

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071249.D
 Acq On : 10 Dec 2021 14:03
 Operator : VA/SY
 Sample : M4936-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 15:25:55 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)

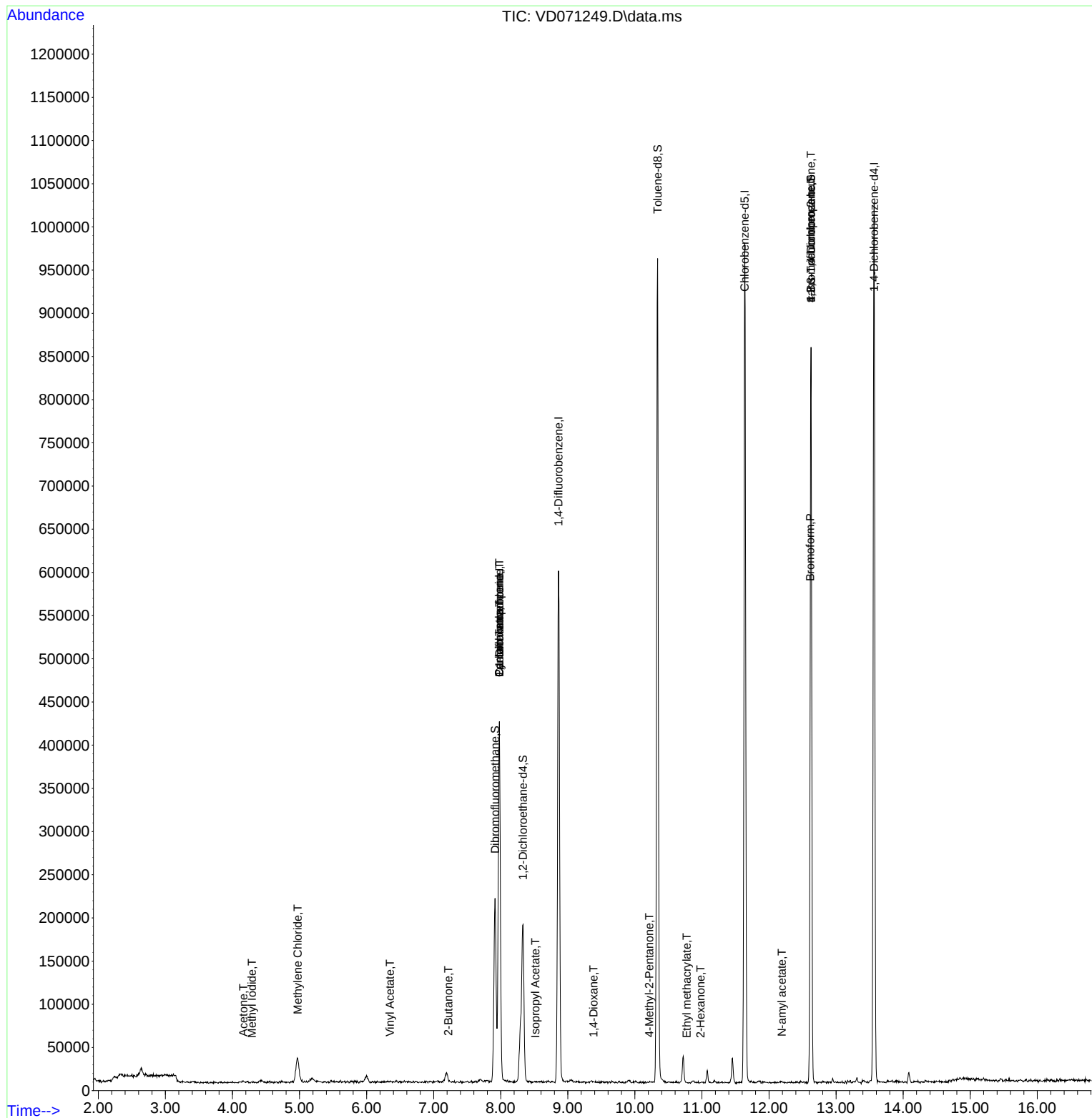
Internal Standards						
1) Pentafluorobenzene	7.979	168	281564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	484192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	520156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	248598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	143136	43.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.640%		
35) Dibromofluoromethane	7.914	113	146420	47.488	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.980%		
50) Toluene-d8	10.338	98	613613	52.296	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.600%		
62) 4-Bromofluorobenzene	12.626	95	247351	60.815	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	121.640%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	213	4.619	ug/l #	40
11) Tert butyl alcohol	5.185	59	4273	Below Cal	#	71
16) Acetone	4.162	43	3510	34.304	ug/l	98
20) Methylene Chloride	4.973	84	20497	2.151	ug/l	94
23) Vinyl Acetate	6.350	43	287	27.266	ug/l #	72
25) 2-Butanone	7.220	43	277	28.601	ug/l #	45
31) Cyclohexane	7.979	56	8463	1.506	ug/l #	13
36) 1,1-Dichloropropene	7.979	75	26116	5.771	ug/l #	49
38) Carbon Tetrachloride	7.979	117	31274	7.011	ug/l #	17
41) Methacrylonitrile	7.520	41	126	Below Cal	#	1
43) Isopropyl Acetate	8.514	43	131	5.250	ug/l #	47
49) 1,4-Dioxane	9.385	88	56	3.459	ug/l #	23
51) 4-Methyl-2-Pentanone	10.214	43	630	30.903	ug/l #	34
56) Ethyl methacrylate	10.773	69	68	5.989	ug/l #	1
59) 2-Hexanone	10.979	43	227	34.692	ug/l #	22
71) Bromoform	12.614	173	2099	1.150	ug/l #	1
74) N-amyl acetate	12.191	43	139	5.726	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	138272	58.379	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	138272	126.550	ug/l #	18

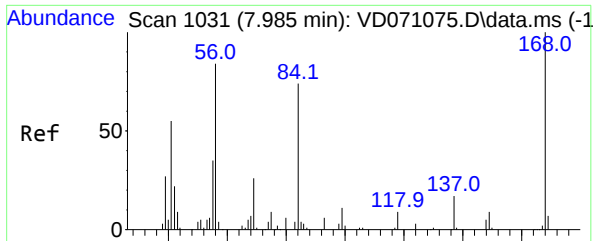
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 10 15:25:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

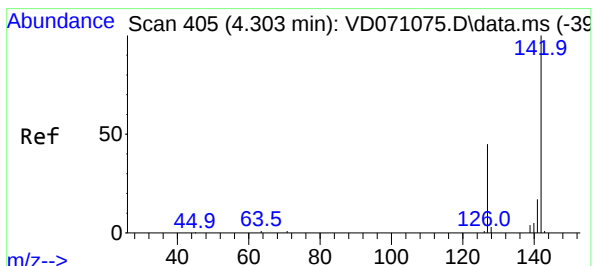
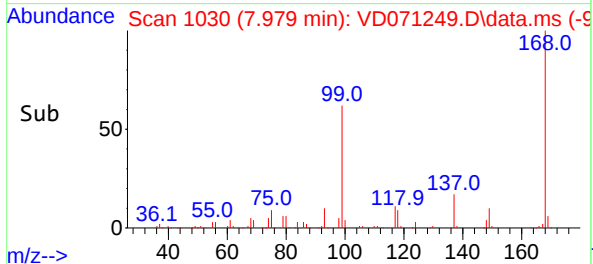
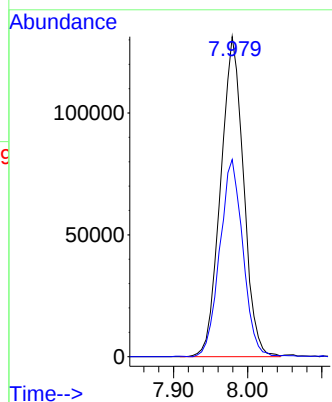
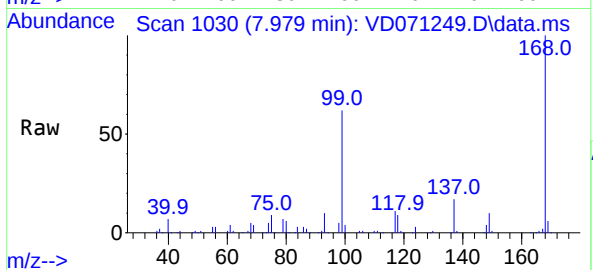




