

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071351.D
 Acq On : 15 Dec 2021 19:13
 Operator : VA/SY
 Sample : M5089-05
 Misc : 6.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 04:31:31 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)

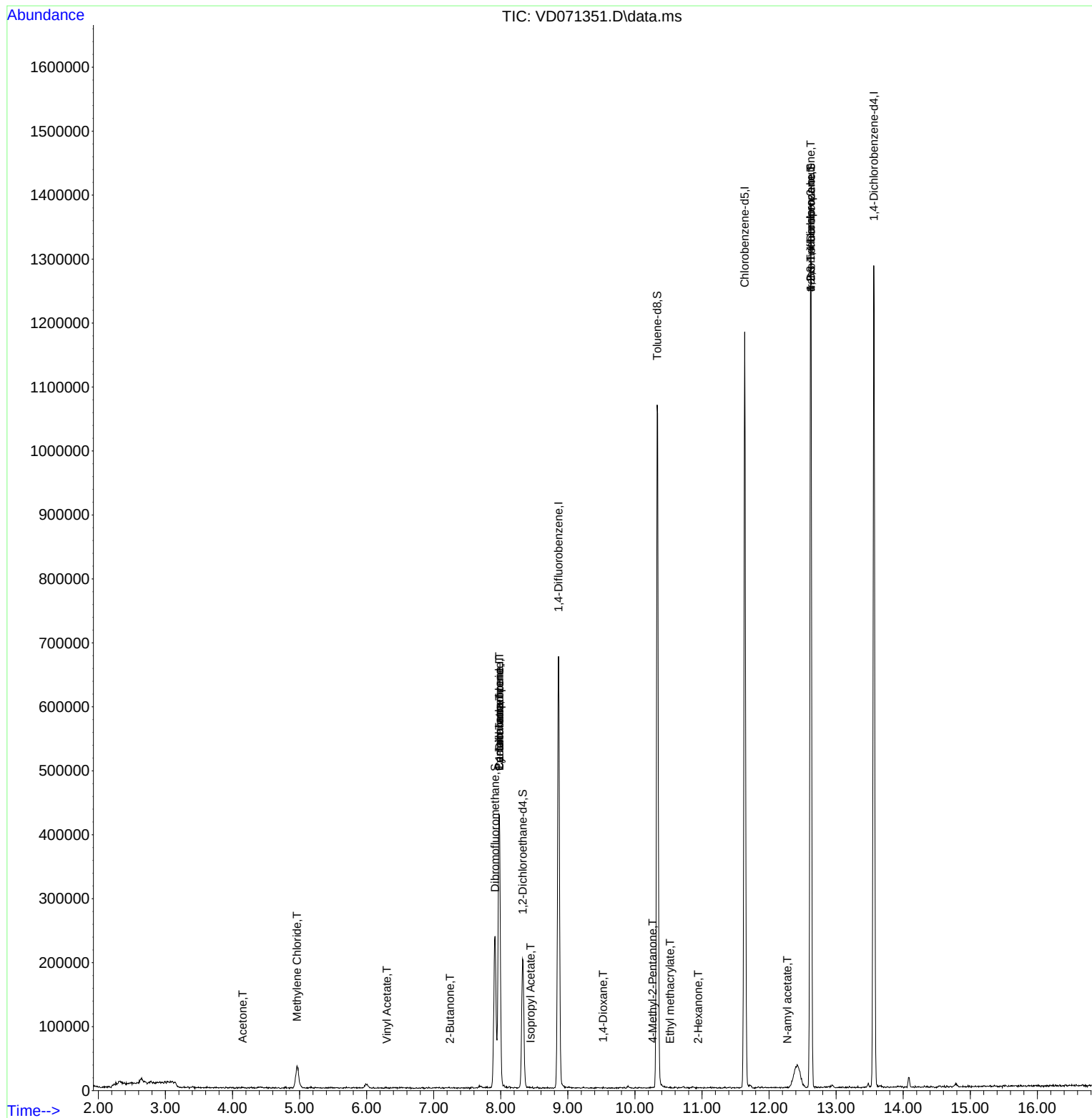
Internal Standards						
1) Pentafluorobenzene	7.979	168	307156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	529509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	609182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	315527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	163780	45.442	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.880%		
35) Dibromofluoromethane	7.914	113	166478	49.373	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.740%		
50) Toluene-d8	10.332	98	698008	54.397	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.800%		
62) 4-Bromofluorobenzene	12.626	95	319064	71.733	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	143.460%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.220	59	64	Below Cal	#	71
16) Acetone	4.150	43	796	31.525	ug/l	92
20) Methylene Chloride	4.961	84	24396	2.762	ug/l #	91
23) Vinyl Acetate	6.302	43	56	27.227	ug/l #	72
25) 2-Butanone	7.244	43	82	28.425	ug/l #	45
31) Cyclohexane	7.979	56	8887	1.450	ug/l #	39
36) 1,1-Dichloropropene	7.979	75	29665	5.994	ug/l #	49
38) Carbon Tetrachloride	7.979	117	32568	6.676	ug/l #	17
41) Methacrylonitrile	7.520	41	85	Below Cal	#	11
43) Isopropyl Acetate	8.443	43	62	5.235	ug/l #	47
49) 1,4-Dioxane	9.526	88	73	4.123	ug/l #	12
51) 4-Methyl-2-Pentanone	10.267	43	264	30.748	ug/l #	34
56) Ethyl methacrylate	10.526	69	60	5.986	ug/l #	1
59) 2-Hexanone	10.943	43	65	34.605	ug/l	65
74) N-amyl acetate	12.273	43	209	5.731	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	182660	60.761	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	182660	131.479	ug/l #	19

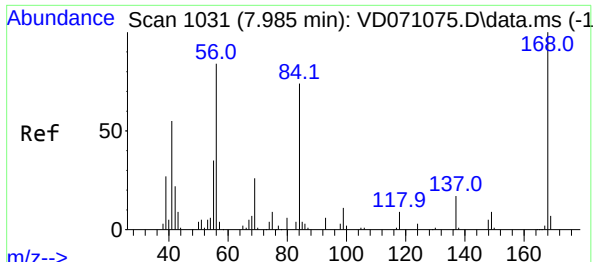
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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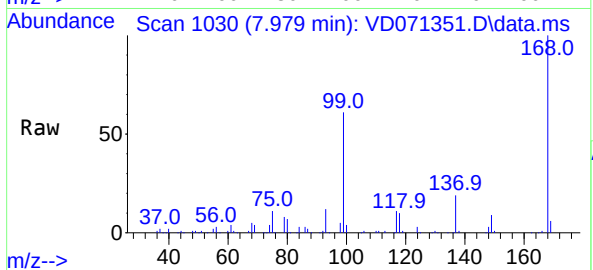
Quant Time: Dec 16 04:31:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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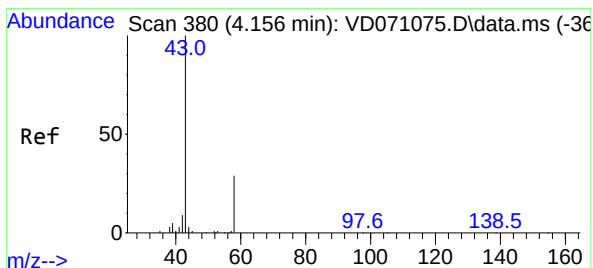
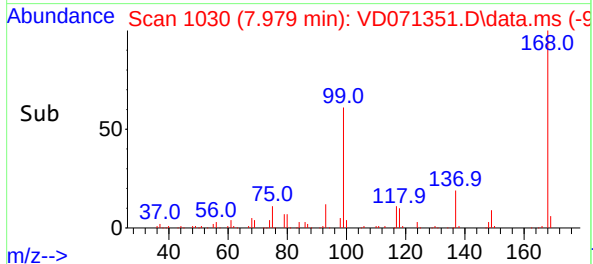
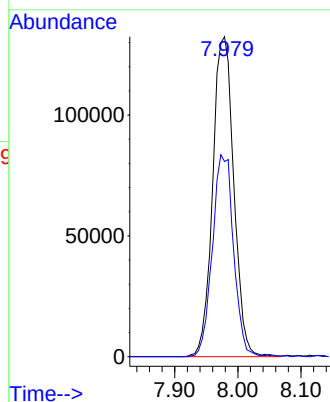


