

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021622\
 Data File : VD072000.D
 Acq On : 16 Feb 2022 19:16
 Operator : VA/SY
 Sample : N1571-01
 Misc : 6.78G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-3

Quant Time: Feb 17 00:51:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

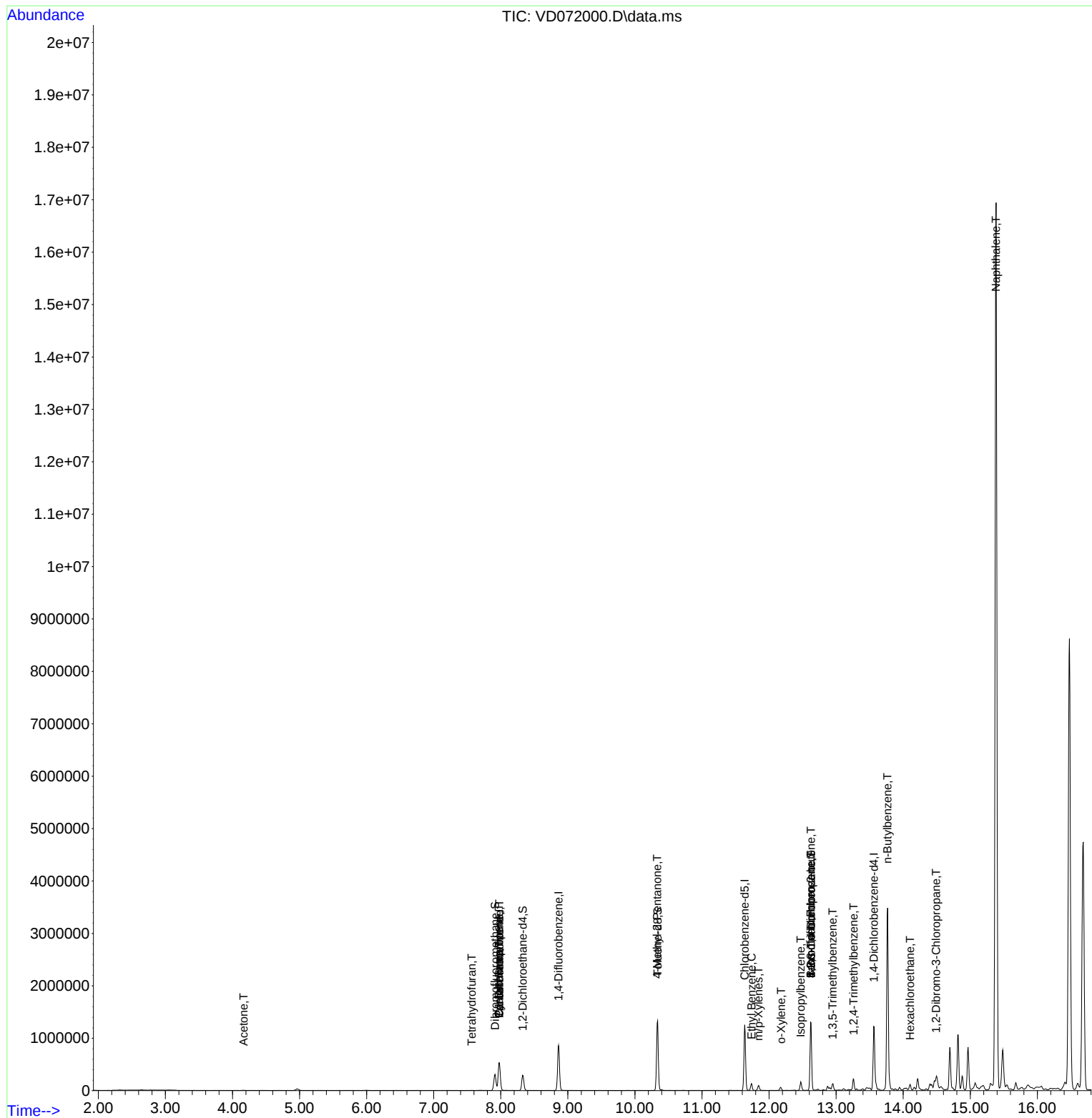
Internal Standards						
1) Pentafluorobenzene	7.979	168	362732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	673367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	644368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	297371	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235595	51.387	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.780%			
35) Dibromofluoromethane	7.914	113	212840	48.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.180%			
50) Toluene-d8	10.338	98	858061	51.908	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.820%			
62) 4-Bromofluorobenzene	12.626	95	306652	53.121	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.240%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.220	59	81	Below Cal	#	74
16) Acetone	4.167	43	5661	4.511	ug/l #	86
29) Tetrahydrofuran	7.567	42	926	1.070	ug/l #	55
31) Cyclohexane	7.973	56	11393	1.302	ug/l #	24
36) 1,1-Dichloropropene	7.973	75	35334	4.651	ug/l #	51
38) Carbon Tetrachloride	7.979	117	40240	5.356	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	5598	1.685	ug/l #	1
67) Ethyl Benzene	11.738	91	86639	3.454	ug/l	99
68) m/p-Xylenes	11.843	106	24368	2.554	ug/l	99
69) o-Xylene	12.179	106	14430	1.664	ug/l	99
71) Bromoform	12.620	173	3642	1.375	ug/l #	1
73) Isopropylbenzene	12.473	105	59562	2.587	ug/l	100
76) 1,2,3-Trichloropropane	12.626	75	181551	57.931	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.949	105	57030	2.986	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	181551	142.439	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	116076	6.178	ug/l	99
89) n-Butylbenzene	13.767	91	305164	15.454	ug/l #	43
90) Hexachloroethane	14.102	117	7232	1.808	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.490	75	8612	12.203	ug/l #	6
95) Naphthalene	15.384	128	13427555	1263.514	ug/l	96

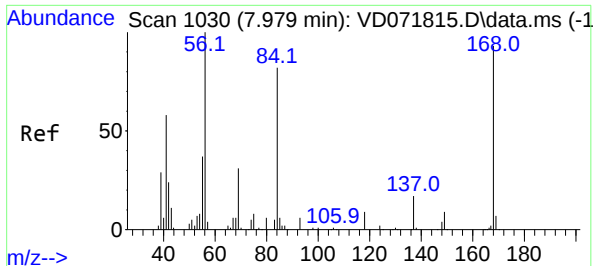
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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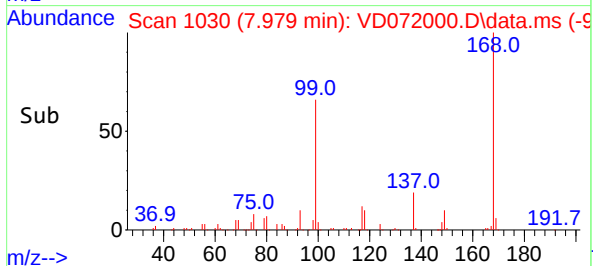
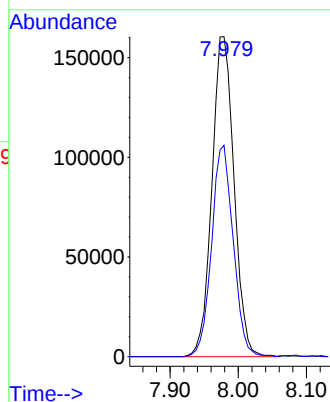
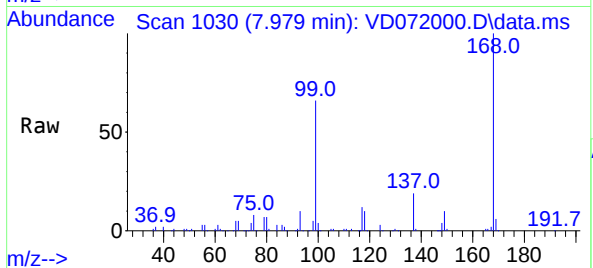




