

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121121\
 Data File : VD071268.D
 Acq On : 11 Dec 2021 14:26
 Operator : VA/SY
 Sample : M4973-01RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 17:52:04 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)

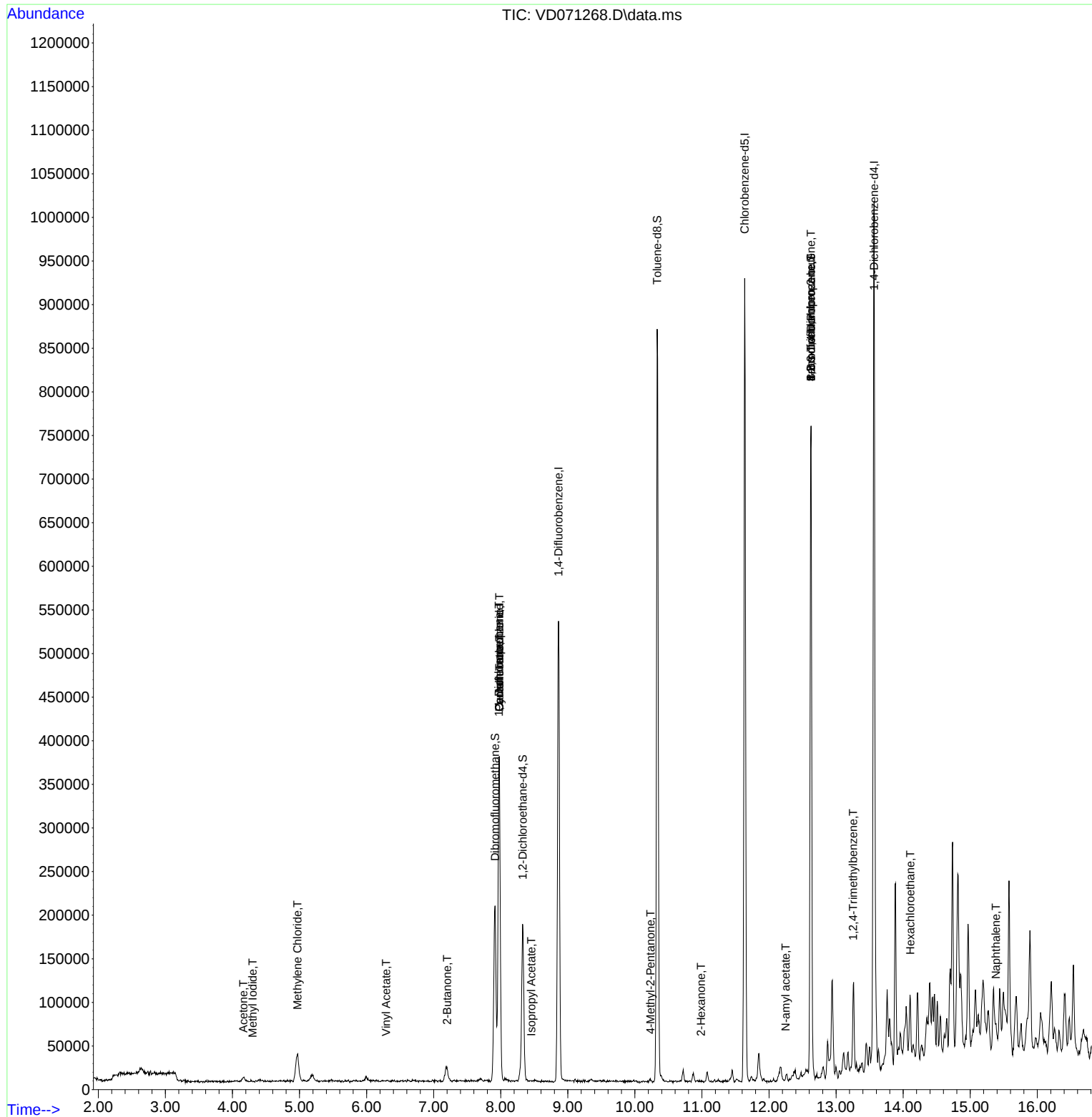
Internal Standards						
1) Pentafluorobenzene	7.979	168	256126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	435836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	478411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	239656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	139770	46.507	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.020%		
35) Dibromofluoromethane	7.914	113	137631	49.590	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.180%		
50) Toluene-d8	10.332	98	557725	52.807	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.620%		
62) 4-Bromofluorobenzene	12.626	95	233758	63.850	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	127.700%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.303	142	146	4.605	ug/l #	83
11) Tert butyl alcohol	5.179	59	7051	Below Cal	#	75
16) Acetone	4.162	43	9187	40.890	ug/l #	79
20) Methylene Chloride	4.968	84	22394	3.500	ug/l	89
23) Vinyl Acetate	6.291	43	171	27.249	ug/l #	72
25) 2-Butanone	7.203	43	1546	29.846	ug/l	93
31) Cyclohexane	7.979	56	8008	1.566	ug/l #	29
36) 1,1-Dichloropropene	7.973	75	24256	5.955	ug/l #	49
38) Carbon Tetrachloride	7.979	117	27054	6.738	ug/l #	18
41) Methacrylonitrile	7.520	41	72	Below Cal	#	31
43) Isopropyl Acetate	8.456	43	144	5.256	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	2042	31.555	ug/l #	75
59) 2-Hexanone	10.985	43	485	34.853	ug/l #	44
71) Bromoform	12.626	173	2678	1.595	ug/l #	1
74) N-amyl acetate	12.250	43	2640	6.193	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	128586	56.315	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	128586	122.281	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.255	105	56161	4.020	ug/l	100
90) Hexachloroethane	14.108	117	4670	1.605	ug/l #	14
95) Naphthalene	15.385	128	14086	2.013	ug/l #	71

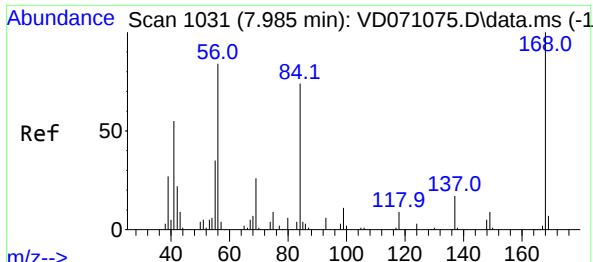
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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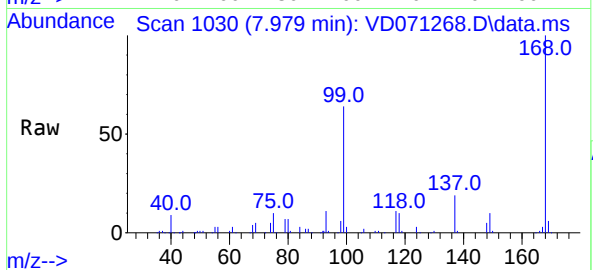
Quant Time: Dec 12 17:52:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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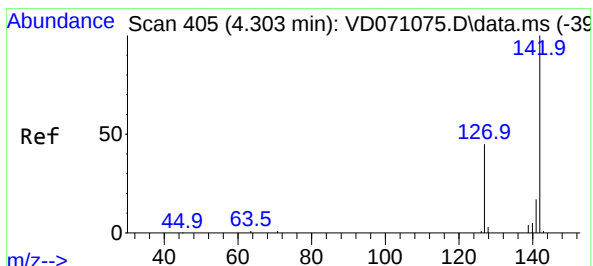
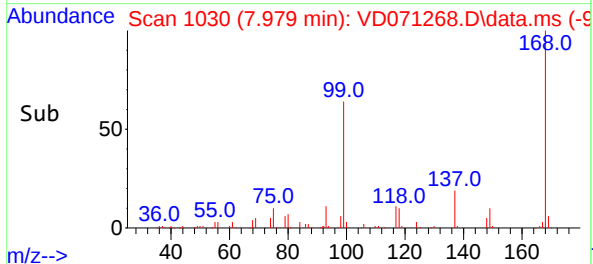
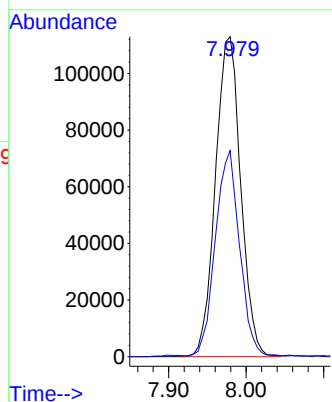


