

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072333.D
 Acq On : 21 Mar 2022 11:52
 Operator : VA/SY
 Sample : N1949-01
 Misc : 6.75G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-BH2-031422-2-3

Quant Time: Mar 22 02:10:28 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)

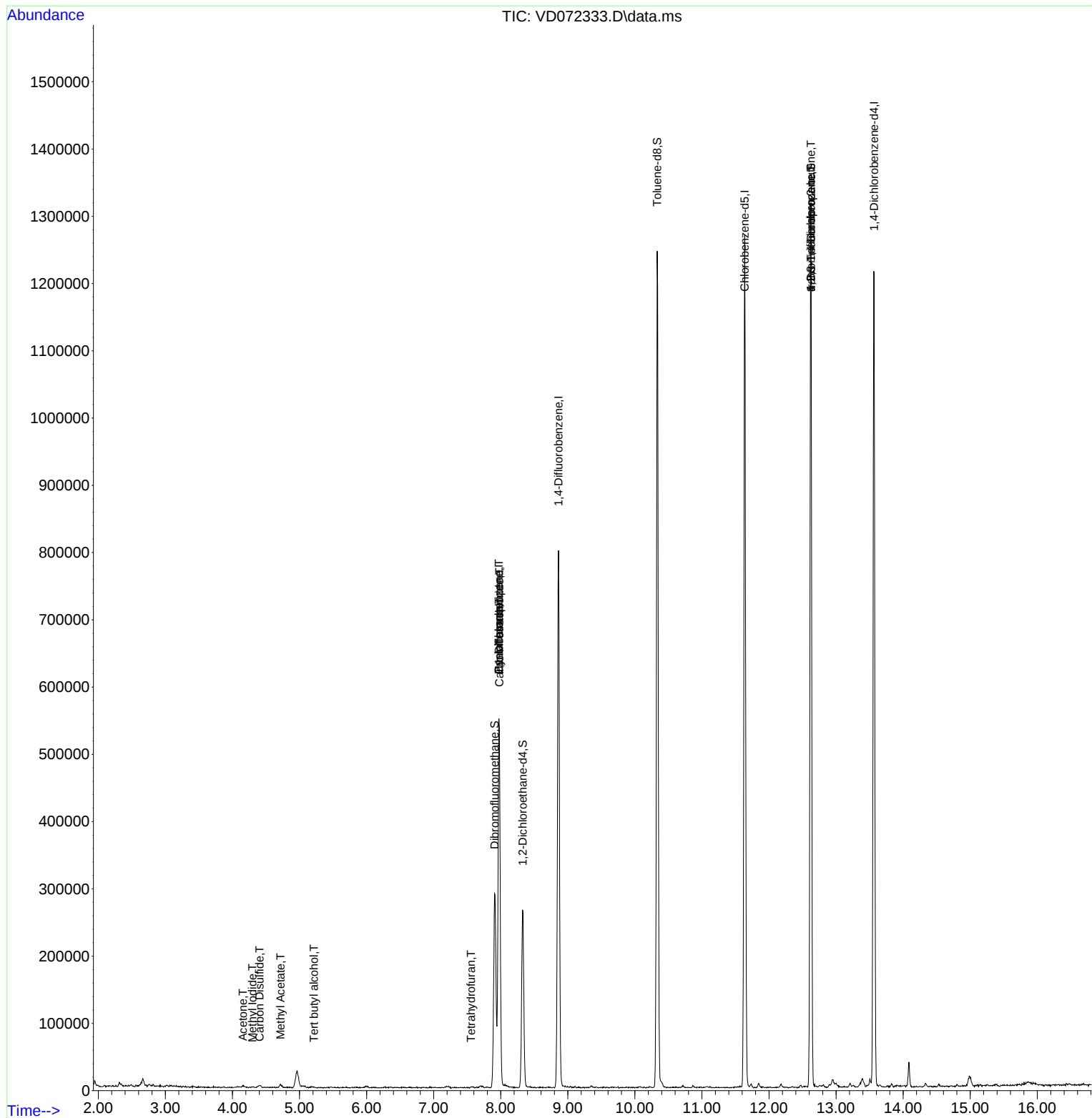
Internal Standards						
1) Pentafluorobenzene	7.973	168	397529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	671116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	724653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	328003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	210394	47.490	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.980%		
35) Dibromofluoromethane	7.909	113	213988	45.311	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.620%		
50) Toluene-d8	10.332	98	833963	48.294	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.626	95	350699	52.267	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.540%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	1547	2.590	ug/l #	83
11) Tert butyl alcohol	5.215	59	276	1.074	ug/l #	74
16) Acetone	4.156	43	3919	4.074	ug/l #	89
17) Carbon Disulfide	4.403	76	6228	2.209	ug/l	98
18) Methyl Acetate	4.715	43	6949	2.948	ug/l	99
20) Methylene Chloride	4.962	84	19459	Below Cal	#	78
29) Tetrahydrofuran	7.556	42	1151	1.526	ug/l #	48
31) Cyclohexane	7.973	56	10200	1.474	ug/l #	2
36) 1,1-Dichloropropene	7.973	75	32868	4.961	ug/l #	51
38) Carbon Tetrachloride	7.979	117	40989	5.443	ug/l #	17
76) 1,2,3-Trichloropropane	12.626	75	182150	50.343	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	182150	124.907	ug/l #	7