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

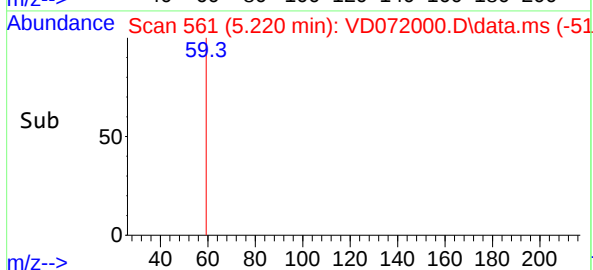
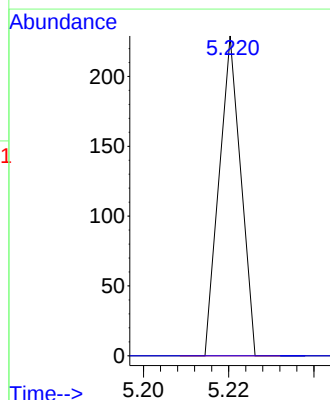
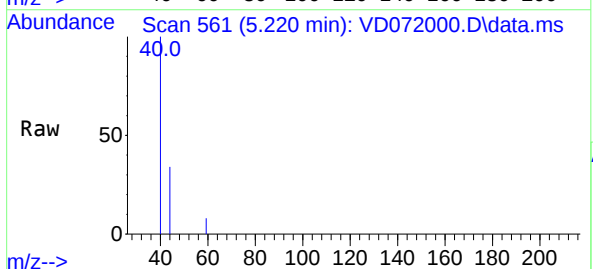
Instrument :
MSVOA_D
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TP-3

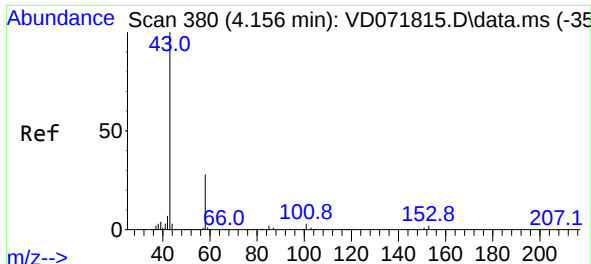
Tgt Ion:168 Resp: 362732
Ion Ratio Lower Upper
168 100
99 66.1 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

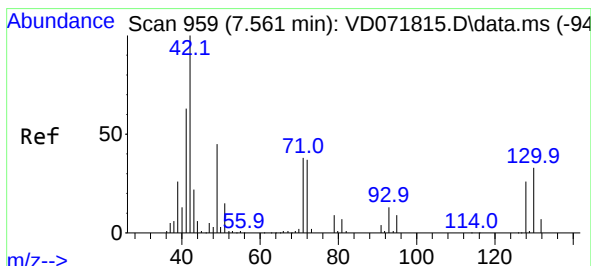
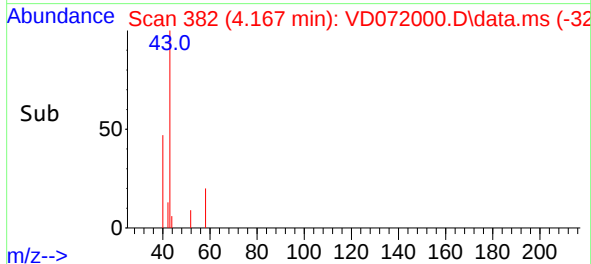
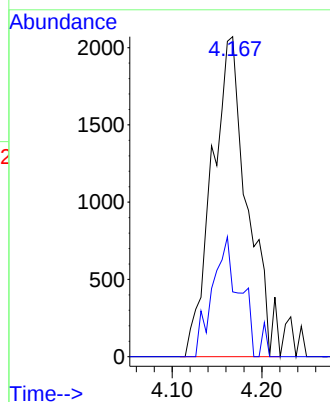
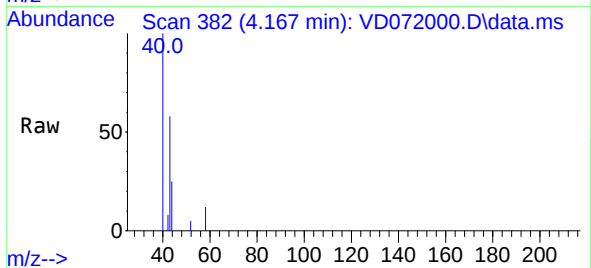




#16
Acetone
Concen: 4.511 ug/l
RT: 4.167 min Scan# 380
Delta R.T. 0.012 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

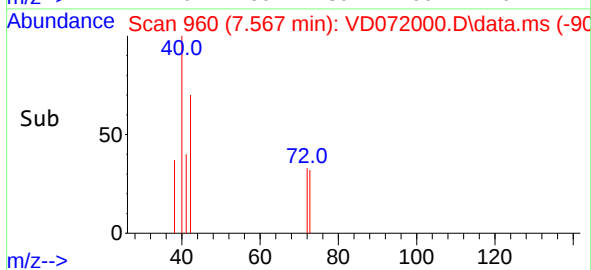
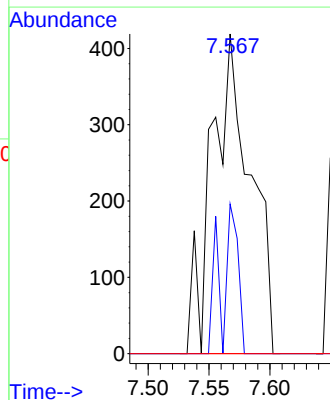
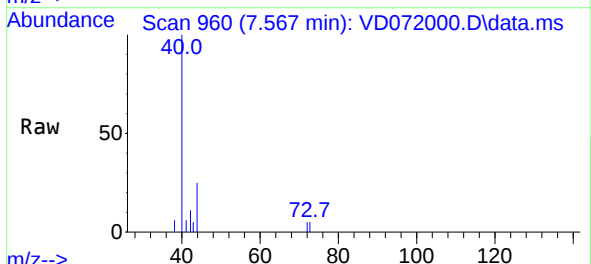
Instrument :
MSVOA_D
ClientSampleId :
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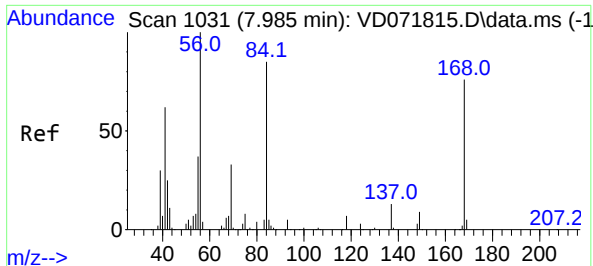
Tgt Ion: 43 Resp: 5661
Ion Ratio Lower Upper
43 100
58 20.2 22.1 33.1#



#29
Tetrahydrofuran
Concen: 1.070 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 42 Resp: 926
Ion Ratio Lower Upper
42 100
72 20.1 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.302 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD072000.D

Acq: 16 Feb 2022 19:16

Instrument :

MSVOA_D

ClientSampleId :

TP-3

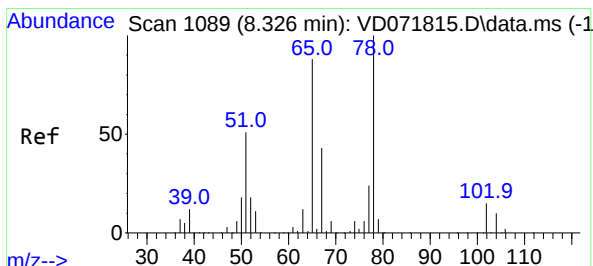
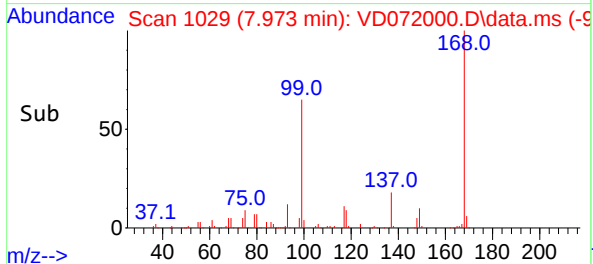
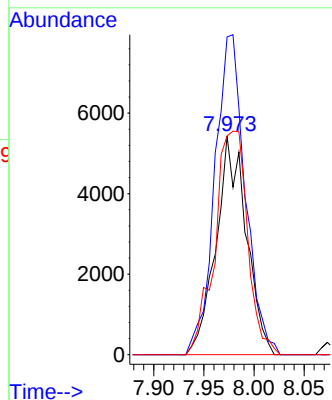
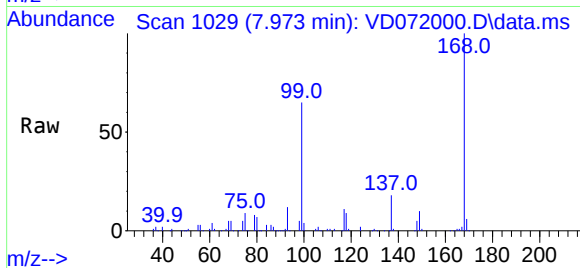
Tgt Ion: 56 Resp: 11393