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Instrument :
MSVOA_D
ClientSampleId :

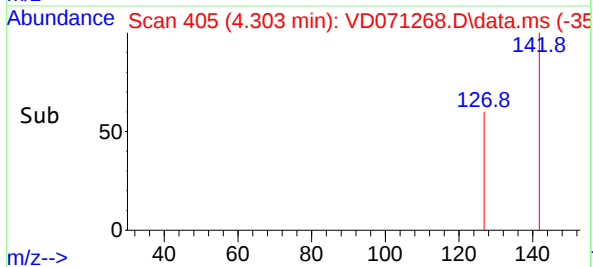
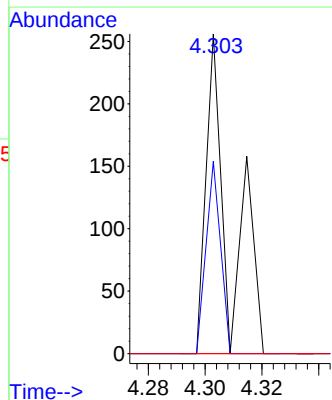
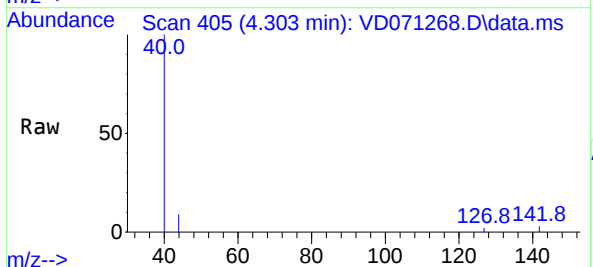


Tgt Ion:168 Resp: 256126
Ion Ratio Lower Upper
168 100
99 64.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.605 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion:142 Resp: 146
Ion Ratio Lower Upper
142 100
127 37.0 35.0 52.4
141 0.0 12.0 18.0#

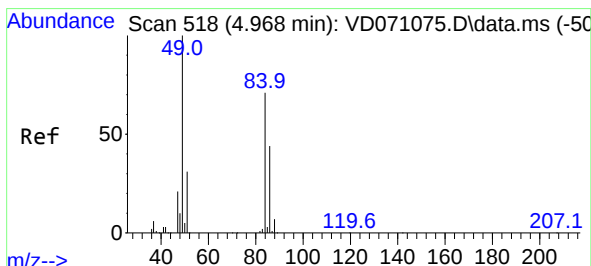
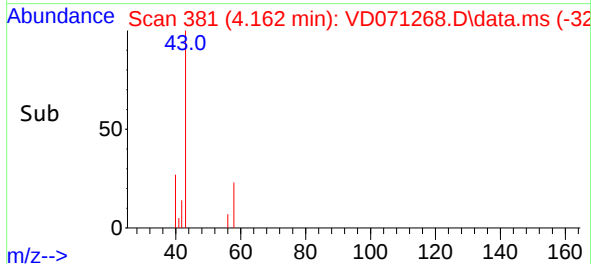
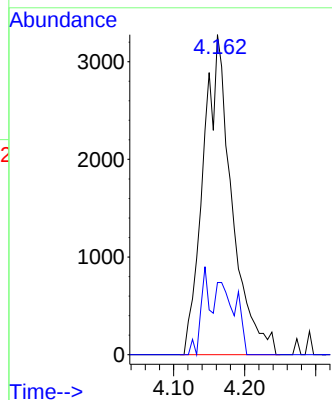
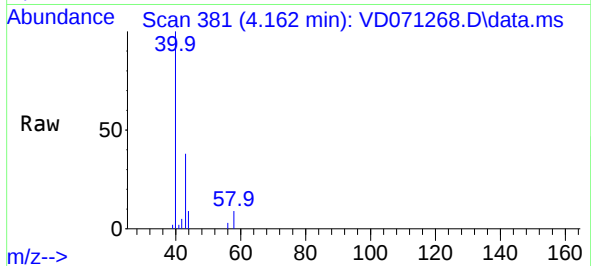




#16
Acetone
Concen: 40.890 ug/l
RT: 4.162 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

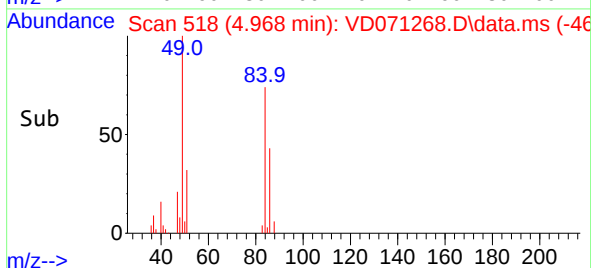
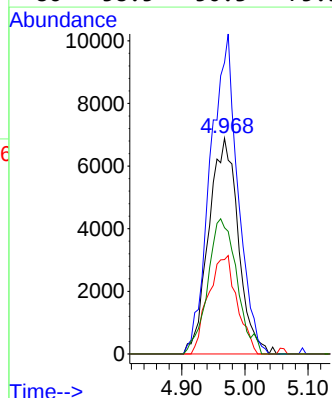
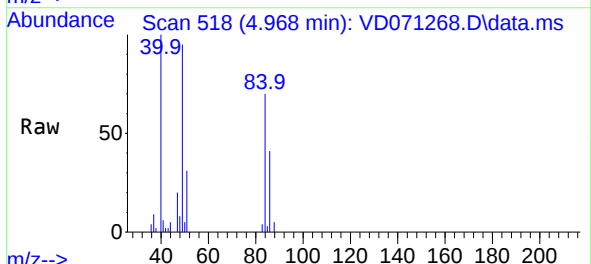
Instrument :
MSVOA_D
ClientSampleId :

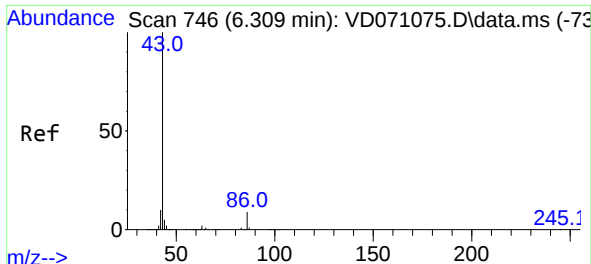
Tgt Ion: 43 Resp: 9187
Ion Ratio Lower Upper
43 100
58 22.6 27.8 41.8#



#20
Methylene Chloride
Concen: 3.500 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion: 84 Resp: 22394
Ion Ratio Lower Upper
84 100
49 135.1 95.8 143.6
51 43.8 30.9 46.3
86 58.5 50.3 75.5

