

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071350.D
 Acq On : 15 Dec 2021 18:45
 Operator : VA/SY
 Sample : M5089-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:31:10 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)

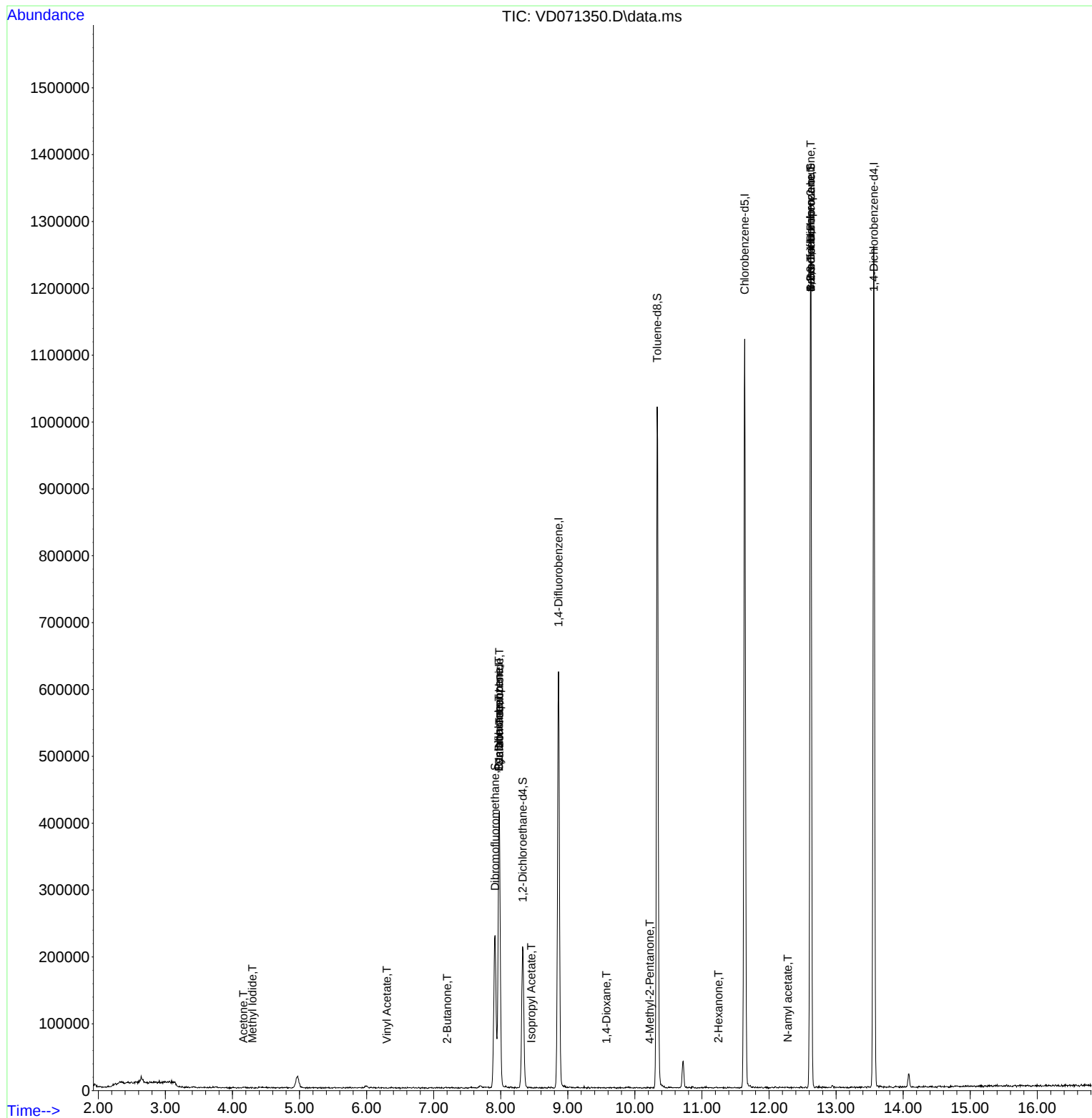
Internal Standards						
1) Pentafluorobenzene	7.973	168	284104	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	491729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	584227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	293297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166965	50.085	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.180%	
35) Dibromofluoromethane	7.914	113	160878	51.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.760%	
50) Toluene-d8	10.332	98	656175	55.066	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.140%	
62) 4-Bromofluorobenzene	12.620	95	304080	73.617	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 147.240%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	202	4.616	ug/l #	40
11) Tert butyl alcohol	5.191	59	122	Below Cal	#	71
16) Acetone	4.162	43	1853	32.632	ug/l #	40
20) Methylene Chloride	4.956	84	13059	Below Cal	#	90
23) Vinyl Acetate	6.303	43	100	27.235	ug/l #	72
25) 2-Butanone	7.203	43	87	28.434	ug/l #	45
31) Cyclohexane	7.973	56	7628	1.345	ug/l #	28
36) 1,1-Dichloropropene	7.973	75	27436	5.970	ug/l #	47
38) Carbon Tetrachloride	7.979	117	30473	6.726	ug/l #	18
41) Methacrylonitrile	7.497	41	62	Below Cal	#	12
43) Isopropyl Acetate	8.456	43	77	5.239	ug/l #	47
49) 1,4-Dioxane	9.573	88	68	4.136	ug/l #	51
51) 4-Methyl-2-Pentanone	10.220	43	132	30.704	ug/l #	34
59) 2-Hexanone	11.244	43	132	34.641	ug/l	83
71) Bromoform	12.620	173	4203	2.050	ug/l #	1
74) N-amyl acetate	12.279	43	82	5.714	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	174362	62.397	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	174362	134.863	ug/l #	19

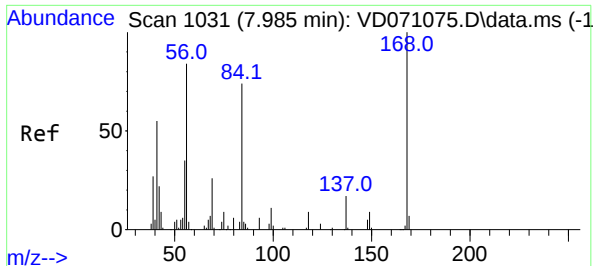
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
Data File : VD071350.D
Acq On : 15 Dec 2021 18:45
Operator : VA/SY
Sample : M5089-01
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 16 04:31:10 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: 7.973 min Scan# 1031

Delta R.T. -0.012 min

Lab File: VD071350.D

Acq: 15 Dec 2021 18:45

Instrument :