Ion Ratio Lower Upper

56 100

69 145.4 25.4 38.2#

84 100.1 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 51.387 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072000.D

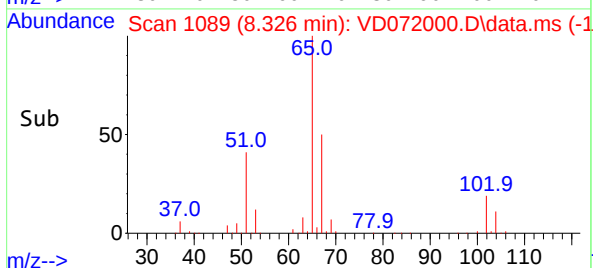
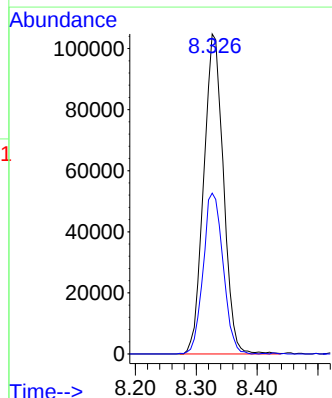
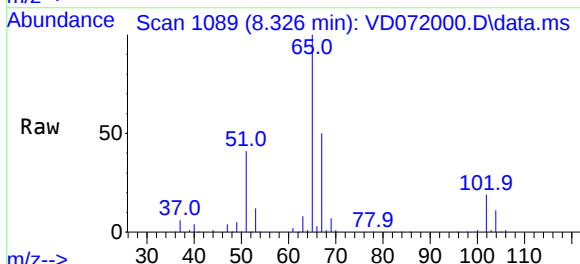
Acq: 16 Feb 2022 19:16

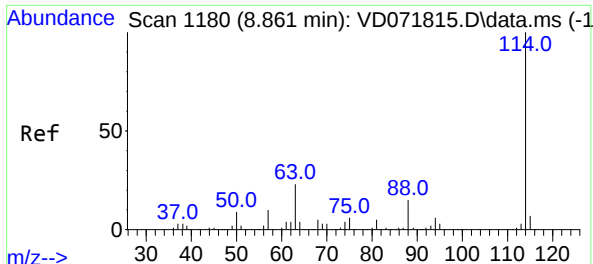
Tgt Ion: 65 Resp: 235595

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.4

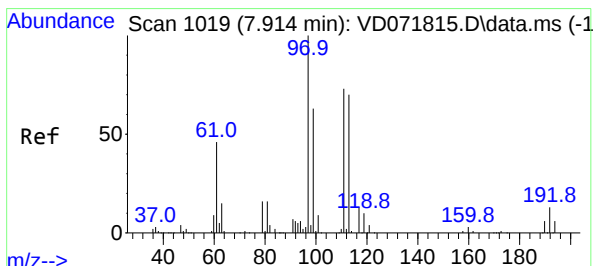
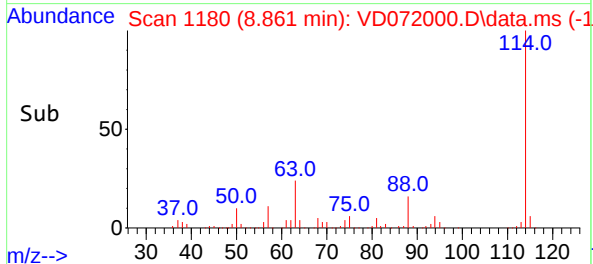
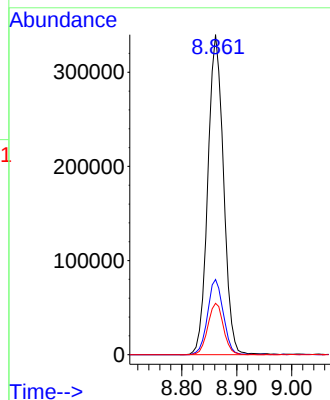
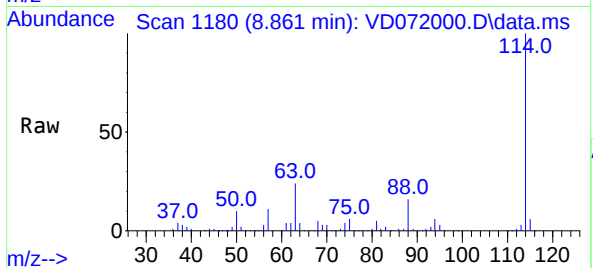




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

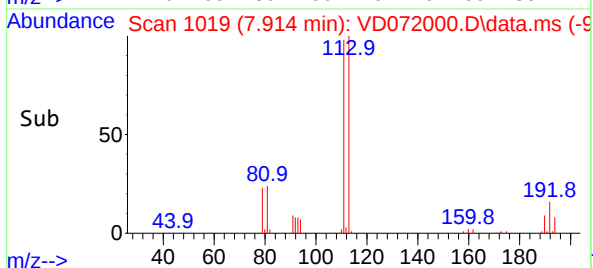
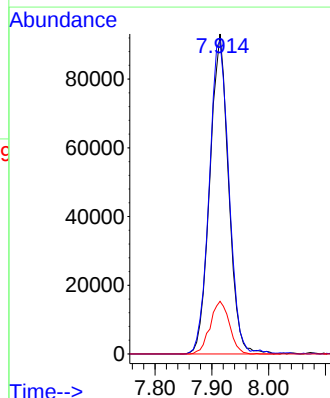
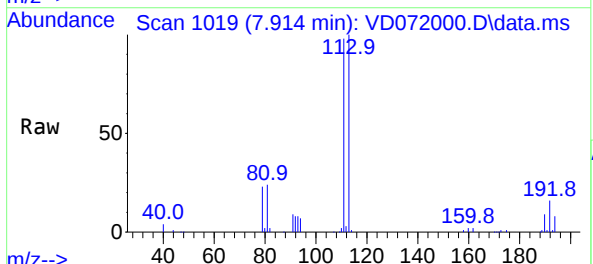
Instrument :
MSVOA_D
ClientSampleId :
TP-3

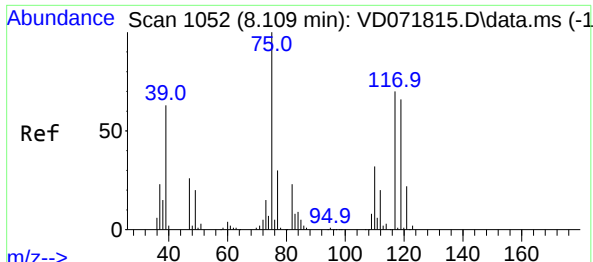
Tgt Ion:114 Resp: 673367
Ion Ratio Lower Upper
114 100
63 23.5 0.0 46.6
88 16.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.086 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

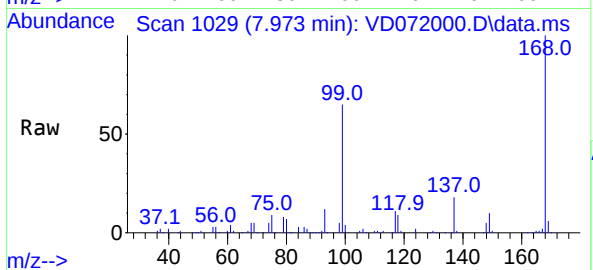
Tgt Ion:113 Resp: 212840
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 16.9 14.6 21.8