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

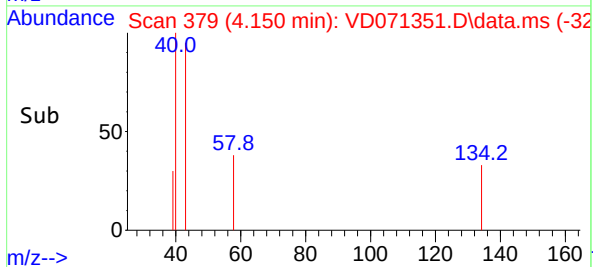
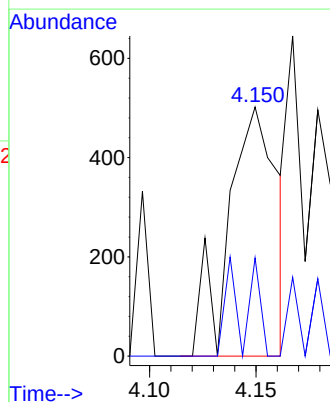
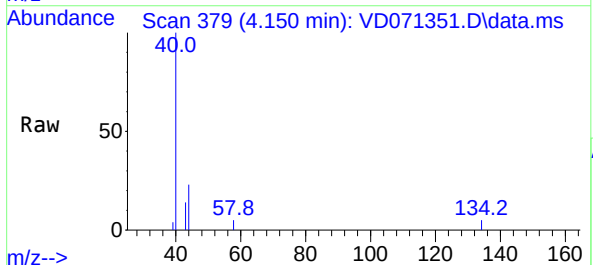


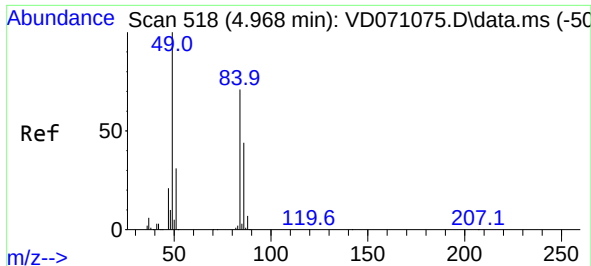
Tgt Ion:168 Resp: 307156
Ion Ratio Lower Upper
168 100
99 61.0 46.6 69.8



#16
Acetone
Concen: 31.525 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

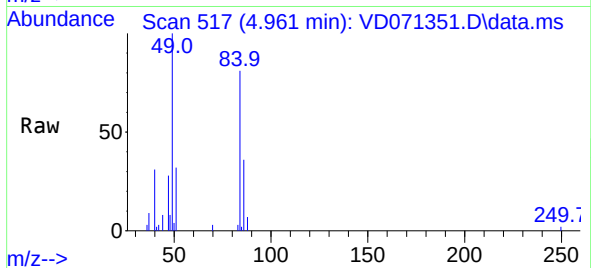
Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 39.4 27.8 41.8



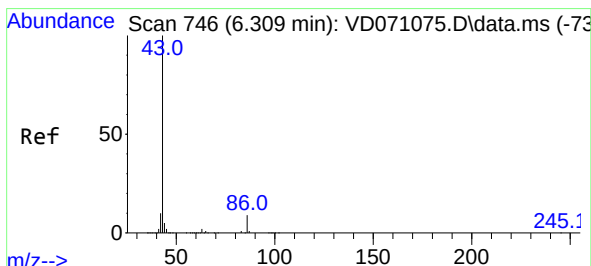
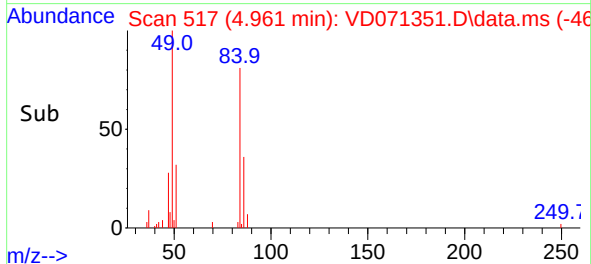
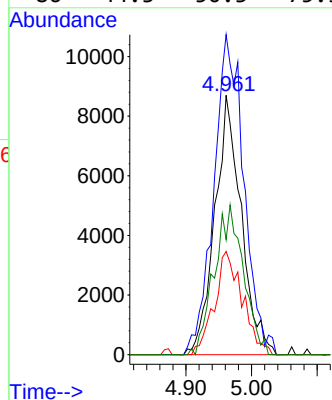


#20
Methylene Chloride
Concen: 2.762 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

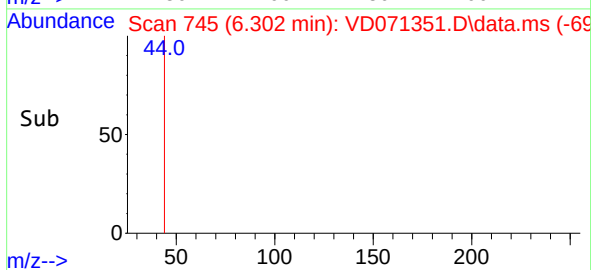
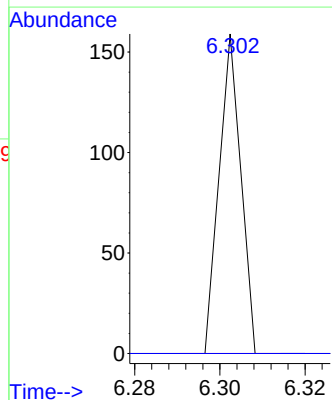
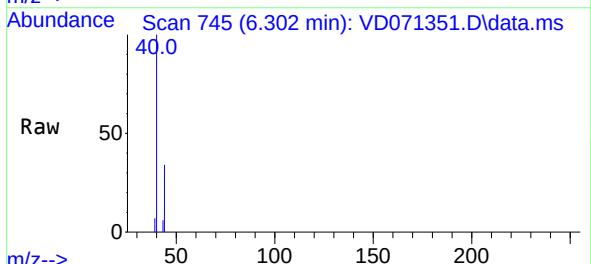