MSVOA_D

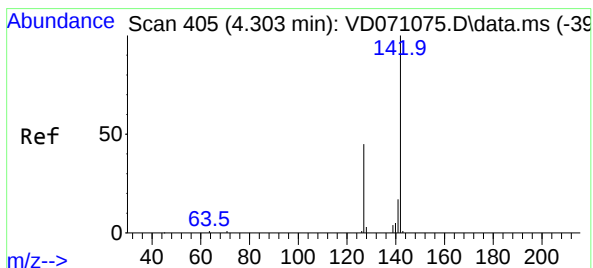
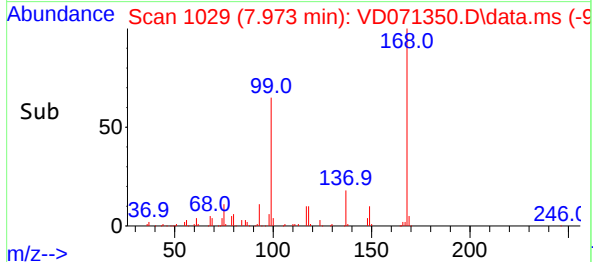
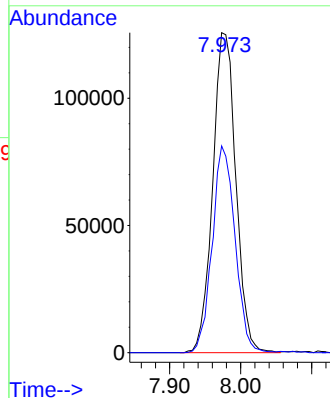
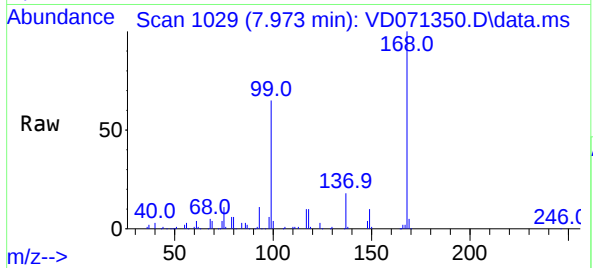
ClientSampleId :

Tgt Ion:168 Resp: 284104

Ion Ratio Lower Upper

168 100

99 64.6 46.6 69.8



#10

Methyl Iodide

Concen: 4.616 ug/l

RT: 4.297 min Scan# 404

Delta R.T. -0.006 min

Lab File: VD071350.D

Acq: 15 Dec 2021 18:45

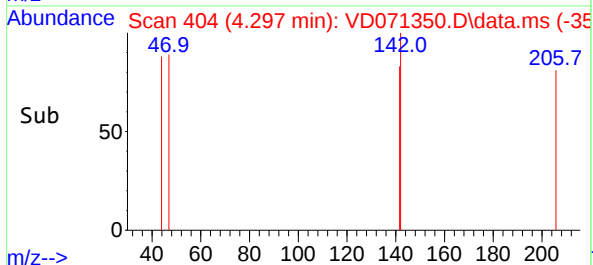
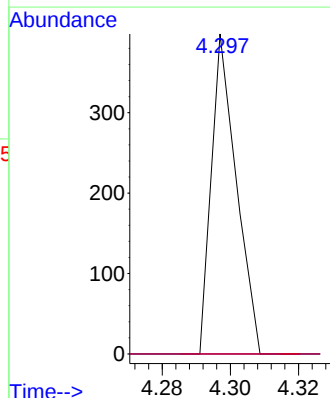
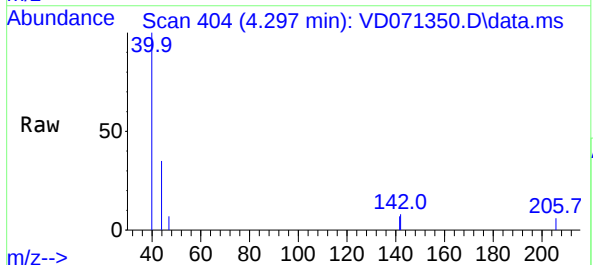
Tgt Ion:142 Resp: 202

Ion Ratio Lower Upper

142 100

127 0.0 35.0 52.4#

141 0.0 12.0 18.0#

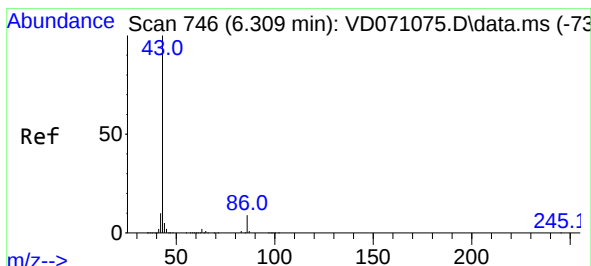
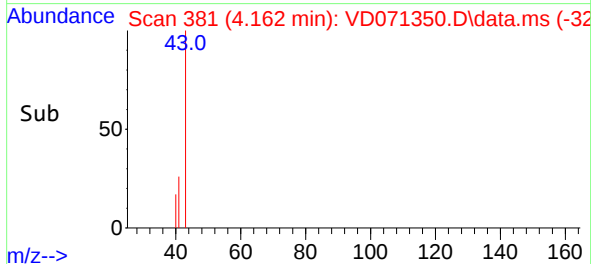
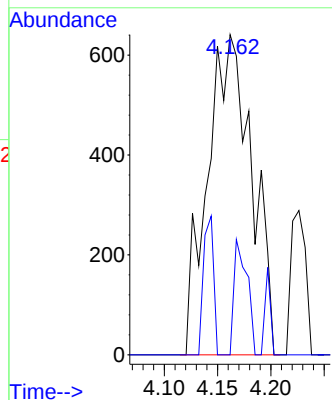
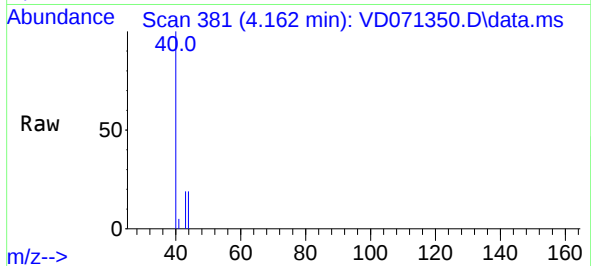




#16
Acetone
Concen: 32.632 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

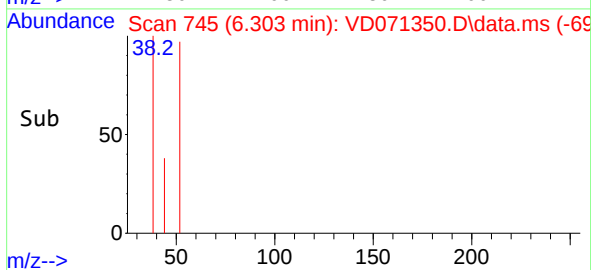
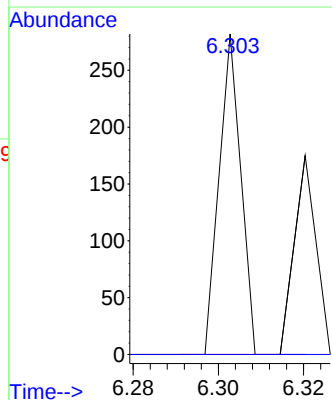
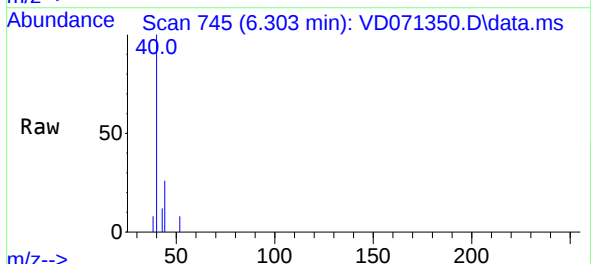
Instrument :
MSVOA_D
ClientSampleId :