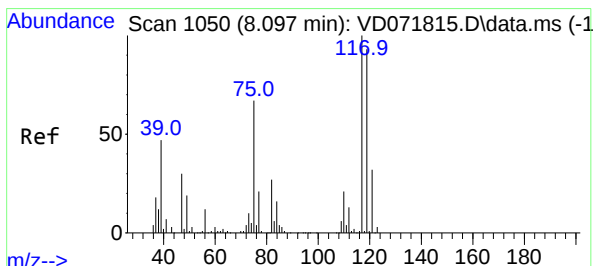
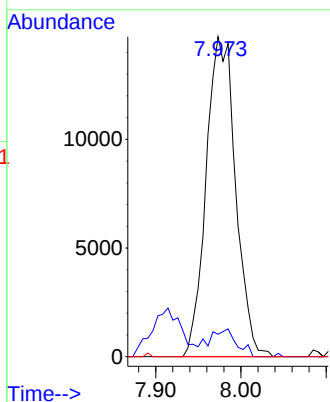
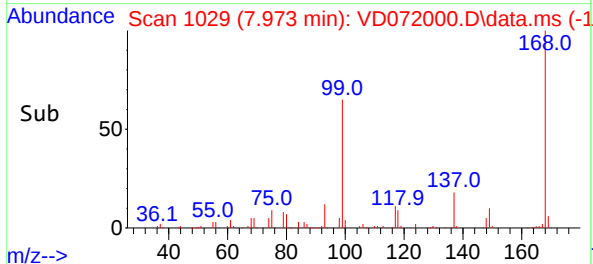


#36
1,1-Dichloropropene
Concen: 4.651 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

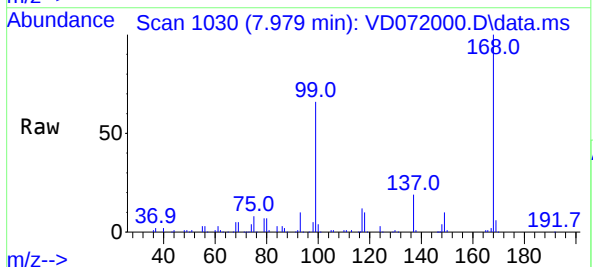
Instrument :
MSVOA_D
ClientSampleId :
TP-3



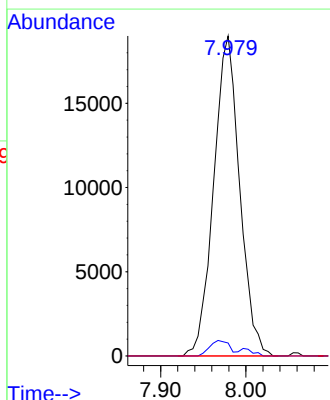
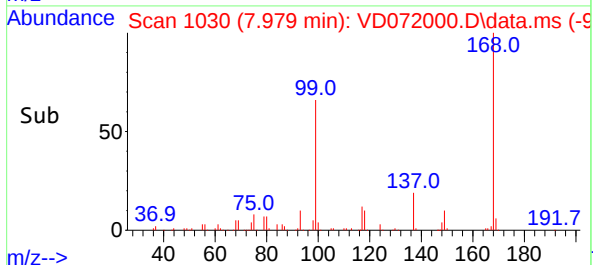
Tgt Ion: 75 Resp: 35334
Ion Ratio Lower Upper
75 100
110 8.0 16.4 49.1#
77 0.0 24.2 36.2#

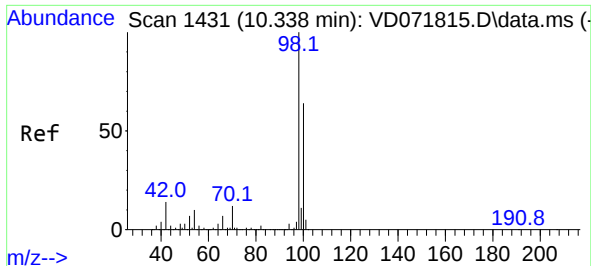


#38
Carbon Tetrachloride
Concen: 5.356 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16



Tgt Ion: 117 Resp: 40240
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.5 36.7#

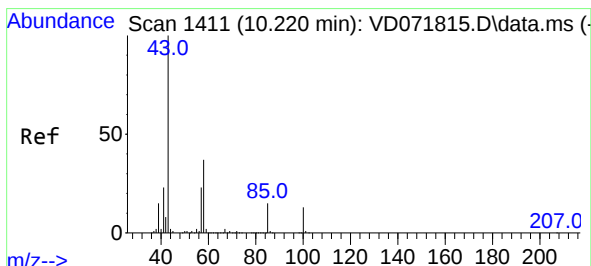
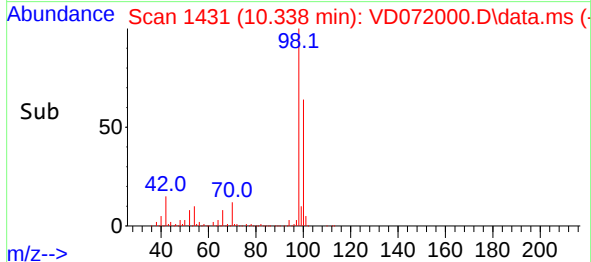
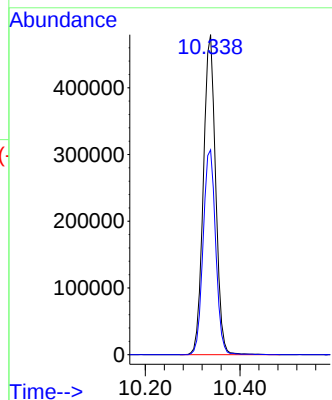
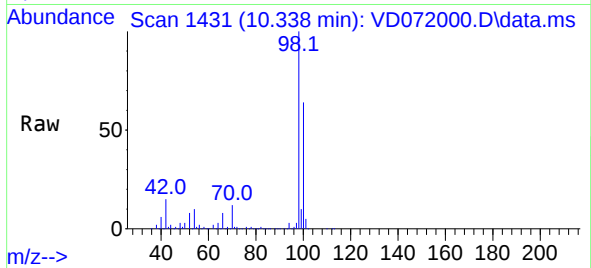




#50
Toluene-d8
Concen: 51.908 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

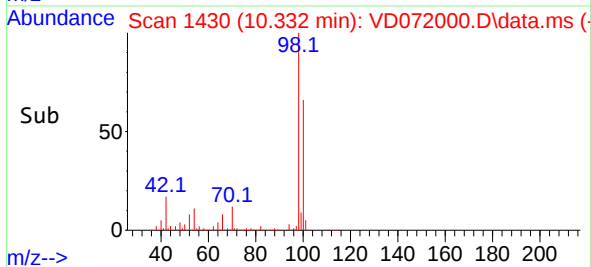
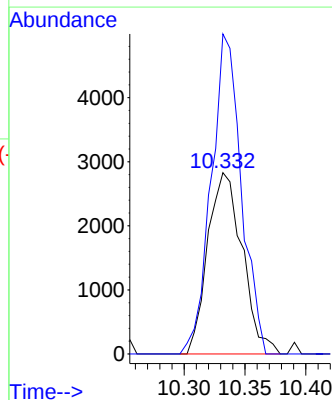
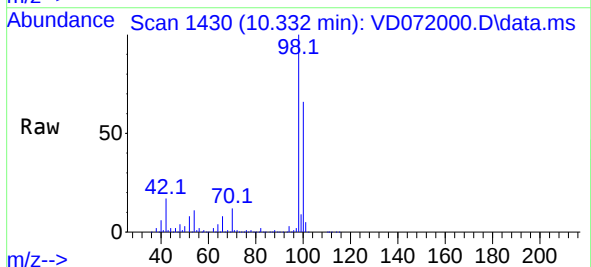
Instrument :
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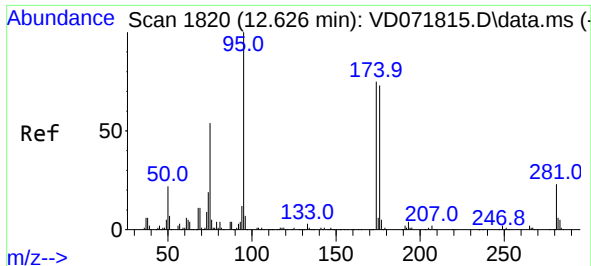
Tgt Ion: 98 Resp: 858061
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.685 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 43 Resp: 5598
Ion Ratio Lower Upper
43 100
58 153.4 28.6 43.0#