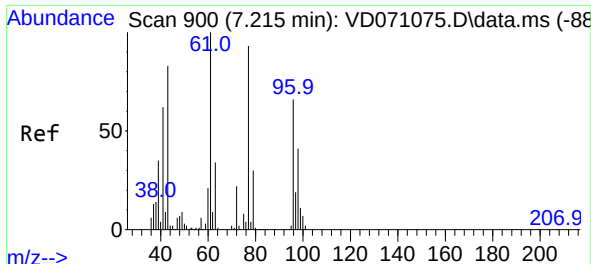
Tgt Ion: 84 Resp: 24396
Ion Ratio Lower Upper
84 100
49 123.4 95.8 143.6
51 39.8 30.9 46.3
86 44.3 50.3 75.5#



#23
Vinyl Acetate
Concen: 27.227 ug/l
RT: 6.302 min Scan# 745
Delta R.T. -0.007 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 28.425 ug/l

RT: 7.244 min Scan# 90

Delta R.T. 0.029 min

Lab File: VD071351.D

Acq: 15 Dec 2021 19:13

Instrument :

MSVOA_D

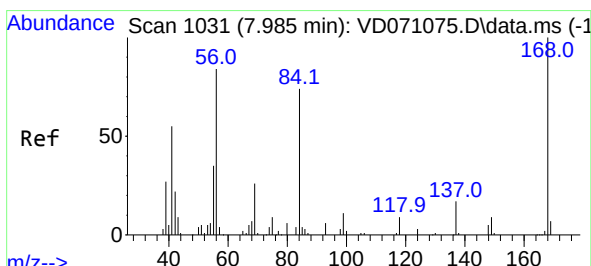
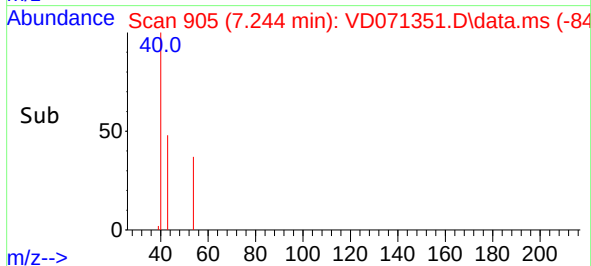
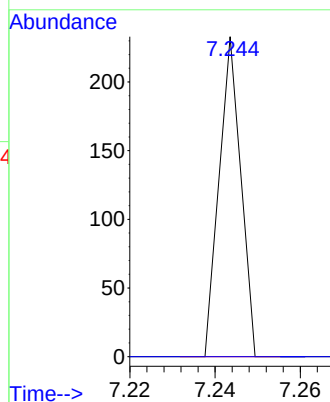
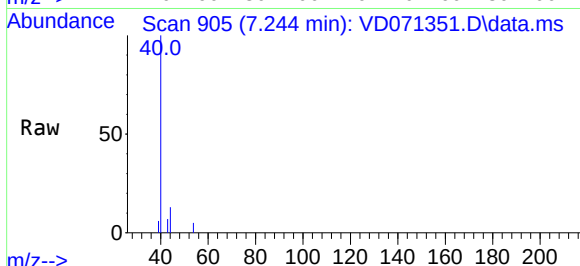
ClientSampleId :

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.450 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071351.D

Acq: 15 Dec 2021 19:13

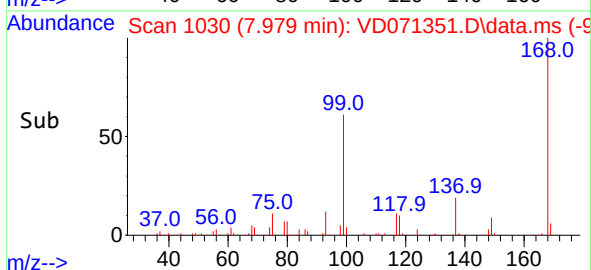
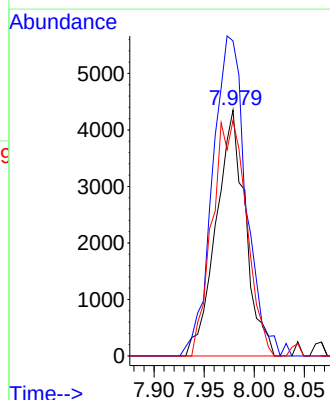
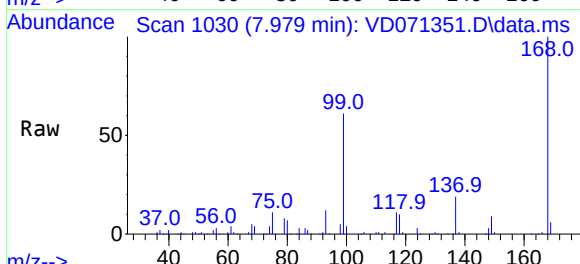
Tgt Ion: 56 Resp: 8887

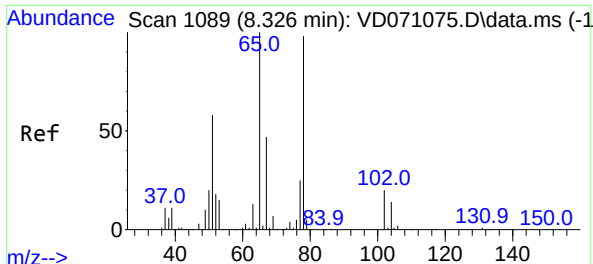
Ion Ratio Lower Upper

56 100

69 128.2 25.9 38.9#

84 95.7 64.3 96.5

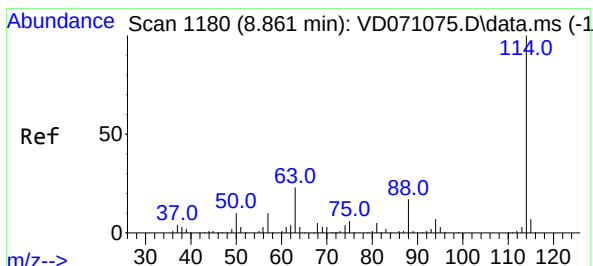
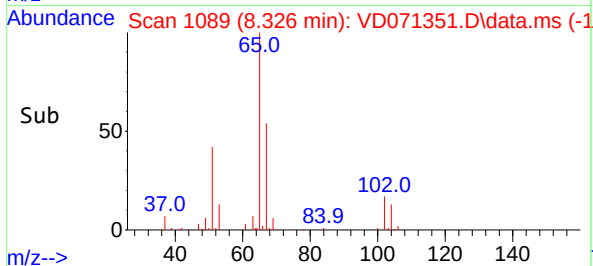
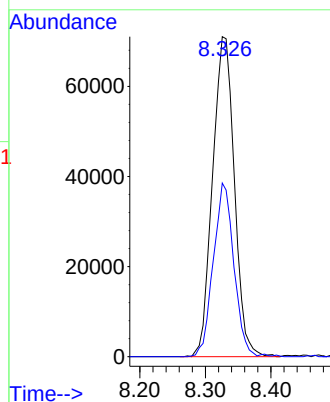
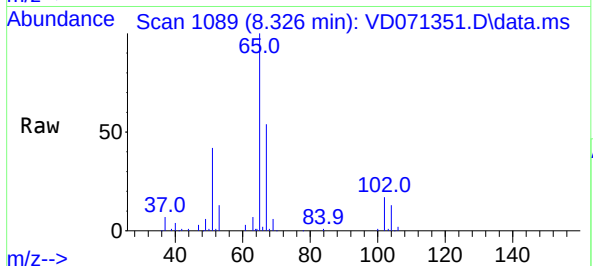




