

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072335.D
 Acq On : 21 Mar 2022 12:48
 Operator : VA/SY
 Sample : N1949-03
 Misc : 5.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-BH1-031422-0-1

Quant Time: Mar 22 02:10:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

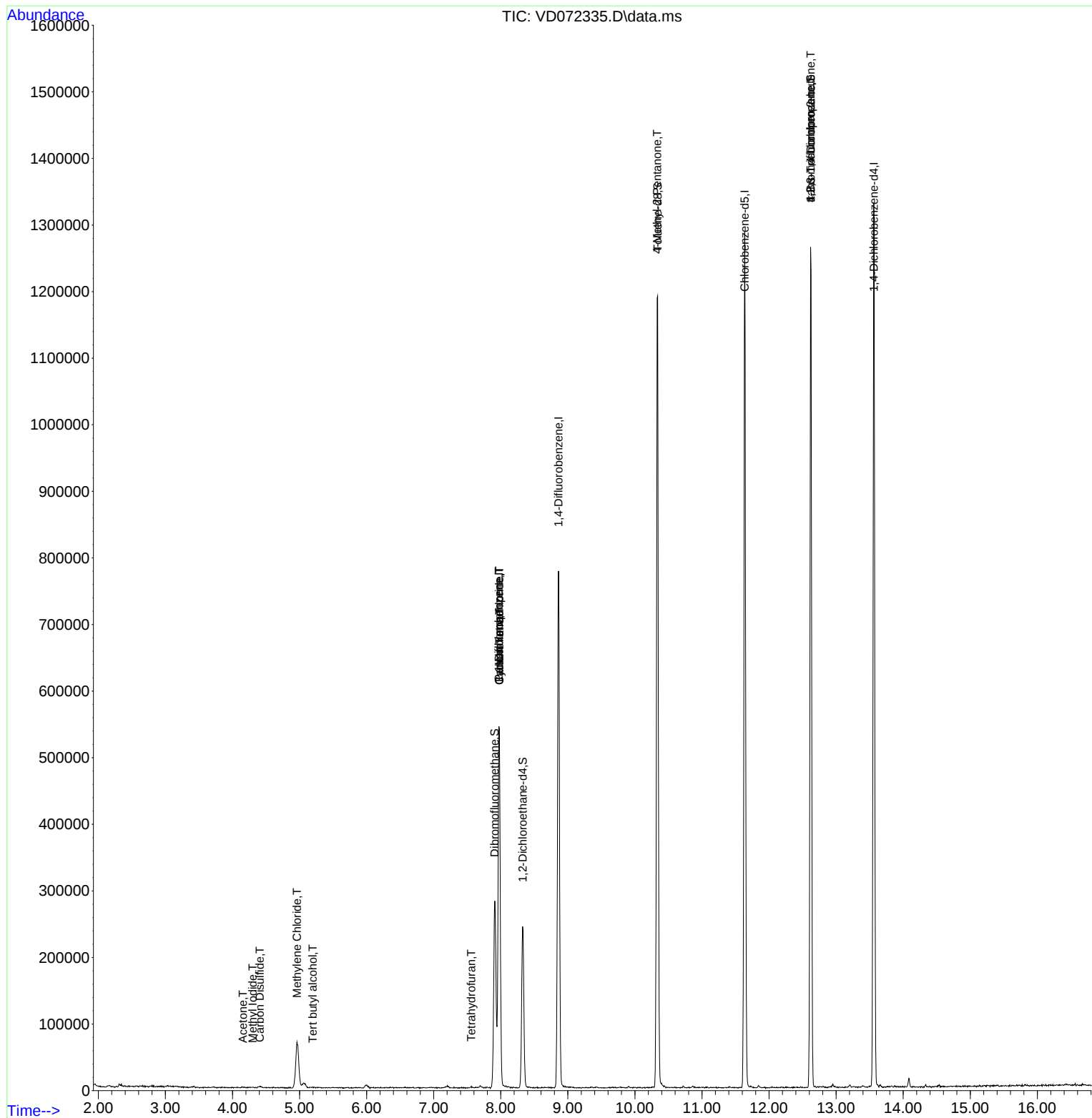
Internal Standards						
1) Pentafluorobenzene	7.973	168	399555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	664308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	717588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	352840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	197967	44.459	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.920%
35) Dibromofluoromethane	7.908	113	207154	44.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.620%
50) Toluene-d8	10.338	98	814997	47.679	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.360%
62) 4-Bromofluorobenzene	12.620	95	350482	52.770	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.540%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	186	2.270	ug/l #	89
11) Tert butyl alcohol	5.197	59	367	1.421	ug/l #	74
16) Acetone	4.156	43	1484	1.535	ug/l #	77
17) Carbon Disulfide	4.409	76	4468	2.007	ug/l #	92
20) Methylene Chloride	4.961	84	52071	5.114	ug/l	94
29) Tetrahydrofuran	7.561	42	859	1.133	ug/l #	59
31) Cyclohexane	7.979	56	9708	1.395	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	33301	5.078	ug/l #	51
38) Carbon Tetrachloride	7.979	117	41344	5.546	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	4356	1.487	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	184984	47.528	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	184984	117.921	ug/l #	7