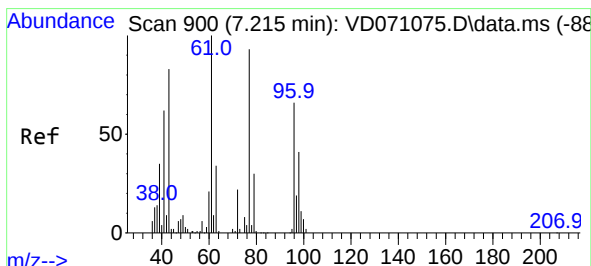
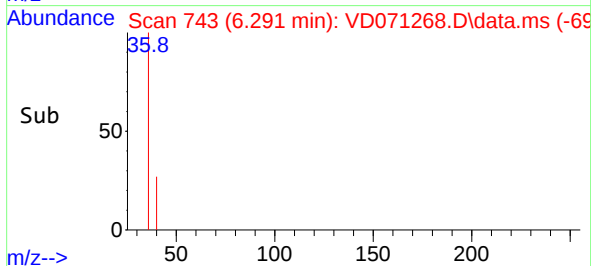
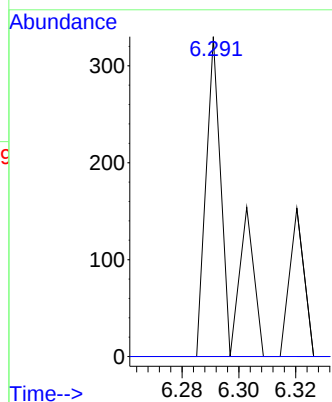
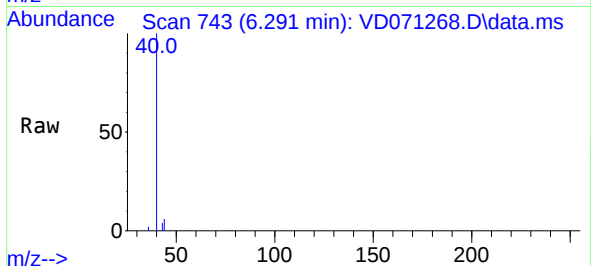




#23
 Vinyl Acetate
 Concen: 27.249 ug/l
 RT: 6.291 min Scan# 74
 Delta R.T. -0.018 min
 Lab File: VD071268.D
 Acq: 11 Dec 2021 14:26

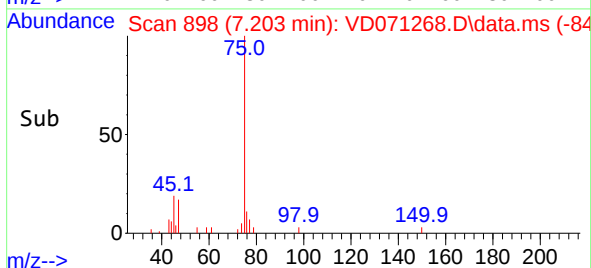
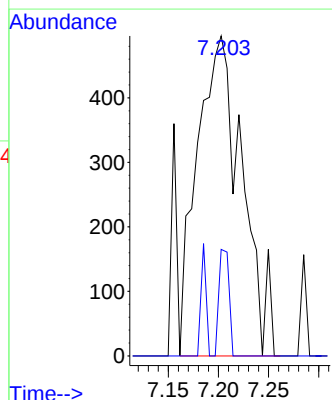
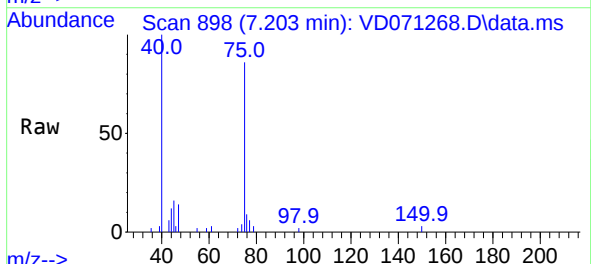
Instrument :
 MSVOA_D
 ClientSampleId :

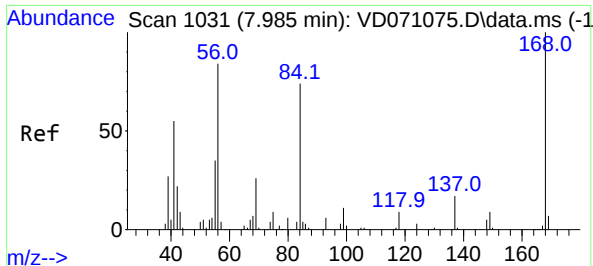
Tgt Ion: 43 Resp: 171
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.846 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071268.D
 Acq: 11 Dec 2021 14:26

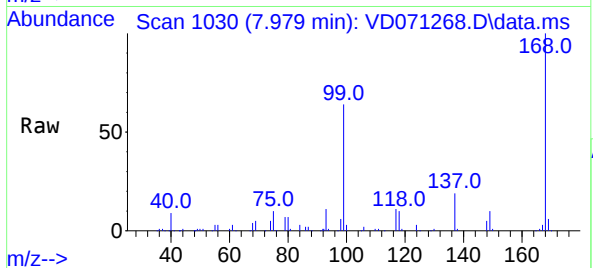
Tgt Ion: 43 Resp: 1546
 Ion Ratio Lower Upper
 43 100
 72 33.3 23.8 35.6



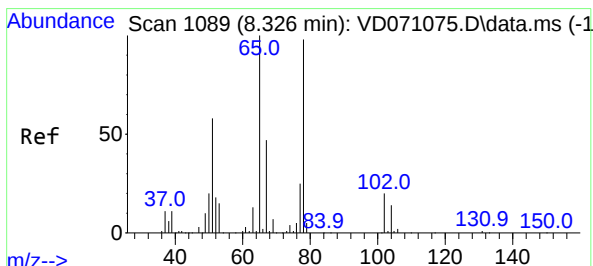
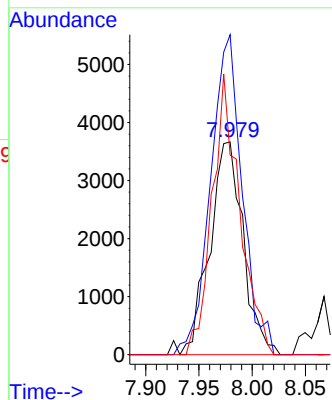
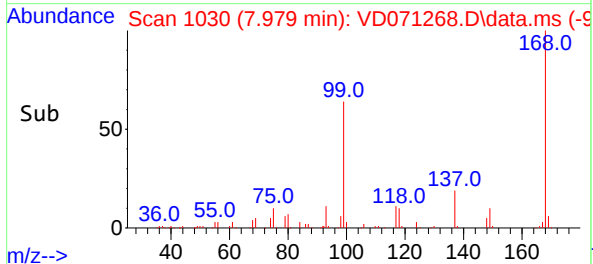


#31
Cyclohexane
Concen: 1.566 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Instrument :
MSVOA_D
ClientSampleId :

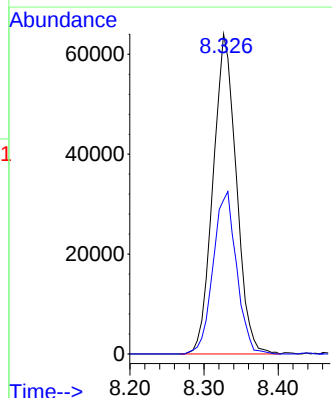
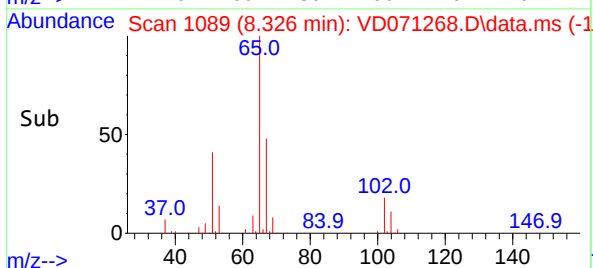
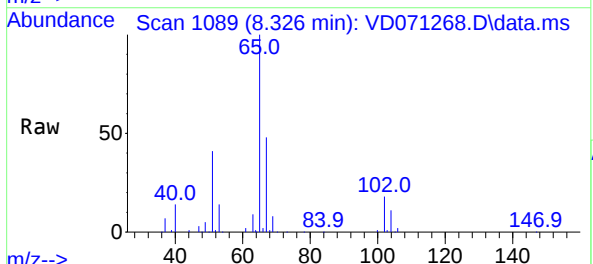


