

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121621\
 Data File : VD071359.D
 Acq On : 16 Dec 2021 10:55
 Operator : VA/SY
 Sample : VD1216SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 23:45:52 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)

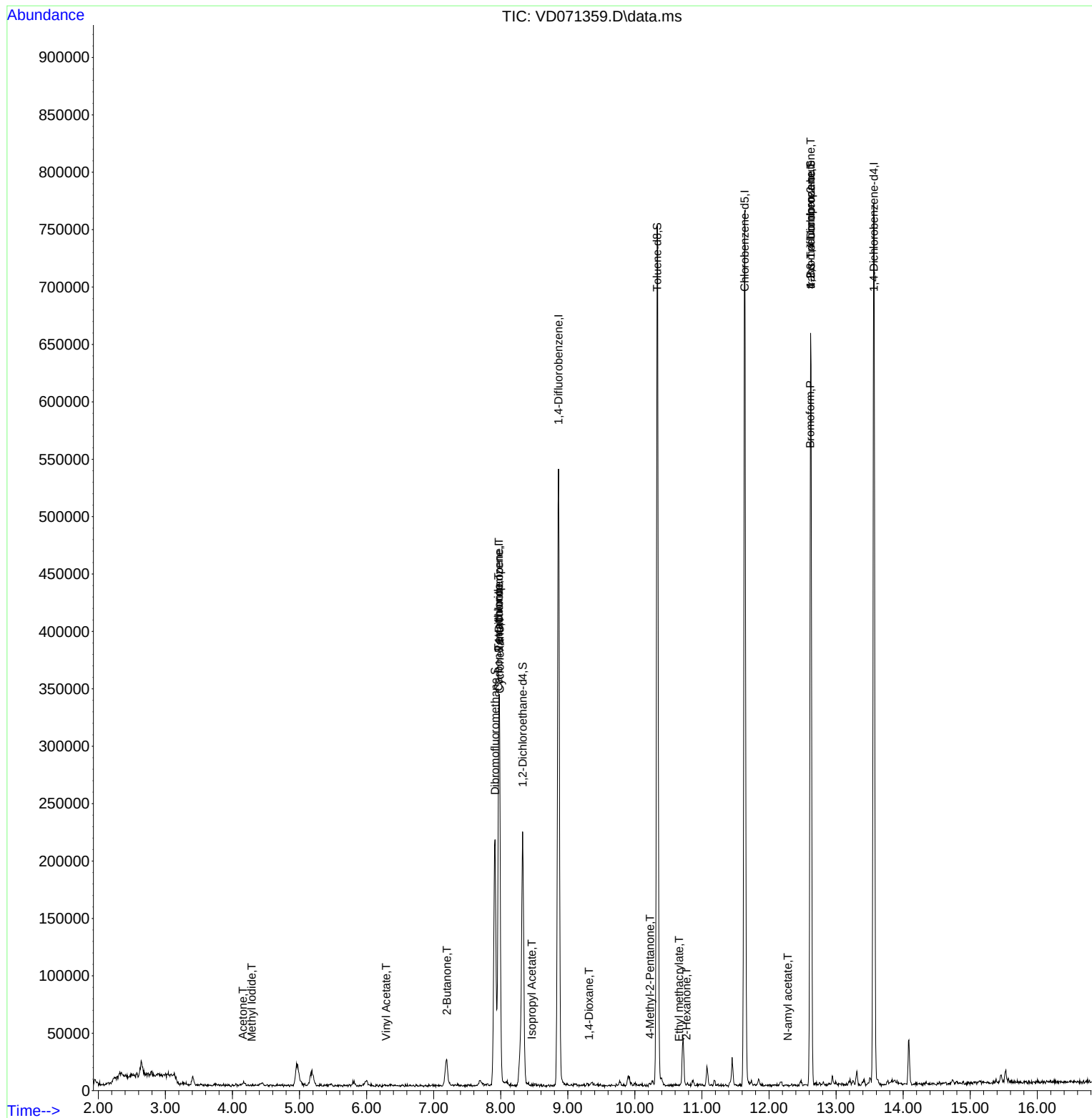
Internal Standards						
1) Pentafluorobenzene	7.973	168	244094	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	427796	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	409922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	189254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168023	58.664	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.320%	
35) Dibromofluoromethane	7.914	113	147472	54.135	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.260%	
50) Toluene-d8	10.332	98	476740	45.987	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.980%	
62) 4-Bromofluorobenzene	12.620	95	177658	49.438	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.880%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.285	142	211	4.628	ug/l #	40
11) Tert butyl alcohol	5.185	59	12841	Below Cal	#	73
16) Acetone	4.156	43	5649	37.309	ug/l #	82
23) Vinyl Acetate	6.291	43	131	27.243	ug/l #	72
25) 2-Butanone	7.197	43	2033	30.411	ug/l #	45
31) Cyclohexane	7.985	56	7616	1.563	ug/l #	53
36) 1,1-Dichloropropene	7.973	75	22044	5.513	ug/l #	50
38) Carbon Tetrachloride	7.967	117	26240	6.658	ug/l #	19
41) Methacrylonitrile	7.514	41	279	Below Cal	#	38
43) Isopropyl Acetate	8.461	43	63	5.238	ug/l #	1
49) 1,4-Dioxane	9.314	88	75	5.243	ug/l #	10
51) 4-Methyl-2-Pentanone	10.226	43	1317	31.245	ug/l #	68
56) Ethyl methacrylate	10.661	69	60	5.989	ug/l #	1
59) 2-Hexanone	10.767	43	195	34.688	ug/l	95
71) Bromoform	12.614	173	2223	1.545	ug/l #	1
74) N-amyl acetate	12.279	43	221	5.753	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	99706	55.296	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	99706	120.173	ug/l #	19

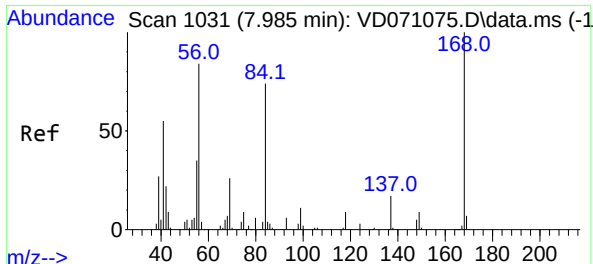
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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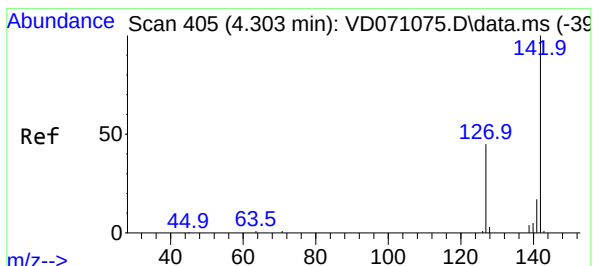
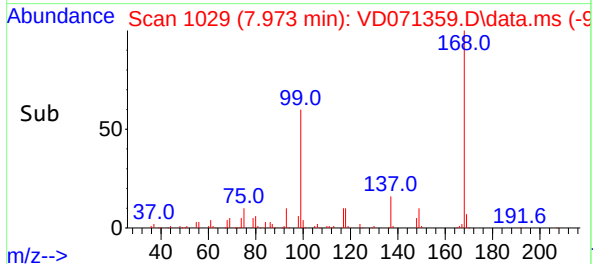
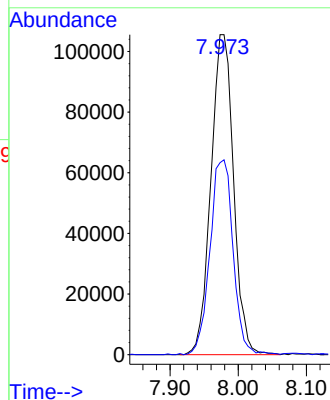
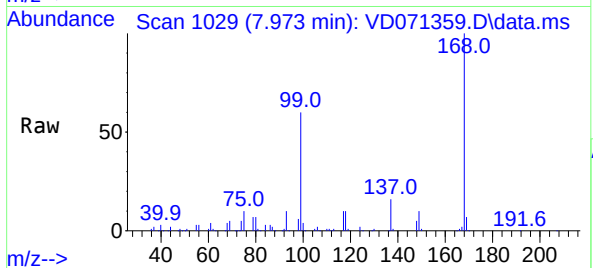