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

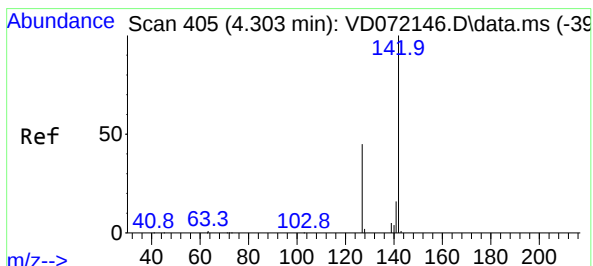
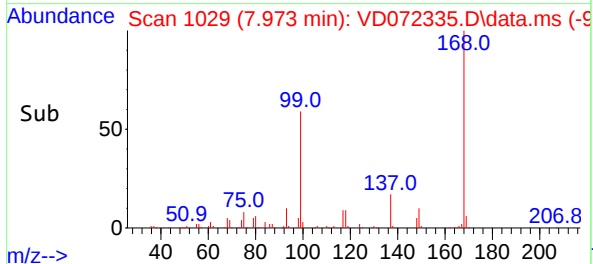
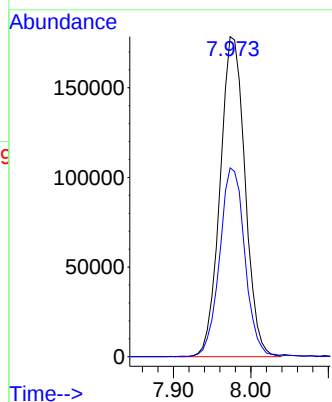
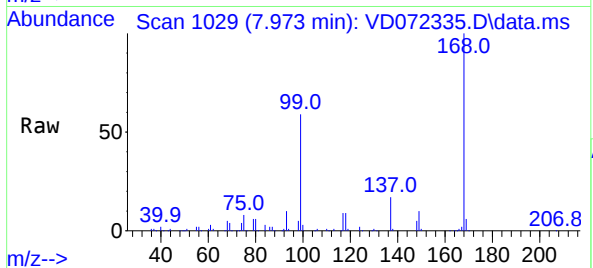




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

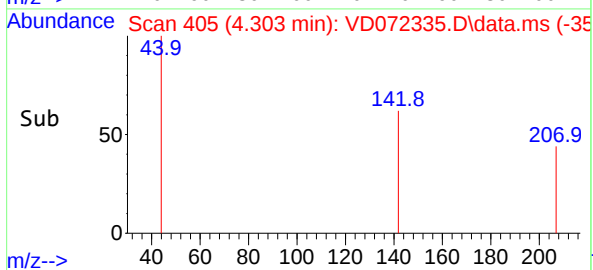
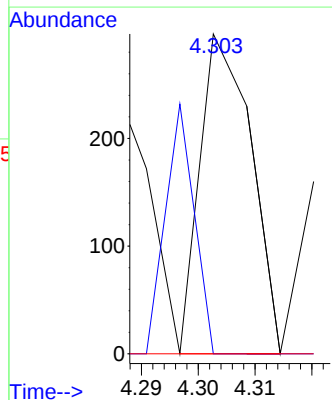
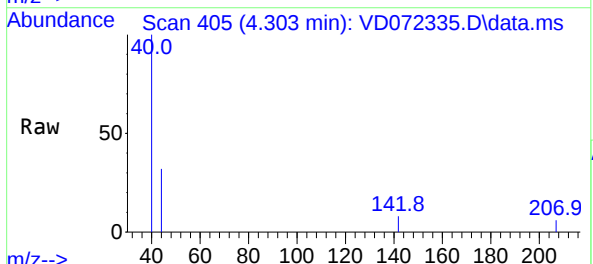
Instrument :
MSVOA_D
ClientSampleId :
CP-BH1-031422-0-1

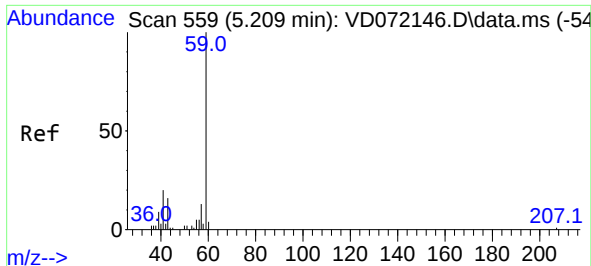
Tgt Ion:168 Resp: 399555
Ion Ratio Lower Upper
168 100
99 58.8 49.8 74.6



#10
Methyl Iodide
Concen: 2.270 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Tgt Ion:142 Resp: 186
Ion Ratio Lower Upper
142 100
127 44.1 37.3 55.9
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 1.421 ug/l

RT: 5.197 min Scan# 5

Delta R.T. -0.012 min

Lab File: VD072335.D

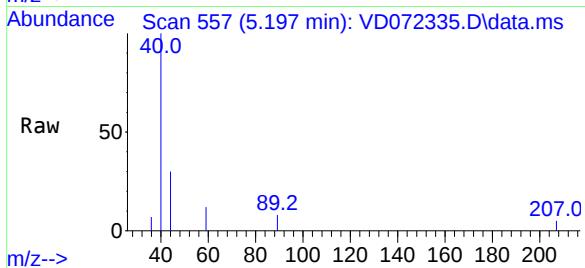
Acq: 21 Mar 2022 12:48

Instrument :

MSVOA_D

ClientSampleId :

CP-BH1-031422-0-1

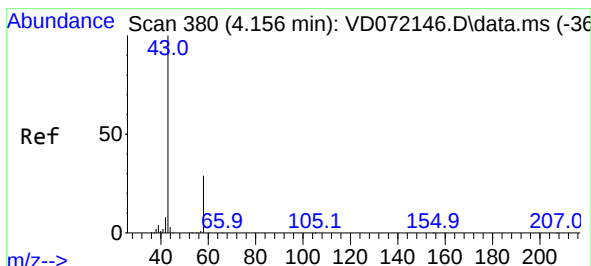
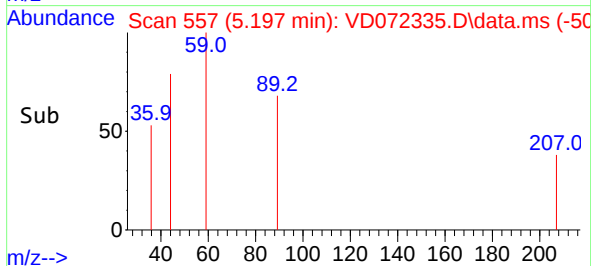
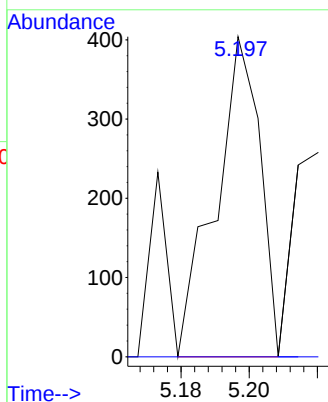


Tgt Ion: 59 Resp: 367

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 1.535 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD072335.D

