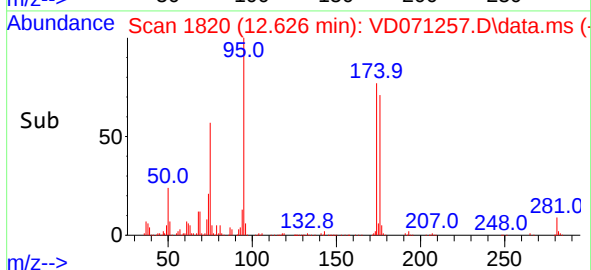
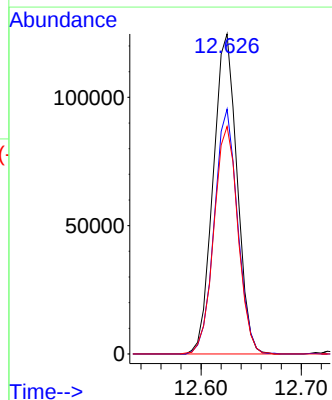
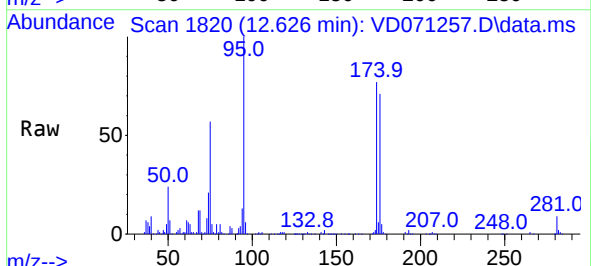
Tgt Ion: 95 Resp: 205929

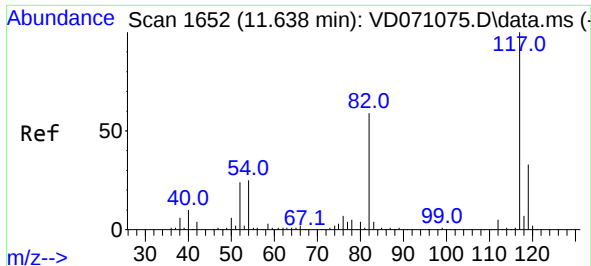
Ion Ratio Lower Upper

95 100

174 74.7 0.0 159.4

176 71.6 0.0 154.0

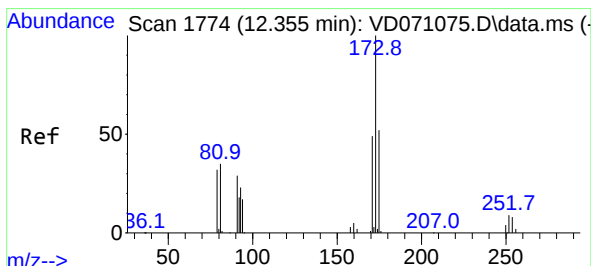
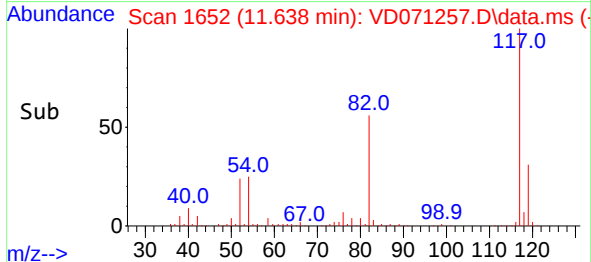
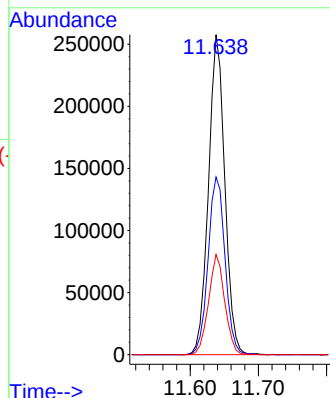
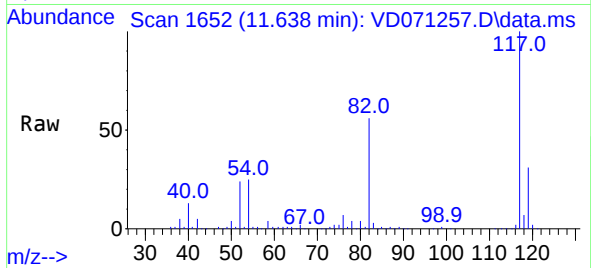