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

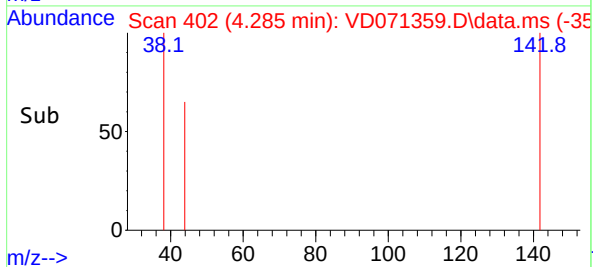
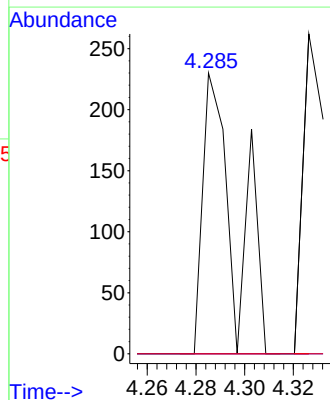
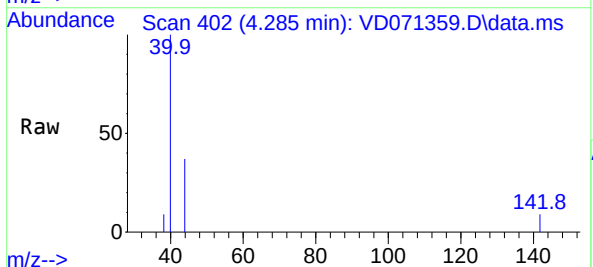
Instrument :
MSVOA_D
ClientSampleId :

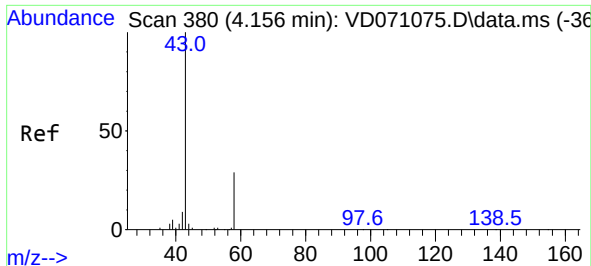
Tgt Ion:168 Resp: 244094
Ion Ratio Lower Upper
168 100
99 59.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.628 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion:142 Resp: 211
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

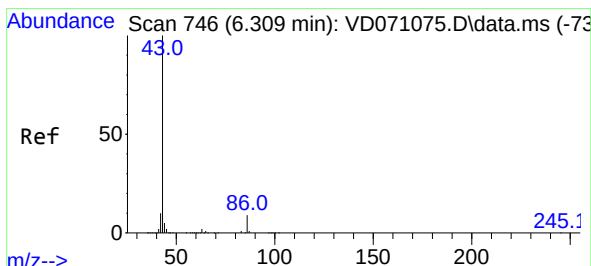
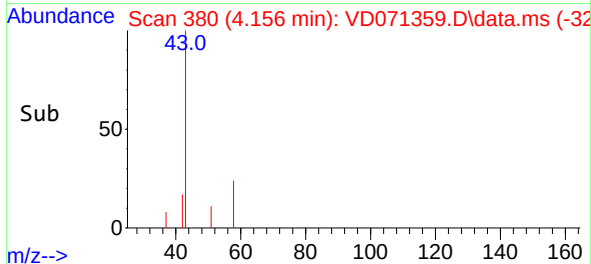
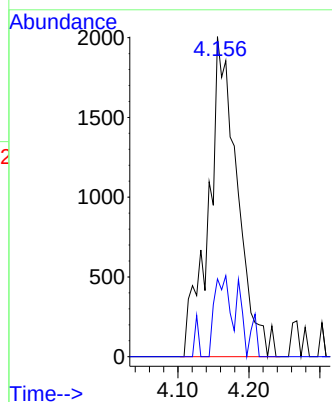
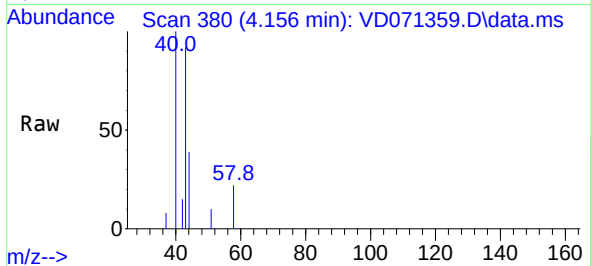




#16
Acetone
Concen: 37.309 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

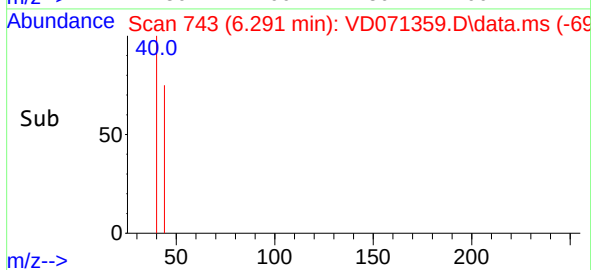
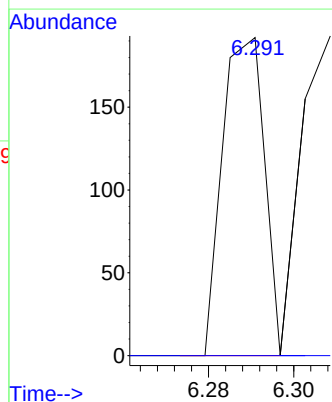
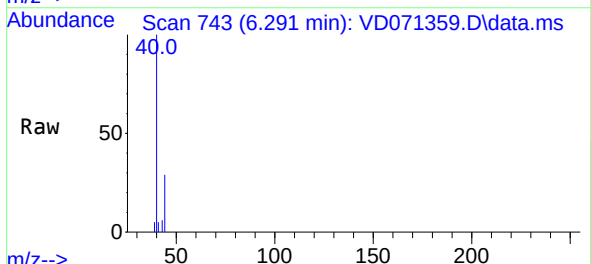
Instrument :
MSVOA_D
ClientSampleId :