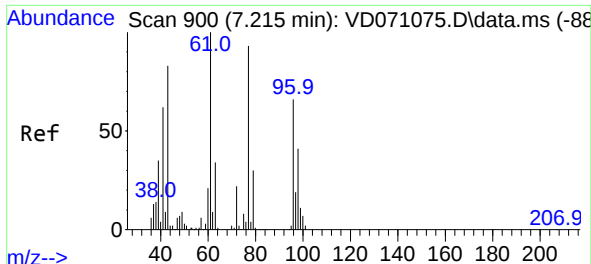
Tgt Ion: 43 Resp: 1853
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.235 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

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





#25

2-Butanone

Concen: 28.434 ug/l

RT: 7.203 min Scan# 87

Delta R.T. -0.012 min

Lab File: VD071350.D

Acq: 15 Dec 2021 18:45

Instrument :

MSVOA_D

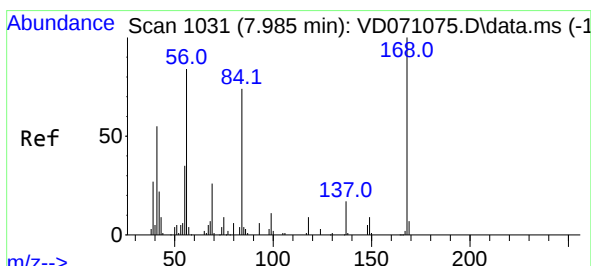
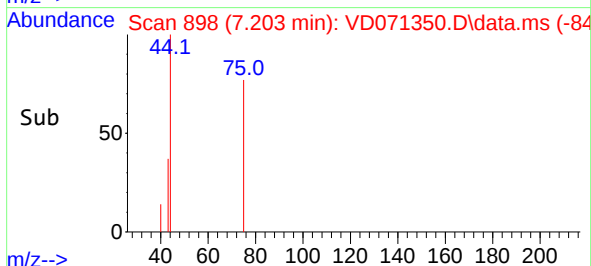
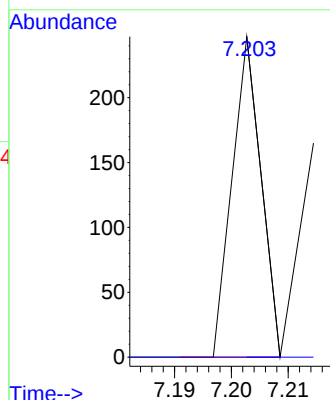
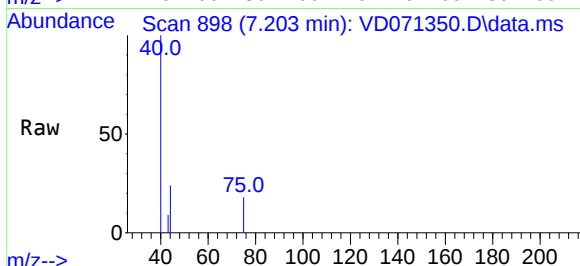
ClientSampleId :

Tgt Ion: 43 Resp: 87

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.345 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071350.D

Acq: 15 Dec 2021 18:45

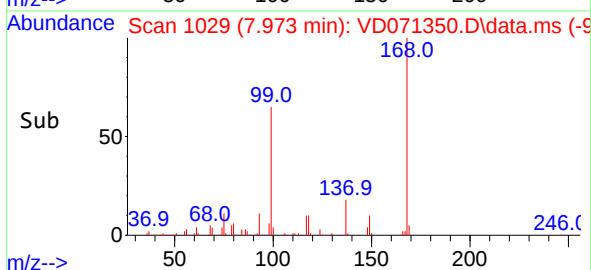
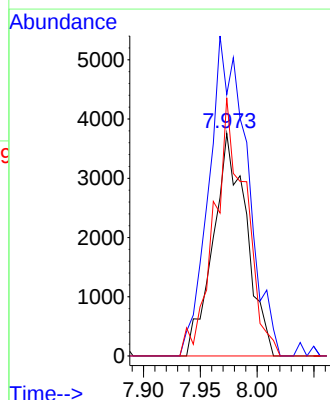
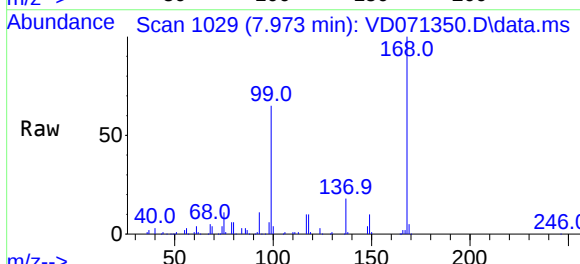
Tgt Ion: 56 Resp: 7628

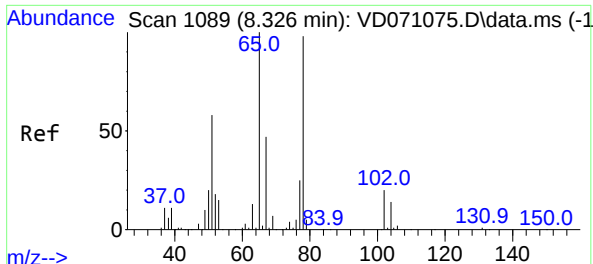
Ion Ratio Lower Upper

56 100

69 117.5 25.9 38.9#

84 116.0 64.3 96.5#

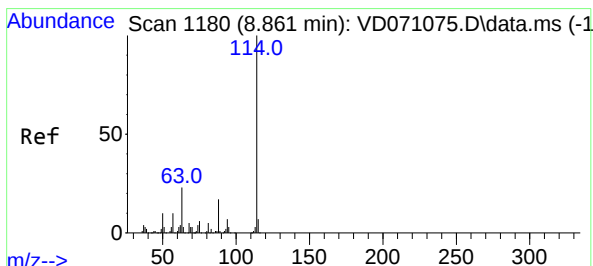
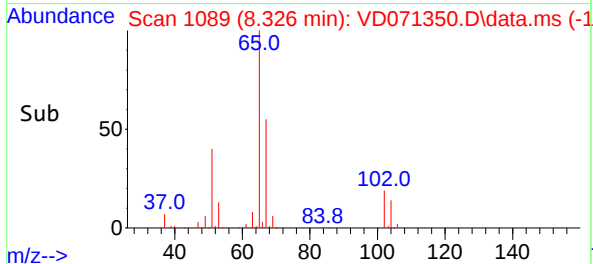
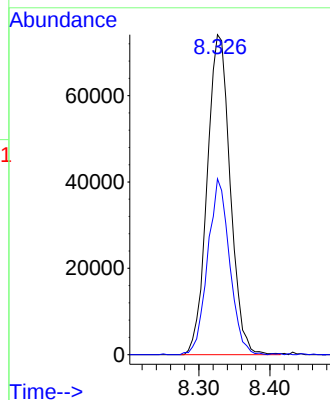
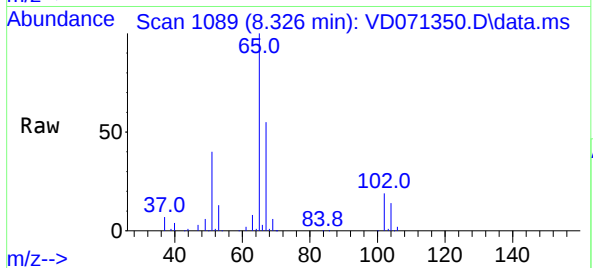