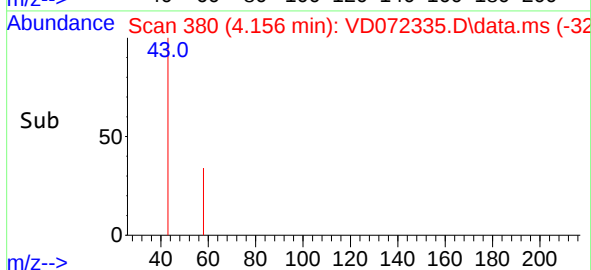
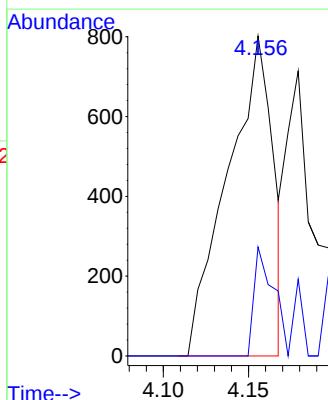
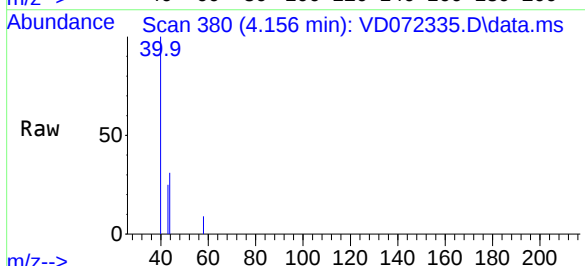
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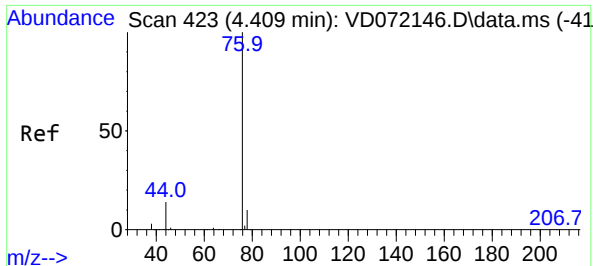
Tgt Ion: 43 Resp: 1484

Ion Ratio Lower Upper

43 100

58 15.4 22.1 33.1#

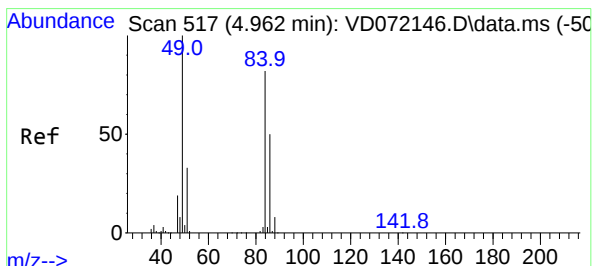
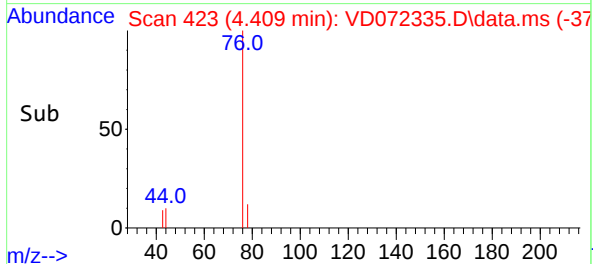
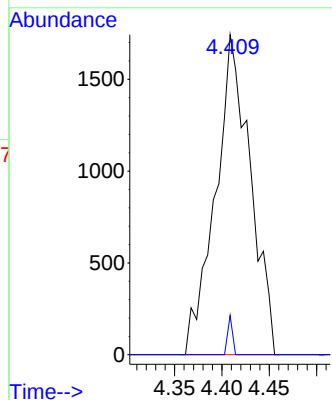
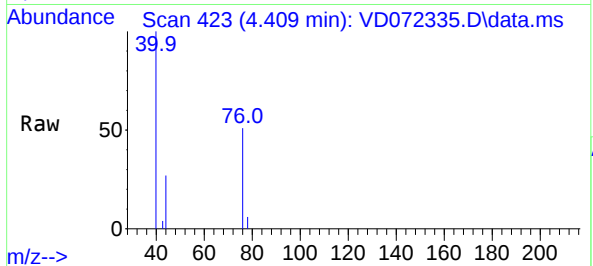




#17
Carbon Disulfide
Concen: 2.007 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

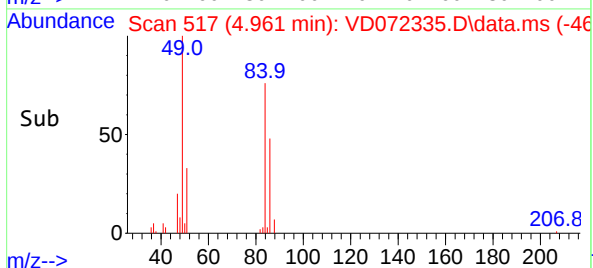
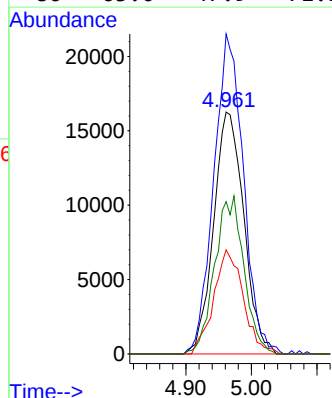
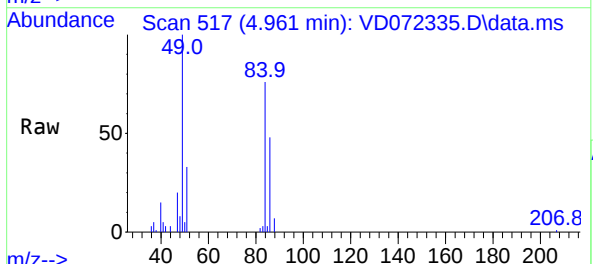
Instrument :
MSVOA_D
ClientSampleId :
CP-BH1-031422-0-1