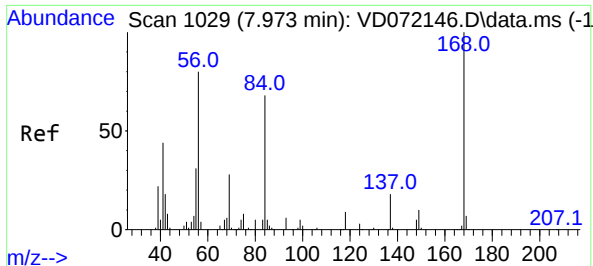
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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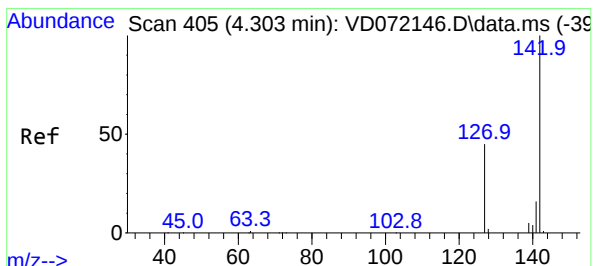
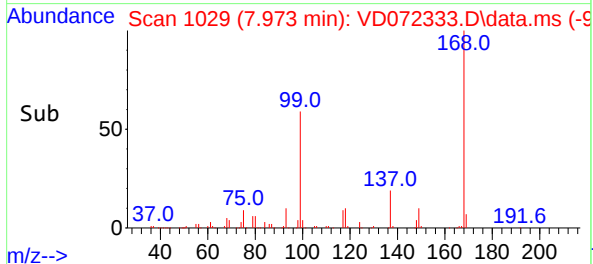
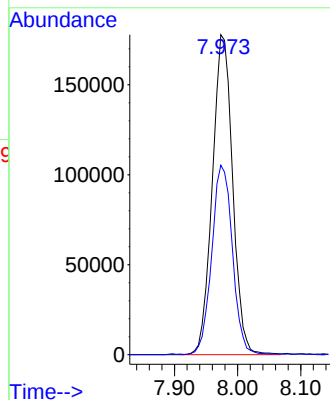
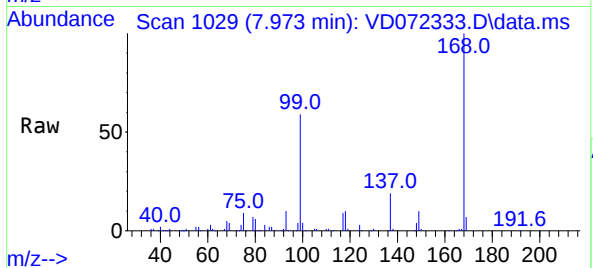




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

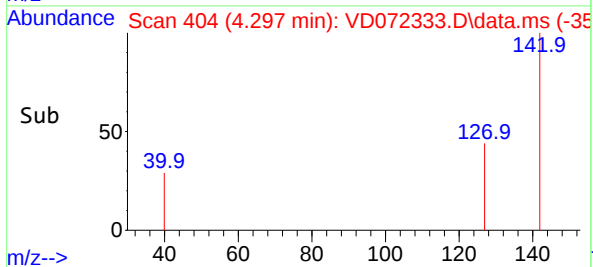
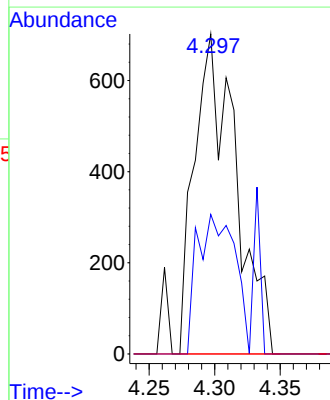
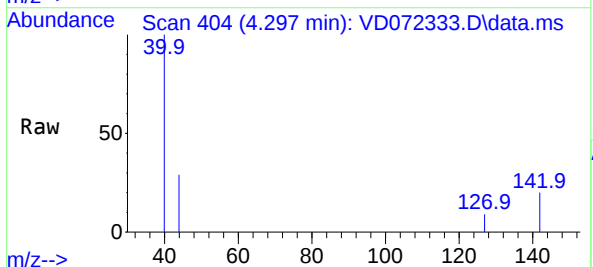
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-2-3

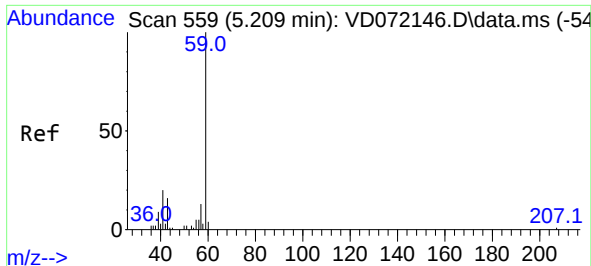
Tgt Ion:168 Resp: 397529
Ion Ratio Lower Upper
168 100
99 59.0 49.8 74.6



#10
Methyl Iodide
Concen: 2.590 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Tgt Ion:142 Resp: 1547
Ion Ratio Lower Upper
142 100
127 39.4 37.3 55.9
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 1.074 ug/l

RT: 5.215 min Scan# 5

Delta R.T. 0.006 min

Lab File: VD072333.D

Acq: 21 Mar 2022 11:52

Instrument :

MSVOA_D

ClientSampleId :