#33
1,2-Dichloroethane-d4
Concen: 50.085 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

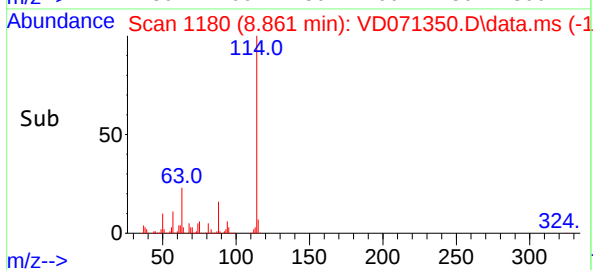
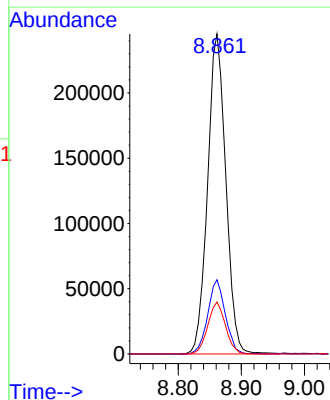
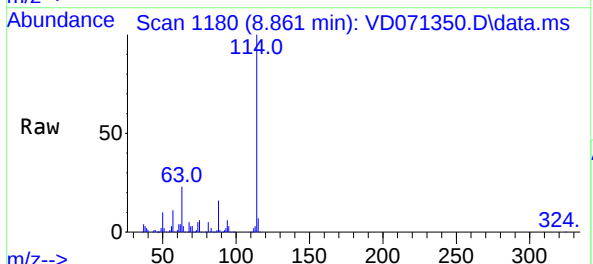
Instrument :
MSVOA_D
ClientSampleId :

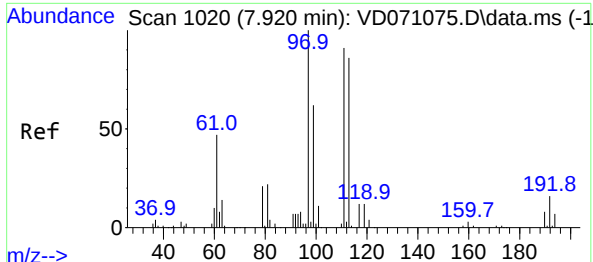
Tgt Ion: 65 Resp: 166965
Ion Ratio Lower Upper
65 100
67 52.2 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Tgt Ion:114 Resp: 491729
Ion Ratio Lower Upper
114 100
63 23.2 0.0 41.8
88 16.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.378 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071350.D

Acq: 15 Dec 2021 18:45

Instrument :

MSVOA_D

ClientSampleId :

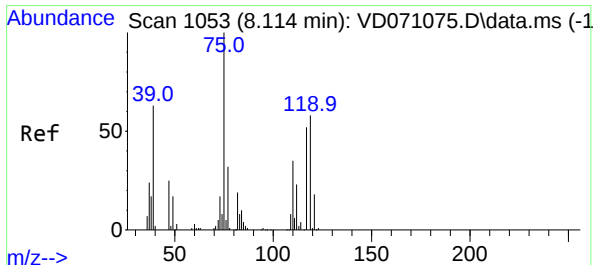
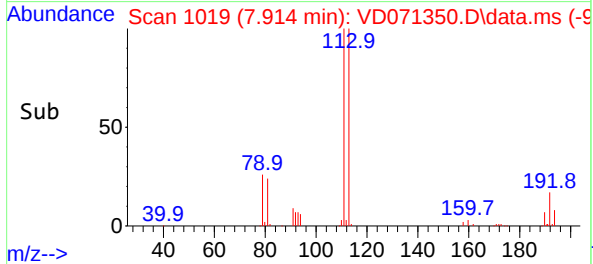
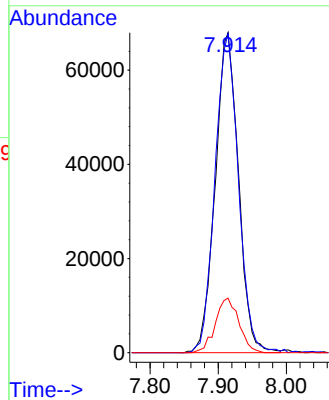
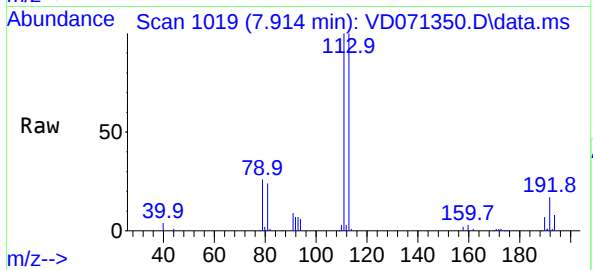
Tgt Ion:113 Resp: 160878

Ion Ratio Lower Upper

113 100

111 100.6 82.0 123.0

192 17.3 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.970 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071350.D

Acq: 15 Dec 2021 18:45

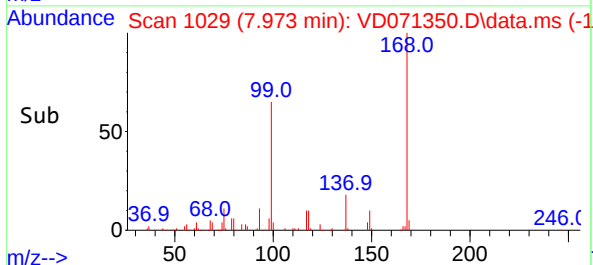
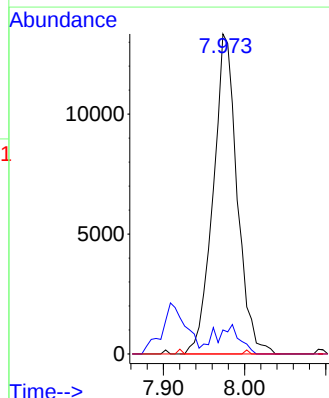
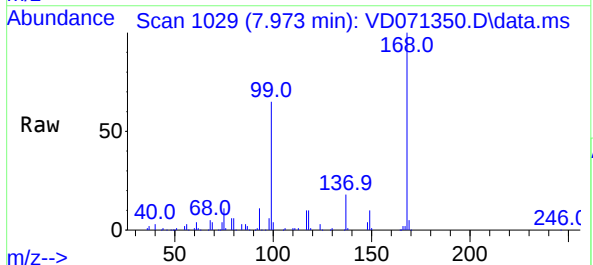
Tgt Ion: 75 Resp: 27436