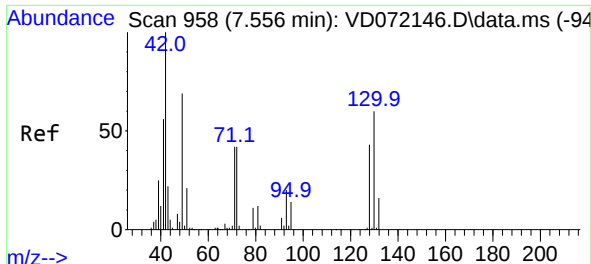
Tgt Ion: 76 Resp: 4468
Ion Ratio Lower Upper
76 100
78 12.3 7.5 11.3#



#20
Methylene Chloride
Concen: 5.114 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Tgt Ion: 84 Resp: 52071
Ion Ratio Lower Upper
84 100
49 132.3 112.8 169.2
51 43.0 32.6 48.8
86 63.0 47.9 71.9





#29

Tetrahydrofuran

Concen: 1.133 ug/l

RT: 7.561 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD072335.D

Acq: 21 Mar 2022 12:48

Instrument :

MSVOA_D

ClientSampleId :

CP-BH1-031422-0-1

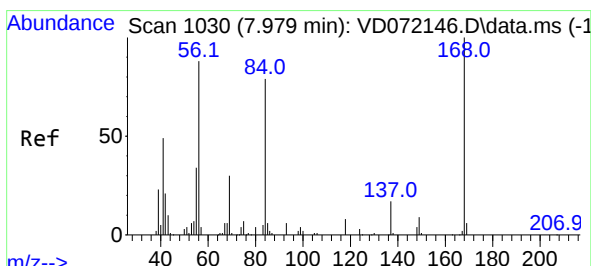
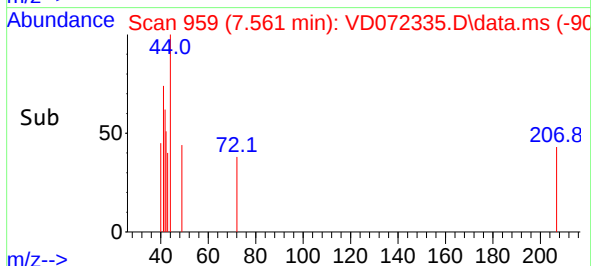
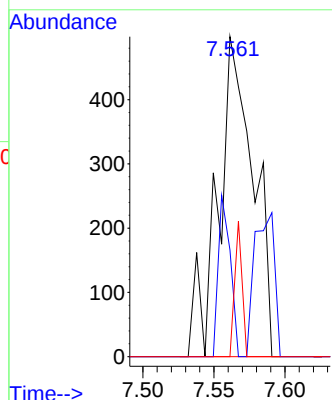
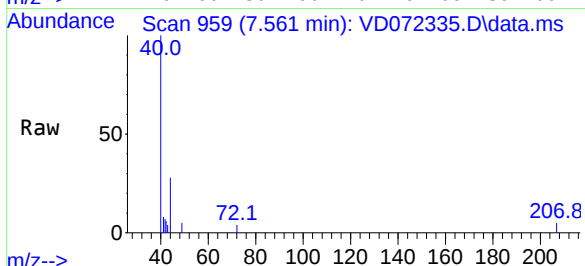
Tgt Ion: 42 Resp: 859

Ion Ratio Lower Upper

42 100

72 17.1 30.7 46.1#

71 8.6 28.6 43.0#



#31

Cyclohexane

Concen: 1.395 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD072335.D

Acq: 21 Mar 2022 12:48

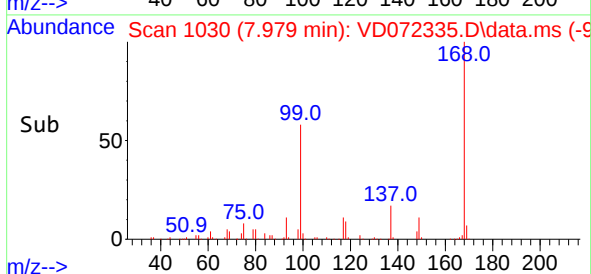
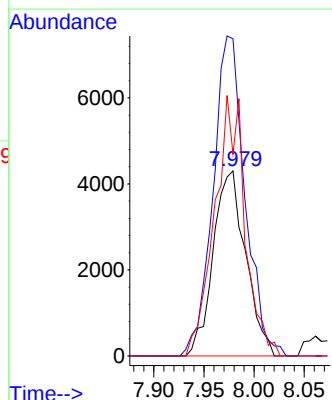
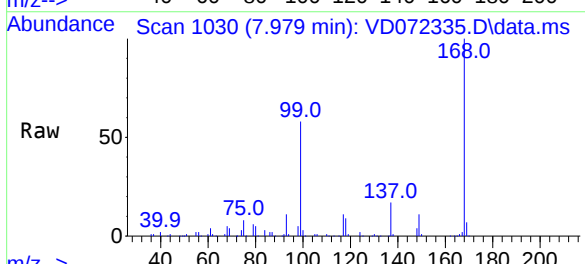
Tgt Ion: 56 Resp: 9708

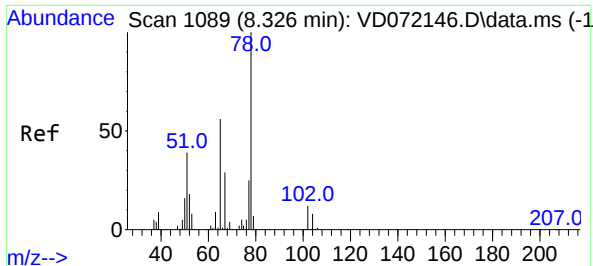
Ion Ratio Lower Upper

56 100

69 171.2 25.4 38.2#

84 108.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.459 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072335.D

Acq: 21 Mar 2022 12:48

Instrument :

MSVOA_D

ClientSampleId :