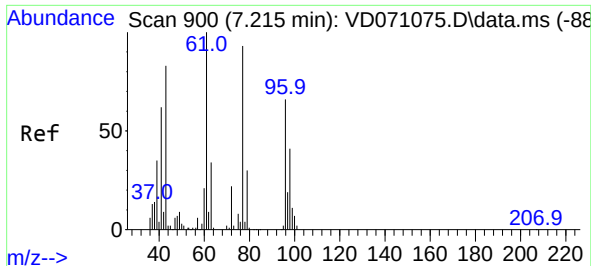
Tgt Ion: 43 Resp: 5649
Ion Ratio Lower Upper
43 100
58 24.3 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.243 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.018 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

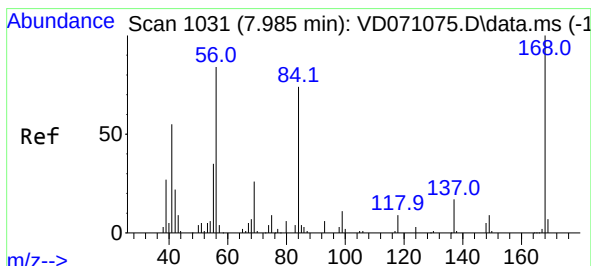
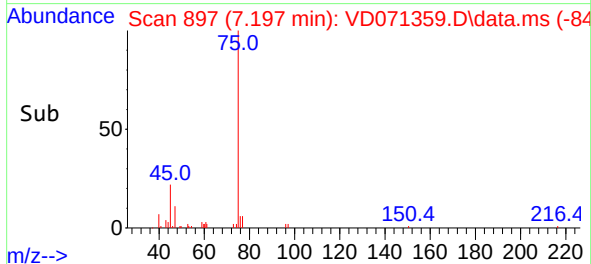
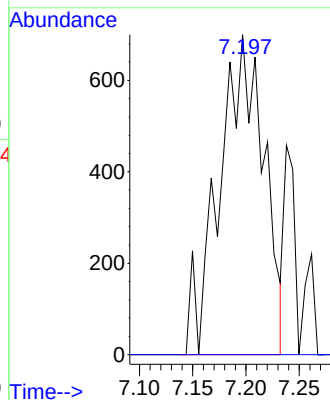
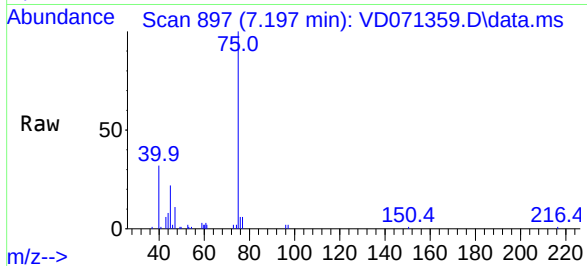




#25
2-Butanone
Concen: 30.411 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

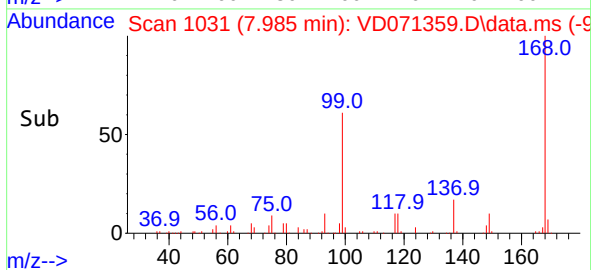
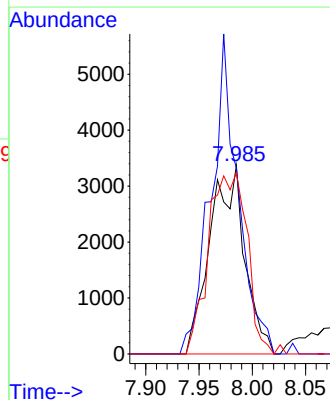
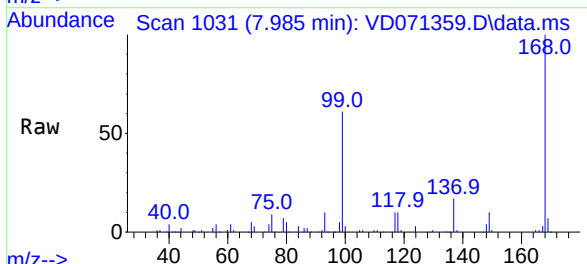
Instrument :
MSVOA_D
ClientSampleId :

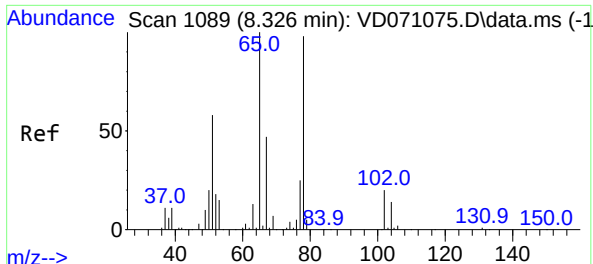
Tgt Ion: 43 Resp: 2033
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#31
Cyclohexane
Concen: 1.563 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion: 56 Resp: 7616
Ion Ratio Lower Upper
56 100
69 98.7 25.9 38.9#
84 96.1 64.3 96.5

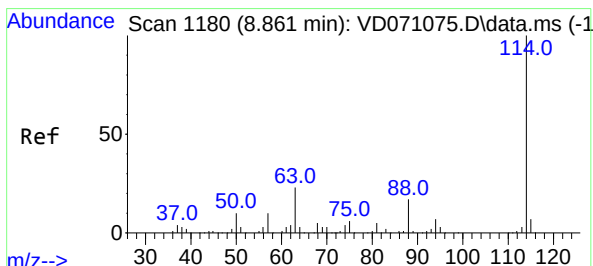
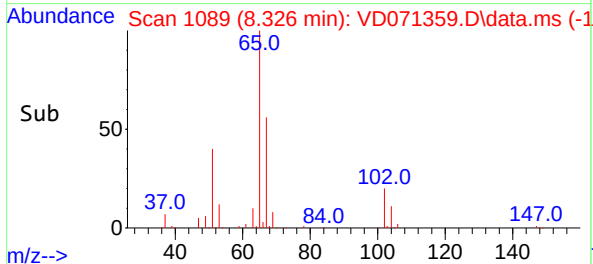
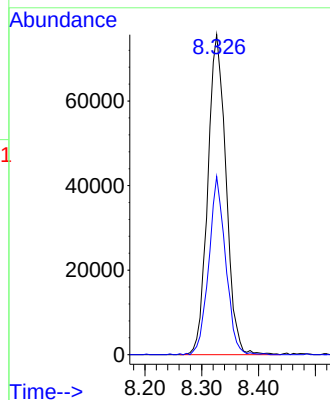
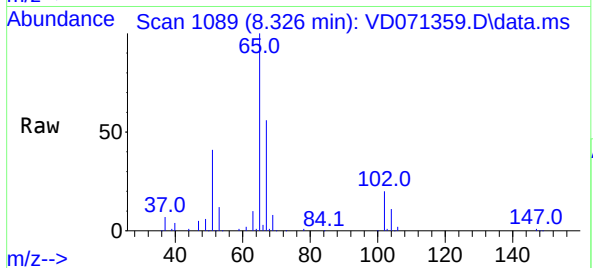




#33
1,2-Dichloroethane-d4
Concen: 58.664 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