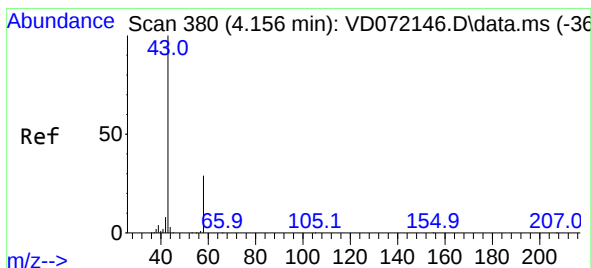
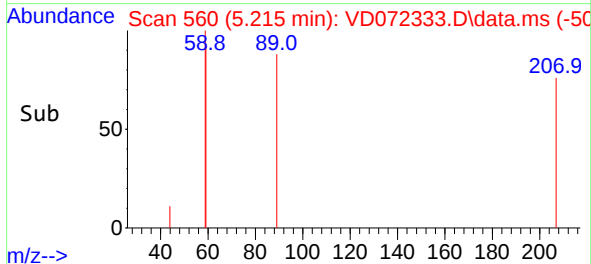
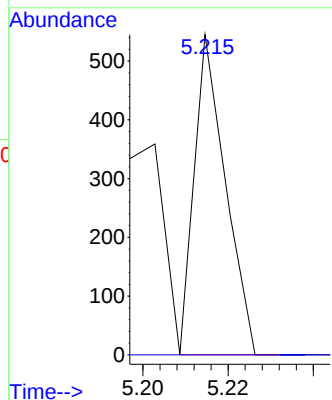
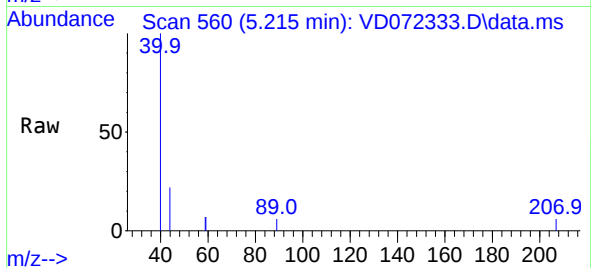
CP-BH2-031422-2-3

Tgt Ion: 59 Resp: 276

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#16

Acetone

Concen: 4.074 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.000 min

Lab File: VD072333.D

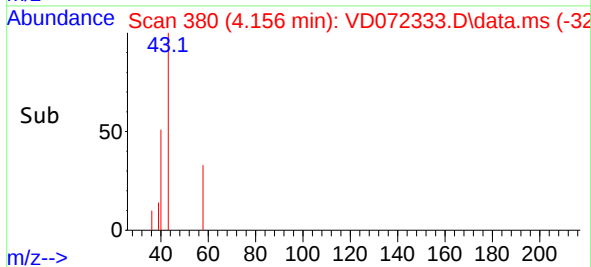
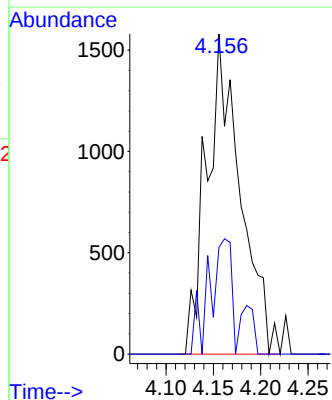
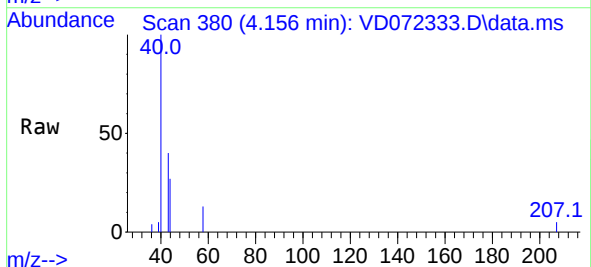
Acq: 21 Mar 2022 11:52