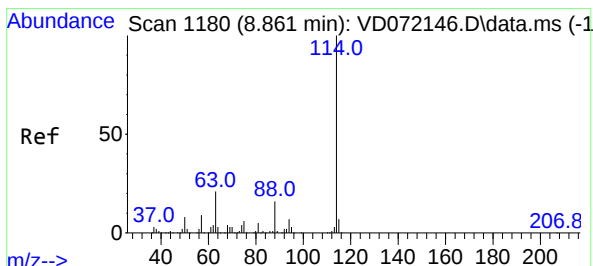
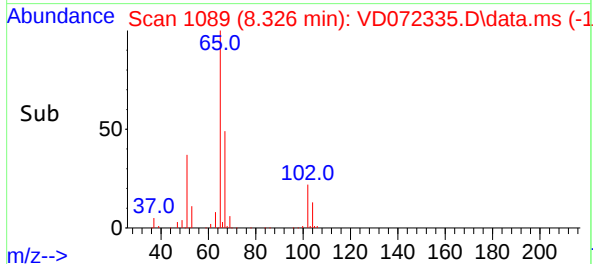
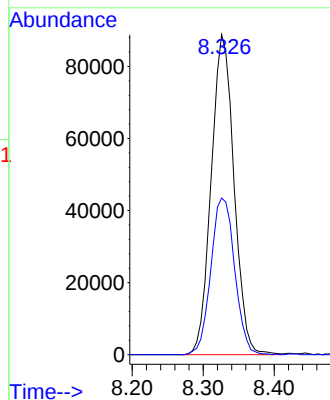
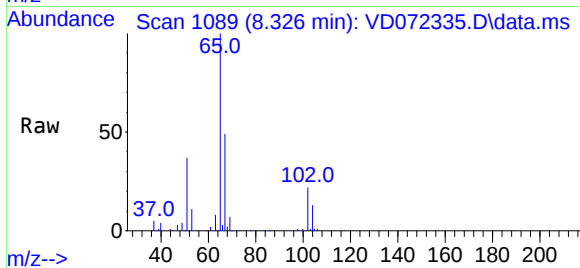
CP-BH1-031422-0-1

Tgt Ion: 65 Resp: 197967

Ion Ratio Lower Upper

65 100

67 51.1 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: VD072335.D

Acq: 21 Mar 2022 12:48

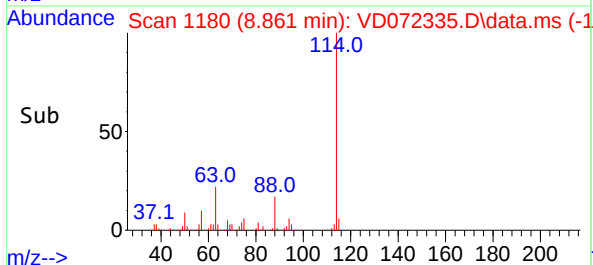
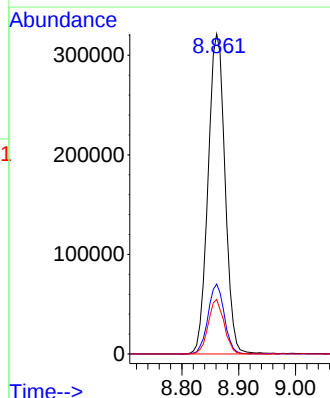
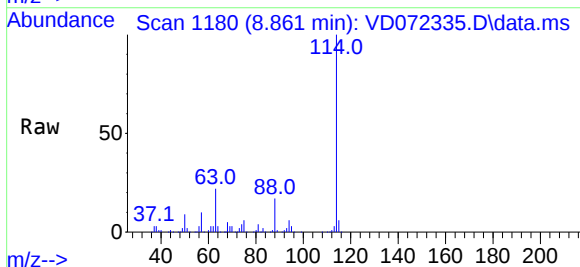
Tgt Ion: 114 Resp: 664308

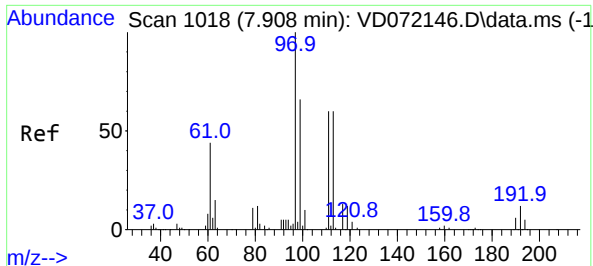
Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.6

88 17.0 0.0 33.2

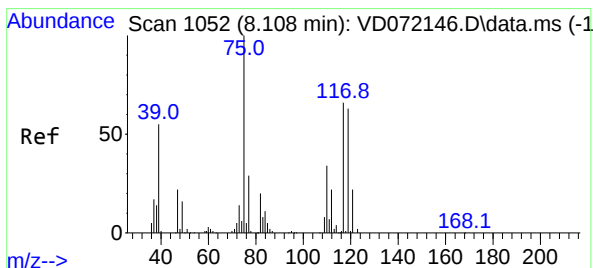
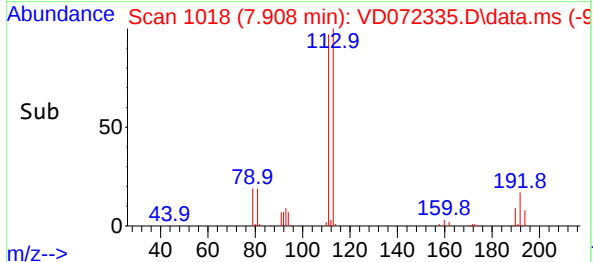
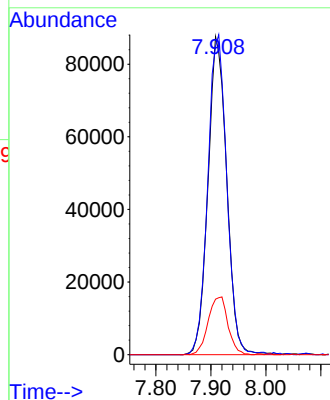
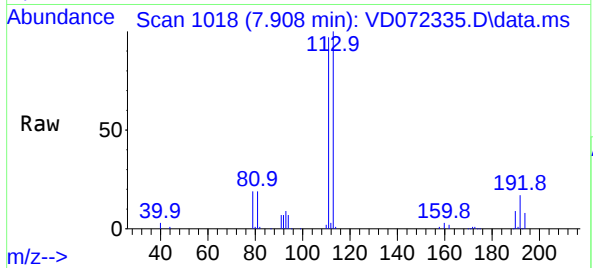




#35
Dibromofluoromethane
Concen: 44.313 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.000 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