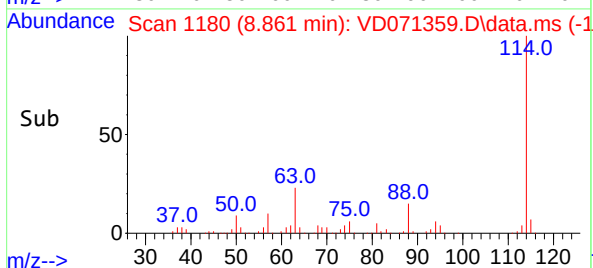
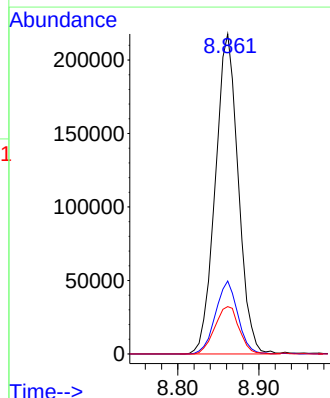
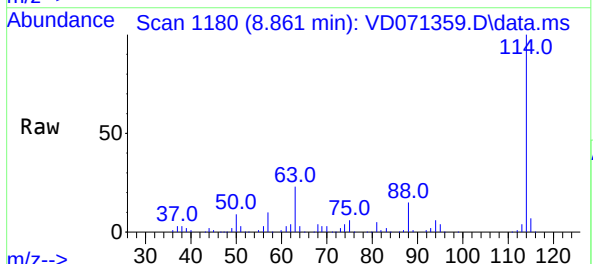
Instrument :
MSVOA_D
ClientSampleId :

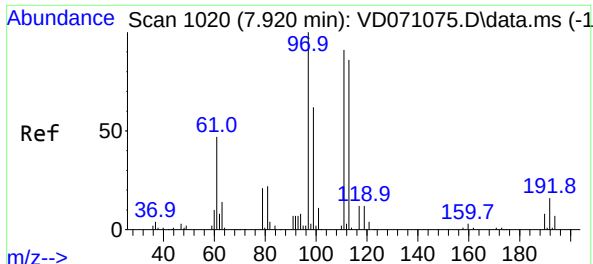
Tgt Ion: 65 Resp: 168023
Ion Ratio Lower Upper
65 100
67 51.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

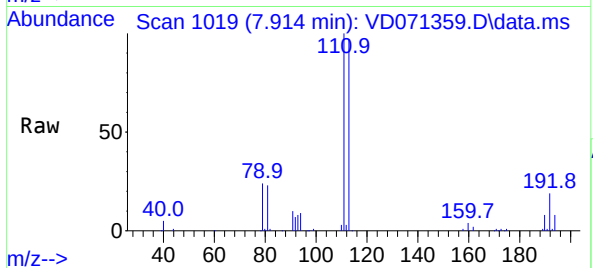
Tgt Ion: 114 Resp: 427796
Ion Ratio Lower Upper
114 100
63 22.8 0.0 41.8
88 14.8 0.0 32.8



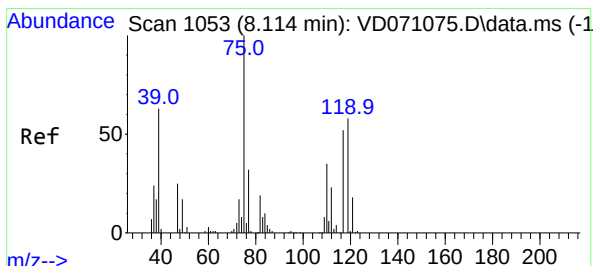
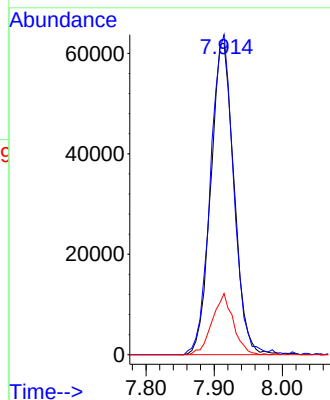
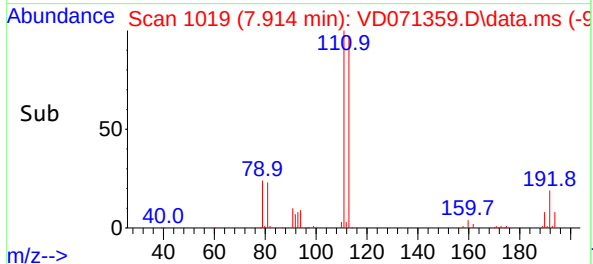


#35
Dibromofluoromethane
Concen: 54.135 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

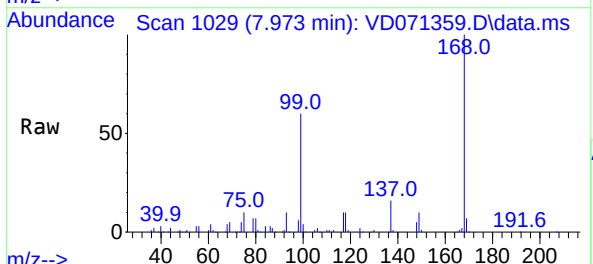
Instrument :
MSVOA_D
ClientSampleId :



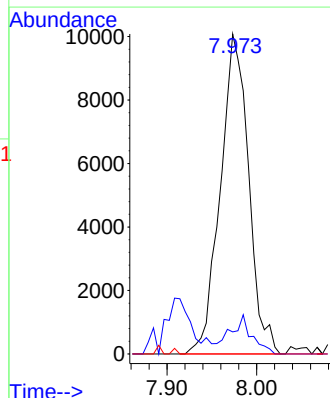
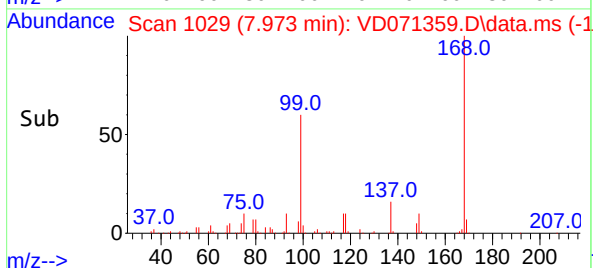
Tgt Ion:113 Resp: 147472
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 17.9 15.2 22.8

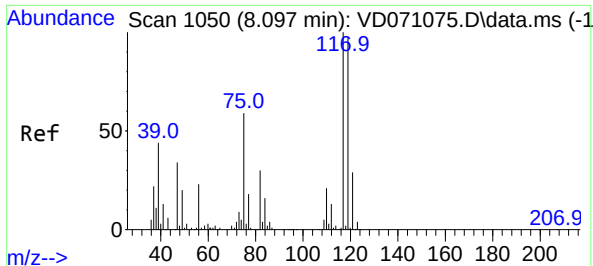


#36
1,1-Dichloropropene
Concen: 5.513 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55



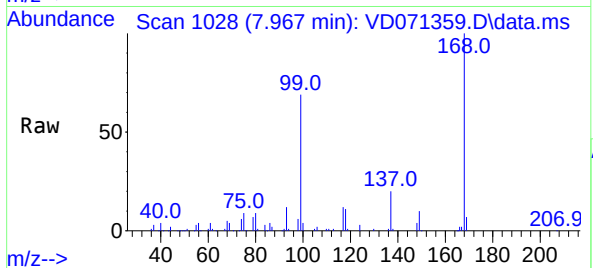
Tgt Ion: 75 Resp: 22044
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.4#
77 0.0 24.8 37.2#