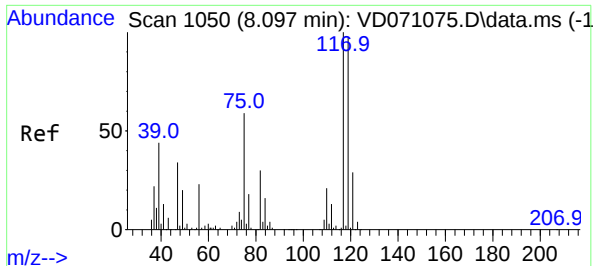
Ion Ratio Lower Upper

75 100

110 6.3 17.8 53.4#

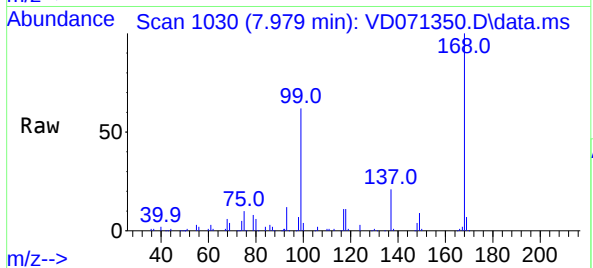
77 0.0 24.8 37.2#



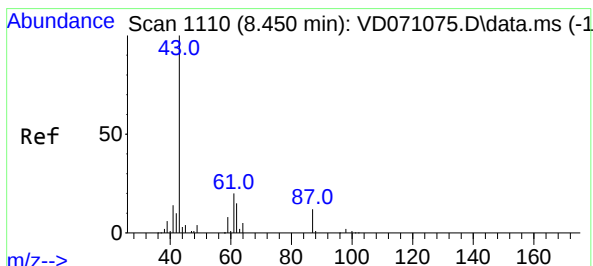
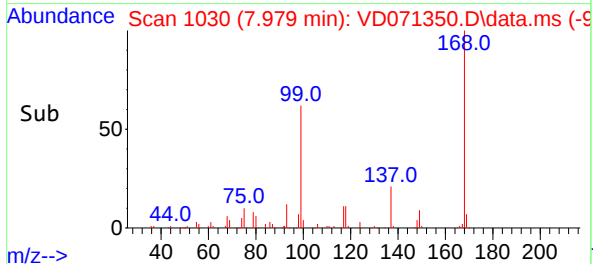
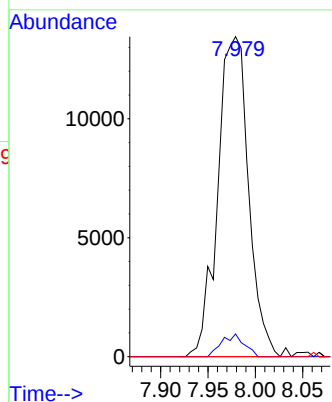


#38
Carbon Tetrachloride
Concen: 6.726 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

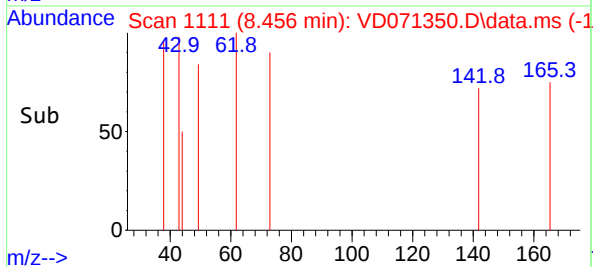
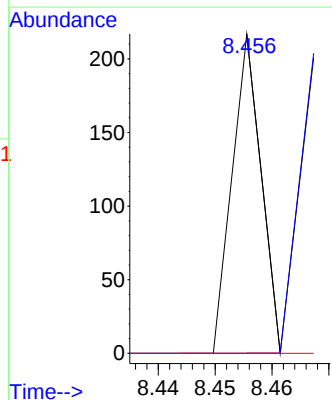
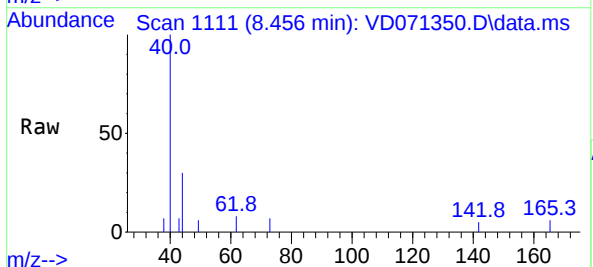


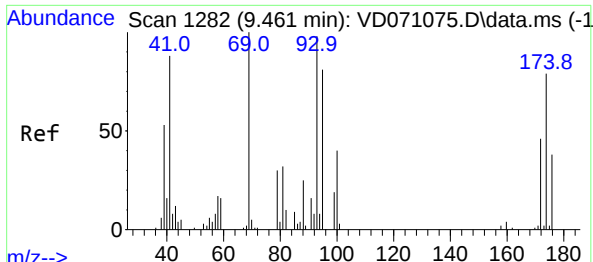
Tgt Ion:117 Resp: 30473
Ion Ratio Lower Upper
117 100
119 7.1 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.239 ug/l
RT: 8.456 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

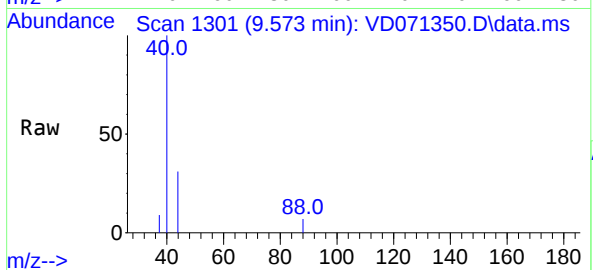
Tgt Ion: 43 Resp: 77
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



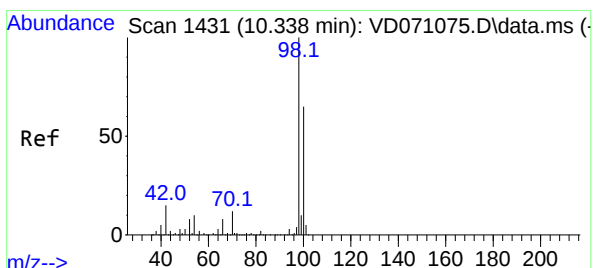
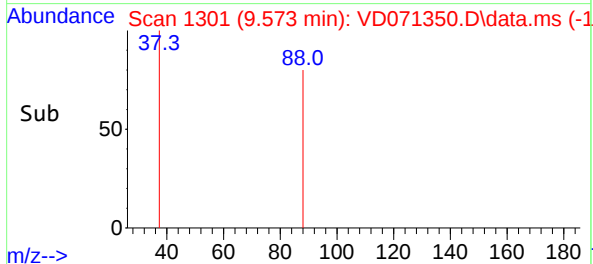
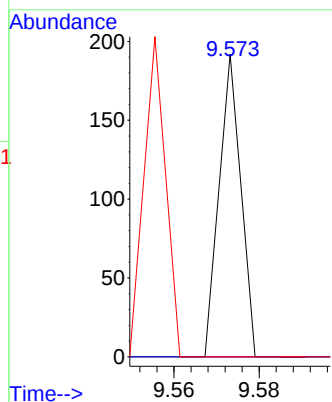