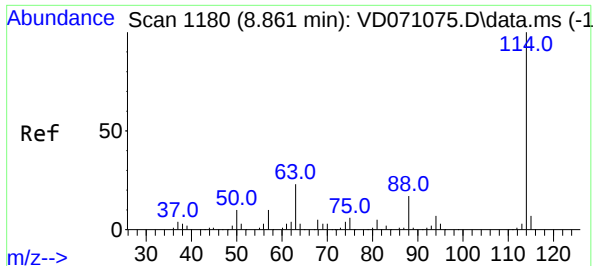
Tgt Ion: 56 Resp: 8008
Ion Ratio Lower Upper
56 100
69 150.4 25.9 38.9#
84 93.8 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 46.507 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion: 65 Resp: 139770
Ion Ratio Lower Upper
65 100
67 51.2 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: VD071268.D

Acq: 11 Dec 2021 14:26

Instrument :

MSVOA_D

ClientSampleId :

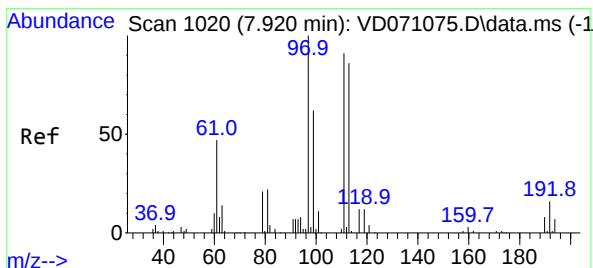
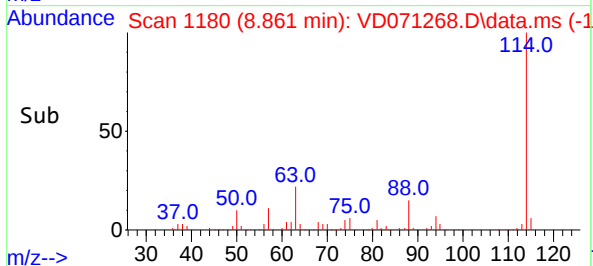
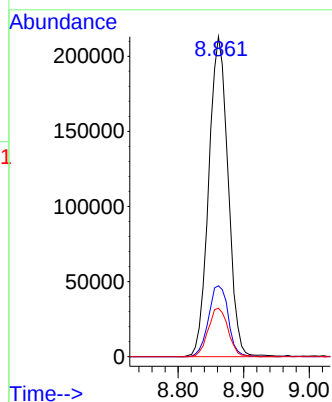
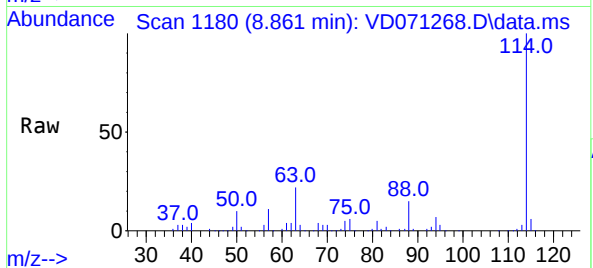
Tgt Ion:114 Resp: 435836

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 15.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.590 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071268.D

Acq: 11 Dec 2021 14:26

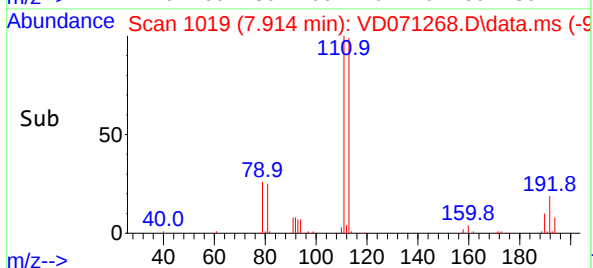
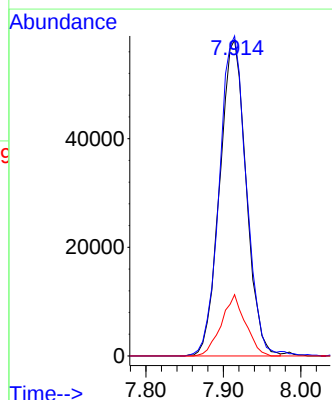
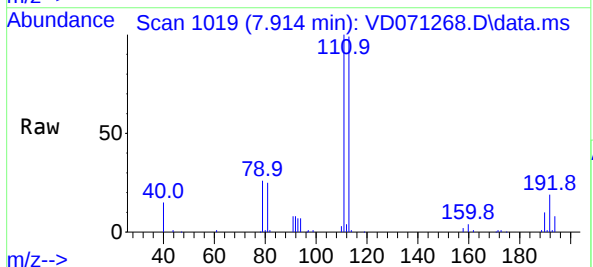
Tgt Ion:113 Resp: 137631

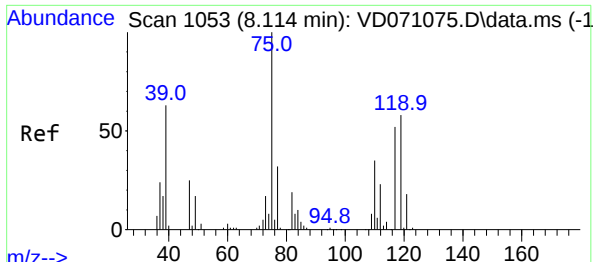
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 17.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.955 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

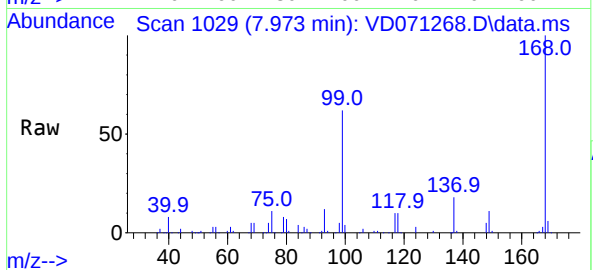
Lab File: VD071268.D

Acq: 11 Dec 2021 14:26

Instrument :

MSVOA_D

ClientSampleId :



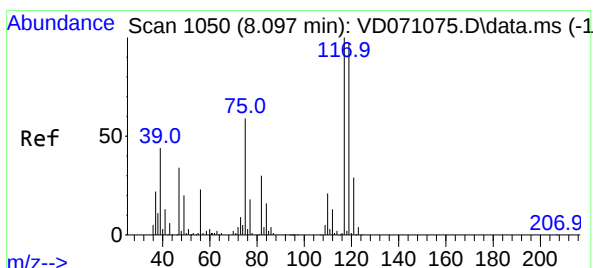
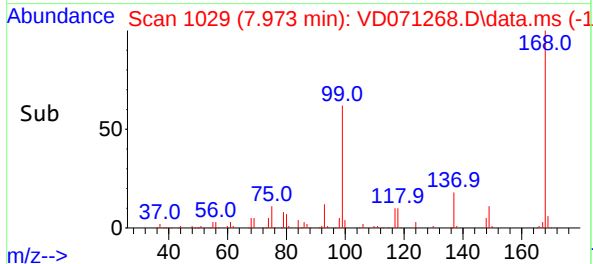
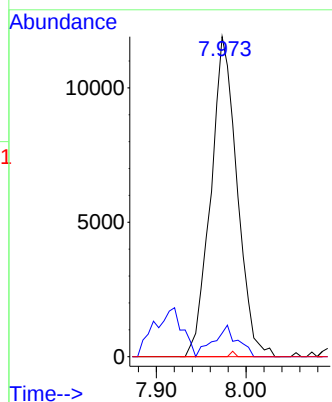
Tgt Ion: 75 Resp: 24256

Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.4#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.738 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071268.D