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

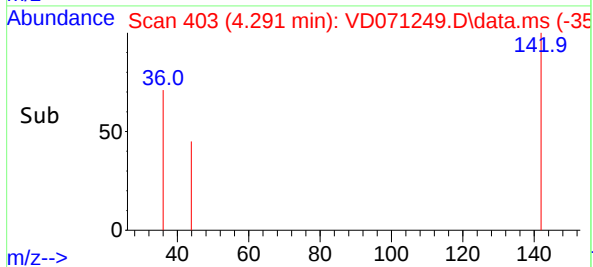
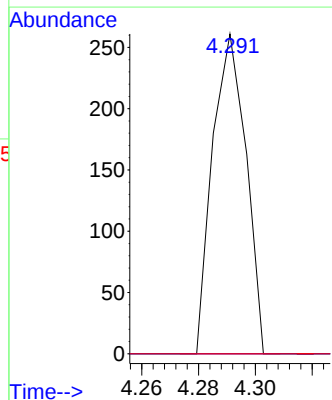
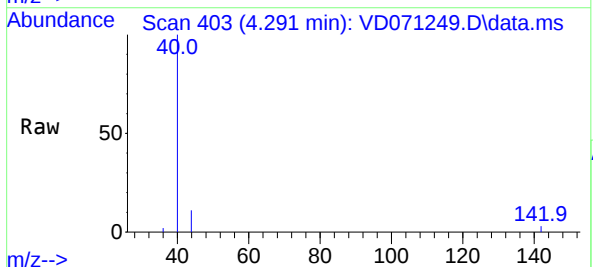
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 281564
Ion Ratio Lower Upper
168 100
99 61.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.619 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Tgt Ion:142 Resp: 213
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

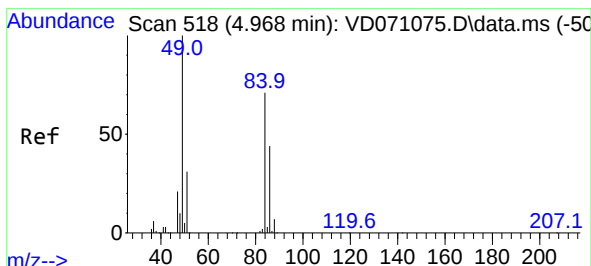
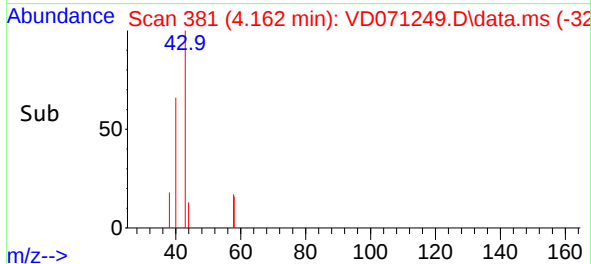
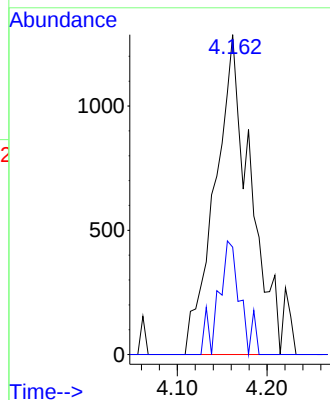
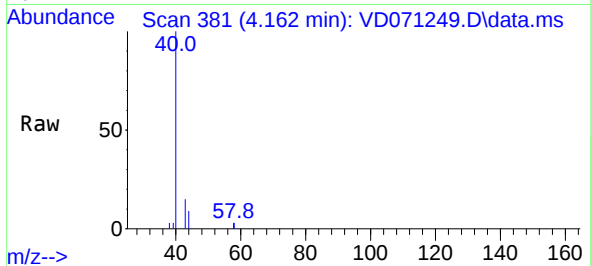




#16
Acetone
Concen: 34.304 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

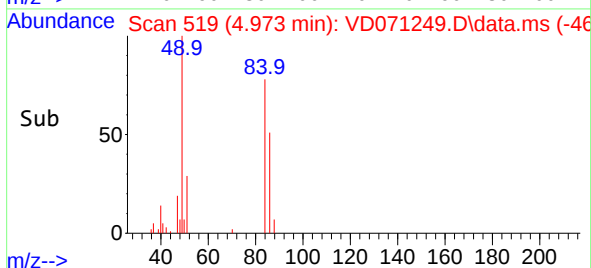
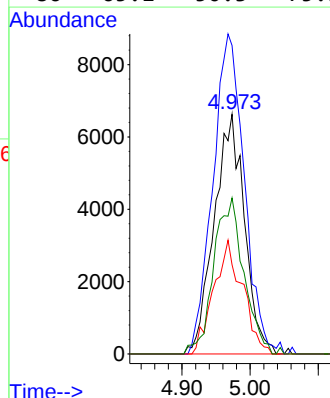
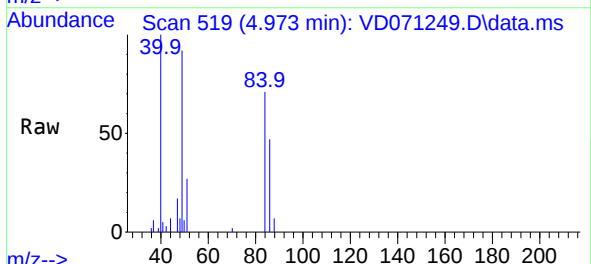
Instrument :
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ClientSampleId :

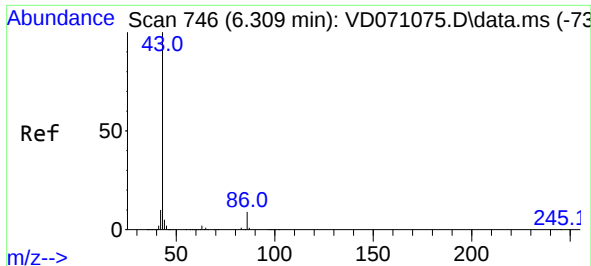
Tgt Ion: 43 Resp: 3510
Ion Ratio Lower Upper
43 100
58 33.6 27.8 41.8



#20
Methylene Chloride
Concen: 2.151 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Tgt Ion: 84 Resp: 20497
Ion Ratio Lower Upper
84 100
49 128.7 95.8 143.6
51 37.3 30.9 46.3
86 65.1 50.3 75.5