#49
1,4-Dioxane
Concen: 4.136 ug/l
RT: 9.573 min Scan# 11
Delta R.T. 0.112 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

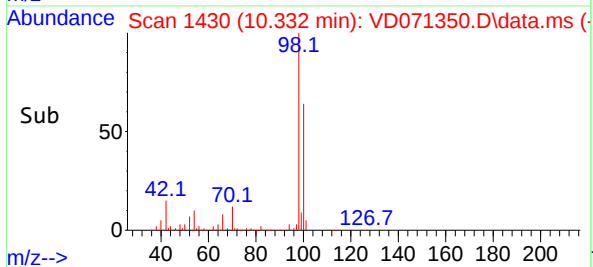
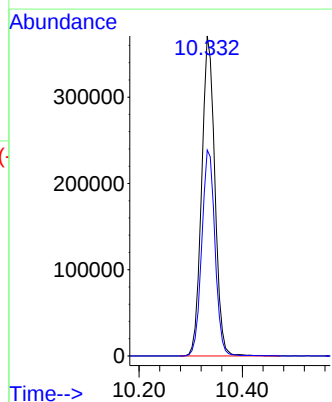
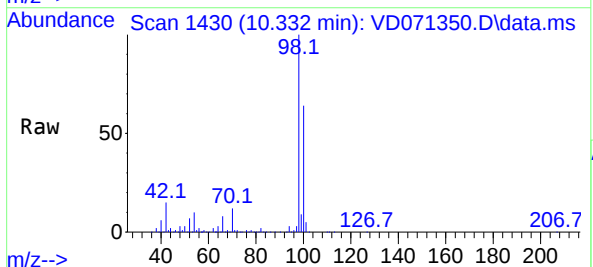


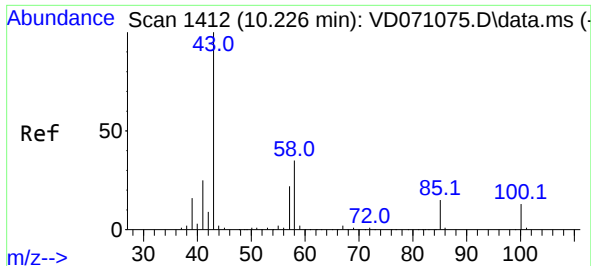
Tgt Ion: 88 Resp: 68
Ion Ratio Lower Upper
88 100
43 0.0 28.9 43.3#
58 105.9 56.3 84.5#



#50
Toluene-d8
Concen: 55.066 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Tgt Ion: 98 Resp: 656175
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6

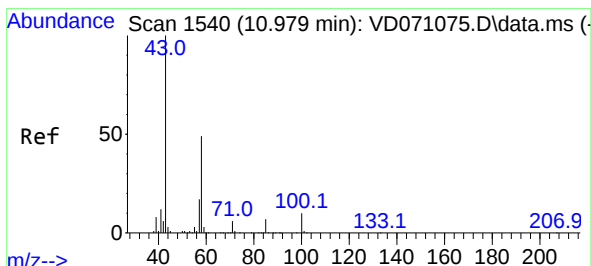
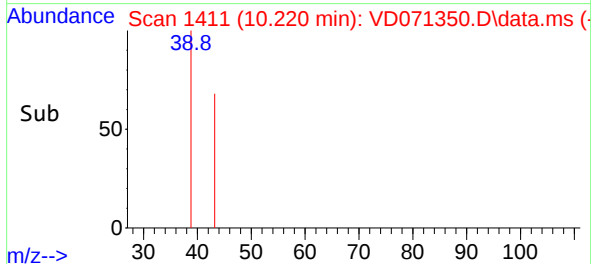
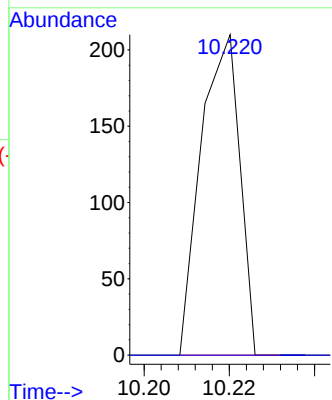
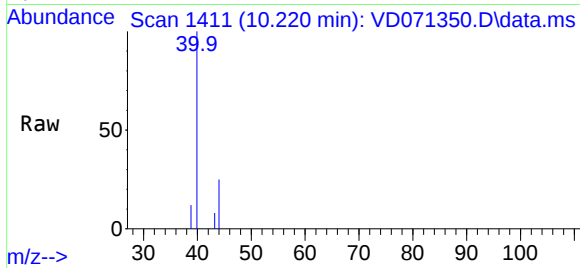




#51
4-Methyl-2-Pentanone
Concen: 30.704 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

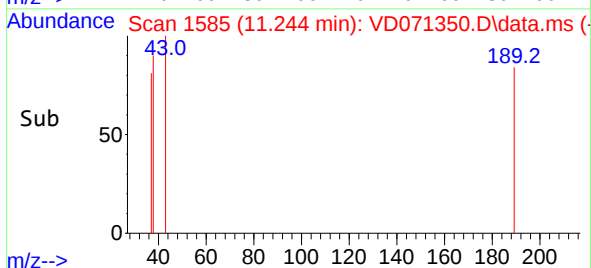
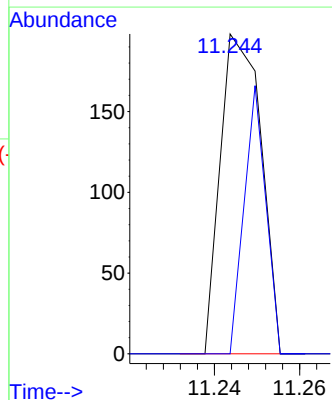
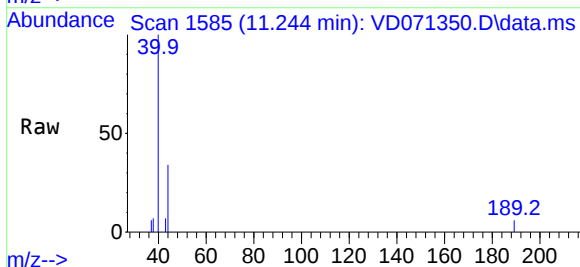
Instrument :
MSVOA_D
ClientSampleId :

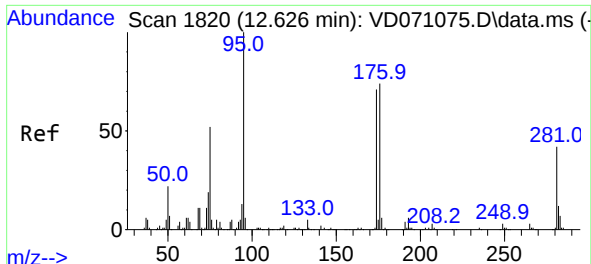
Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.641 ug/l
RT: 11.244 min Scan# 1585
Delta R.T. 0.265 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