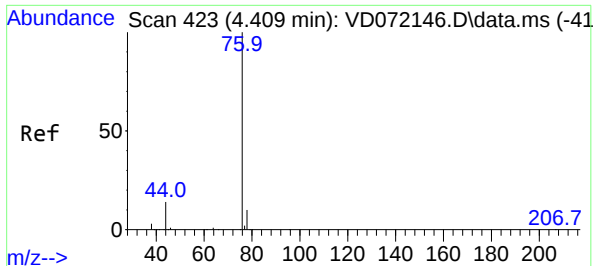
Tgt Ion: 43 Resp: 3919

Ion Ratio Lower Upper

43 100

58 33.3 22.1 33.1#

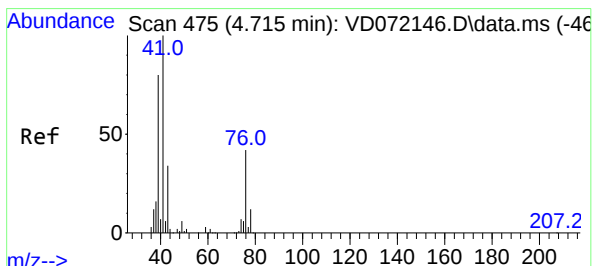
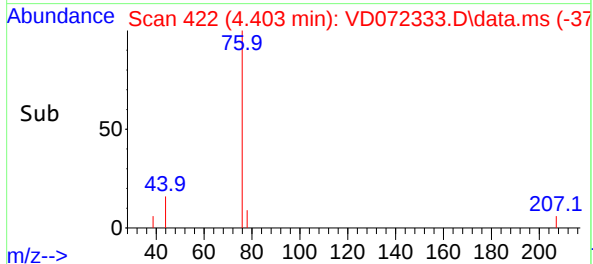
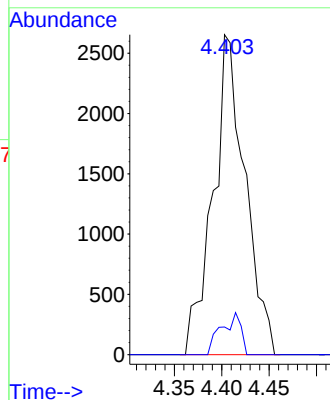
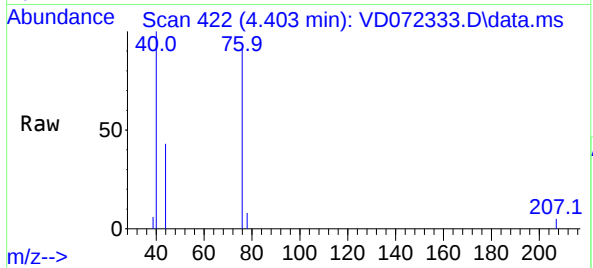




#17
Carbon Disulfide
Concen: 2.209 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

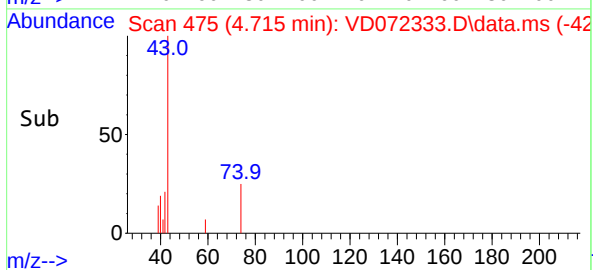
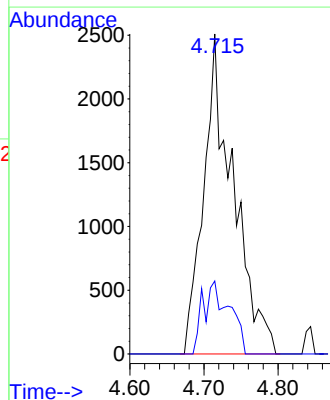
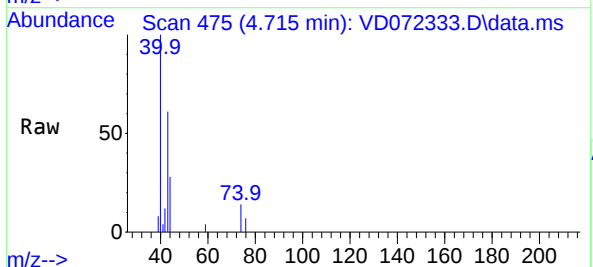
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-2-3

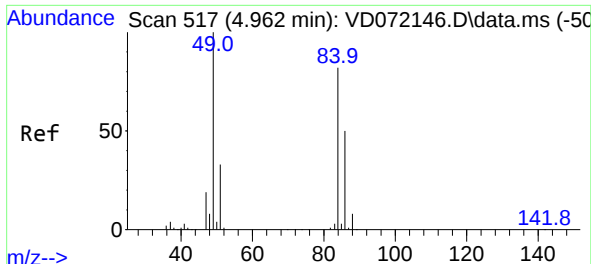
Tgt Ion: 76 Resp: 6228
Ion Ratio Lower Upper
76 100
78 8.6 7.5 11.3



#18
Methyl Acetate
Concen: 2.948 ug/l
RT: 4.715 min Scan# 475
Delta R.T. 0.000 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

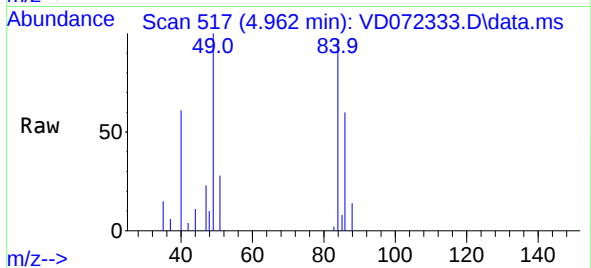
Tgt Ion: 43 Resp: 6949
Ion Ratio Lower Upper
43 100
74 20.3 16.7 25.1



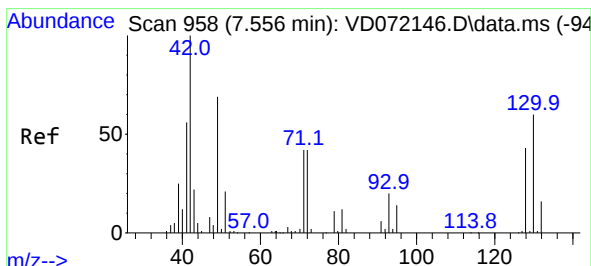
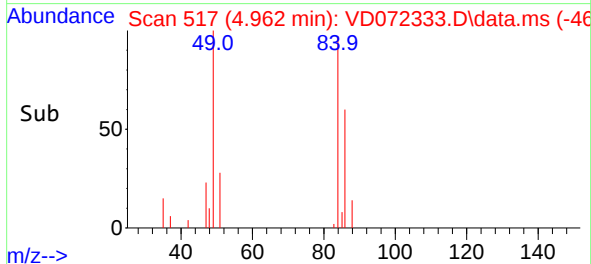
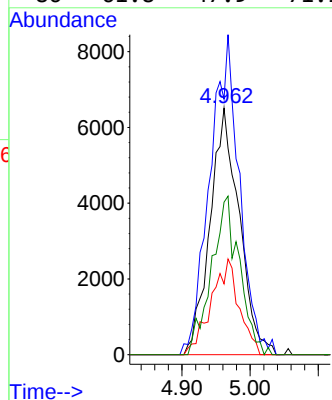