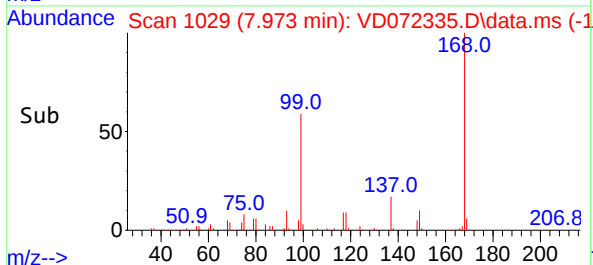
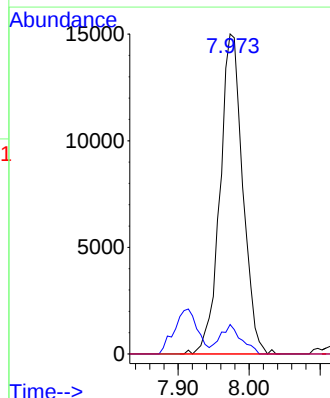
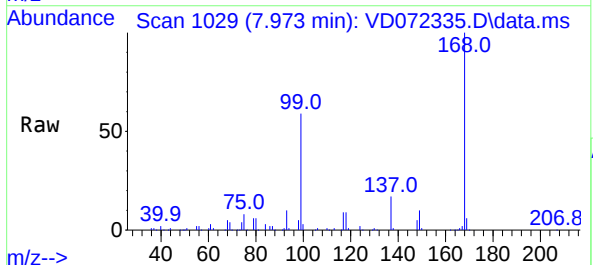
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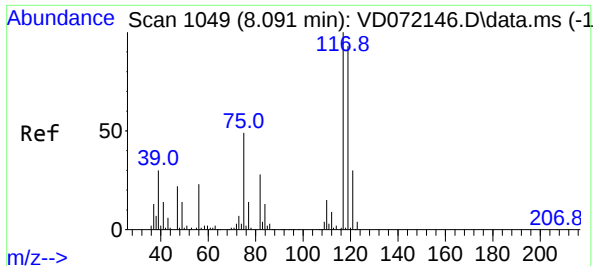
Tgt Ion:113 Resp: 207154
Ion Ratio Lower Upper
113 100
111 102.0 83.8 125.6
192 19.2 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.078 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Tgt Ion: 75 Resp: 33301
Ion Ratio Lower Upper
75 100
110 8.6 16.4 49.1#
77 0.0 24.2 36.2#

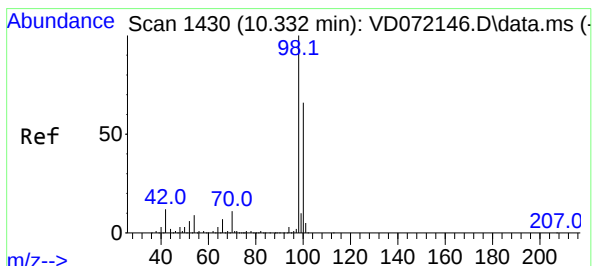
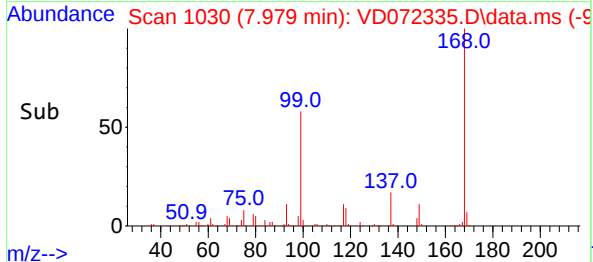
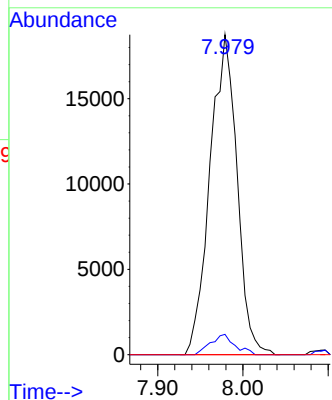
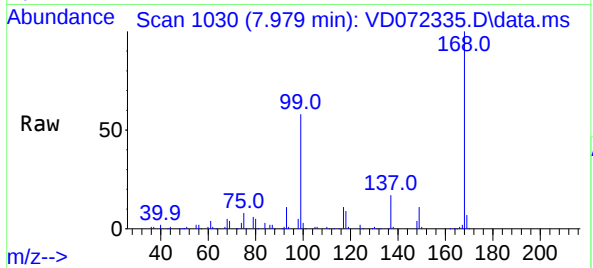




#38
Carbon Tetrachloride
Concen: 5.546 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

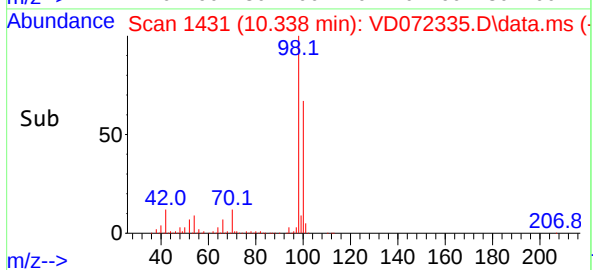
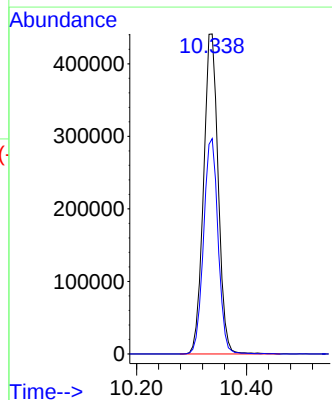
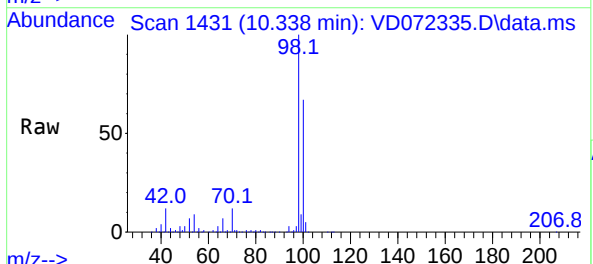
Instrument :
MSVOA_D
ClientSampleId :
CP-BH1-031422-0-1