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

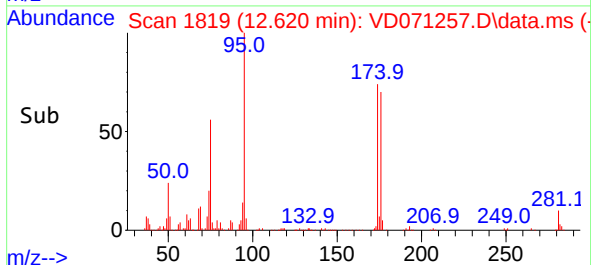
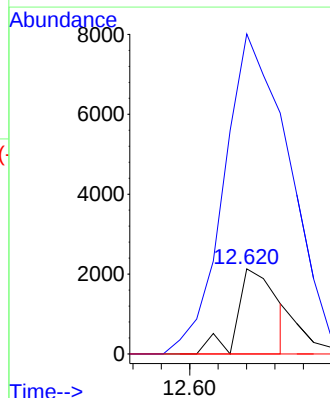
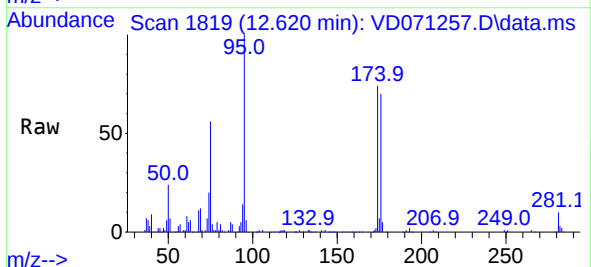
Instrument :
MSVOA_D
ClientSampleId :

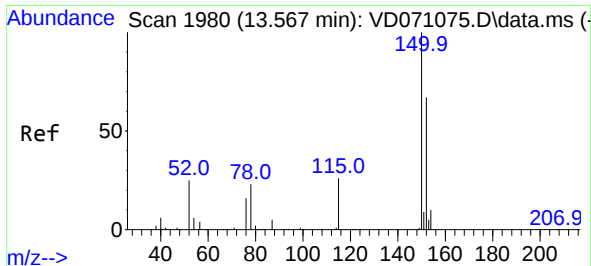
Tgt Ion:117 Resp: 429255
Ion Ratio Lower Upper
117 100
82 55.5 44.7 67.1
119 31.3 26.2 39.4



#71
Bromoform
Concen: 1.36 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Tgt Ion:173 Resp: 2046
Ion Ratio Lower Upper
173 100
175 520.5 24.1 72.2#
254 0.0 0.1 0.1#

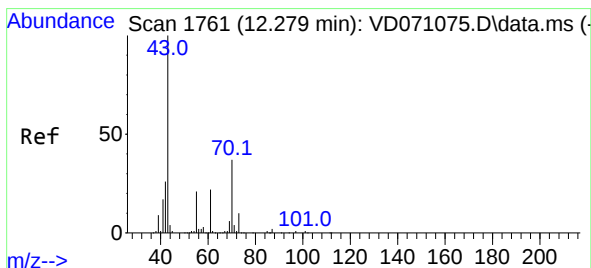
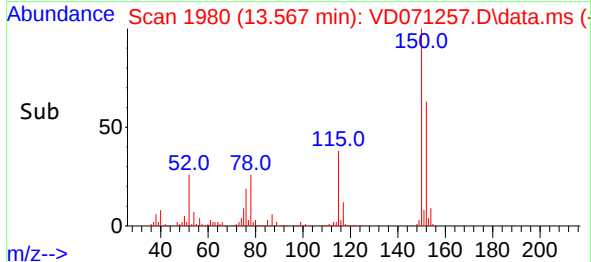
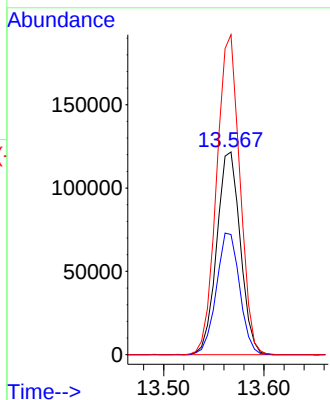
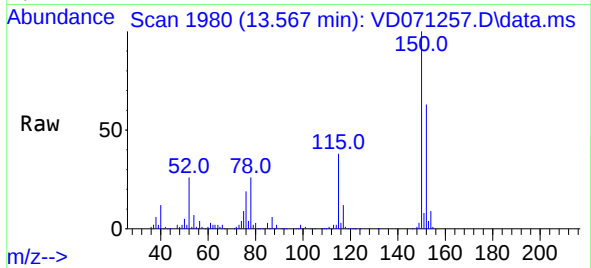