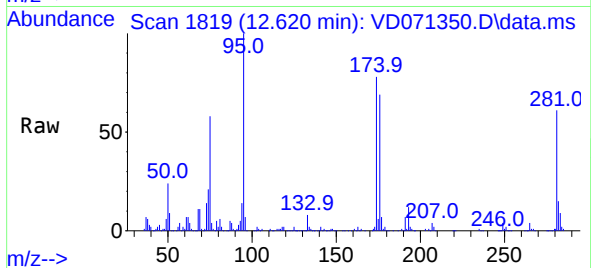
Tgt Ion: 43 Resp: 132
Ion Ratio Lower Upper
43 100
58 44.7 28.7 86.1



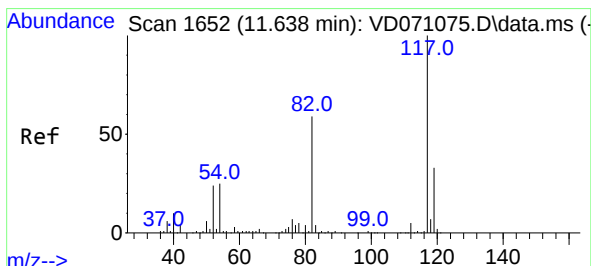
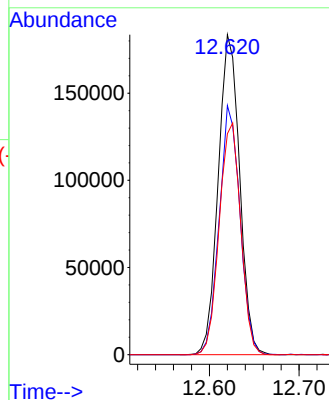
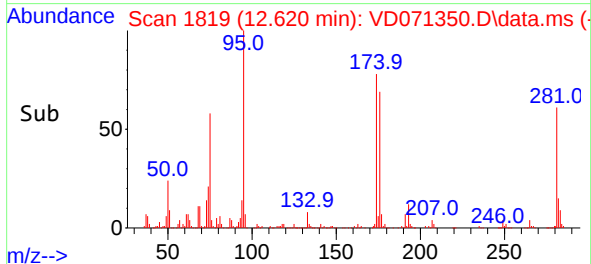


#62
4-Bromofluorobenzene
Concen: 73.617 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :

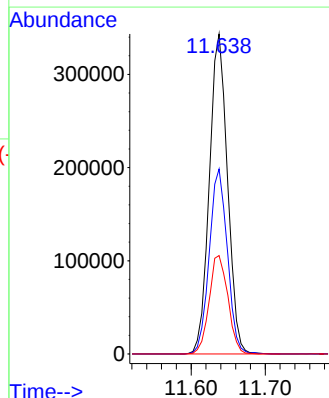
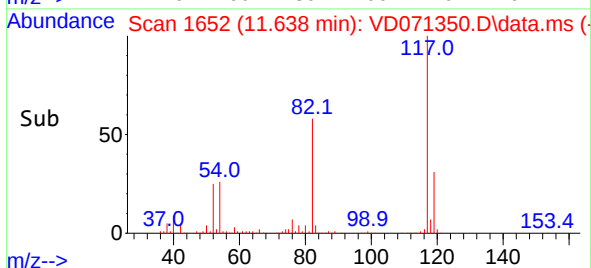
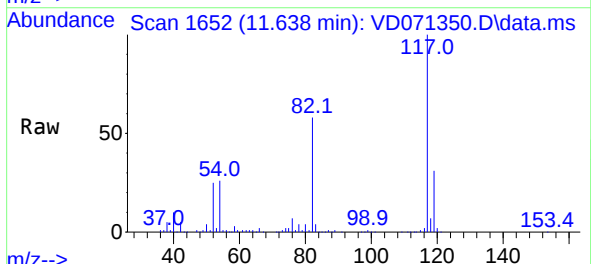


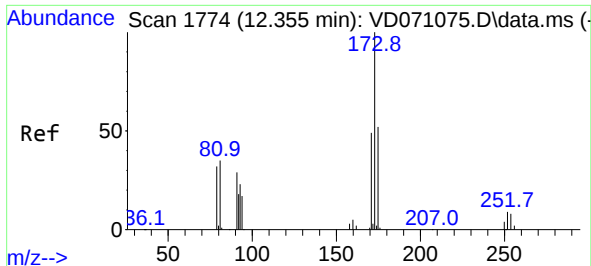
Tgt Ion: 95 Resp: 304080
Ion Ratio Lower Upper
95 100
174 75.8 0.0 159.4
176 72.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Tgt Ion: 117 Resp: 584227
Ion Ratio Lower Upper
117 100
82 57.8 44.7 67.1
119 30.7 26.2 39.4

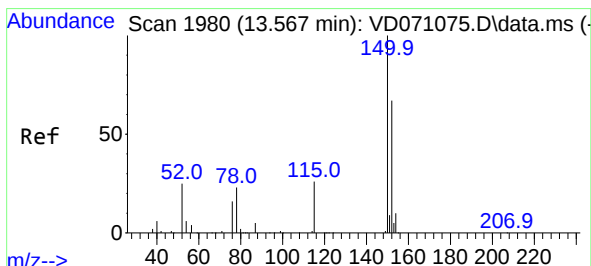
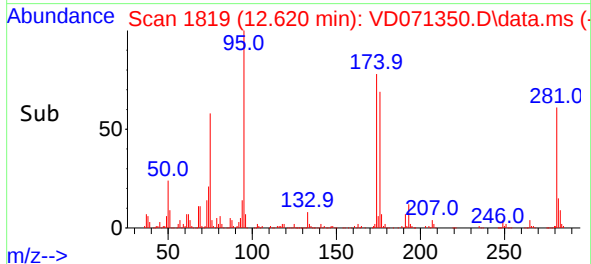
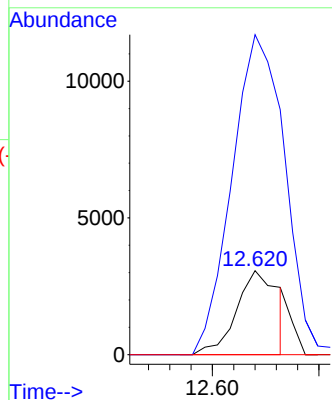
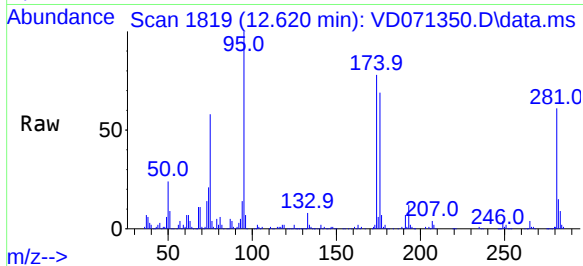




#71
Bromoform
Concen: 2.050 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