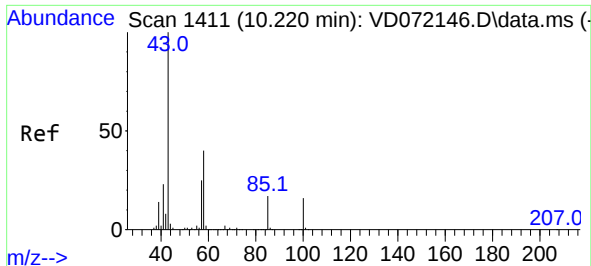
Tgt Ion:117 Resp: 41344
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 47.679 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Tgt Ion: 98 Resp: 814997
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

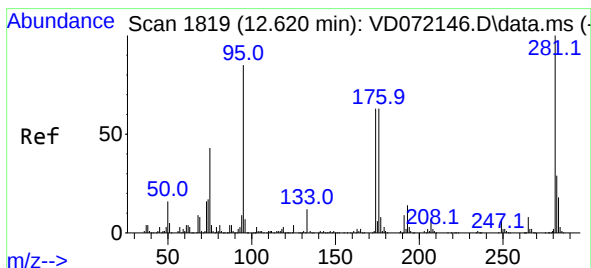
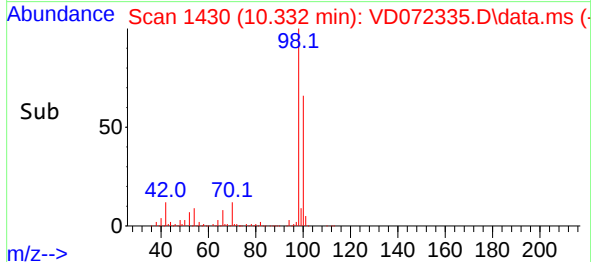
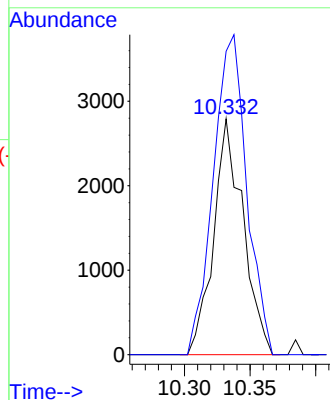
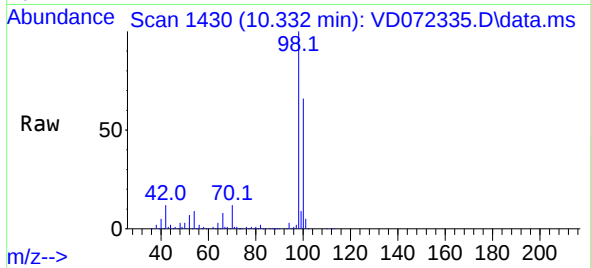




#51
4-Methyl-2-Pentanone
Concen: 1.487 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. 0.112 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

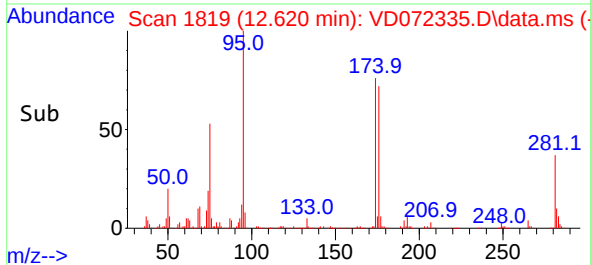
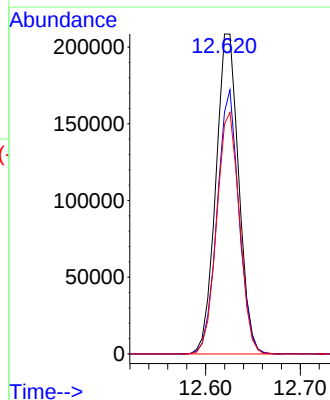
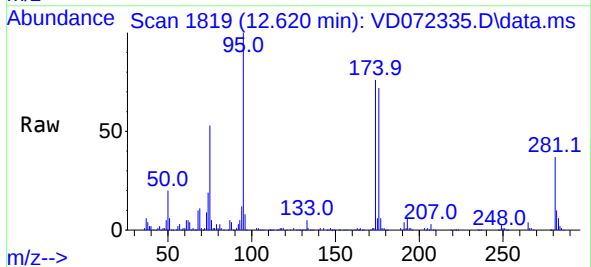
Instrument :
MSVOA_D
ClientSampleId :
CP-BH1-031422-0-1

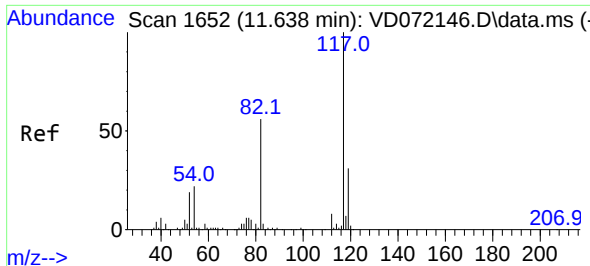
Tgt Ion: 43 Resp: 4356
Ion Ratio Lower Upper
43 100
58 154.3 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 52.770 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Tgt Ion: 95 Resp: 350482
Ion Ratio Lower Upper
95 100
174 78.6 0.0 152.8
176 74.9 0.0 145.4