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-2-3

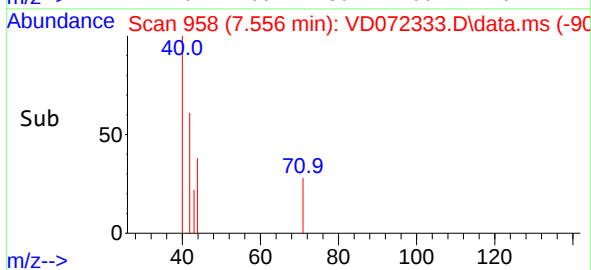
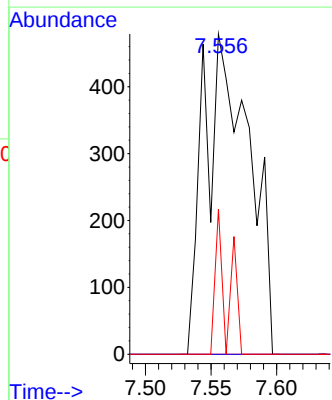
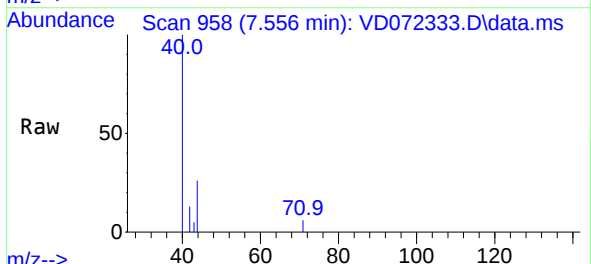


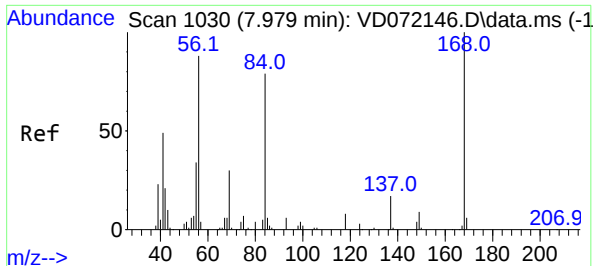
Tgt Ion: 84 Resp: 19459
Ion Ratio Lower Upper
84 100
49 103.6 112.8 169.2#
51 28.7 32.6 48.8#
86 61.8 47.9 71.9



#29
Tetrahydrofuran
Concen: 1.526 ug/l
RT: 7.556 min Scan# 958
Delta R.T. 0.000 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Tgt Ion: 42 Resp: 1151
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 12.1 28.6 43.0#





#31

Cyclohexane

Concen: 1.474 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072333.D

Acq: 21 Mar 2022 11:52

Instrument :

MSVOA_D

ClientSampleId :

CP-BH2-031422-2-3

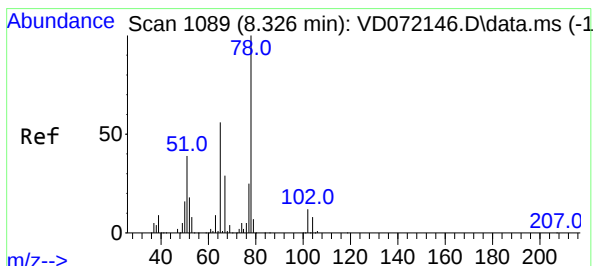
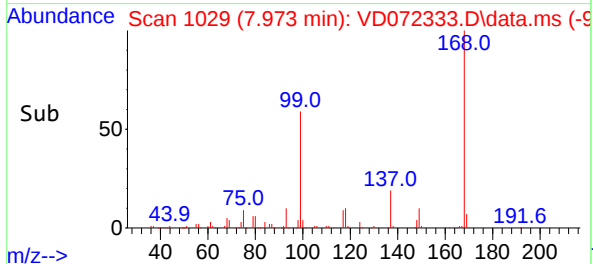
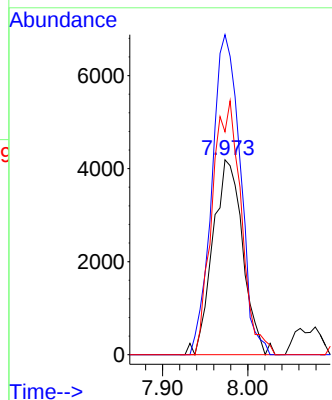
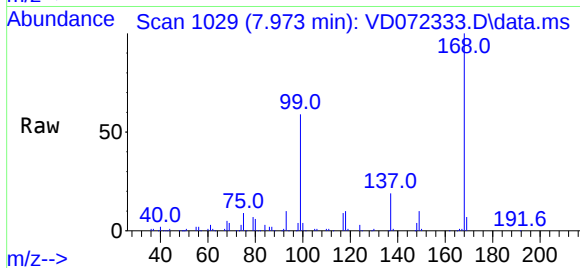
Tgt Ion: 56 Resp: 10200