#33
1,2-Dichloroethane-d4
Concen: 45.442 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

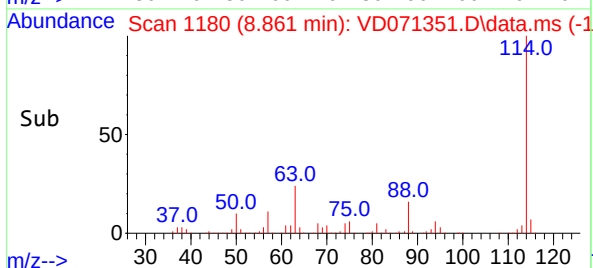
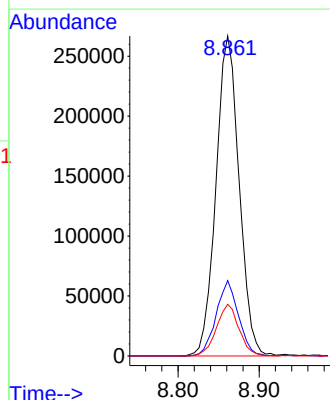
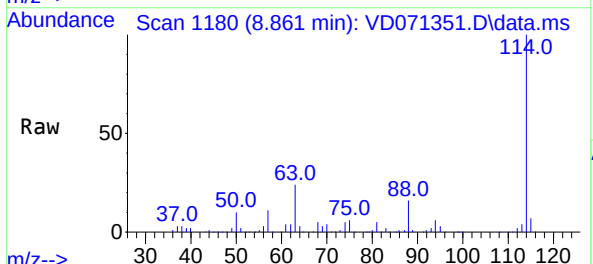
Instrument :
MSVOA_D
ClientSampleId :

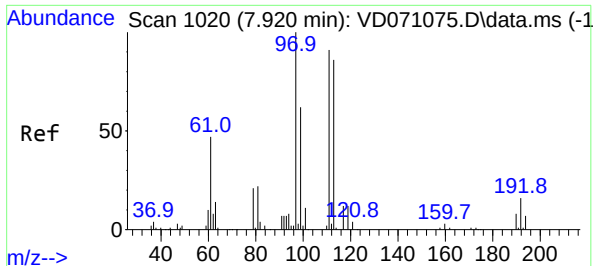
Tgt Ion: 65 Resp: 163780
Ion Ratio Lower Upper
65 100
67 51.1 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Tgt Ion: 114 Resp: 529509
Ion Ratio Lower Upper
114 100
63 23.5 0.0 41.8
88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.373 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071351.D

Acq: 15 Dec 2021 19:13

Instrument :

MSVOA_D

ClientSampleId :

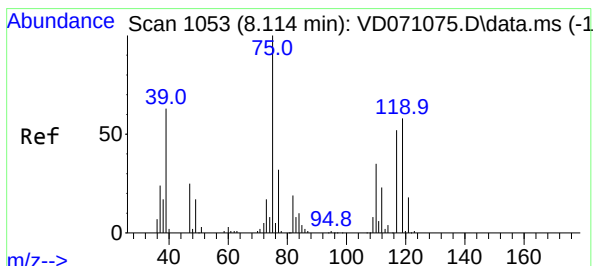
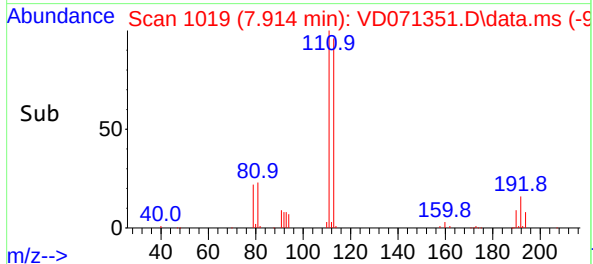
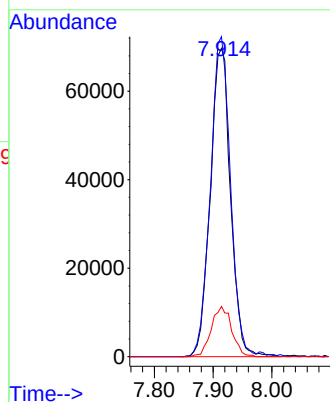
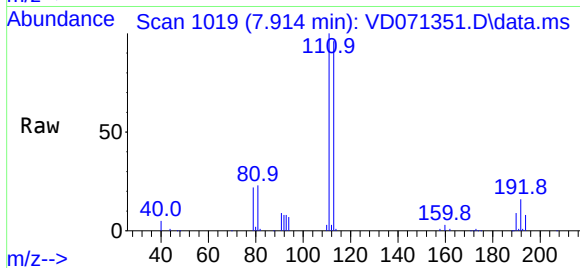
Tgt Ion:113 Resp: 166478

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 16.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.994 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071351.D

Acq: 15 Dec 2021 19:13

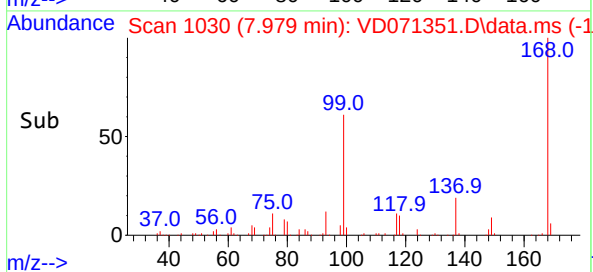
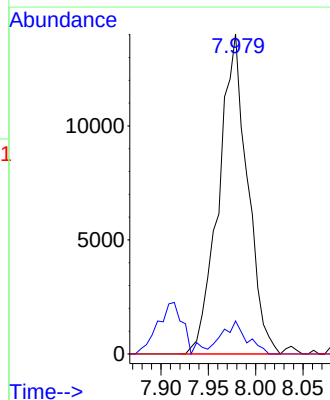
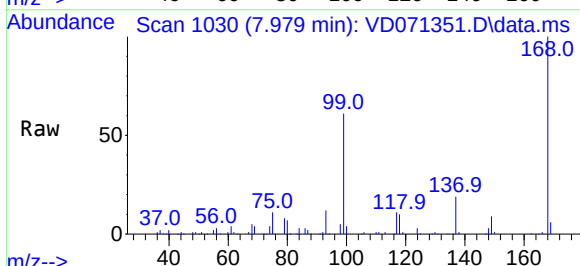
Tgt Ion: 75 Resp: 29665