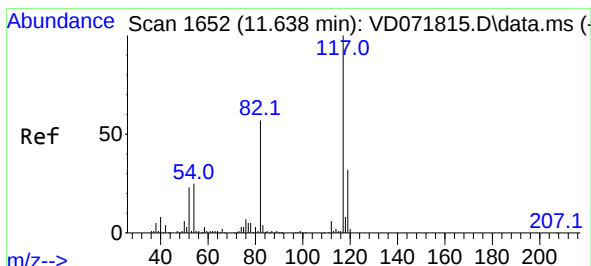
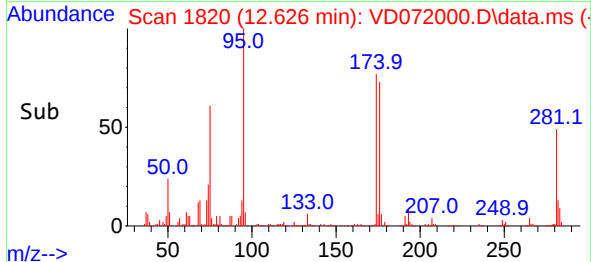
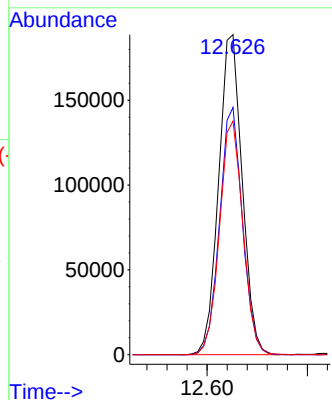
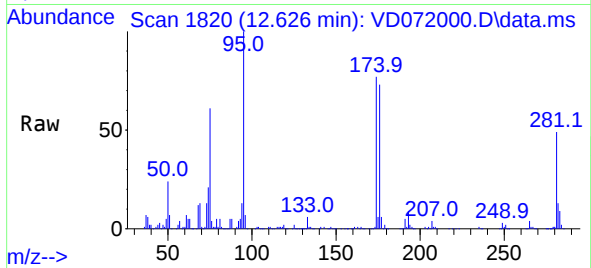




#62
4-Bromofluorobenzene
Concen: 53.121 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

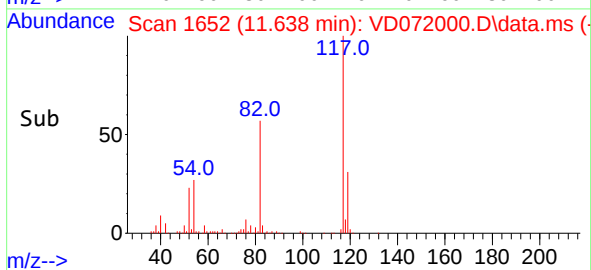
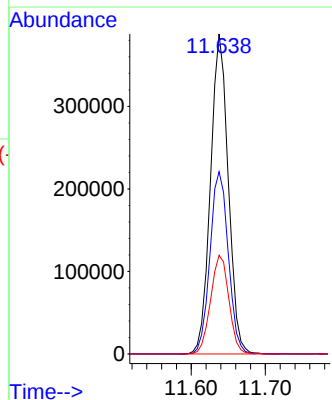
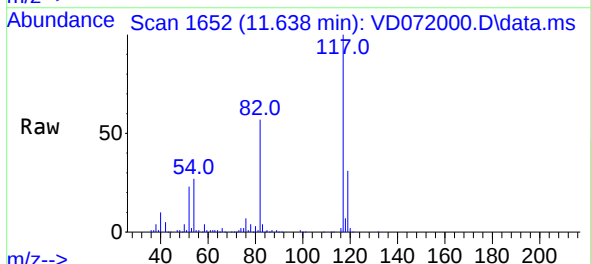
Instrument :
MSVOA_D
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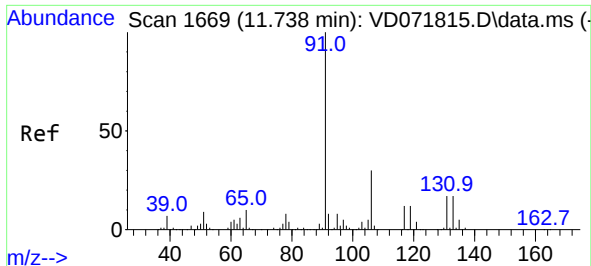
Tgt Ion: 95 Resp: 306652
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 72.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 117 Resp: 644368
Ion Ratio Lower Upper
117 100
82 57.0 45.3 67.9
119 30.9 26.6 40.0

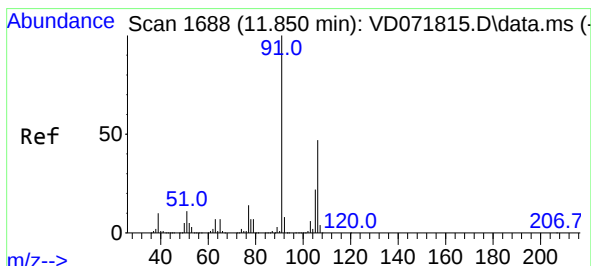
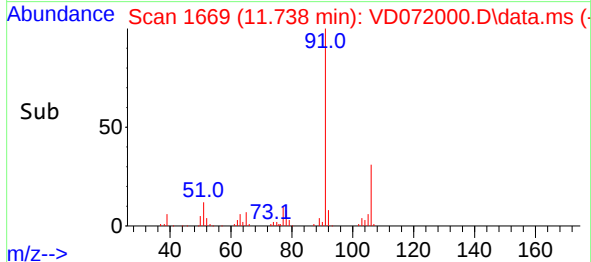
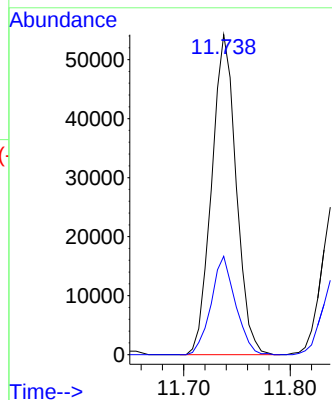
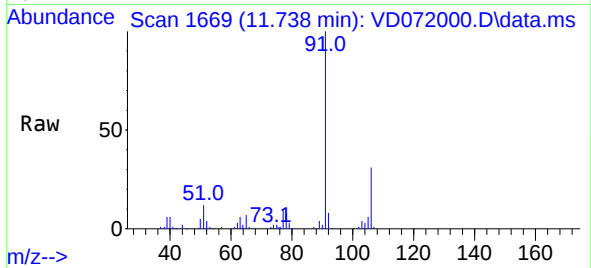




#67
Ethyl Benzene
Concen: 3.454 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

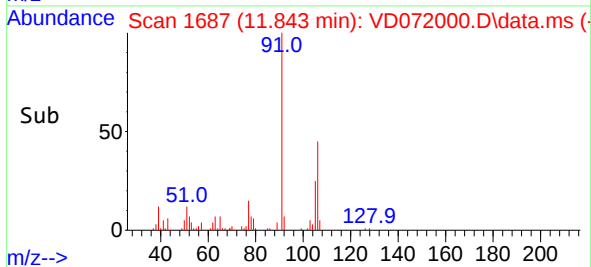
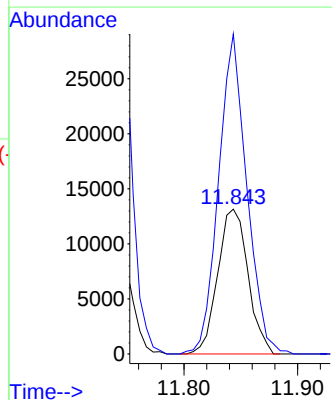
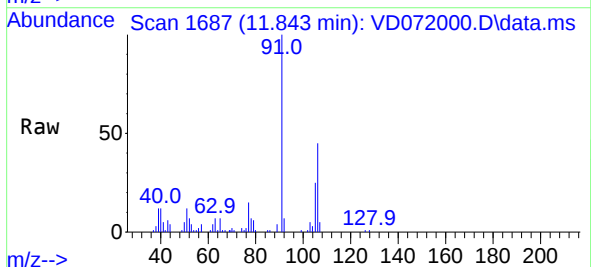
Instrument :
MSVOA_D
ClientSampleId :
TP-3

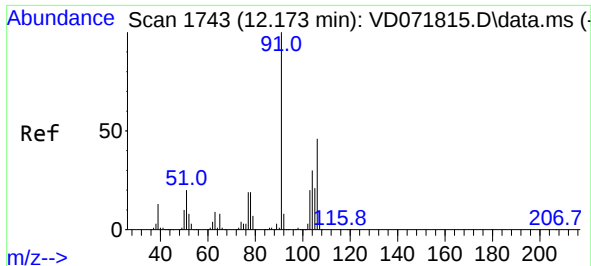
Tgt Ion: 91 Resp: 86639
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.4



#68
m/p-Xylenes
Concen: 2.554 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 106 Resp: 24368
Ion Ratio Lower Upper
106 100
91 205.6 163.7 245.5