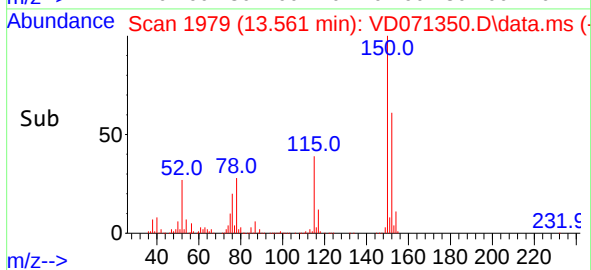
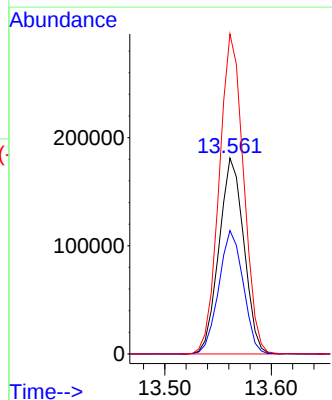
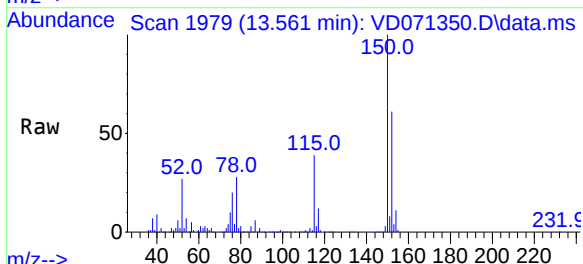
Instrument :
MSVOA_D
ClientSampleId :

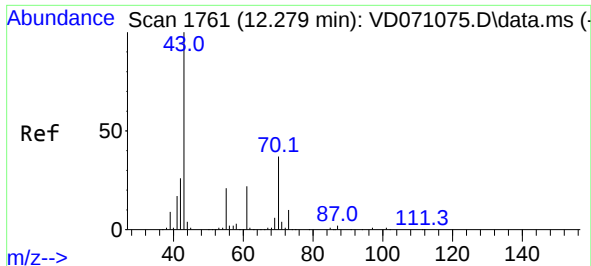
Tgt Ion:173 Resp: 4203
Ion Ratio Lower Upper
173 100
175 426.2 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Tgt Ion:152 Resp: 293297
Ion Ratio Lower Upper
152 100
115 62.0 29.8 89.3
150 160.4 0.0 349.2

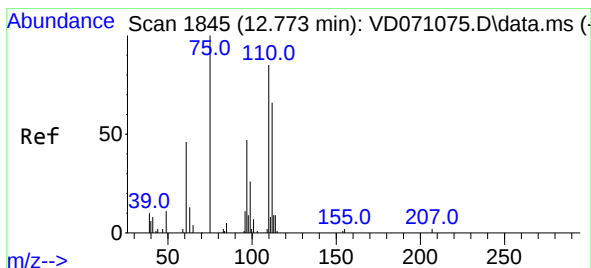
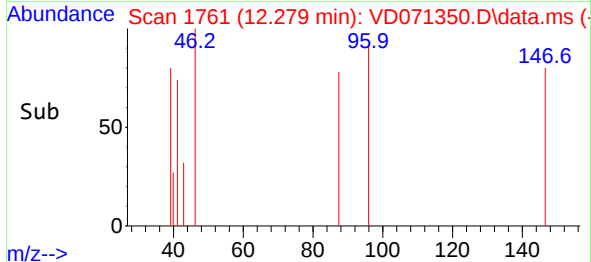
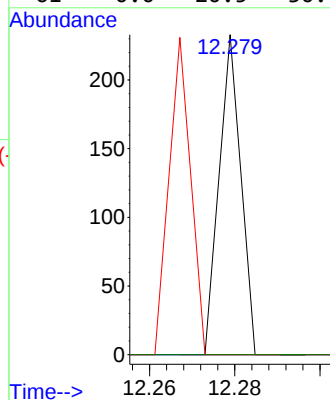
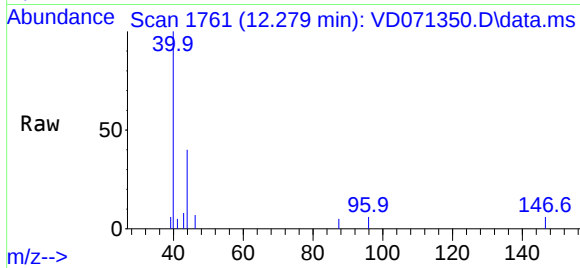




#74
N-amy1 acetate
Concen: 5.714 ug/l
RT: 12.279 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

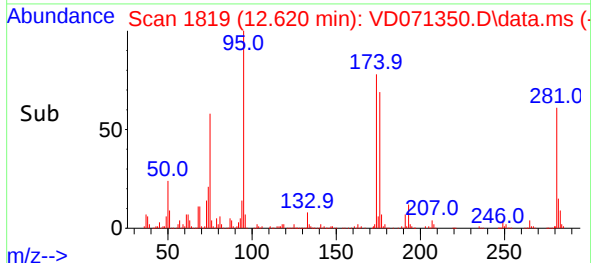
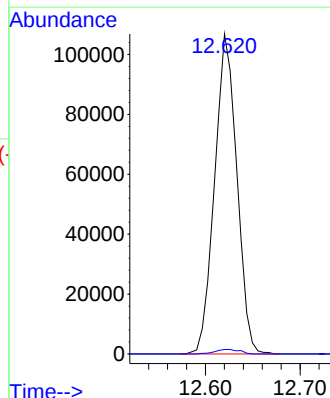
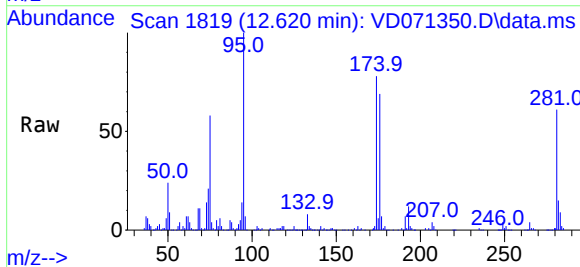
Instrument :
MSVOA_D
ClientSampleId :

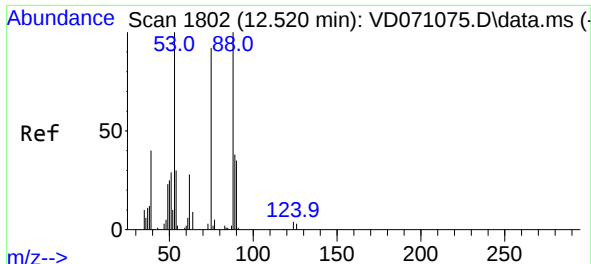
Tgt Ion: 43	Resp: 82
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 100.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 62.397 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

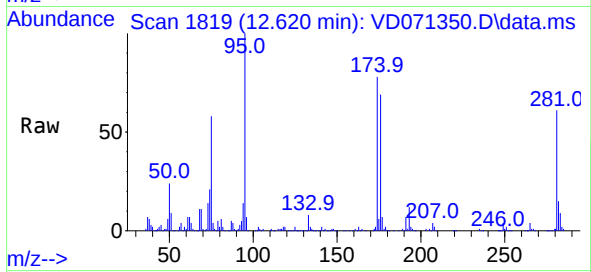
Tgt Ion: 75	Resp: 174362
Ion Ratio	Lower Upper
75 100	
77 1.6	158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 134.863 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071350.D
Acq: 15 Dec 2021 18:45

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 174362
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.7 34.5 51.7#