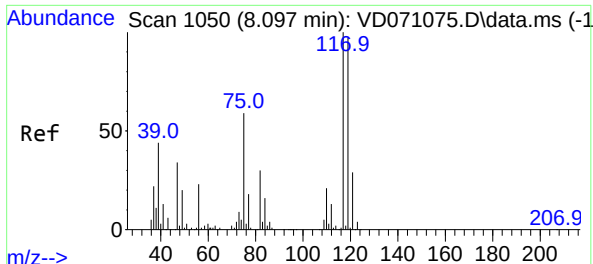
Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.4#

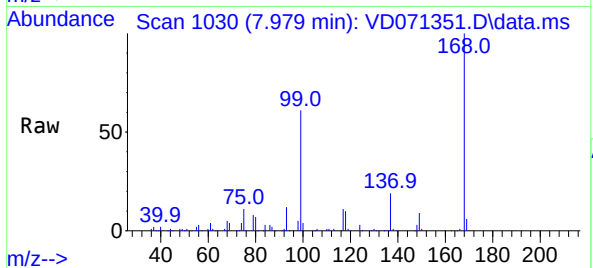
77 0.0 24.8 37.2#



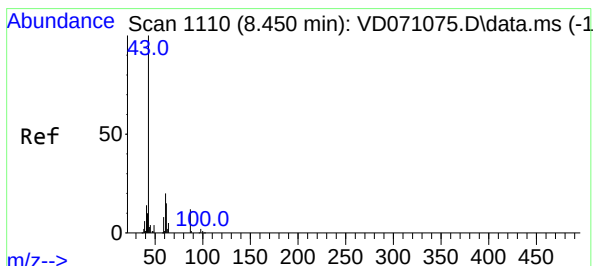
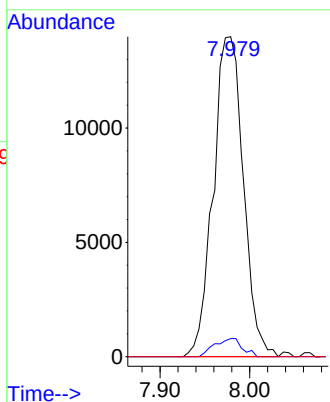
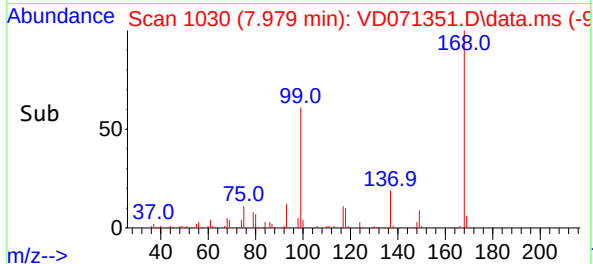


#38
Carbon Tetrachloride
Concen: 6.676 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

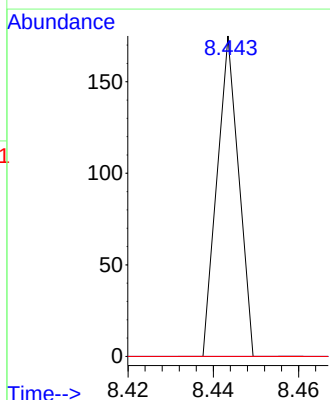
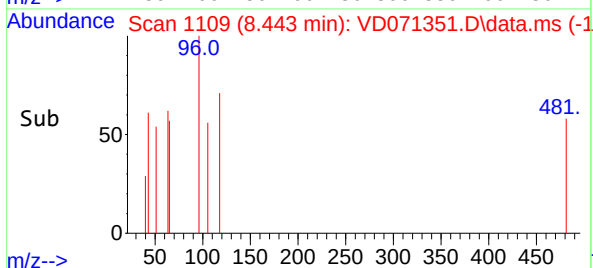
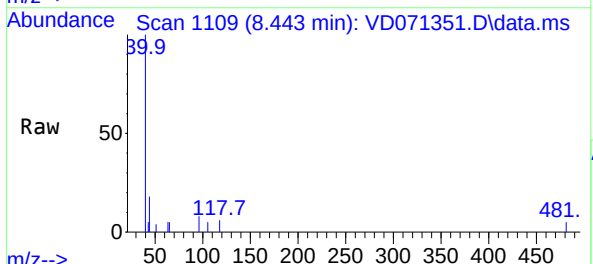


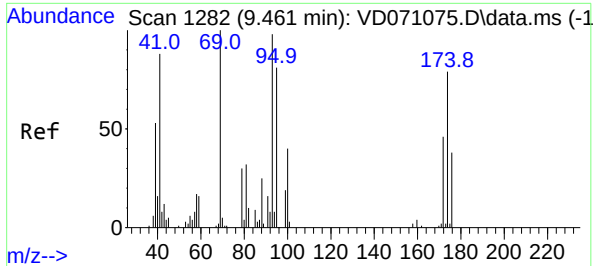
Tgt Ion:117 Resp: 32568
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.235 ug/l
RT: 8.443 min Scan# 1109
Delta R.T. -0.007 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

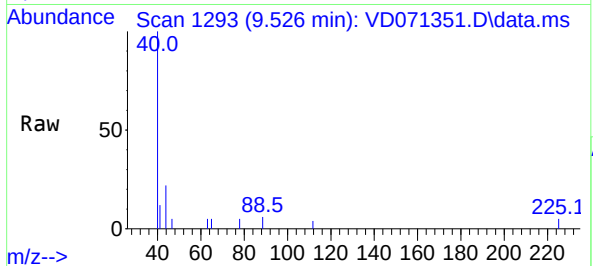
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



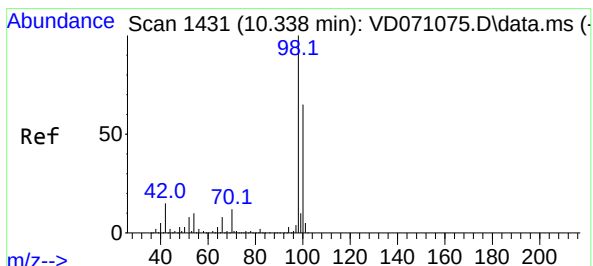
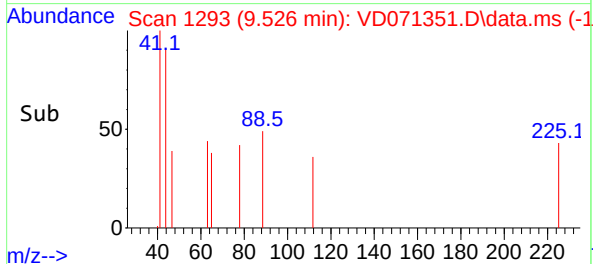
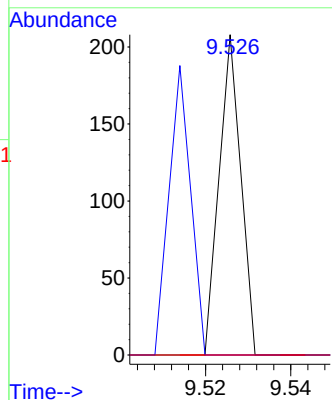