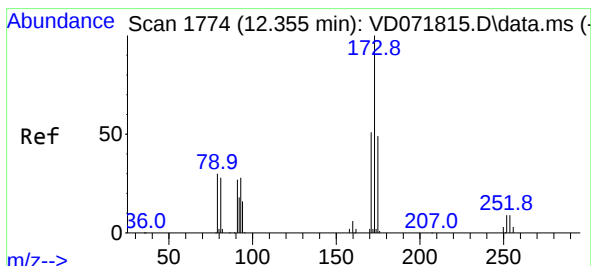
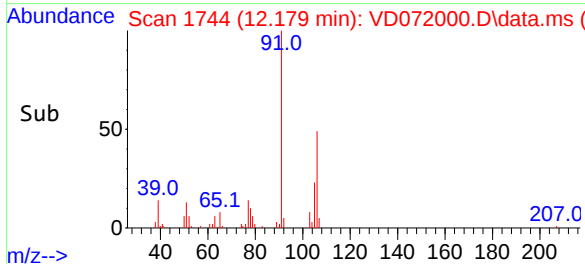
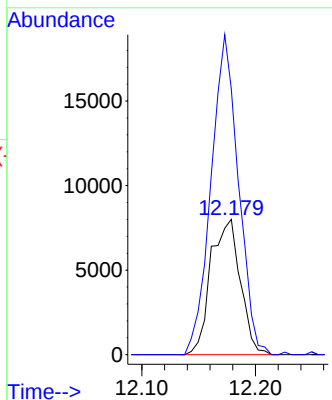
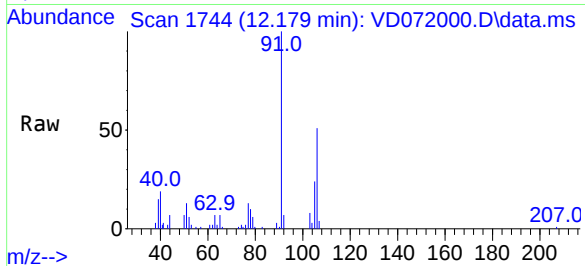




#69
o-Xylene
Concen: 1.664 ug/l
RT: 12.179 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

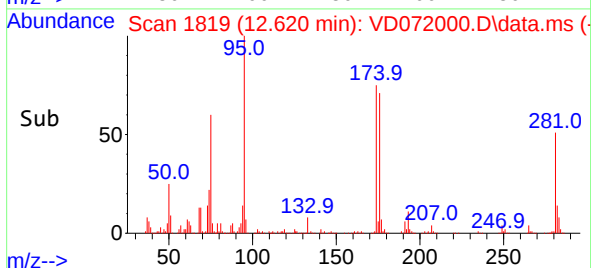
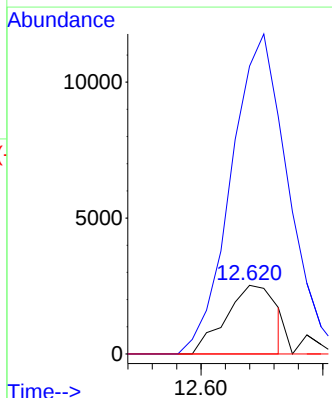
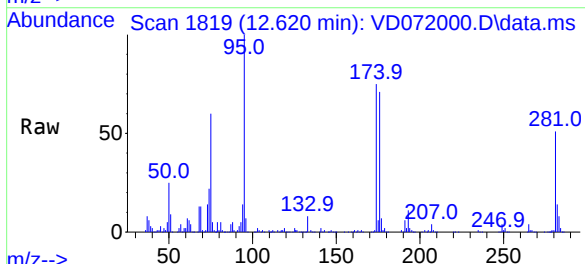
Instrument :
MSVOA_D
ClientSampleId :
TP-3

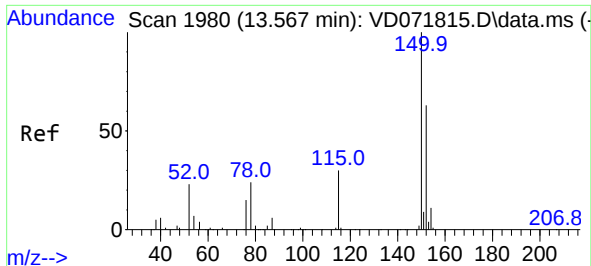
Tgt Ion:106 Resp: 14430
Ion Ratio Lower Upper
106 100
91 219.7 110.4 331.2



#71
Bromoform
Concen: 1.375 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion:173 Resp: 3642
Ion Ratio Lower Upper
173 100
175 435.3 23.9 71.8#
254 0.0 0.0 0.0

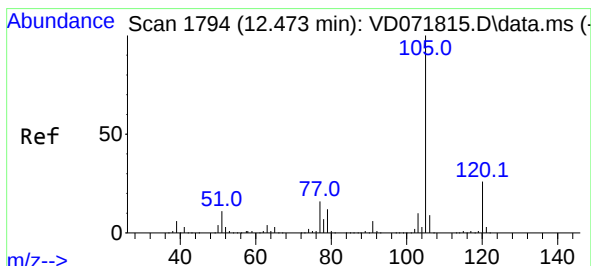
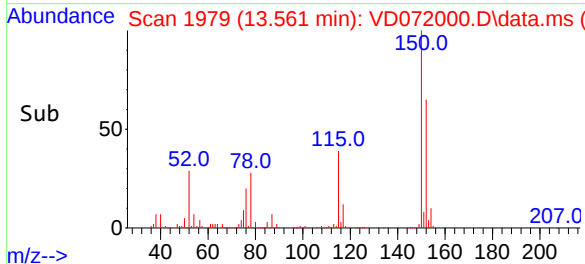
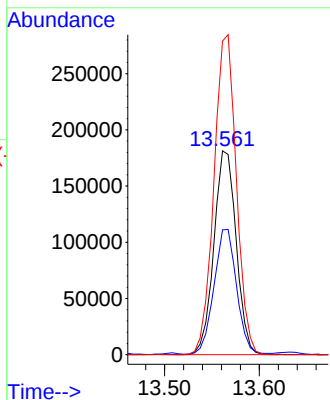
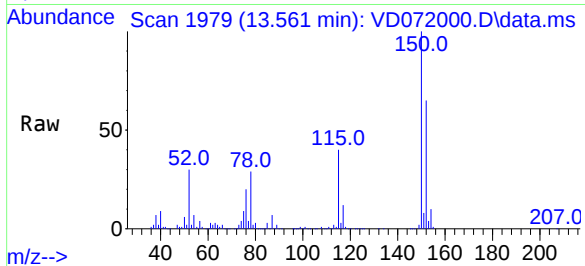




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

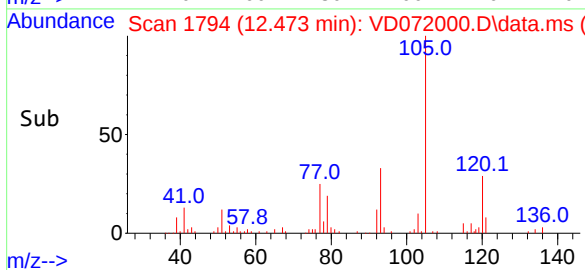
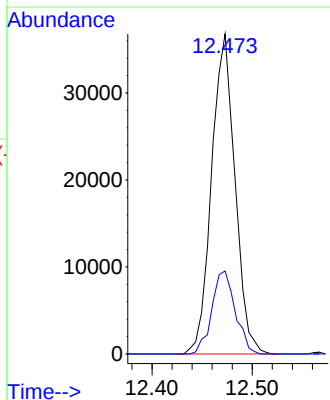
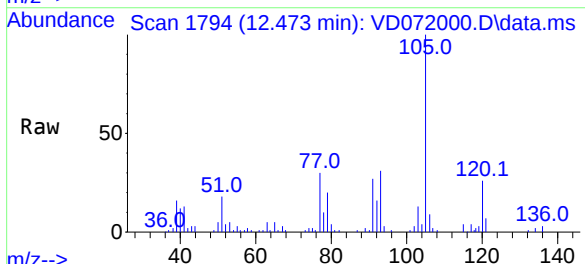
Instrument :
MSVOA_D
ClientSampleId :
TP-3