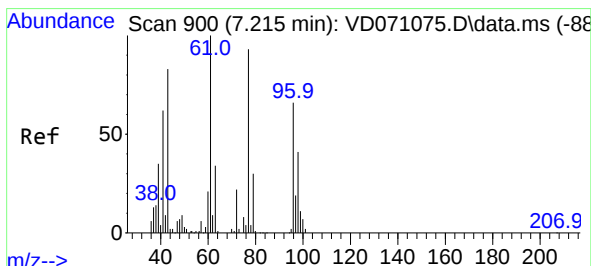
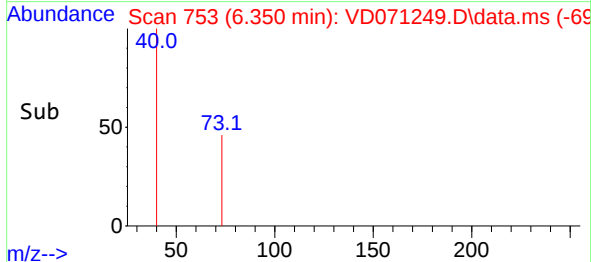
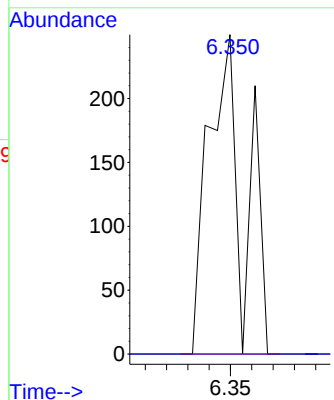
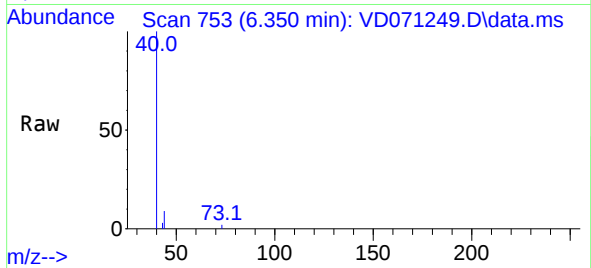




#23
 Vinyl Acetate
 Concen: 27.266 ug/l
 RT: 6.350 min Scan# 71
 Delta R.T. 0.041 min
 Lab File: VD071249.D
 Acq: 10 Dec 2021 14:03

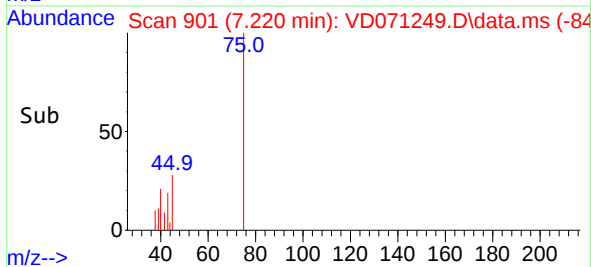
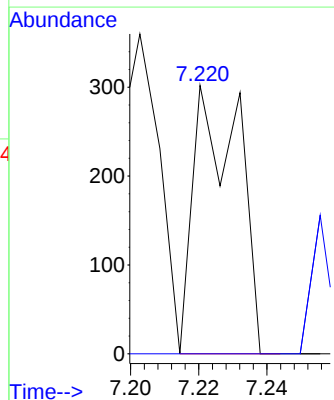
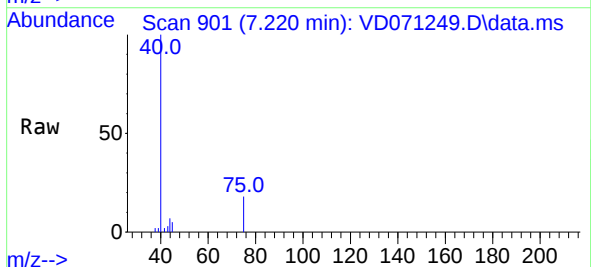
Instrument :
 MSVOA_D
 ClientSampleId :

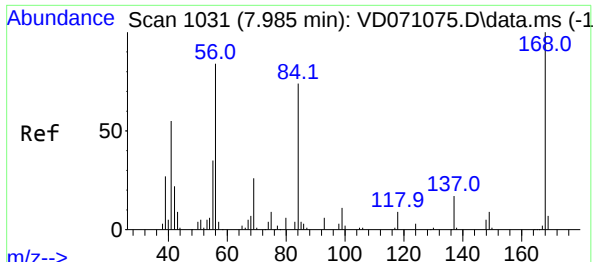
Tgt Ion: 43 Resp: 287
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.601 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.005 min
 Lab File: VD071249.D
 Acq: 10 Dec 2021 14:03

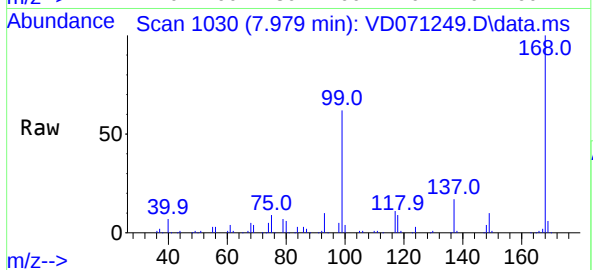
Tgt Ion: 43 Resp: 277
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



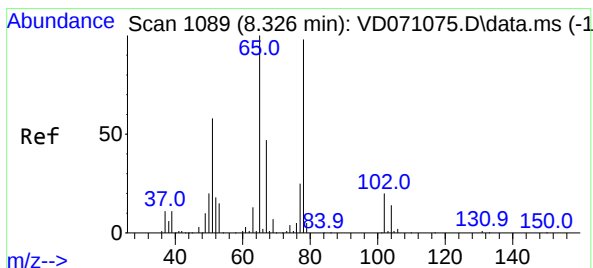
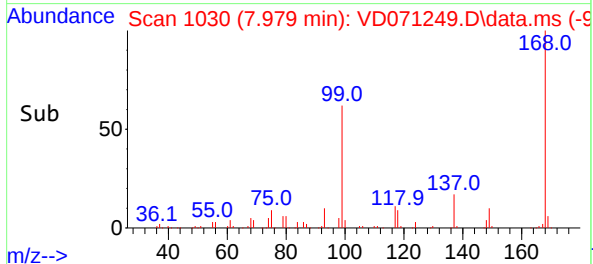
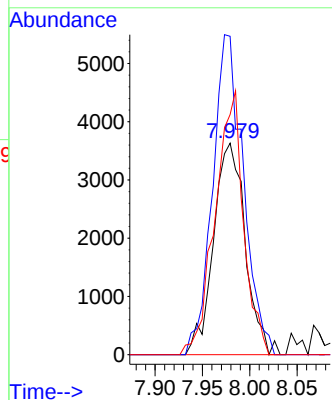


#31
Cyclohexane
Concen: 1.506 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

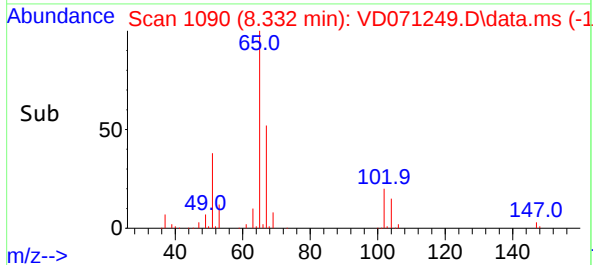
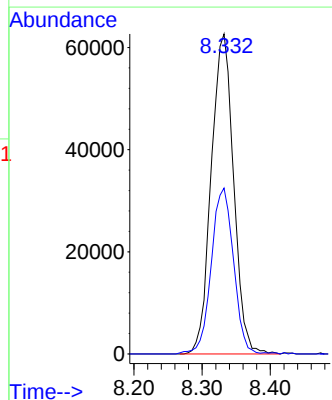
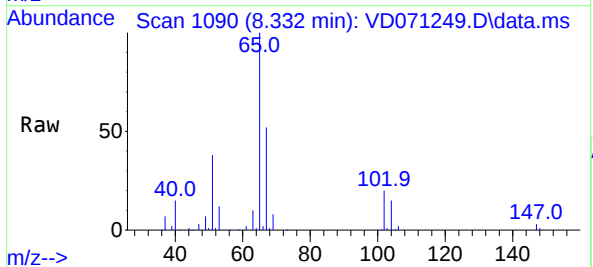