#49
1,4-Dioxane
Concen: 4.123 ug/l
RT: 9.526 min Scan# 11
Delta R.T. 0.065 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :

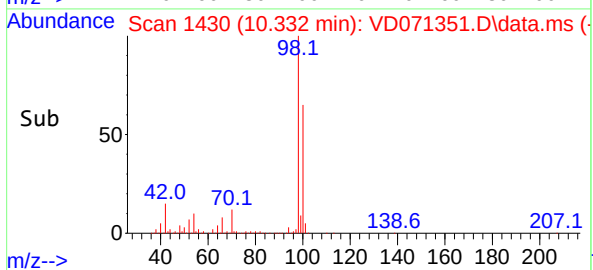
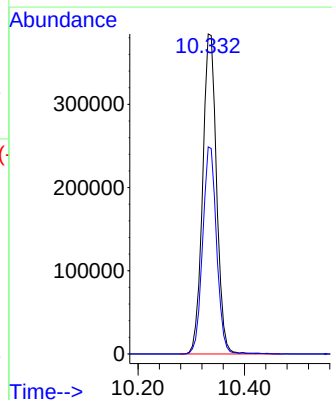
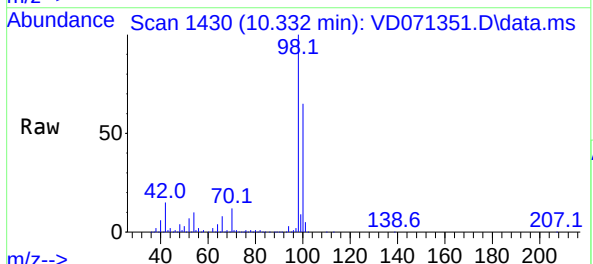


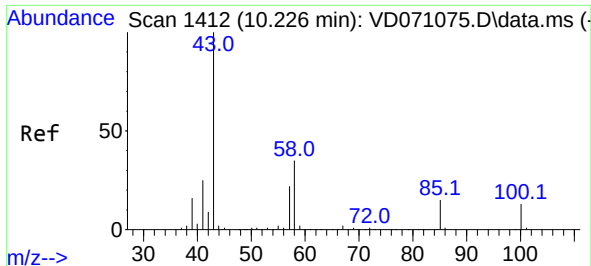
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 90.4 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 54.397 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Tgt Ion: 98 Resp: 698008
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

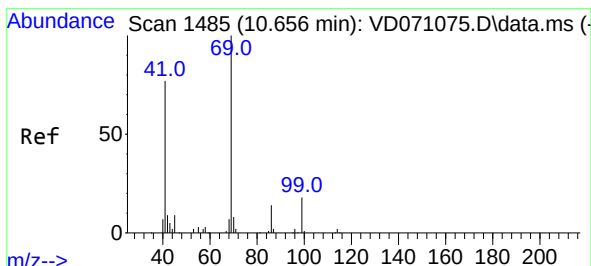
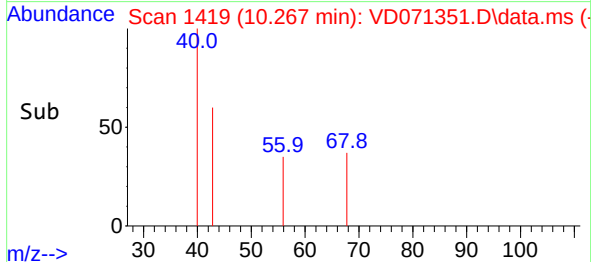
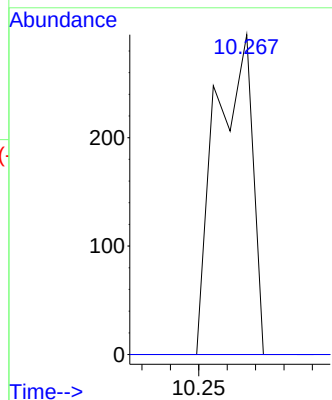
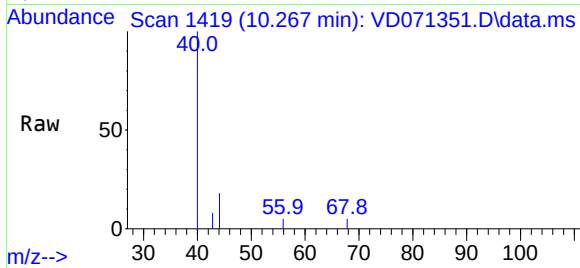




#51
4-Methyl-2-Pentanone
Concen: 30.748 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

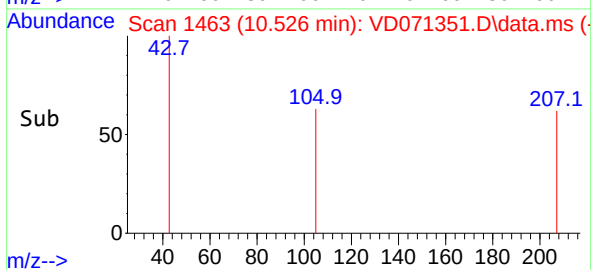
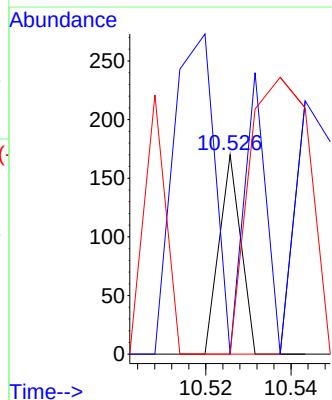
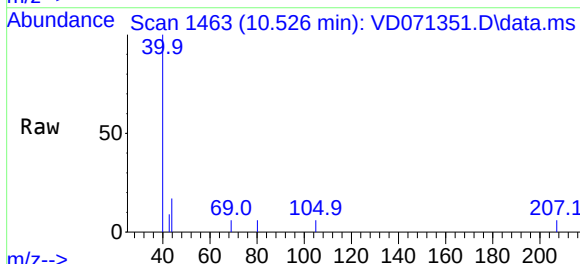
Instrument :
MSVOA_D
ClientSampleId :

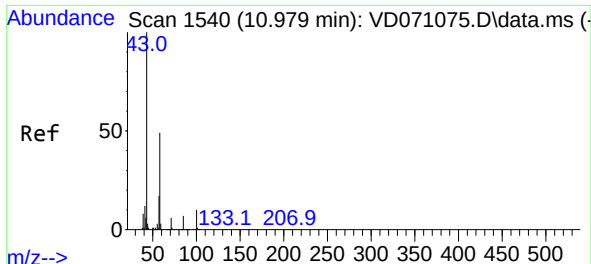
Tgt Ion: 43 Resp: 264
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 5.986 ug/l
RT: 10.526 min Scan# 1463
Delta R.T. -0.130 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 303.3 50.2 75.2#
39 130.0 19.8 29.8#