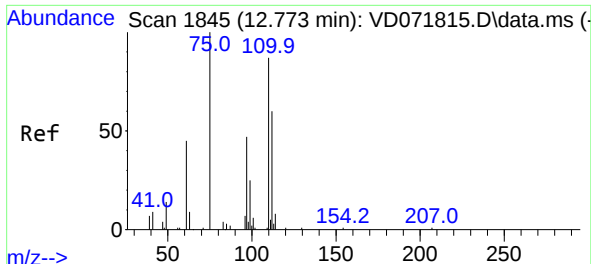
Tgt Ion:152 Resp: 297371
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 157.5 0.0 348.6



#73
Isopropylbenzene
Concen: 2.587 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion:105 Resp: 59562
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9

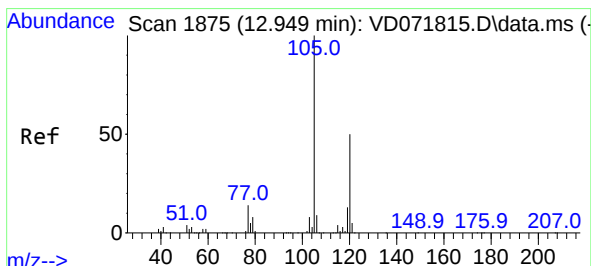
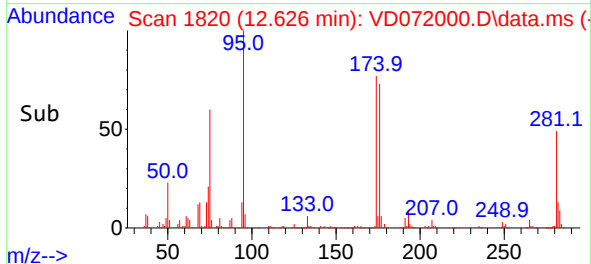
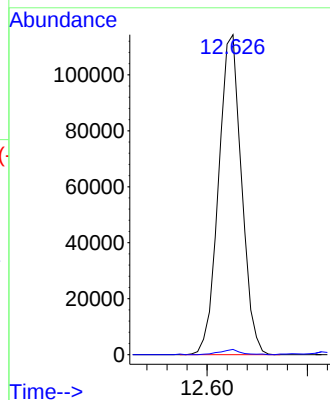
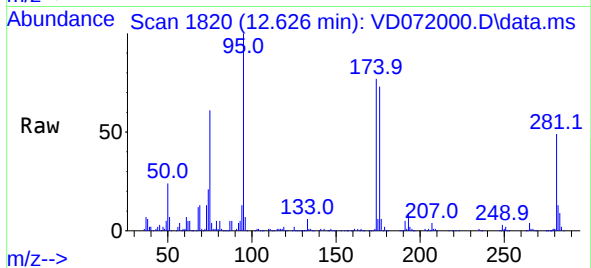




#76
1,2,3-Trichloropropane
Concen: 57.931 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

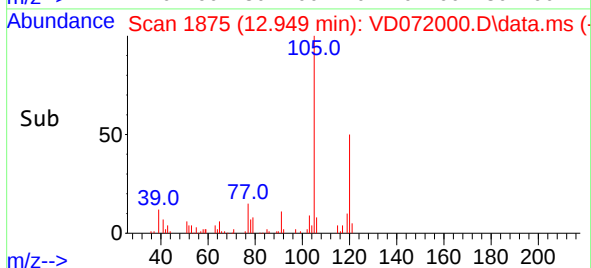
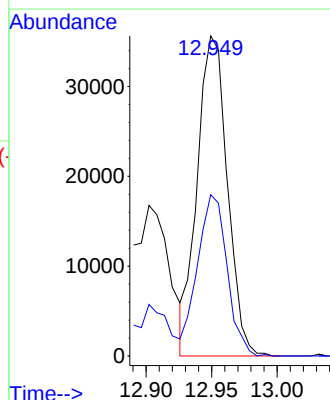
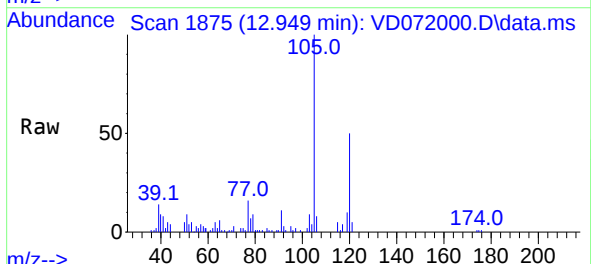
Instrument :
MSVOA_D
ClientSampleId :
TP-3

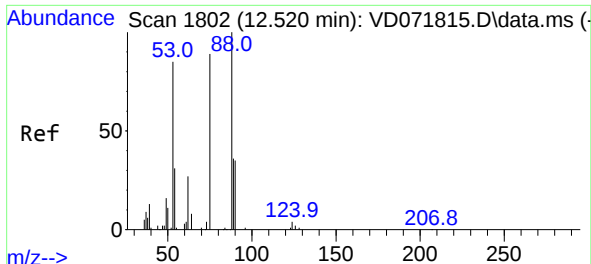
Tgt Ion: 75 Resp: 181551
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.986 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion:105 Resp: 57030
Ion Ratio Lower Upper
105 100
120 49.4 24.3 72.8

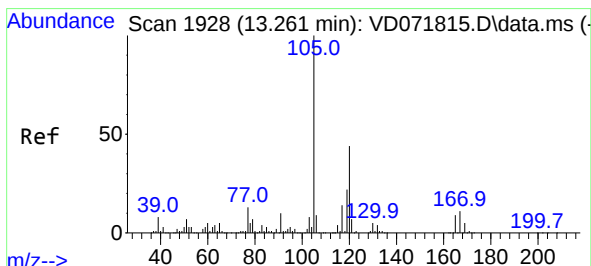
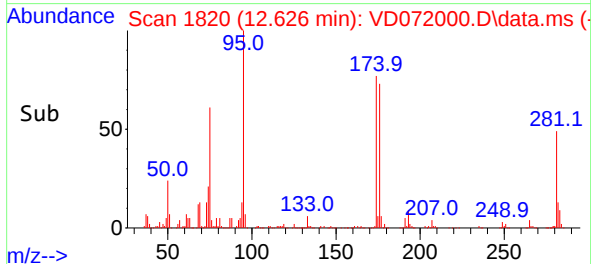
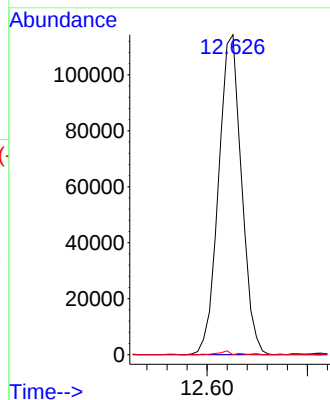
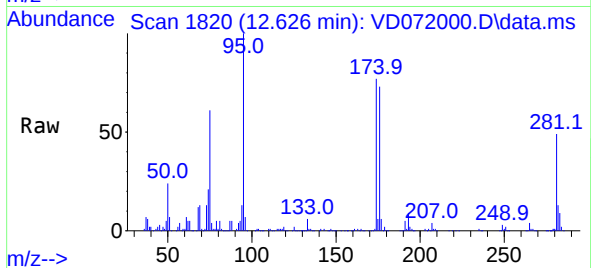




#81
trans-1,4-Dichloro-2-butene
Concen: 142.439 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

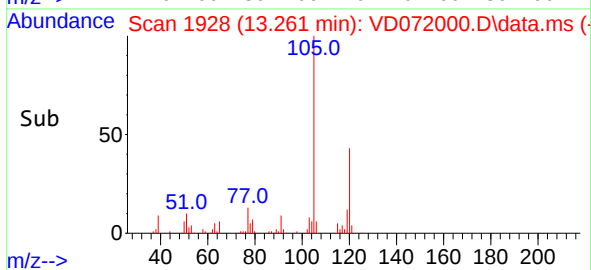
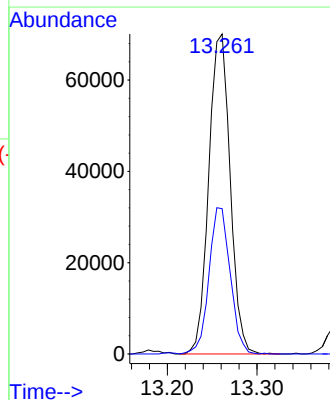
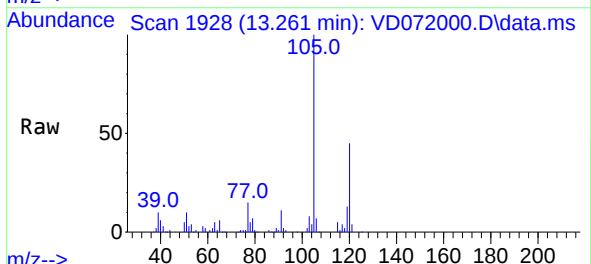
Instrument :
MSVOA_D
ClientSampleId :
TP-3