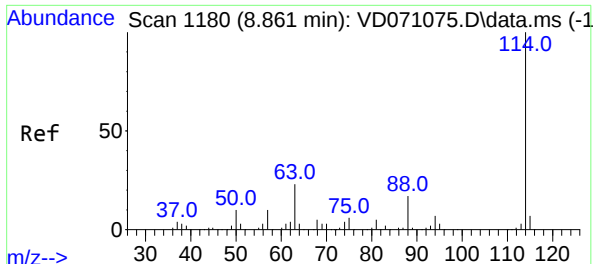
Tgt Ion: 56 Resp: 8463
Ion Ratio Lower Upper
56 100
69 150.5 25.9 38.9#
84 113.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 43.324 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Tgt Ion: 65 Resp: 143136
Ion Ratio Lower Upper
65 100
67 51.6 0.0 112.2

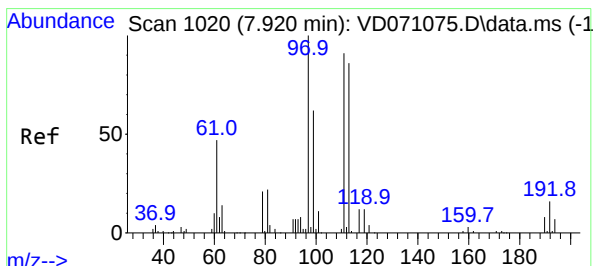
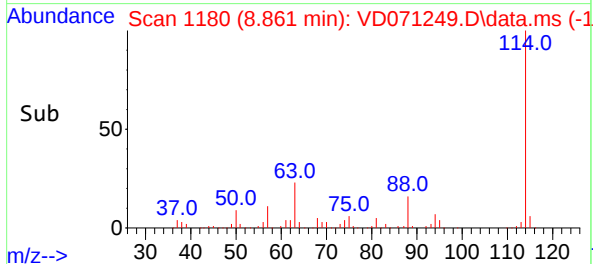
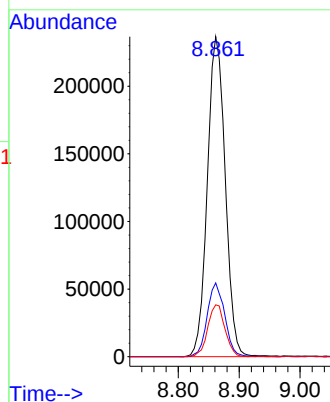
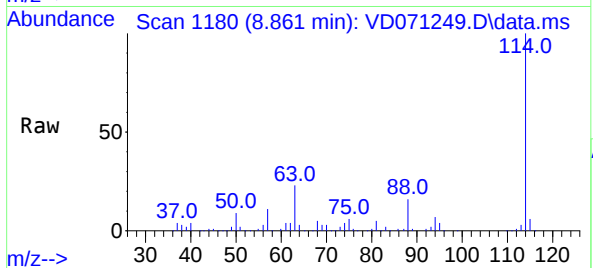




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

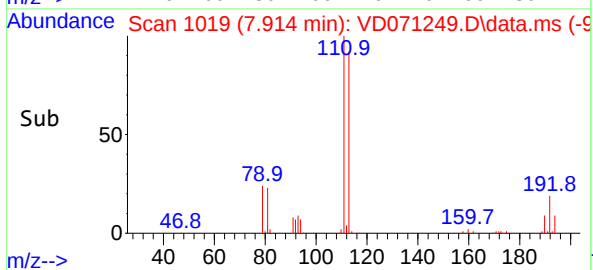
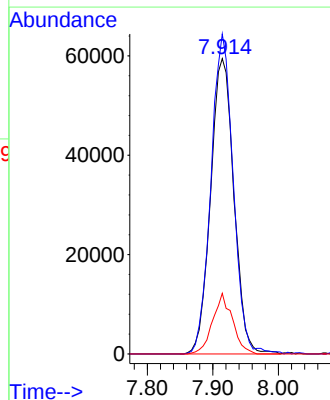
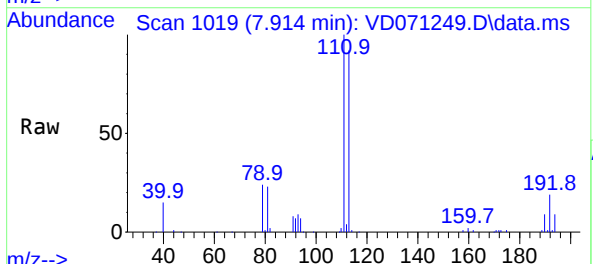
Instrument :
MSVOA_D
ClientSampleId :

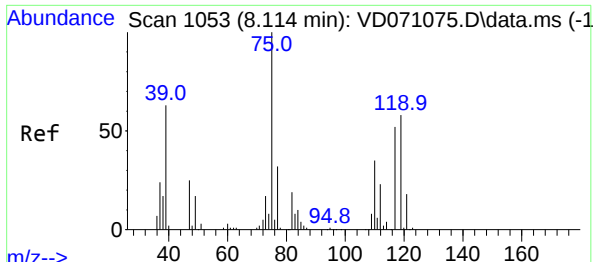
Tgt Ion:114 Resp: 484192
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.488 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Tgt Ion:113 Resp: 146420
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 17.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.771 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

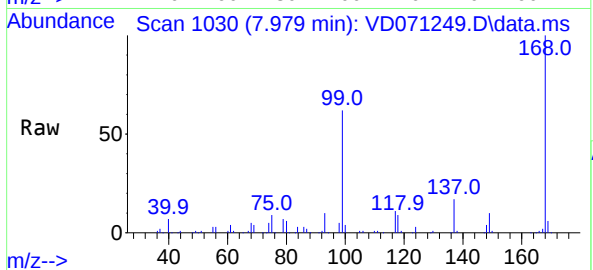
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Instrument :

MSVOA_D

ClientSampleId :



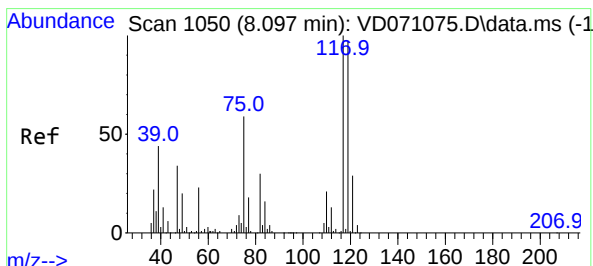
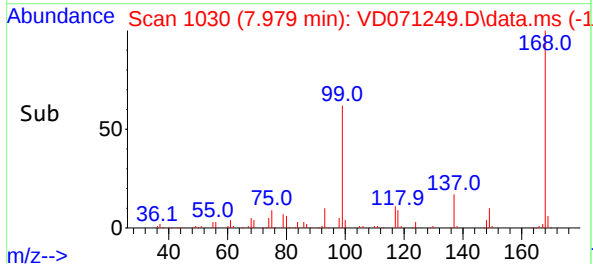
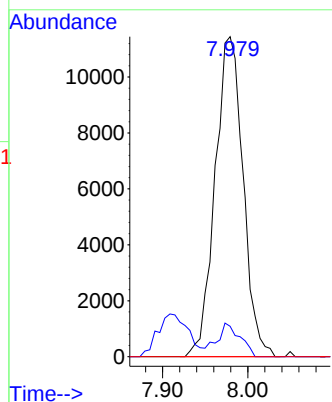
Tgt Ion: 75 Resp: 26116