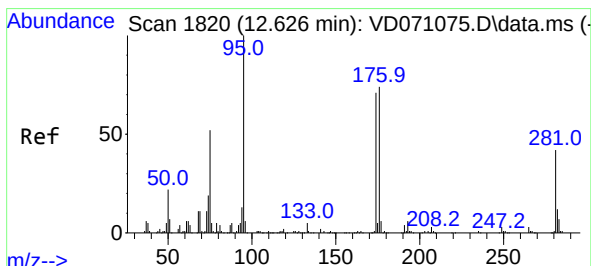
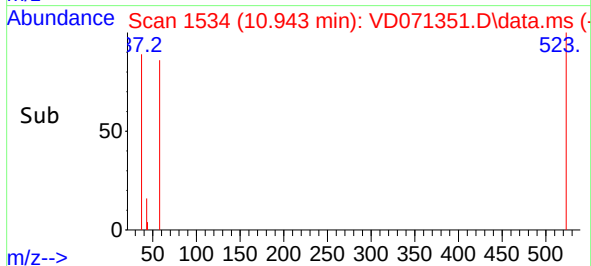
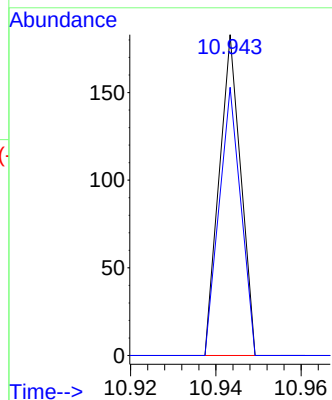
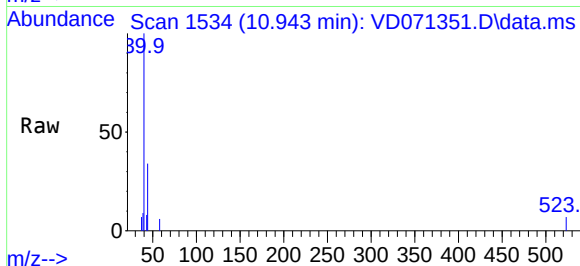




#59
2-Hexanone
Concen: 34.605 ug/l
RT: 10.943 min Scan# 11
Delta R.T. -0.036 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

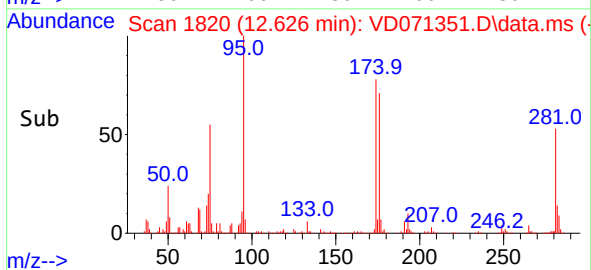
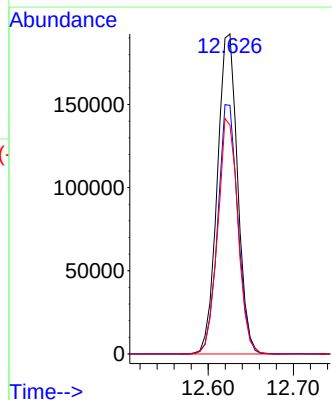
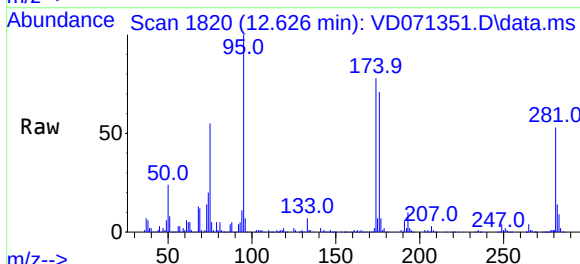
Instrument :
MSVOA_D
ClientSampleId :

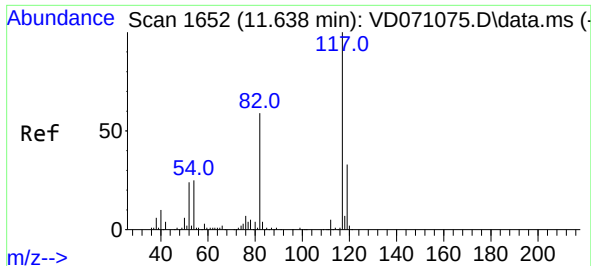
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 83.1 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 71.733 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Tgt Ion: 95 Resp: 319064
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.4
176 72.9 0.0 154.0

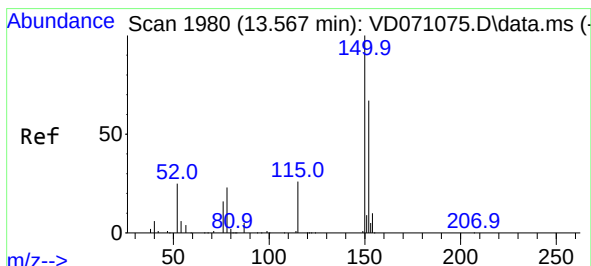
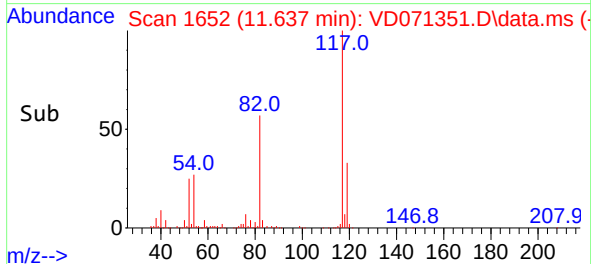
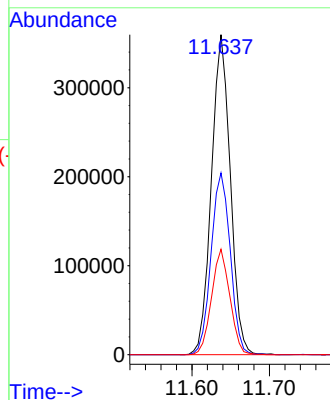
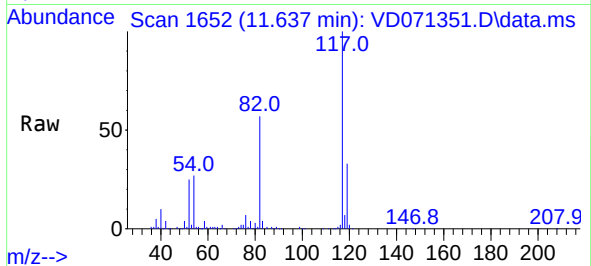