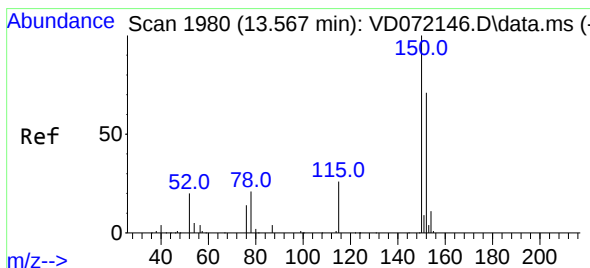
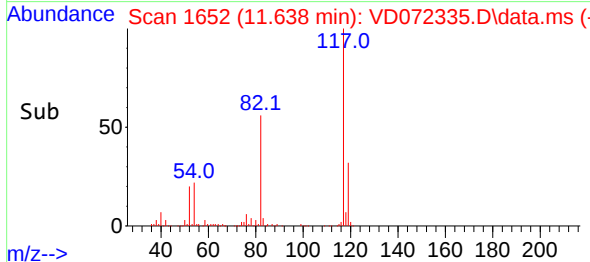
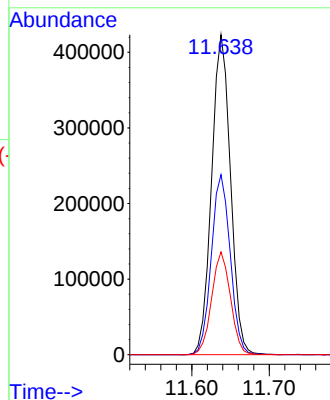
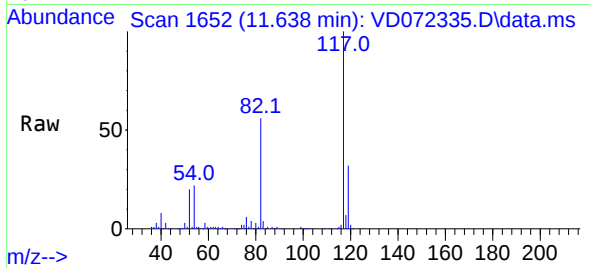




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

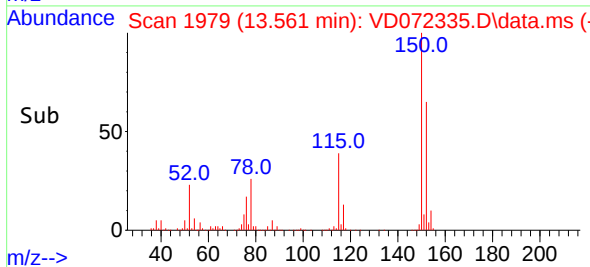
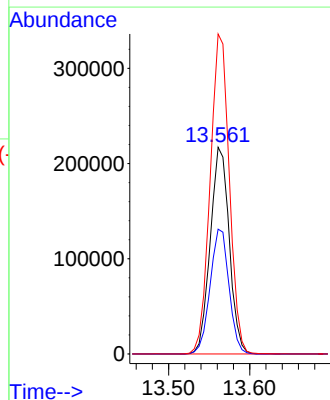
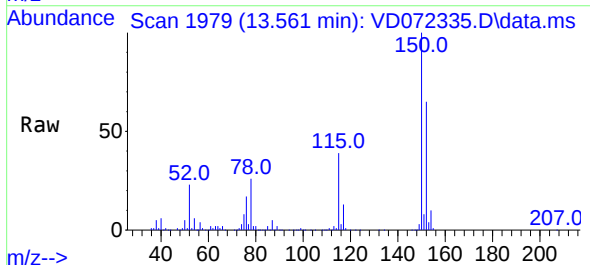
Instrument :
MSVOA_D
ClientSampleId :
CP-BH1-031422-0-1

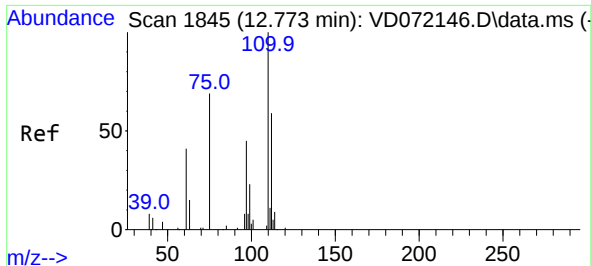
Tgt Ion:117 Resp: 717588
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 32.1 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Tgt Ion:152 Resp: 352840
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 155.7 0.0 348.6

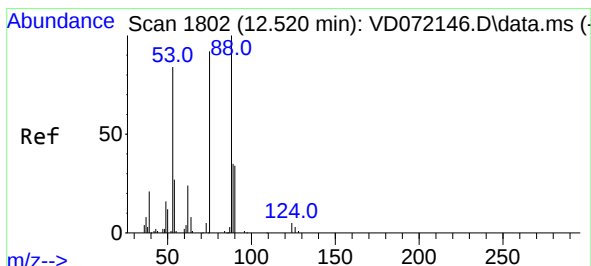
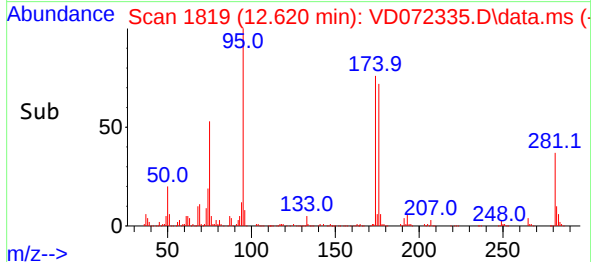
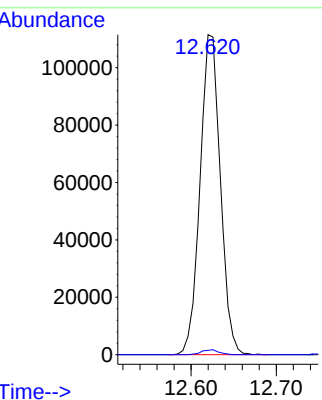
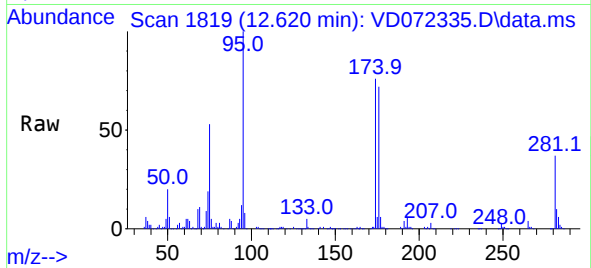




#76
1,2,3-Trichloropropane
Concen: 47.528 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Instrument :
MSVOA_D
ClientSampleId :
CP-BH1-031422-0-1

Tgt Ion: 75 Resp: 184984
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.921 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072335.D
Acq: 21 Mar 2022 12:48

Tgt Ion: 75 Resp: 184984
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.3 33.9 50.9#