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.4#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.011 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071249.D

Acq: 10 Dec 2021 14:03

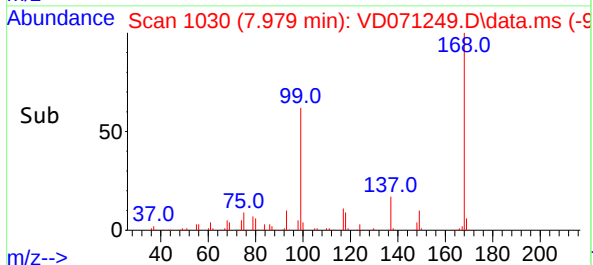
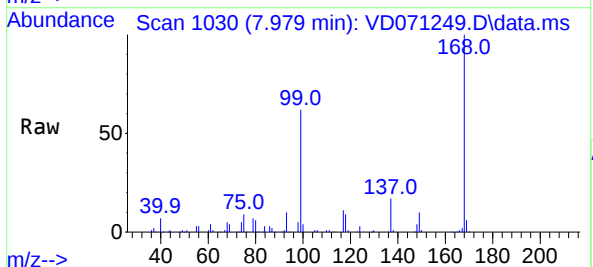
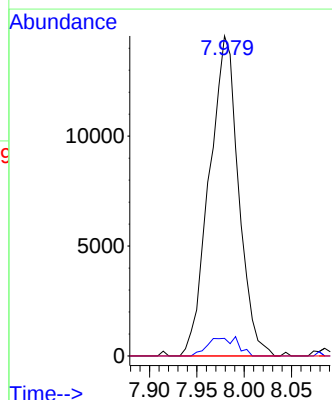
Tgt Ion: 117 Resp: 31274

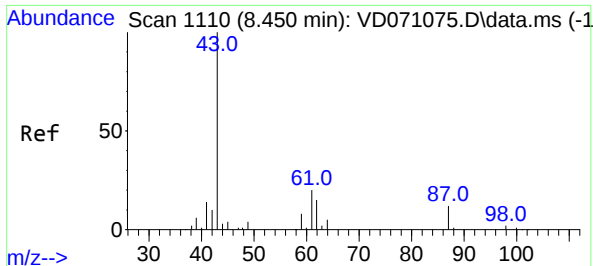
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 23.6 35.4#

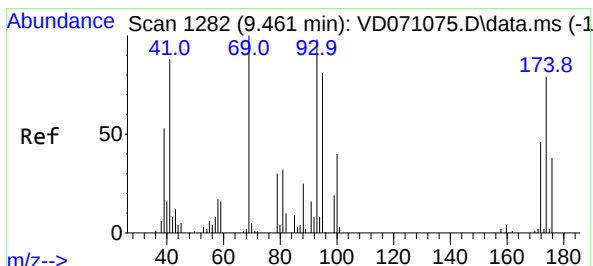
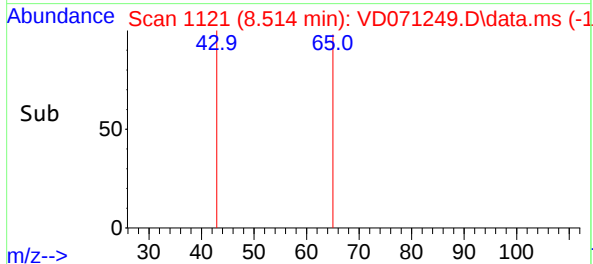
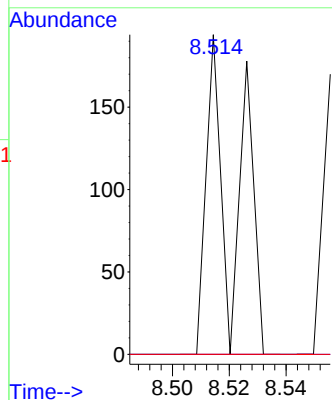
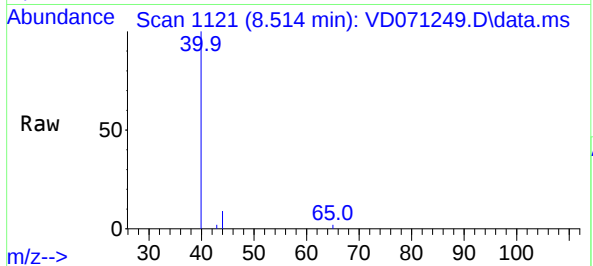




#43
Isopropyl Acetate
Concen: 5.250 ug/l
RT: 8.514 min Scan# 1110
Delta R.T. 0.064 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

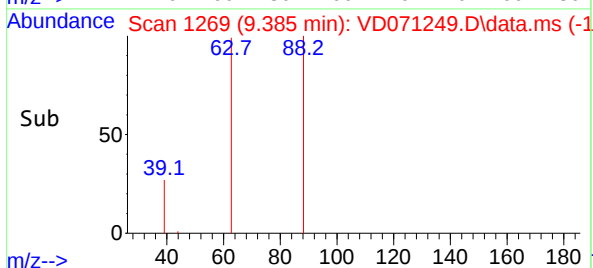
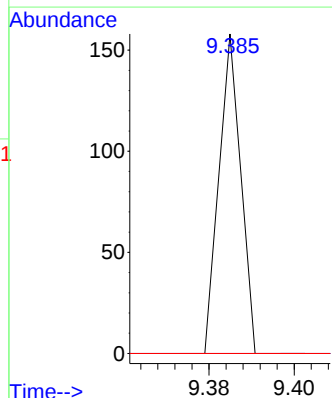
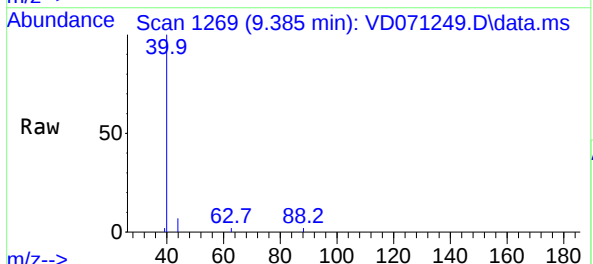
Instrument :
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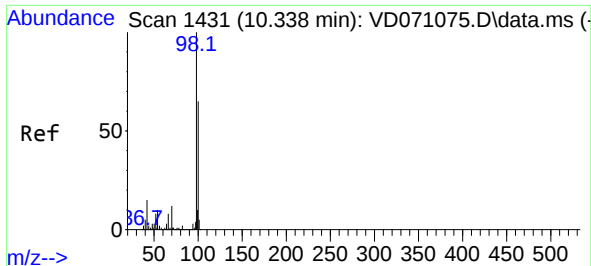
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#49
1,4-Dioxane
Concen: 3.459 ug/l
RT: 9.385 min Scan# 1269
Delta R.T. -0.076 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 0.0 56.3 84.5#