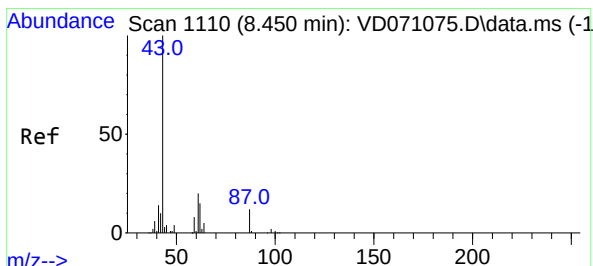
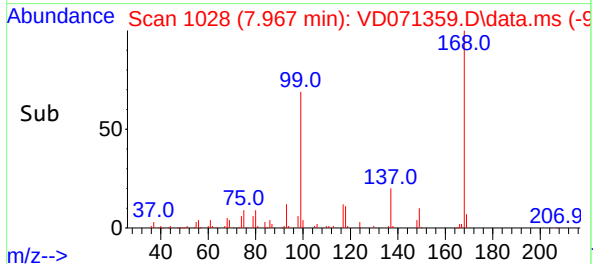
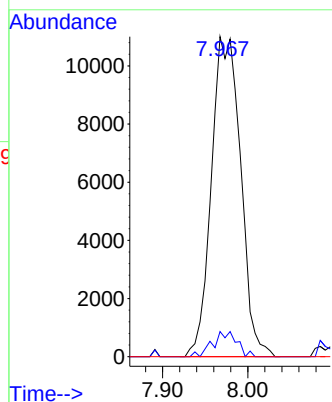


#38
Carbon Tetrachloride
Concen: 6.658 ug/l
RT: 7.967 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Instrument :
MSVOA_D
ClientSampleId :

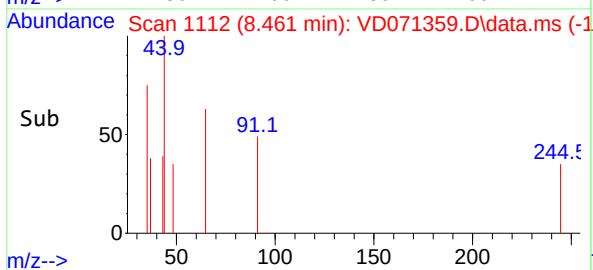
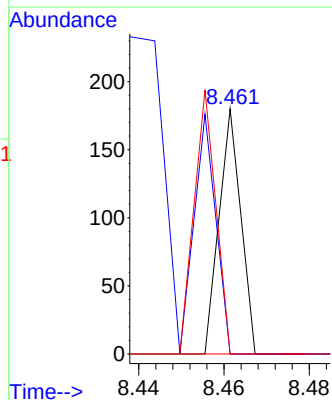
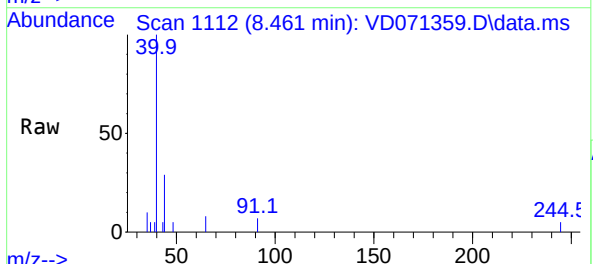


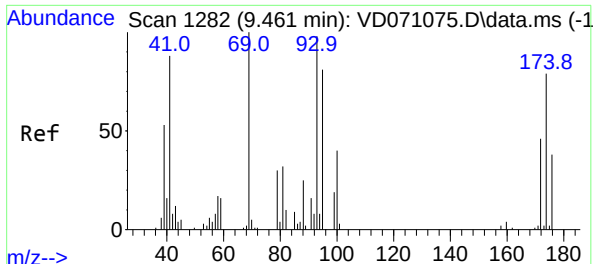
Tgt Ion:117 Resp: 26240
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.238 ug/l
RT: 8.461 min Scan# 1112
Delta R.T. 0.011 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion: 43 Resp: 63
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 107.9 10.7 16.1#





#49

1,4-Dioxane

Concen: 5.243 ug/l

RT: 9.314 min Scan# 11

Delta R.T. -0.147 min

Lab File: VD071359.D

Acq: 16 Dec 2021 10:55

Instrument :

MSVOA_D

ClientSampleId :

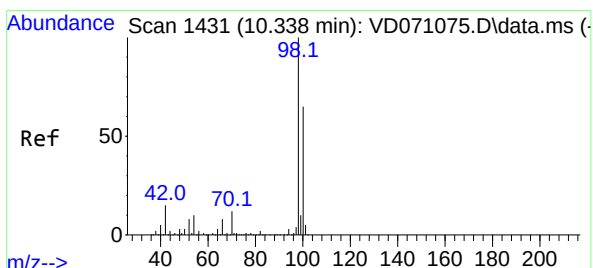
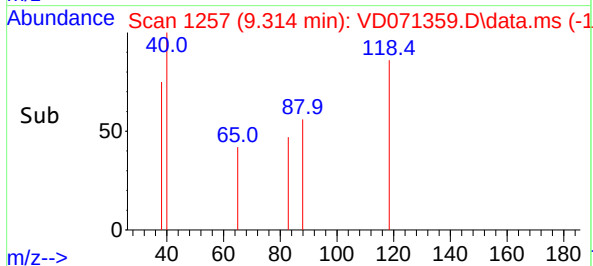
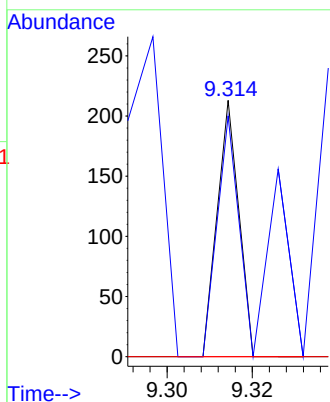
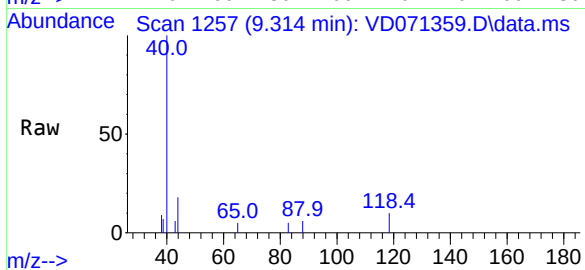
Tgt Ion: 88 Resp: 75

Ion Ratio Lower Upper

88 100

43 94.7 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 45.987 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071359.D