Acq: 11 Dec 2021 14:26

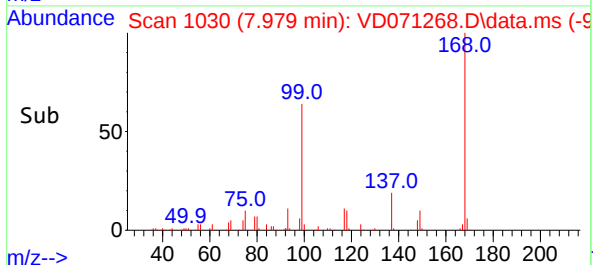
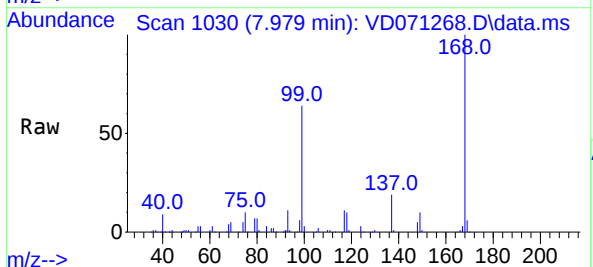
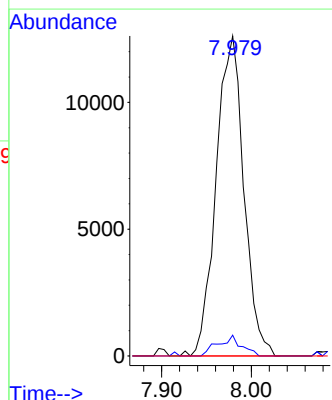
Tgt Ion: 117 Resp: 27054

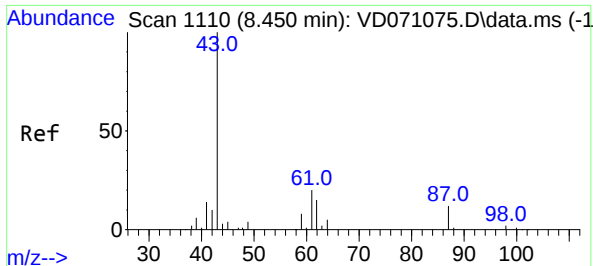
Ion Ratio Lower Upper

117 100

119 6.5 75.8 113.6#

121 0.0 23.6 35.4#

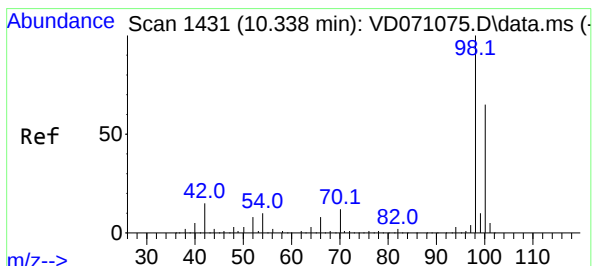
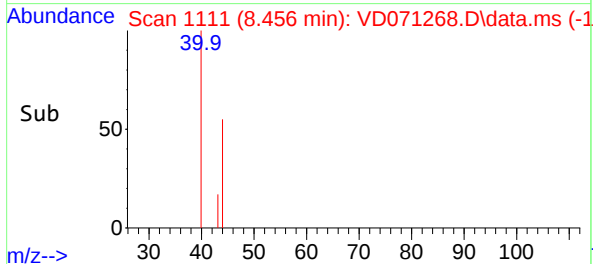
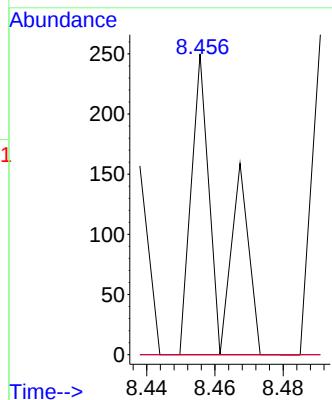
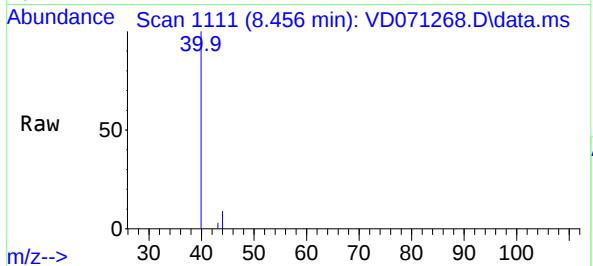




#43
Isopropyl Acetate
Concen: 5.256 ug/l
RT: 8.456 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

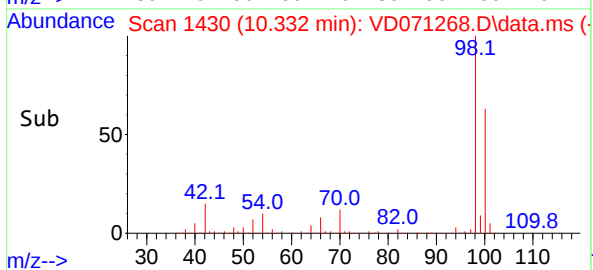
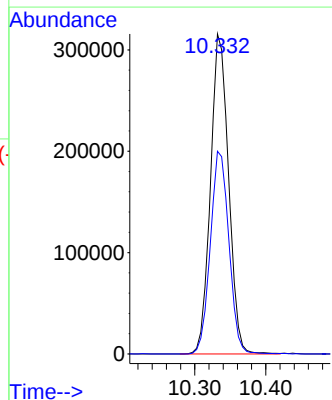
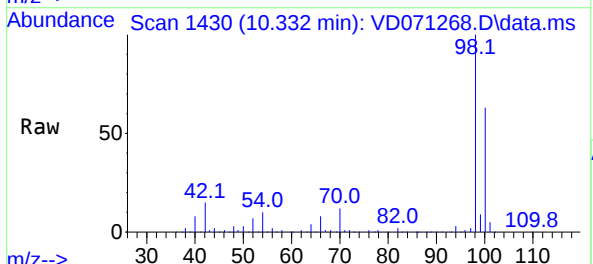
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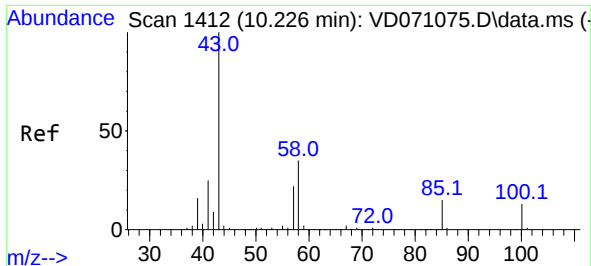
Tgt Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 52.807 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion: 98 Resp: 557725
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

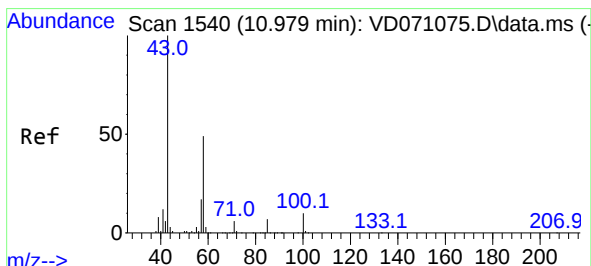
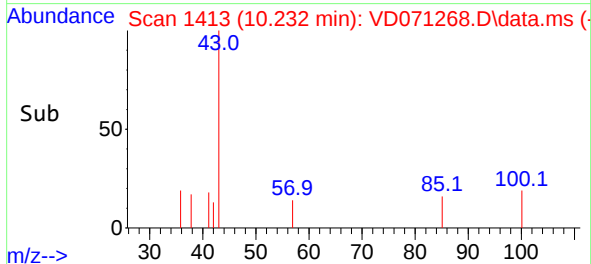
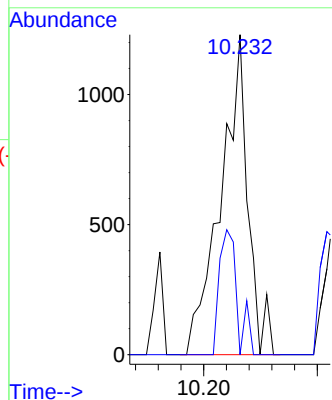
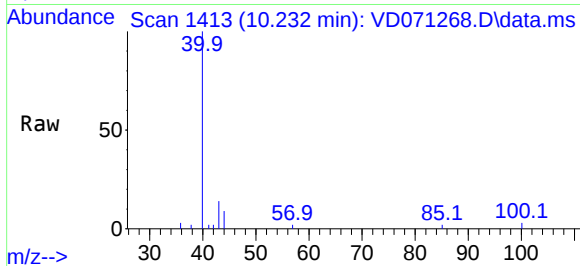