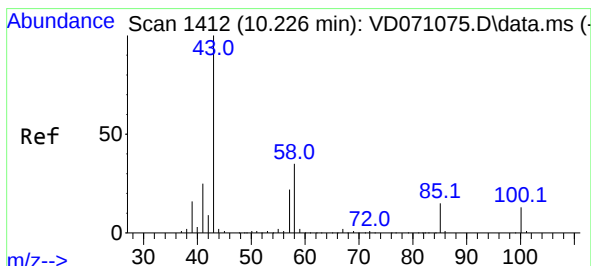
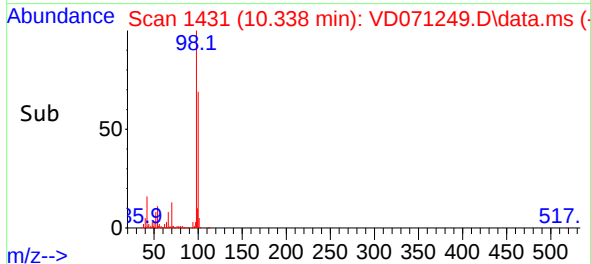
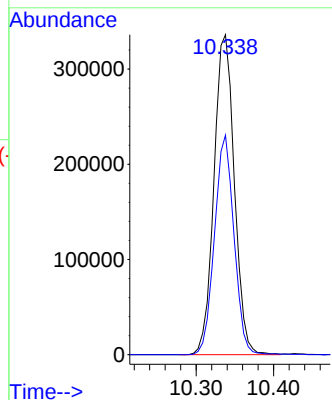
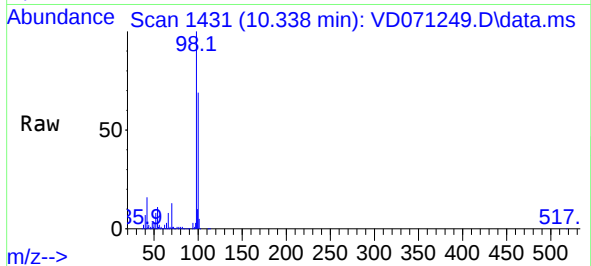




#50
Toluene-d8
Concen: 52.296 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

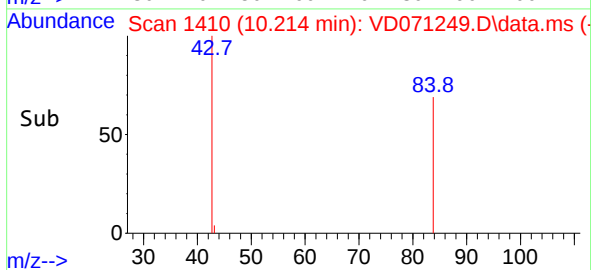
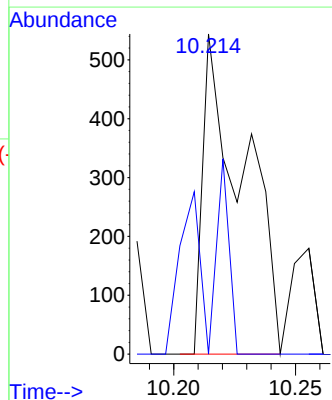
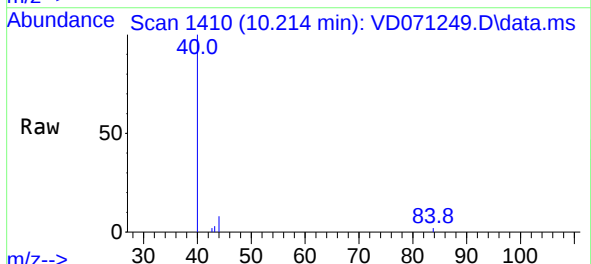
Instrument :
MSVOA_D
ClientSampleId :

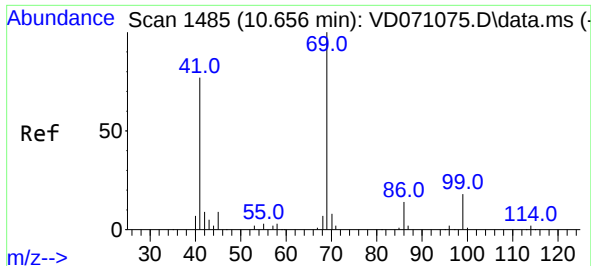
Tgt Ion: 98 Resp: 613613
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.903 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.012 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

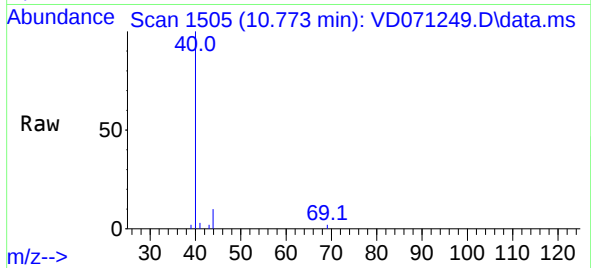
Tgt Ion: 43 Resp: 630
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



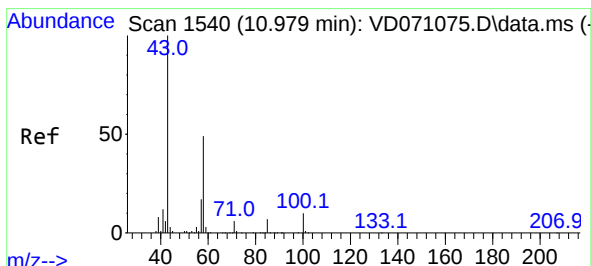
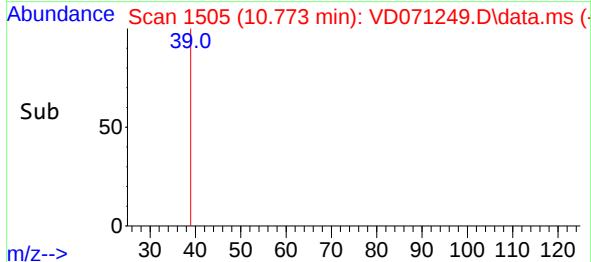
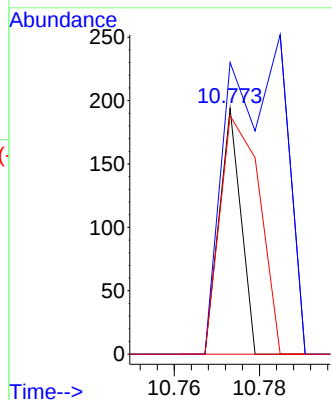


#56
Ethyl methacrylate
Concen: 5.989 ug/l
RT: 10.773 min Scan# 11
Delta R.T. 0.117 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

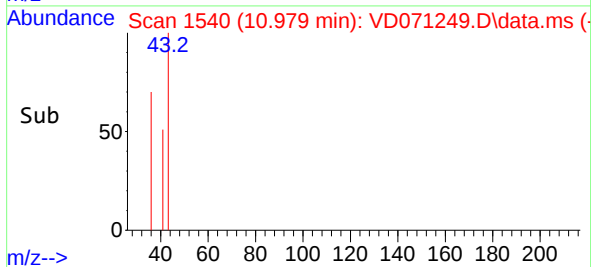
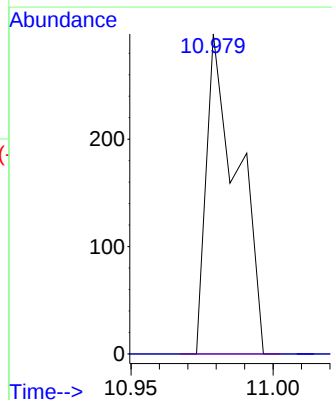
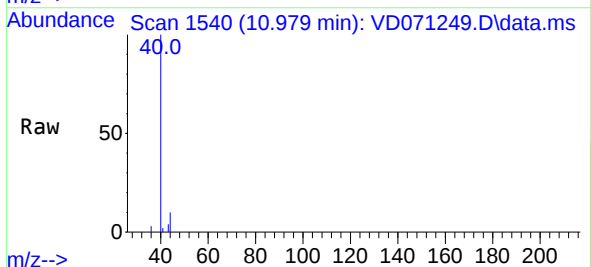