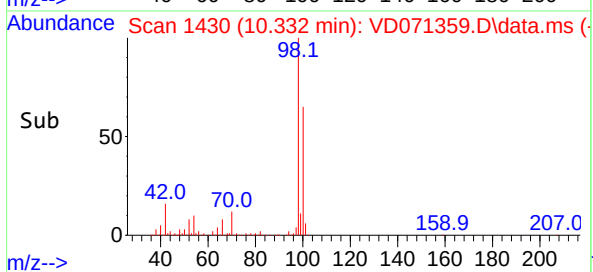
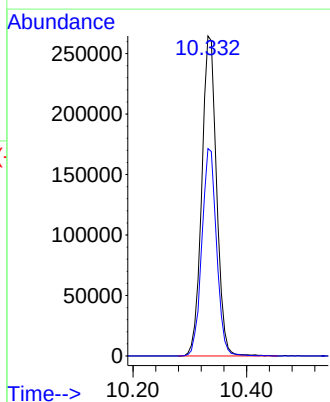
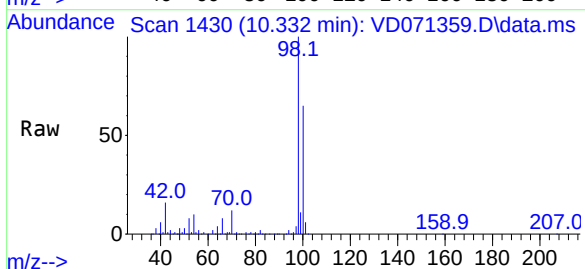
Acq: 16 Dec 2021 10:55

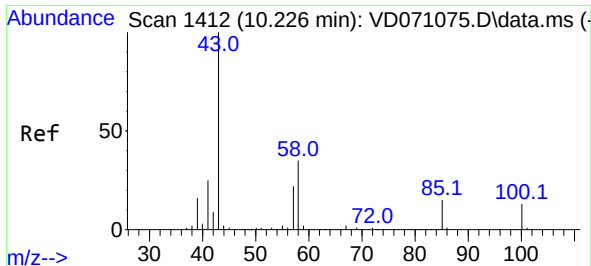
Tgt Ion: 98 Resp: 476740

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6

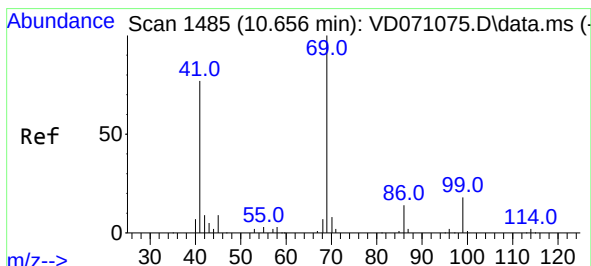
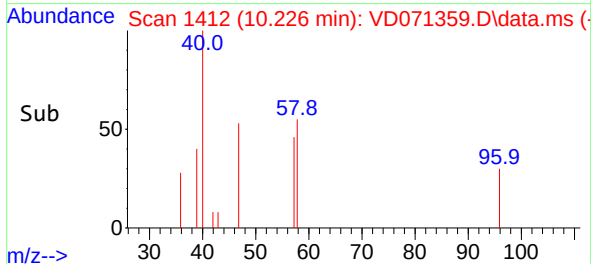
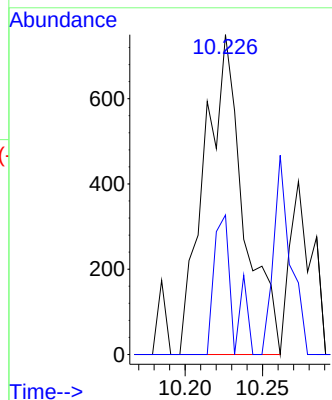
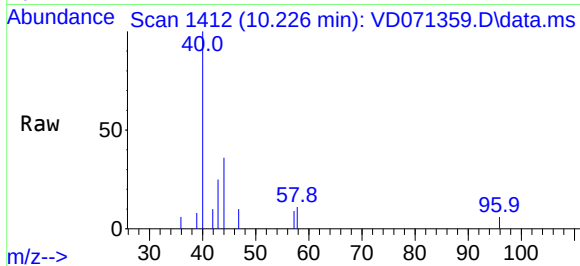




#51
4-Methyl-2-Pentanone
Concen: 31.245 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

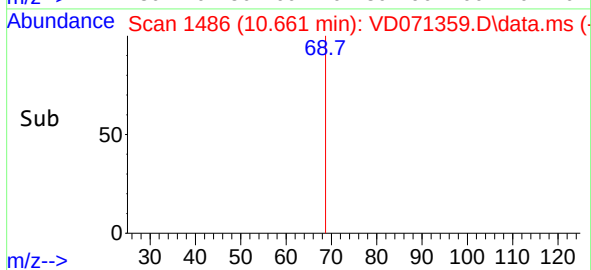
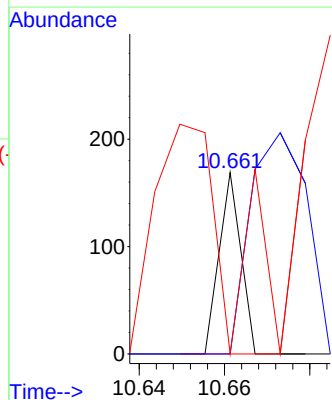
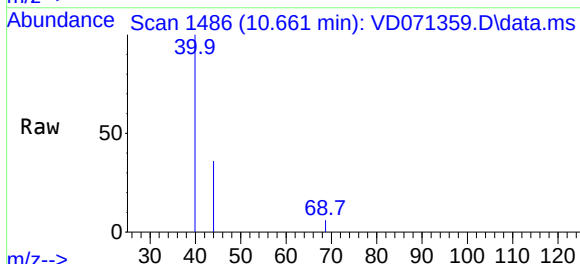
Instrument :
MSVOA_D
ClientSampleId :

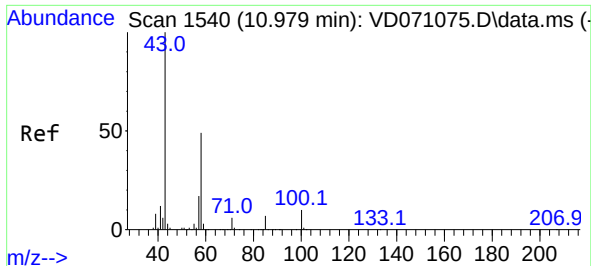
Tgt Ion: 43 Resp: 1317
Ion Ratio Lower Upper
43 100
58 21.5 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.989 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.005 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 315.0 50.2 75.2#
39 0.0 19.8 29.8#

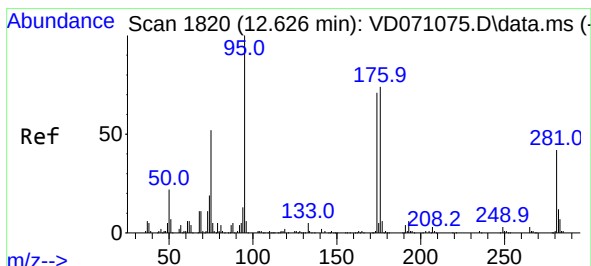
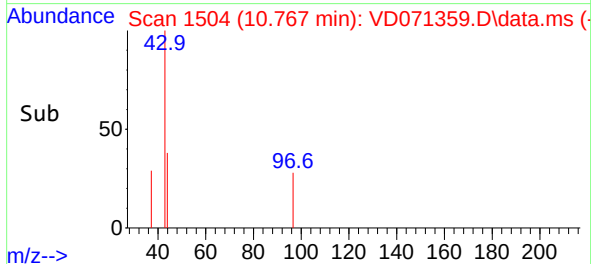
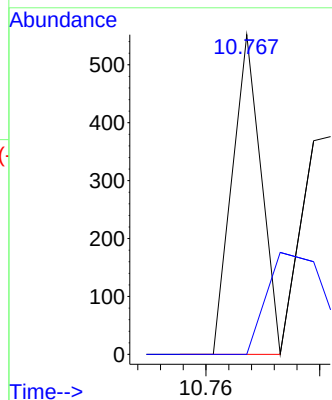
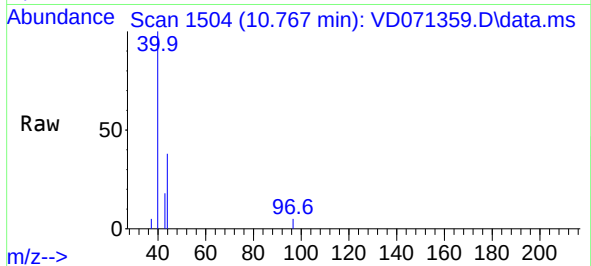