#51
4-Methyl-2-Pentanone
Concen: 31.555 ug/l
RT: 10.232 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

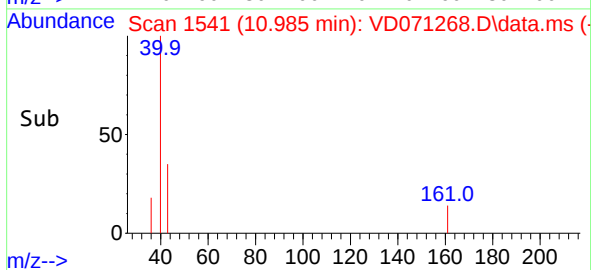
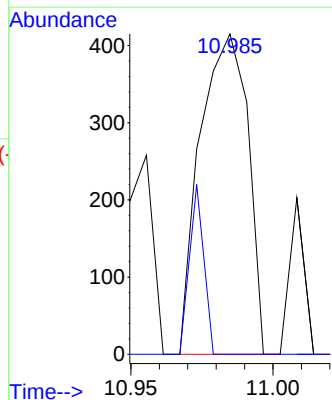
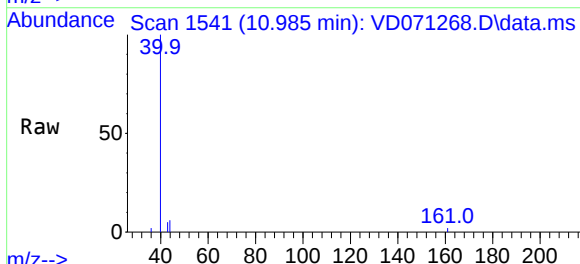
Instrument :
MSVOA_D
ClientSampleId :

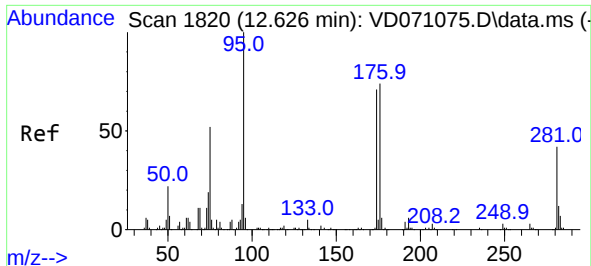
Tgt Ion: 43 Resp: 2042
Ion Ratio Lower Upper
43 100
58 25.8 33.1 49.7#



#59
2-Hexanone
Concen: 34.853 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
58 16.1 28.7 86.1#

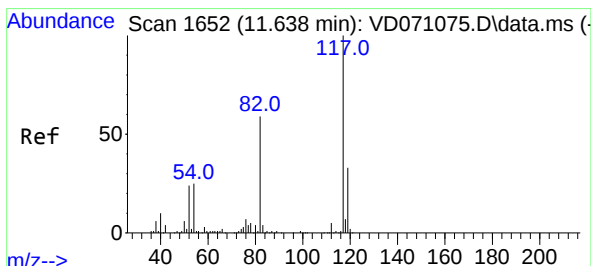
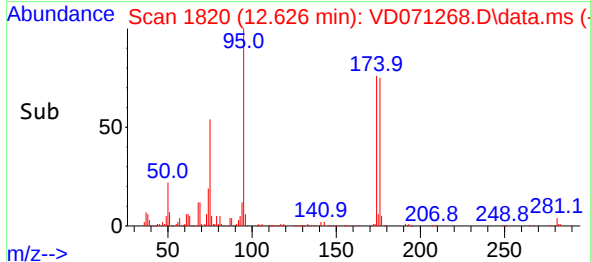
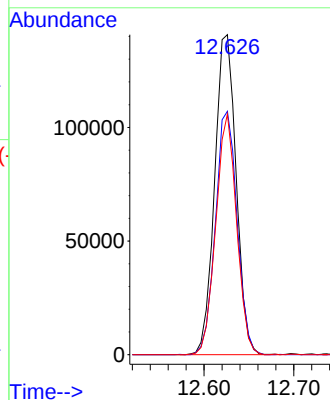
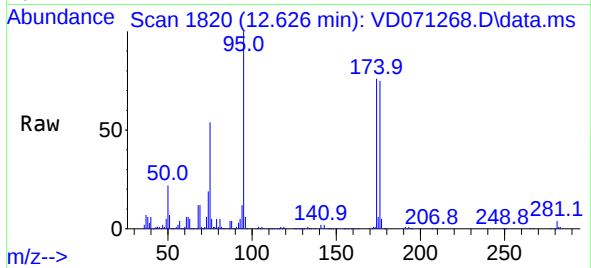




#62
4-Bromofluorobenzene
Concen: 63.850 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

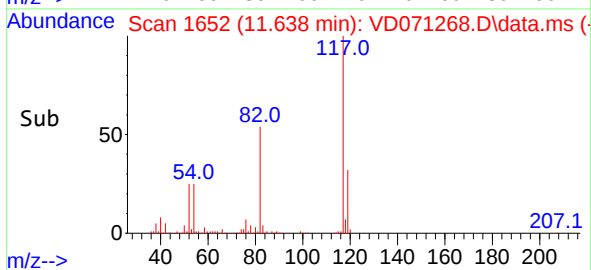
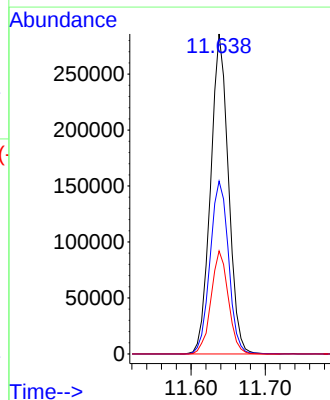
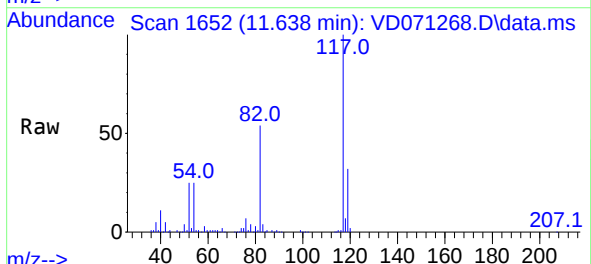
Instrument :
MSVOA_D
ClientSampleId :

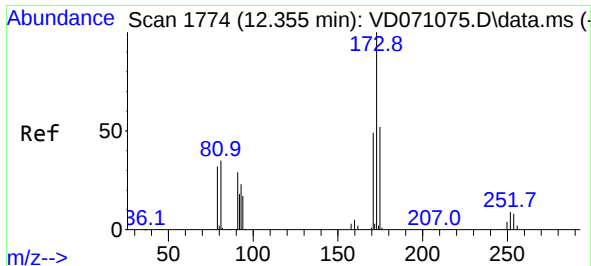
Tgt Ion: 95 Resp: 233758
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.4
176 72.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion: 117 Resp: 478411
Ion Ratio Lower Upper
117 100
82 54.0 44.7 67.1
119 32.2 26.2 39.4