Ion Ratio Lower Upper

56 100

69 164.3 25.4 38.2#

84 114.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 47.490 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072333.D

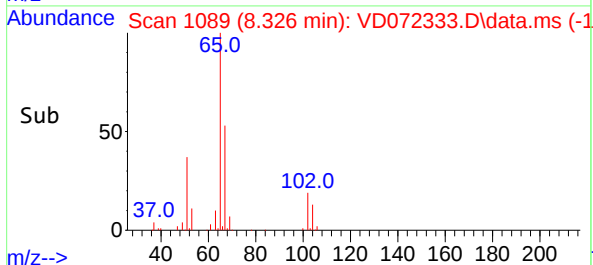
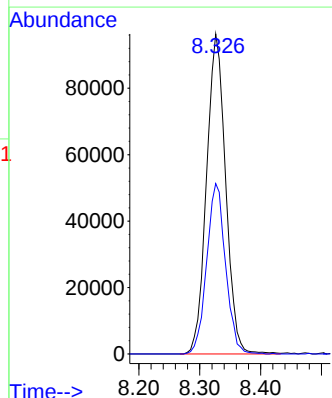
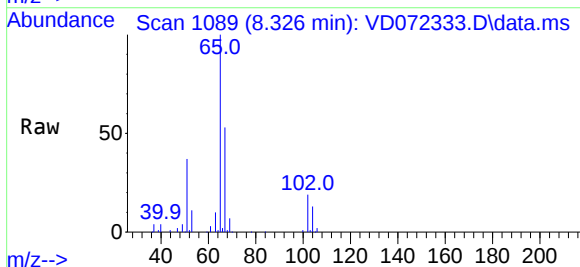
Acq: 21 Mar 2022 11:52

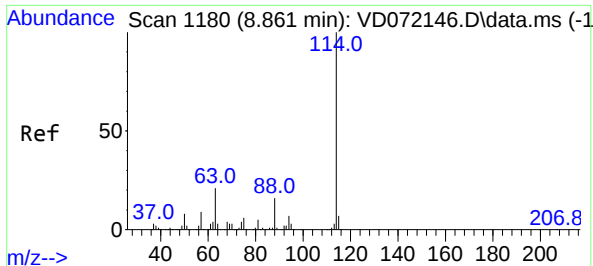
Tgt Ion: 65 Resp: 210394

Ion Ratio Lower Upper

65 100

67 52.4 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: VD072333.D

Acq: 21 Mar 2022 11:52

Instrument :

MSVOA_D

ClientSampleId :

CP-BH2-031422-2-3

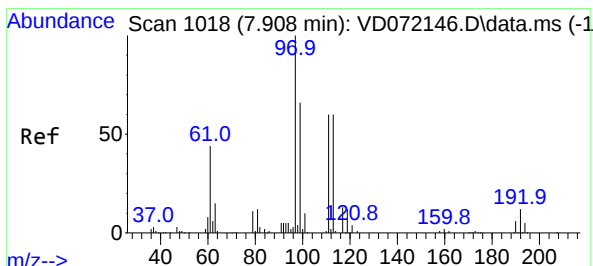
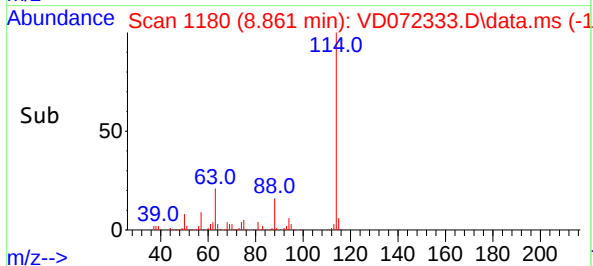
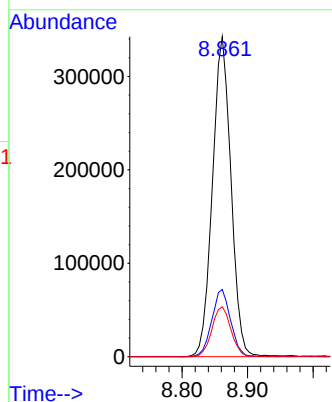
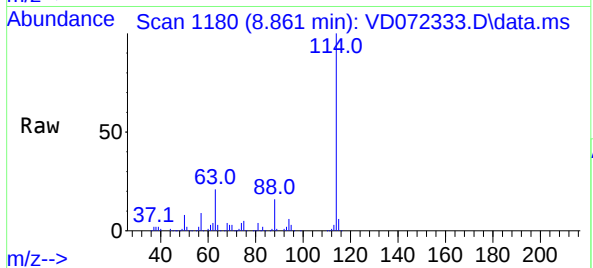
Tgt Ion:114 Resp: 671116

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.311 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072333.D