#59
2-Hexanone
Concen: 34.688 ug/l
RT: 10.767 min Scan# 11
Delta R.T. -0.212 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

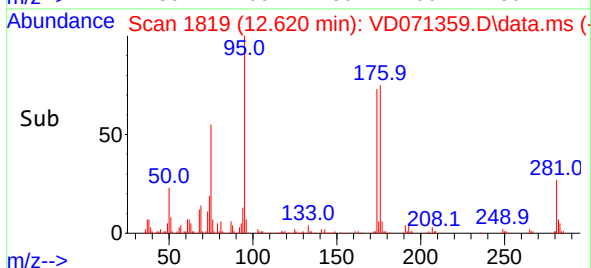
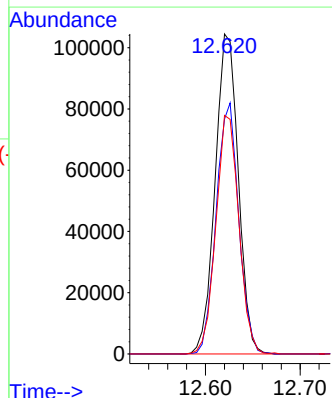
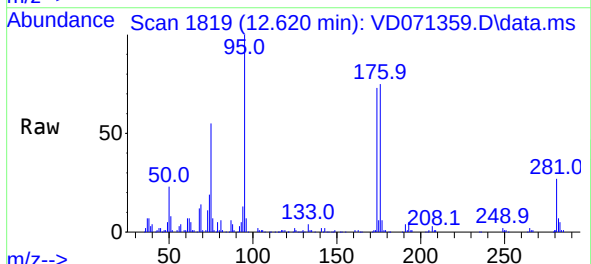
Instrument :
MSVOA_D
ClientSampleId :

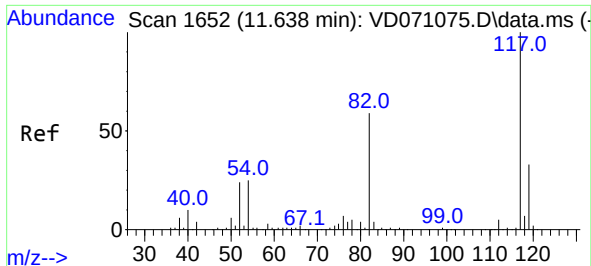
Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
58 61.0 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 49.438 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion: 95 Resp: 177658
Ion Ratio Lower Upper
95 100
174 76.4 0.0 159.4
176 73.9 0.0 154.0

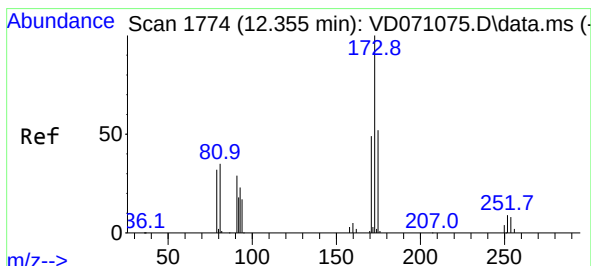
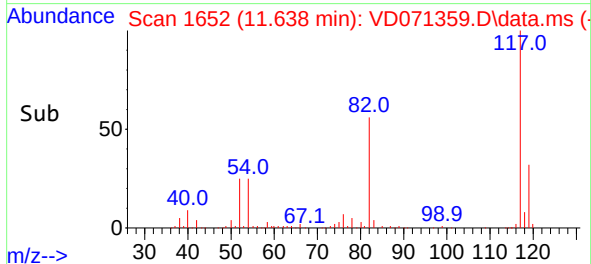
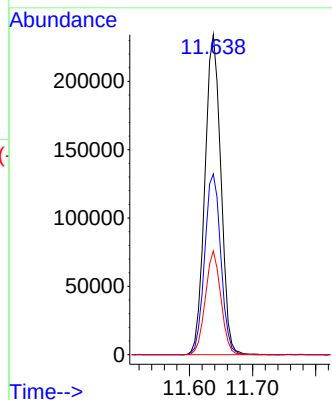
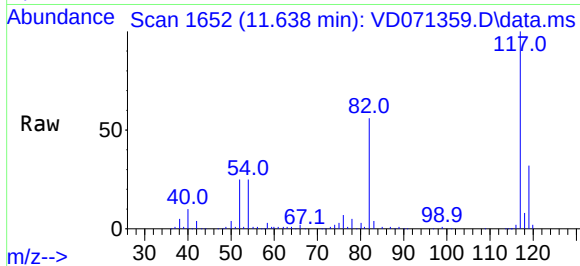




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

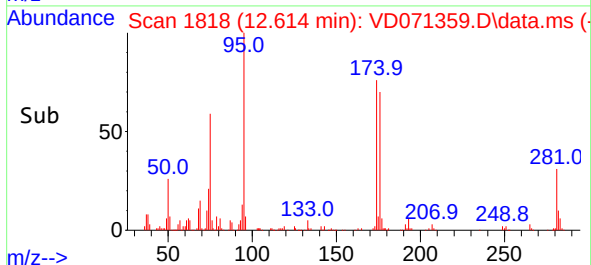
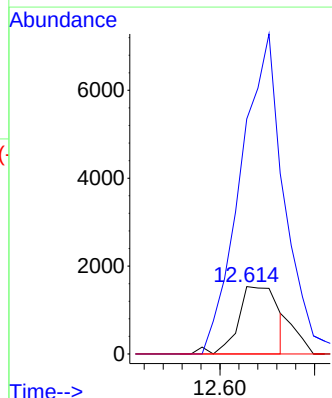
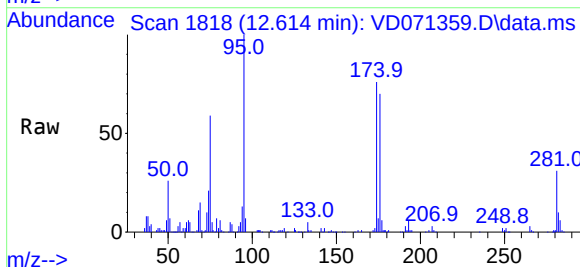
Instrument :
MSVOA_D
ClientSampleId :

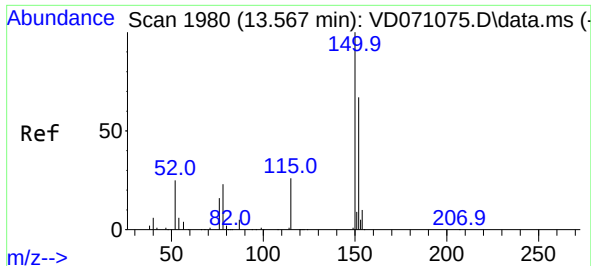
Tgt Ion:117 Resp: 409922
Ion Ratio Lower Upper
117 100
82 56.4 44.7 67.1
119 32.4 26.2 39.4