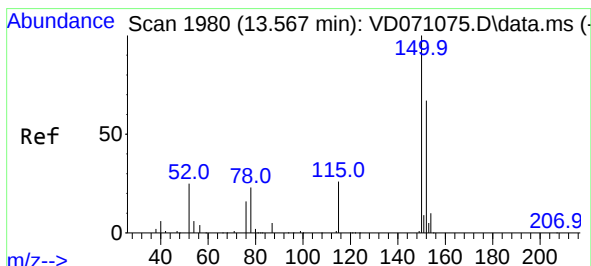
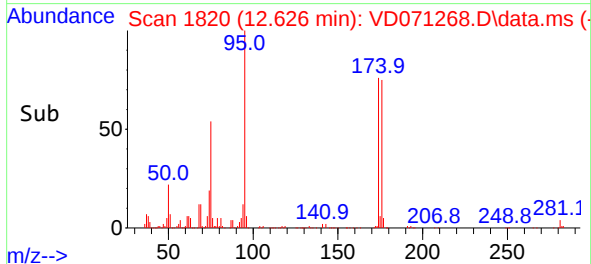
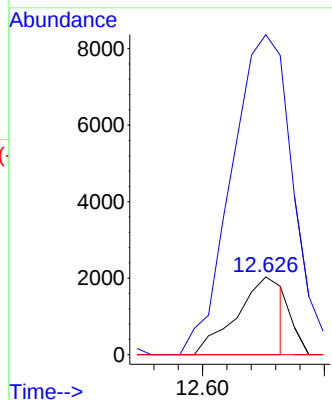
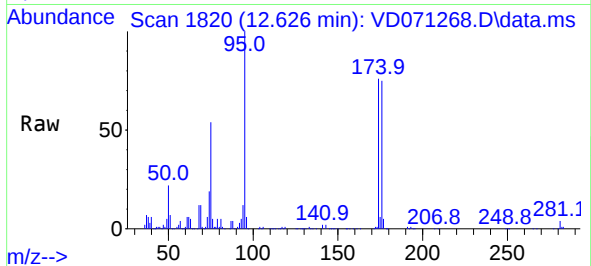




#71
Bromoform
Concen: 1.595 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

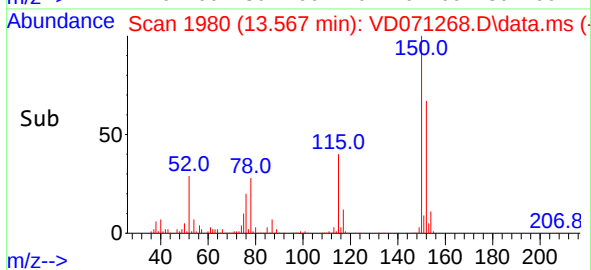
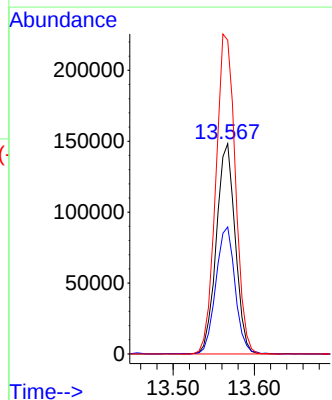
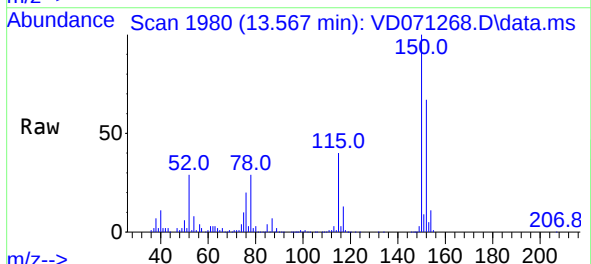
Instrument :
MSVOA_D
ClientSampleId :

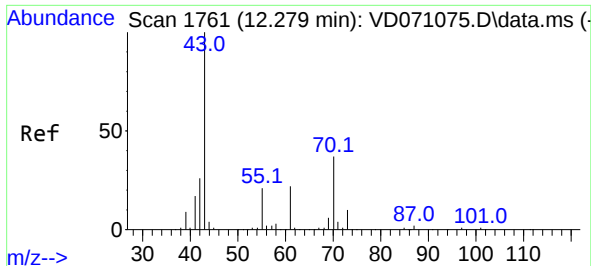
Tgt Ion:173 Resp: 2678
Ion Ratio Lower Upper
173 100
175 460.1 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

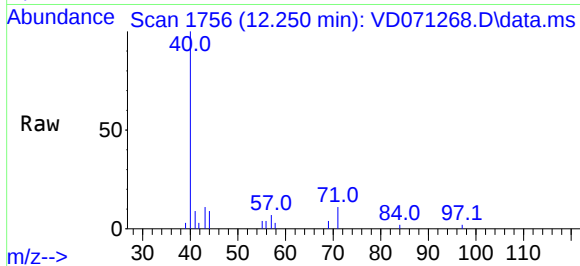
Tgt Ion:152 Resp: 239656
Ion Ratio Lower Upper
152 100
115 61.8 29.8 89.3
150 157.3 0.0 349.2



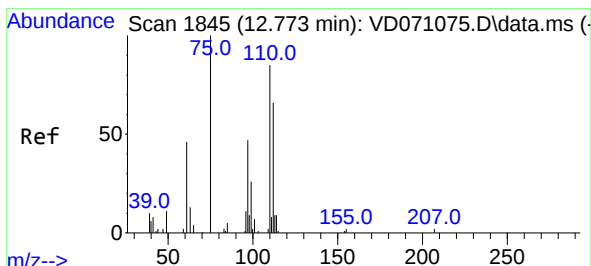
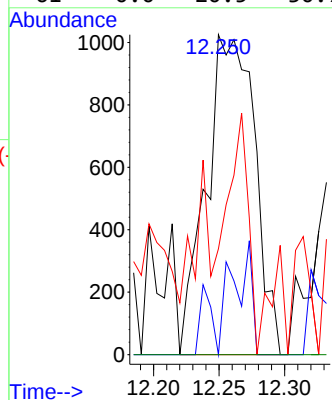
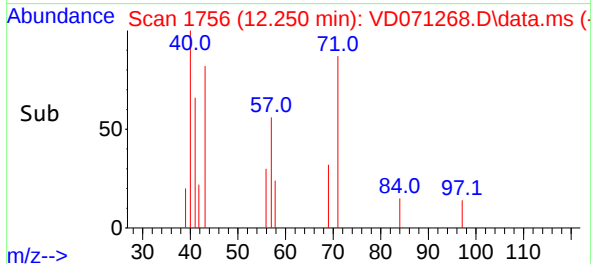


#74
N-amy1 acetate
Concen: 6.193 ug/l
RT: 12.250 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Instrument :
MSVOA_D
ClientSampleId :

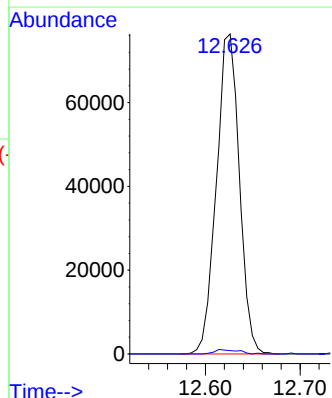
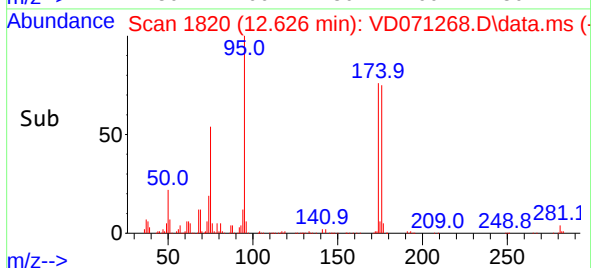
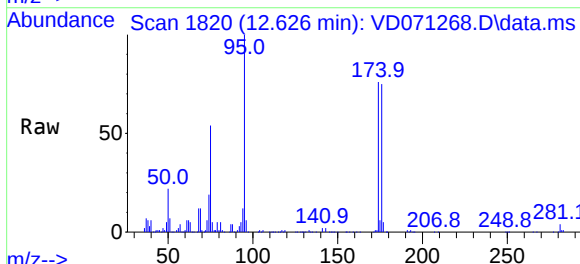