Acq: 21 Mar 2022 11:52

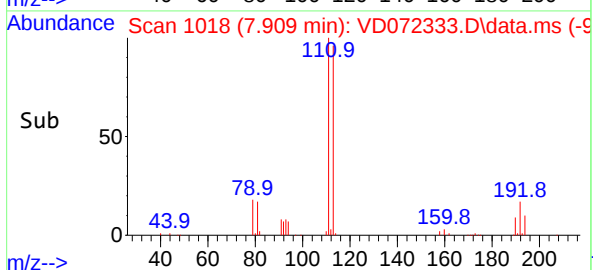
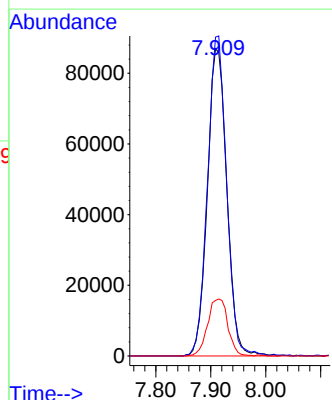
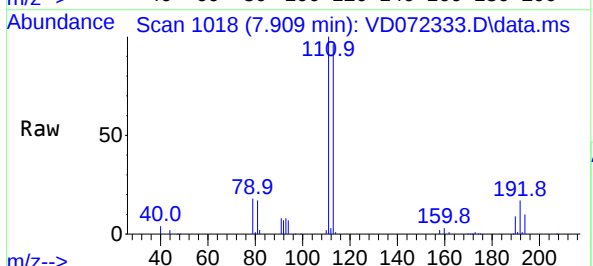
Tgt Ion:113 Resp: 213988

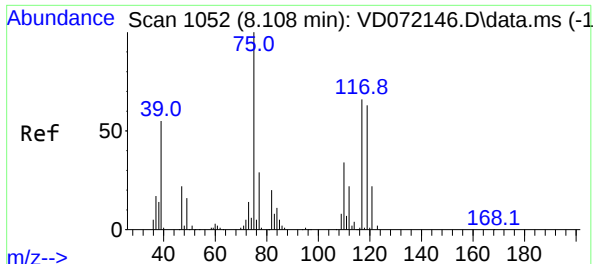
Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 19.3 14.6 21.8

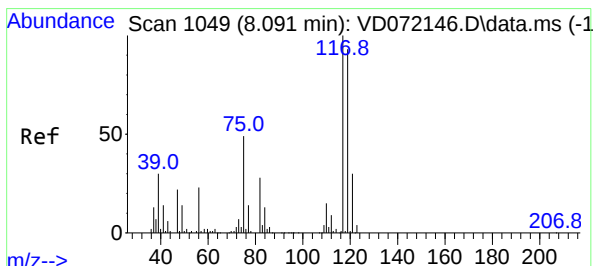
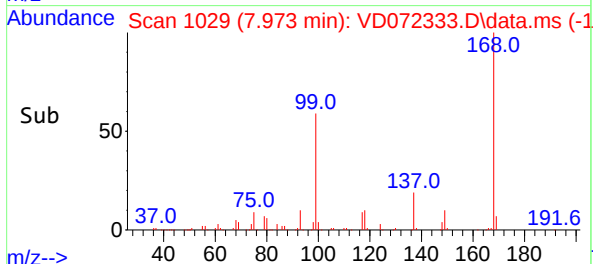
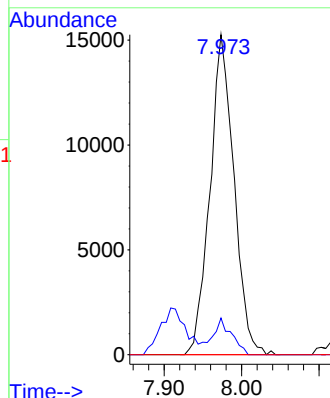
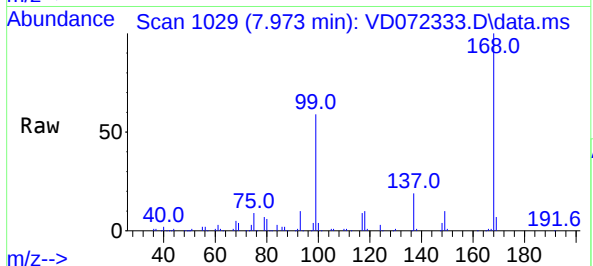




#36
1,1-Dichloropropene
Concen: 4.961 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

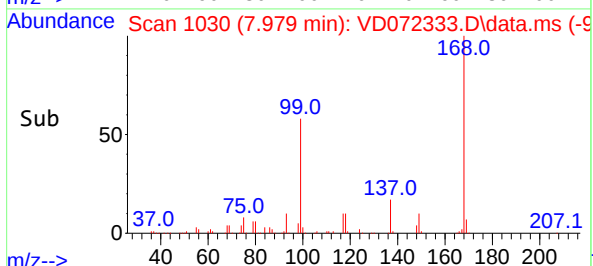
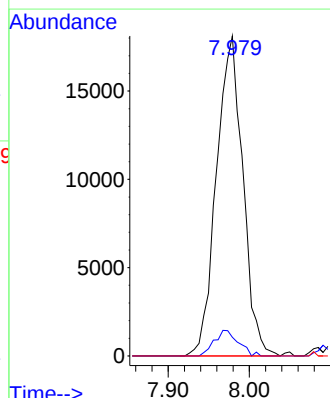
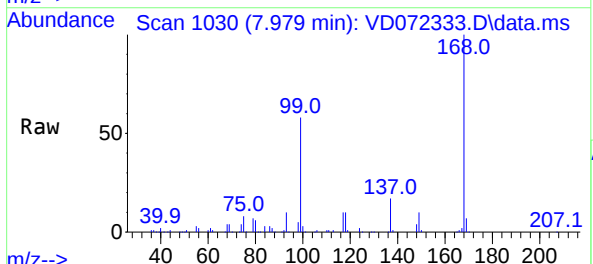
Instrument :
MSVOA_D
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CP-BH2-031422-2-3