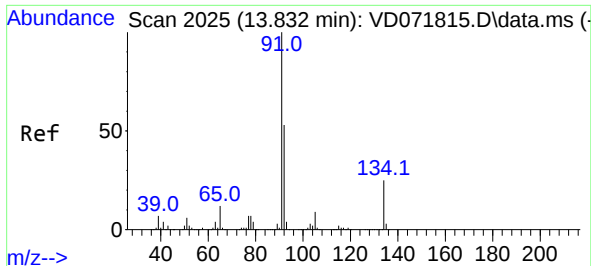
Tgt Ion: 75 Resp: 181551
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.7 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 6.178 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 105 Resp: 116076
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.8

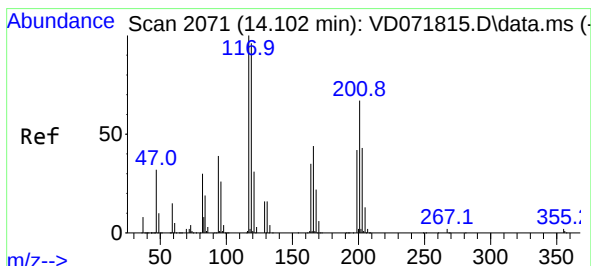
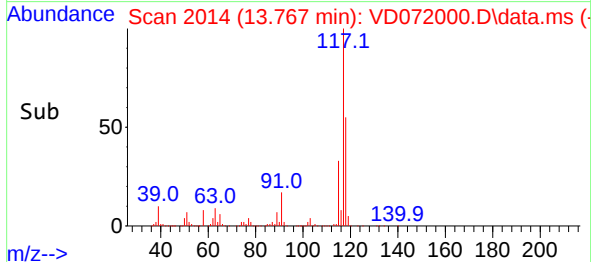
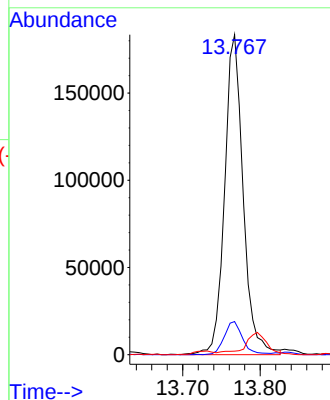
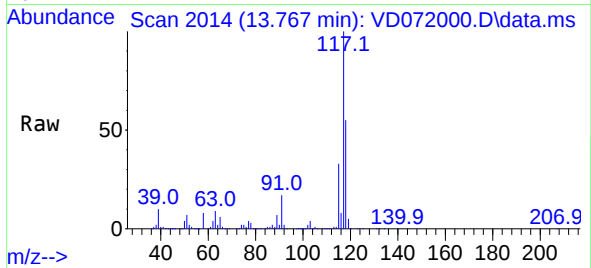




#89
n-Butylbenzene
Concen: 15.454 ug/l
RT: 13.767 min Scan# 2025
Delta R.T. -0.065 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

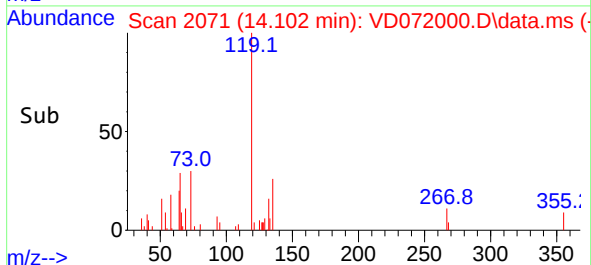
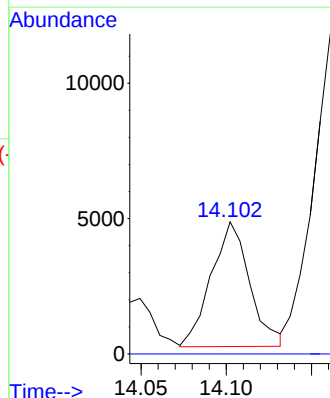
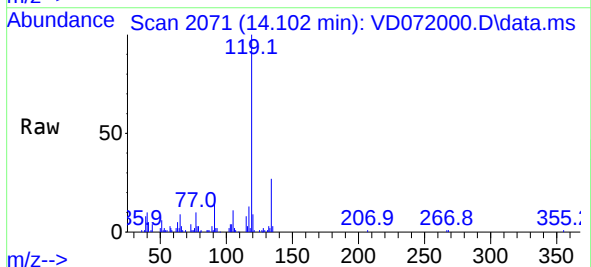
Instrument :
MSVOA_D
ClientSampleId :
TP-3

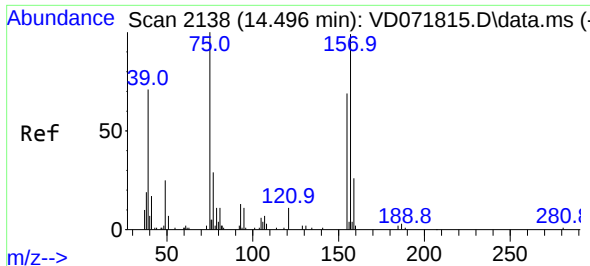
Tgt Ion: 91 Resp: 305164
Ion Ratio Lower Upper
91 100
92 10.4 26.6 79.8#
134 0.0 12.3 36.9#



#90
Hexachloroethane
Concen: 1.808 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 117 Resp: 7232
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#

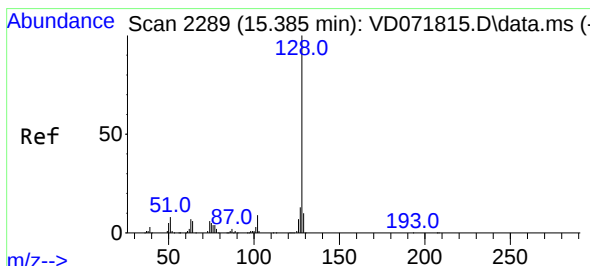
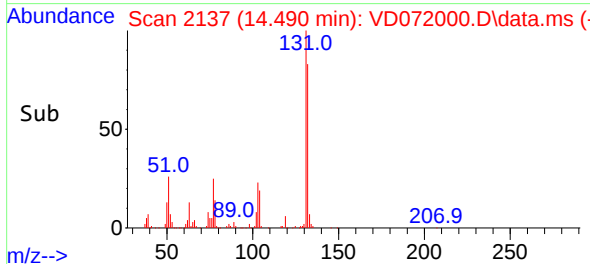
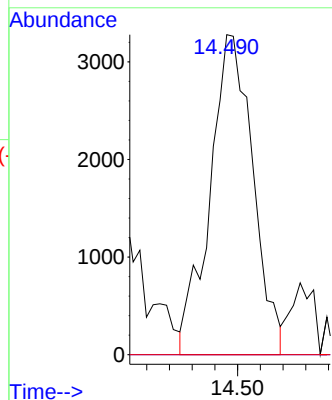
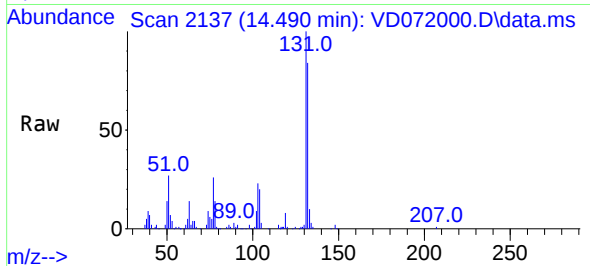




#92
1,2-Dibromo-3-Chloropropane
Concen: 12.203 ug/l
RT: 14.490 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Instrument :
MSVOA_D
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 8612
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#



#95
Naphthalene
Concen: 1263.514 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072000.D
Acq: 16 Feb 2022 19:16

Tgt Ion: 128 Resp: 13427555
Ion Ratio Lower Upper
128 100
127 14.6 10.3 15.5
129 12.1 8.4 12.6