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

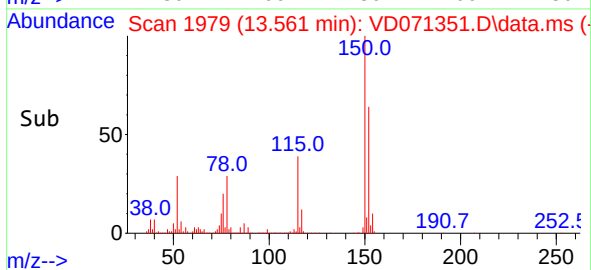
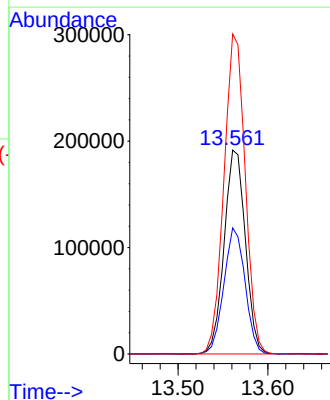
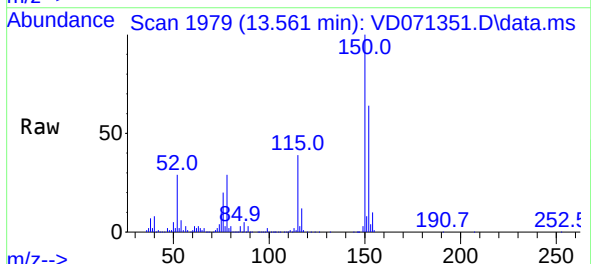
Instrument :
MSVOA_D
ClientSampleId :

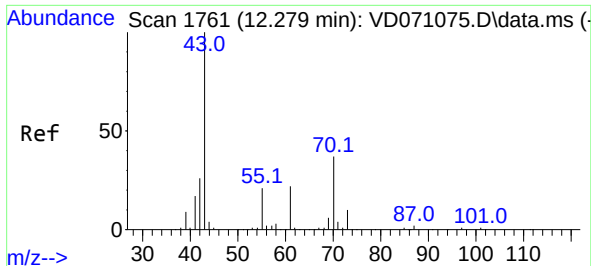
Tgt Ion:117 Resp: 609182
Ion Ratio Lower Upper
117 100
82 56.8 44.7 67.1
119 33.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

Tgt Ion:152 Resp: 315527
Ion Ratio Lower Upper
152 100
115 61.8 29.8 89.3
150 156.9 0.0 349.2

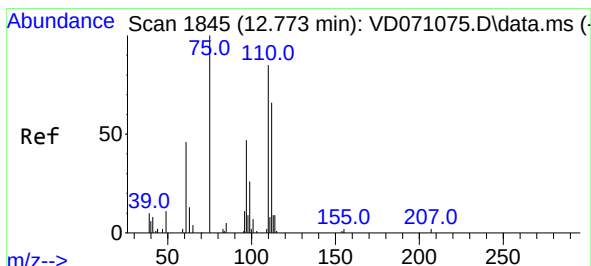
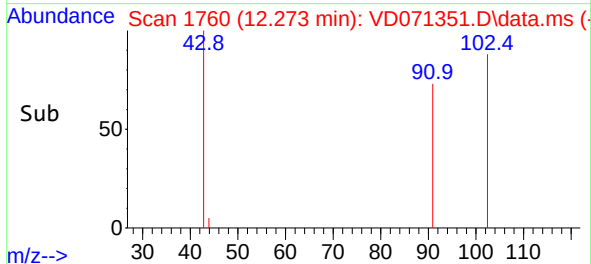
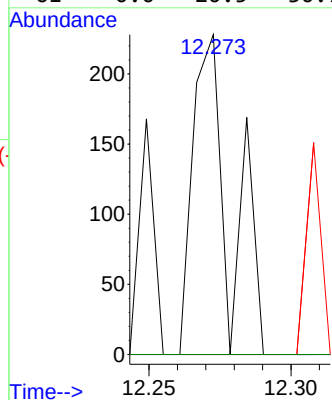
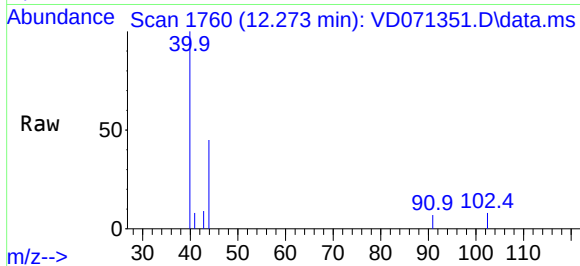




#74
N-amy1 acetate
Concen: 5.731 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

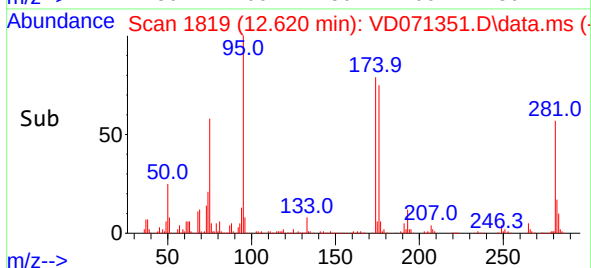
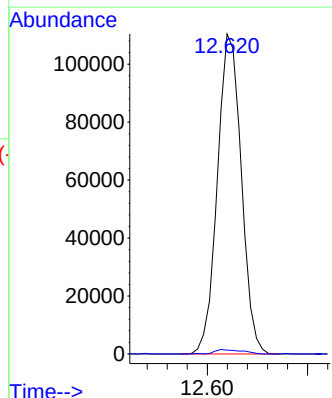
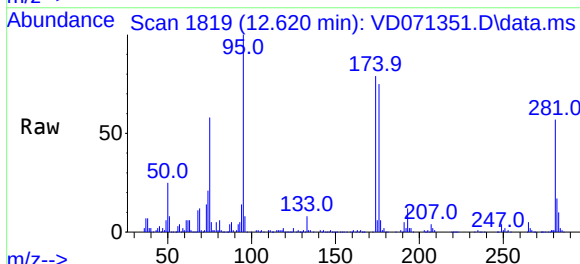
Instrument :
MSVOA_D
ClientSampleId :

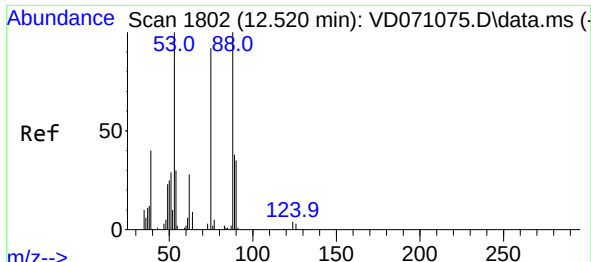
Tgt Ion: 43	Resp: 209
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 0.0	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 60.761 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071351.D
Acq: 15 Dec 2021 19:13

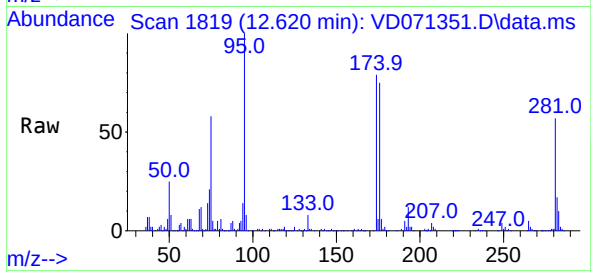
Tgt Ion: 75	Resp: 182660
Ion Ratio	Lower Upper
75 100	
77 1.6	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 131.479 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD071351.D
 Acq: 15 Dec 2021 19:13

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 182660
 Ion Ratio Lower Upper
 75 100
 53 0.1 62.6 94.0#
 89 1.0 34.5 51.7#