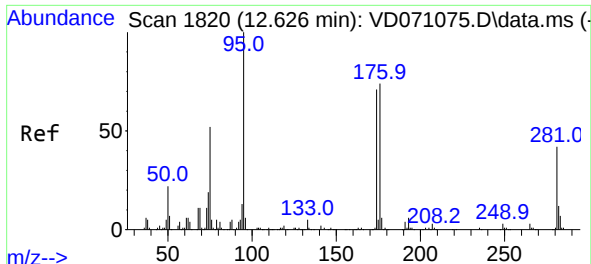
Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 341.2 50.2 75.2#
39 177.9 19.8 29.8#



#59
2-Hexanone
Concen: 34.692 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Tgt Ion: 43 Resp: 227
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

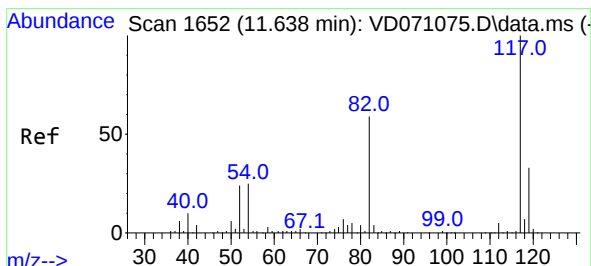
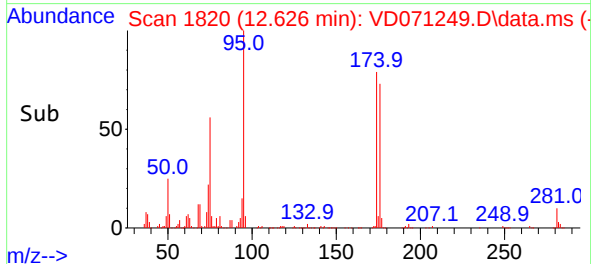
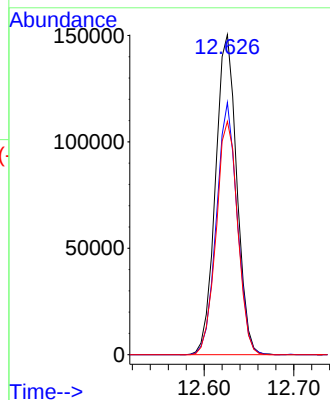
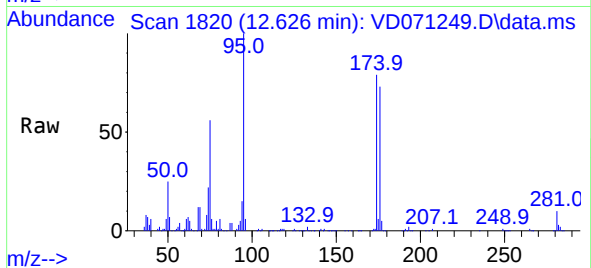




#62
4-Bromofluorobenzene
Concen: 60.815 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

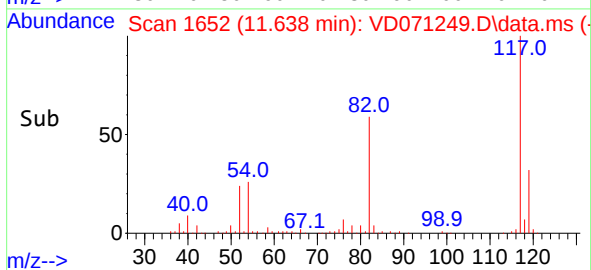
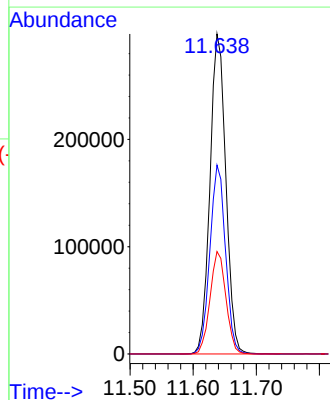
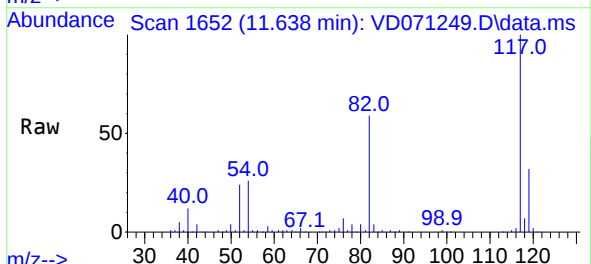
Instrument :
MSVOA_D
ClientSampleId :

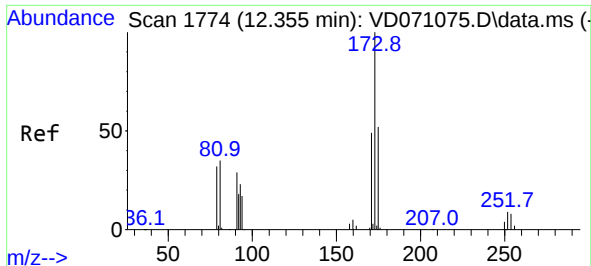
Tgt Ion: 95 Resp: 247351
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.4
176 73.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Tgt Ion: 117 Resp: 520156
Ion Ratio Lower Upper
117 100
82 59.0 44.7 67.1
119 32.0 26.2 39.4

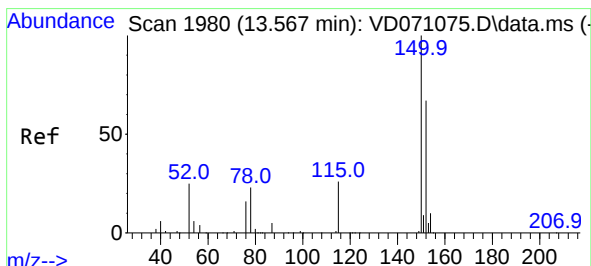
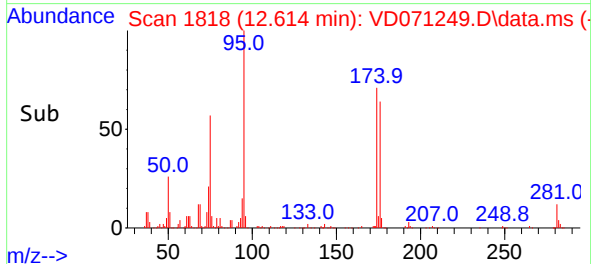
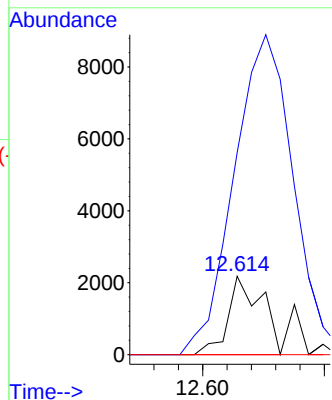
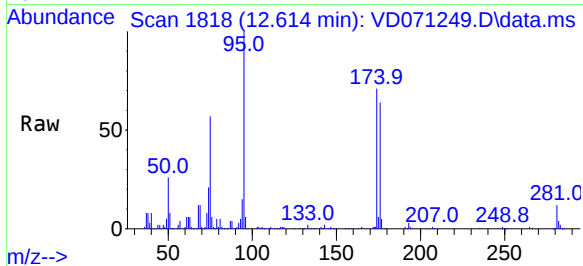




#71
Bromoform
Concen: 1.150 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