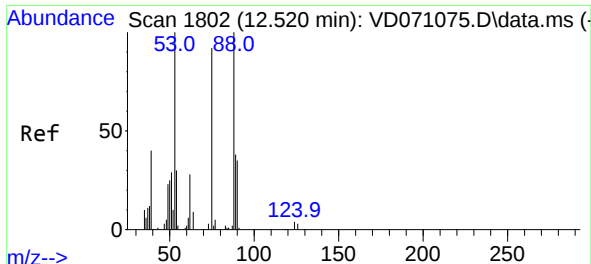
Tgt Ion: 43 Resp: 2640
Ion Ratio Lower Upper
43 100
70 5.0 36.6 55.0#
55 11.1 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 56.315 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion: 75 Resp: 128586
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#

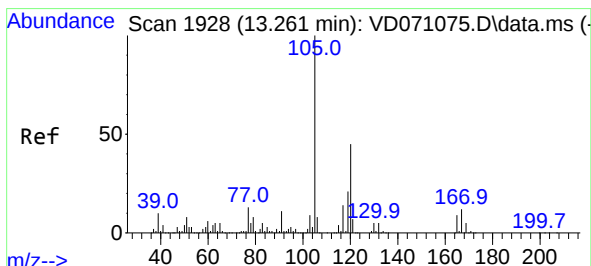
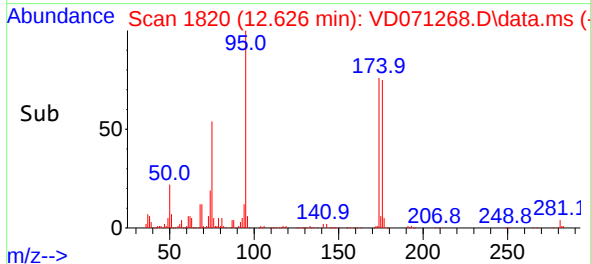
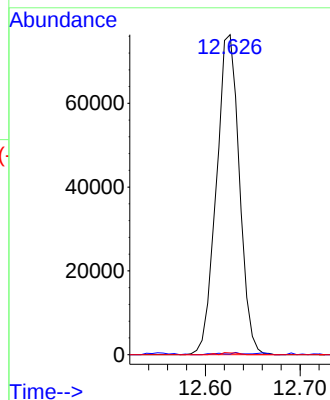
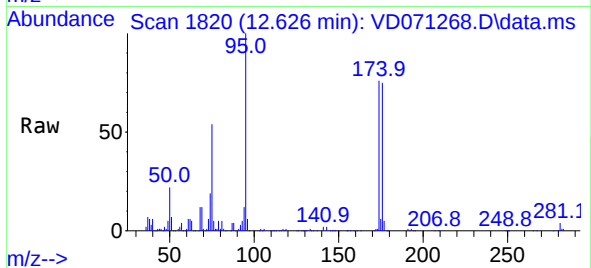




#81
trans-1,4-Dichloro-2-butene
Concen: 122.281 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

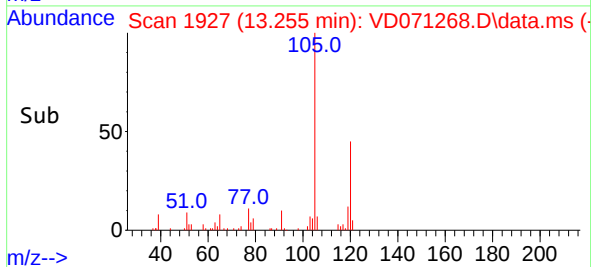
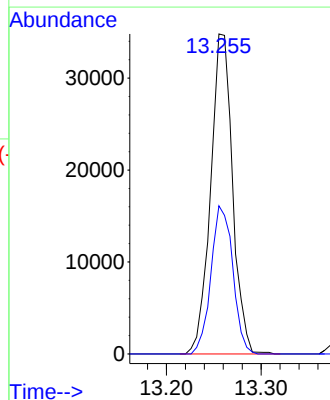
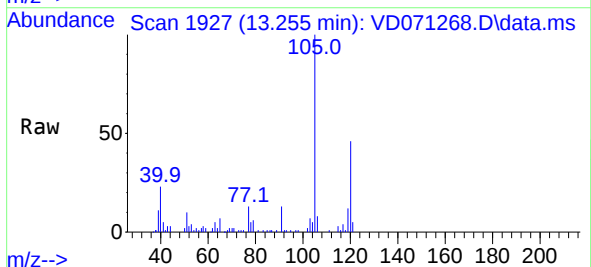
Instrument :
MSVOA_D
ClientSampleId :

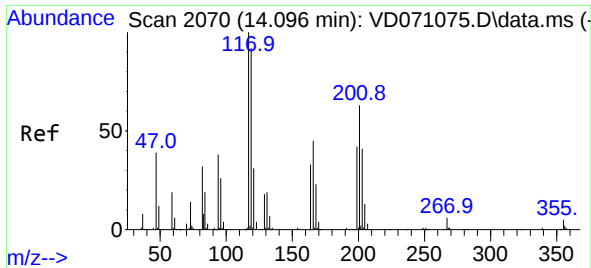
Tgt Ion: 75 Resp: 128586
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.5 34.5 51.7#



#84
1,2,4-Trimethylbenzene
Concen: 4.020 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion:105 Resp: 56161
Ion Ratio Lower Upper
105 100
120 45.9 22.9 68.7

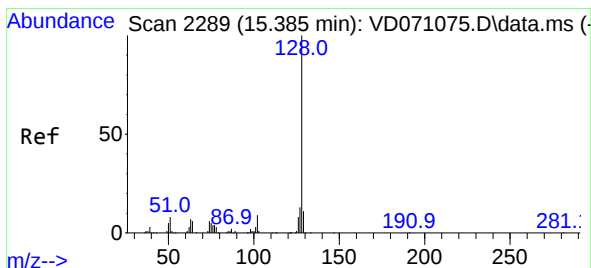
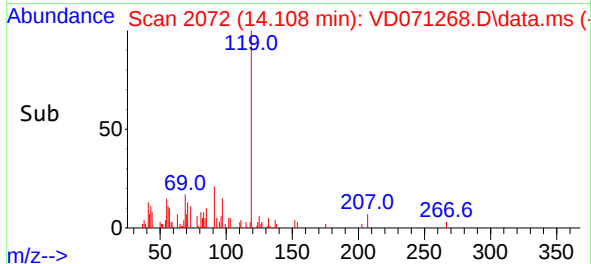
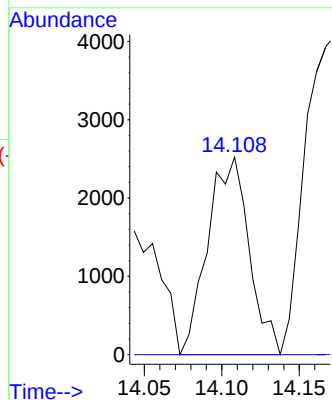
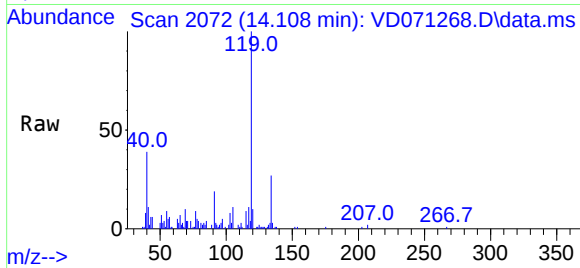




#90
Hexachloroethane
Concen: 1.605 ug/l
RT: 14.108 min Scan# 2070
Delta R.T. 0.012 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 4670
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#



#95
Naphthalene
Concen: 2.013 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071268.D
Acq: 11 Dec 2021 14:26

Tgt Ion:128 Resp: 14086
Ion Ratio Lower Upper
128 100
127 24.0 10.7 16.1#
129 22.9 8.7 13.1#