#71
Bromoform
Concen: 1.545 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.259 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion:173 Resp: 2223
Ion Ratio Lower Upper
173 100
175 452.4 24.1 72.2#
254 0.0 0.1 0.1#

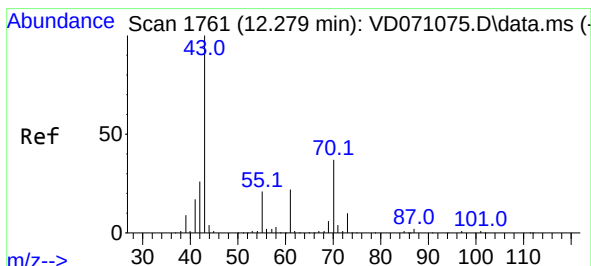
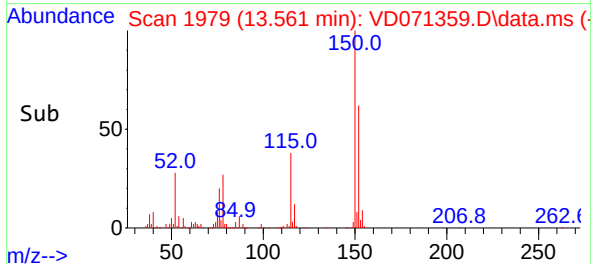
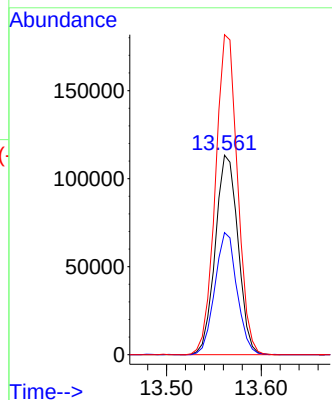
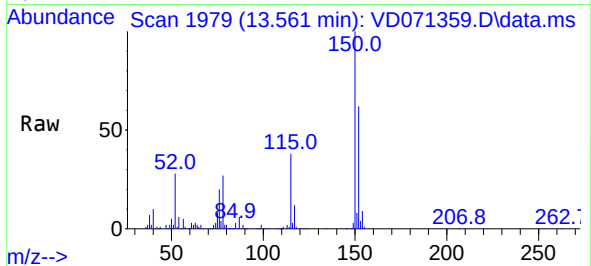




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

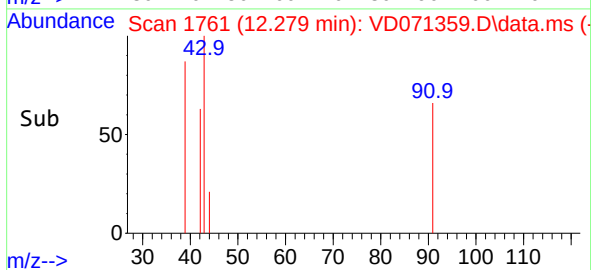
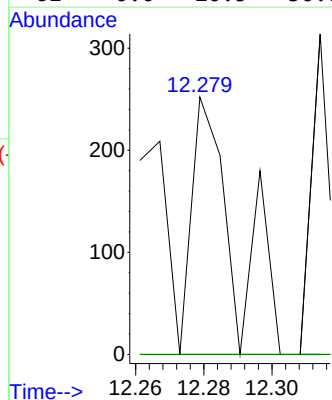
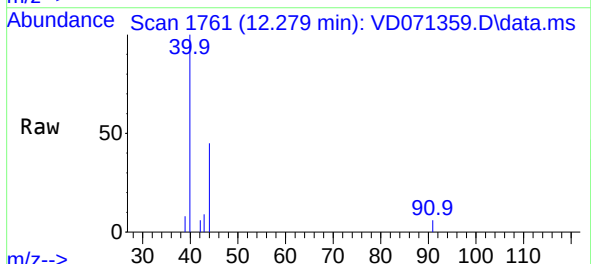
Instrument :
MSVOA_D
ClientSampleId :

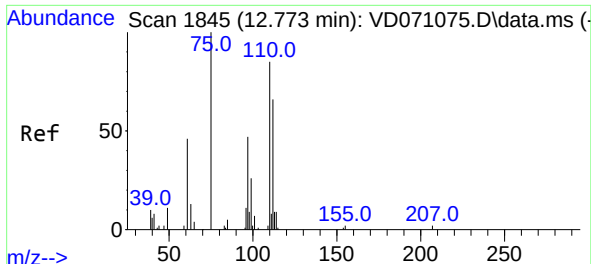
Tgt Ion:152 Resp: 189254
Ion Ratio Lower Upper
152 100
115 59.8 29.8 89.3
150 156.2 0.0 349.2



#74
N-ethyl acetate
Concen: 5.753 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion: 43 Resp: 221
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#

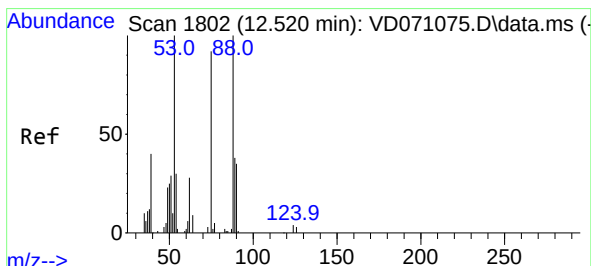
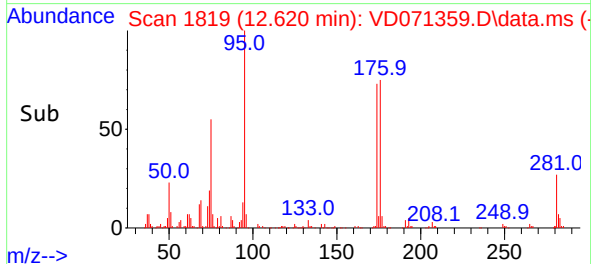
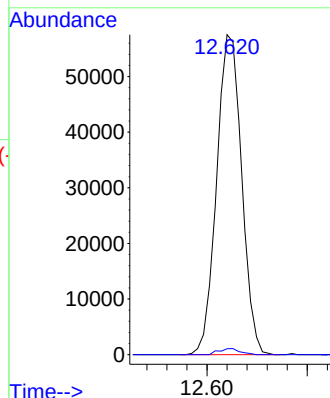
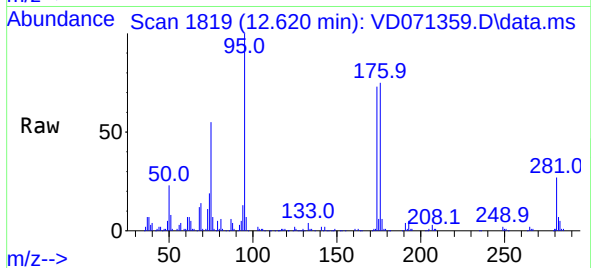




#76
1,2,3-Trichloropropane
Concen: 55.296 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 99706
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.173 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071359.D
Acq: 16 Dec 2021 10:55

Tgt Ion: 75 Resp: 99706
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.5 34.5 51.7#