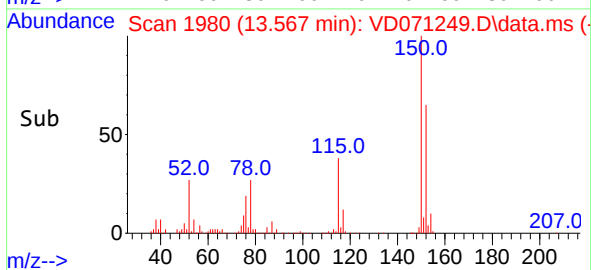
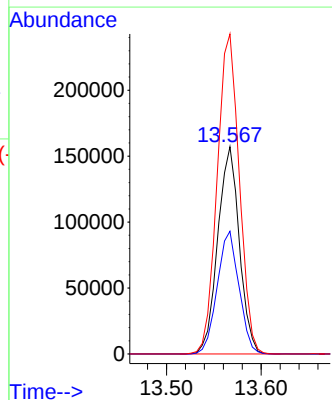
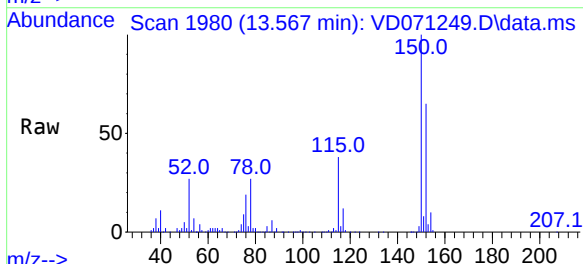
Instrument :
MSVOA_D
ClientSampleId :

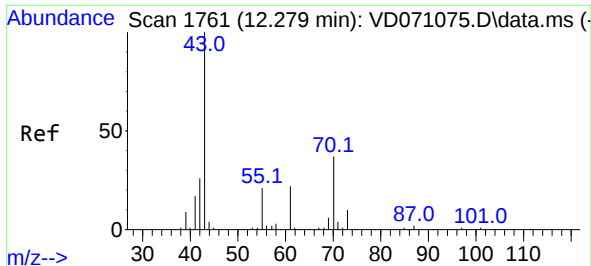
Tgt Ion:173 Resp: 2099
Ion Ratio Lower Upper
173 100
175 581.8 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

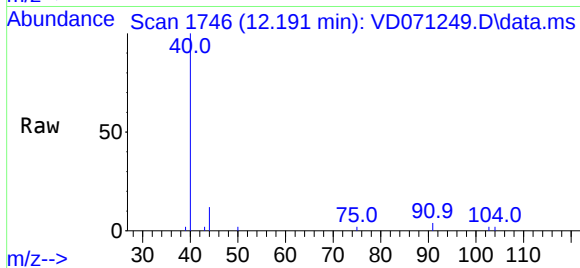
Tgt Ion:152 Resp: 248598
Ion Ratio Lower Upper
152 100
115 59.8 29.8 89.3
150 158.4 0.0 349.2



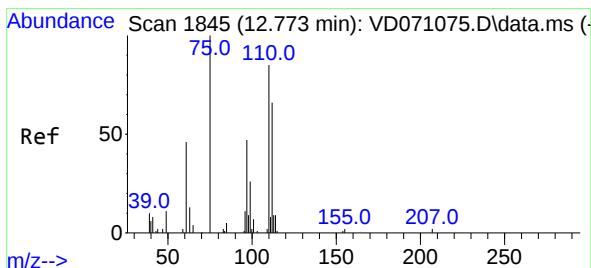
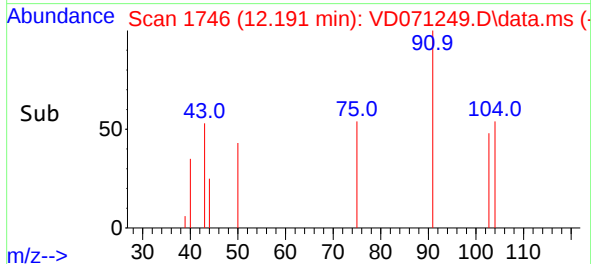
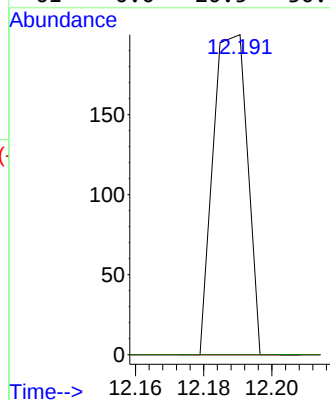


#74
N-amy1 acetate
Concen: 5.726 ug/l
RT: 12.191 min Scan# 11
Delta R.T. -0.088 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

Instrument :
MSVOA_D
ClientSampleId :

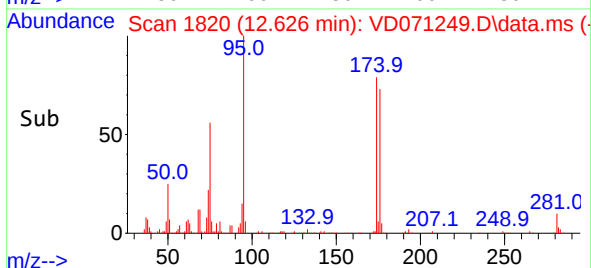
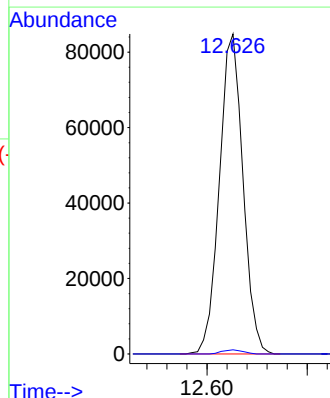
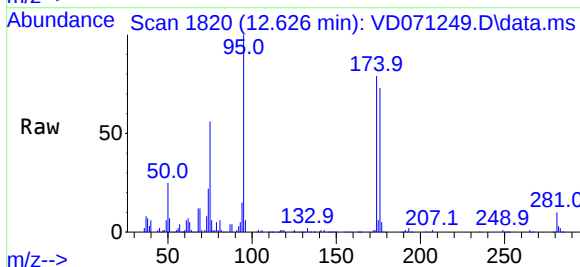


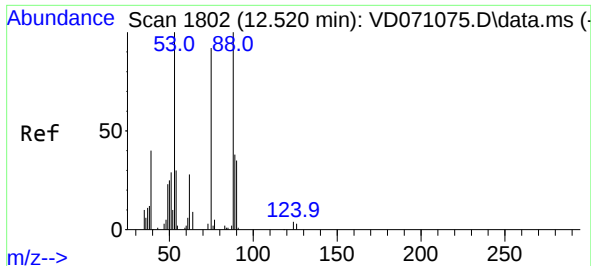
Tgt Ion: 43	Resp:	139
Ion Ratio	Lower	Upper
43 100		
70 0.0	36.6	55.0#
55 0.0	22.5	33.7#
61 0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 58.379 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071249.D
Acq: 10 Dec 2021 14:03

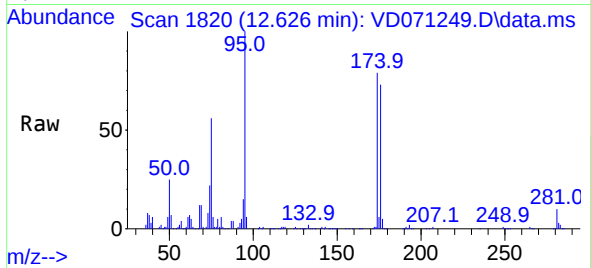
Tgt Ion: 75	Resp: 138272
Ion Ratio	Lower Upper
75 100	
77 1.1	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.550 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071249.D
 Acq: 10 Dec 2021 14:03

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 138272
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 0.0 34.5 51.7#