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

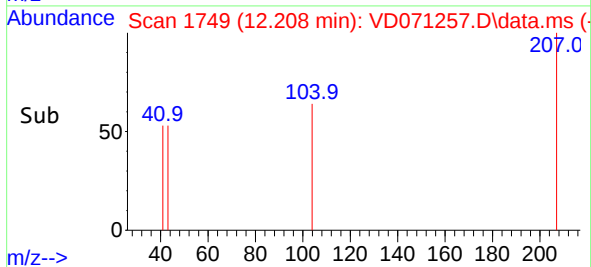
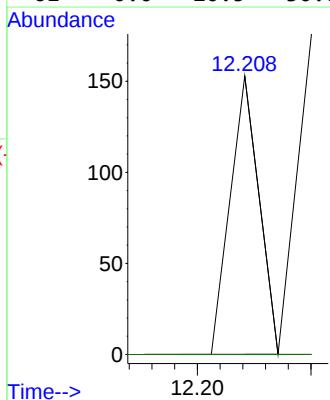
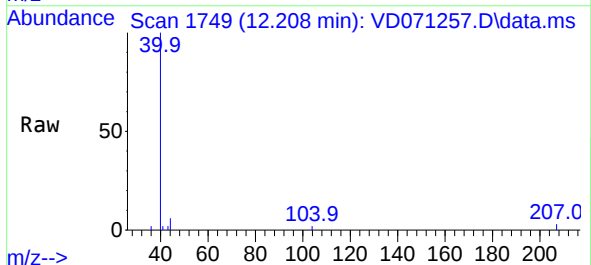
Instrument :
MSVOA_D
ClientSampleId :

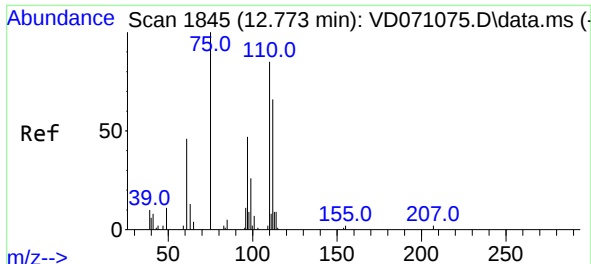
Tgt Ion:152 Resp: 198642
Ion Ratio Lower Upper
152 100
115 59.4 29.8 89.3
150 155.3 0.0 349.2



#74
N-ethyl acetate
Concen: 5.71 ug/l
RT: 12.208 min Scan# 1749
Delta R.T. -0.071 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Tgt Ion: 43 Resp: 54
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#

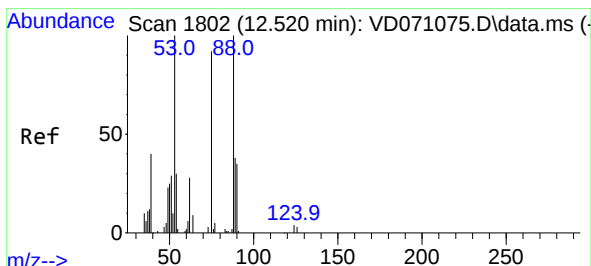
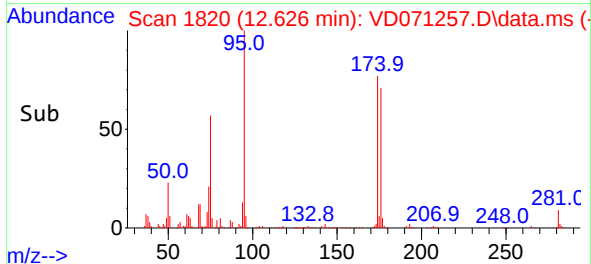
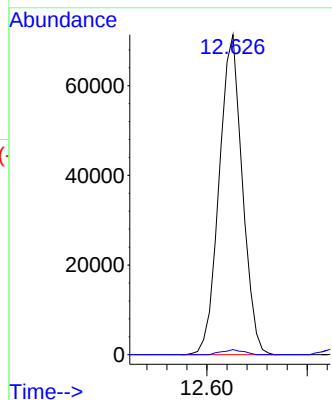
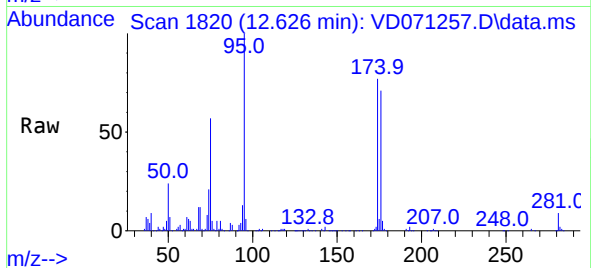




#76
1,2,3-Trichloropropane
Concen: 60.41 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 114332
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.75 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071257.D
Acq: 10 Dec 2021 17:47

Tgt Ion: 75 Resp: 114332
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