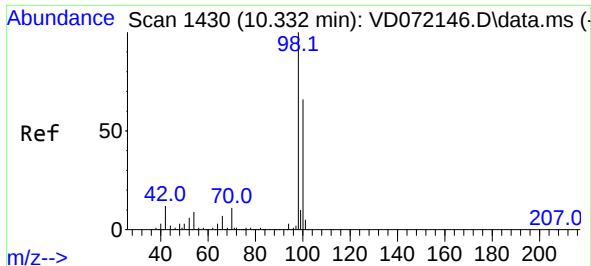
Tgt Ion: 75 Resp: 32868
Ion Ratio Lower Upper
75 100
110 8.1 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Tgt Ion: 117 Resp: 40989
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.6#
121 0.0 24.5 36.7#

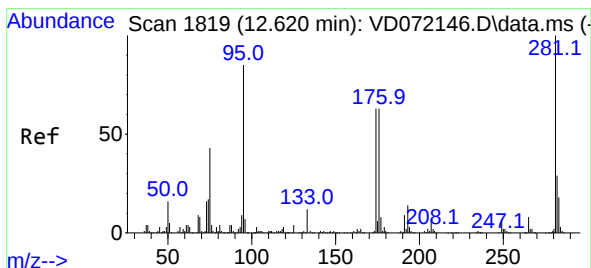
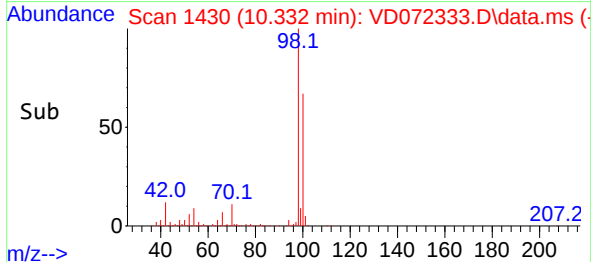
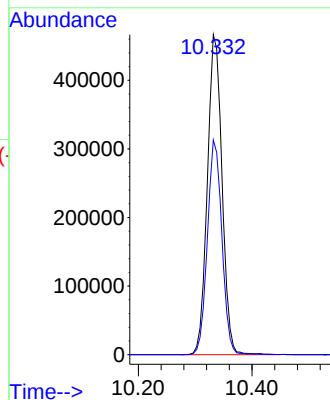
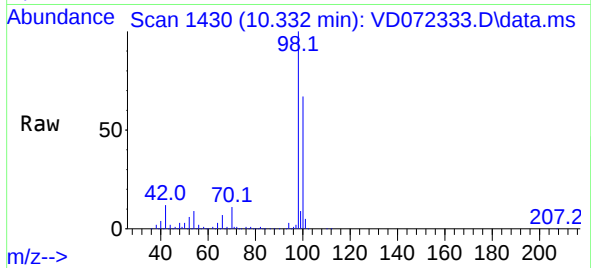




#50
Toluene-d8
Concen: 48.294 ug/l
RT: 10.332 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

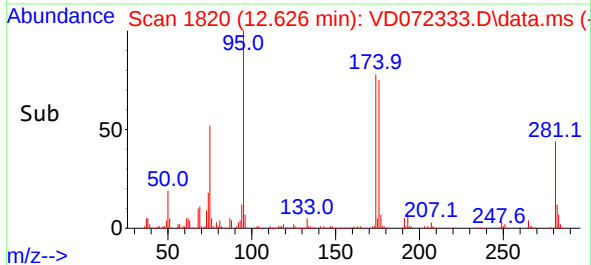
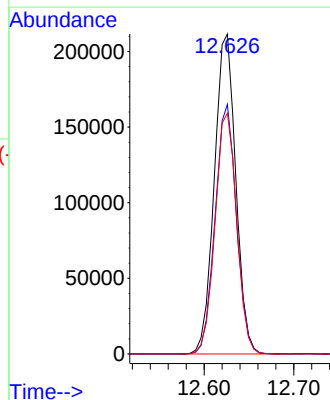
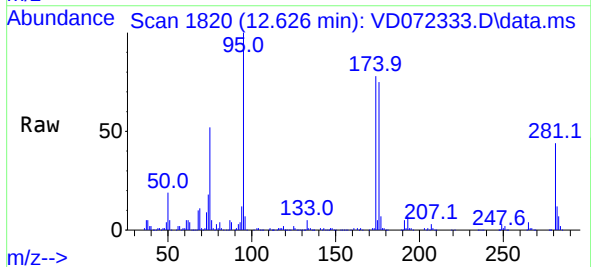
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-2-3

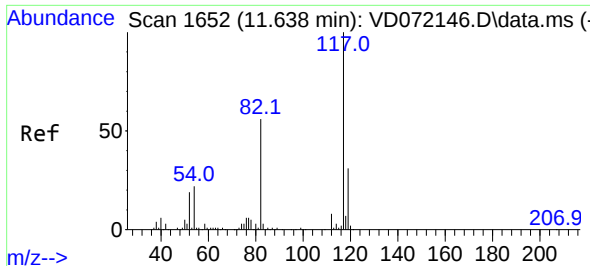
Tgt Ion: 98 Resp: 833963
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 52.267 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Tgt Ion: 95 Resp: 350699
Ion Ratio Lower Upper
95 100
174 77.6 0.0 152.8
176 75.7 0.0 145.4

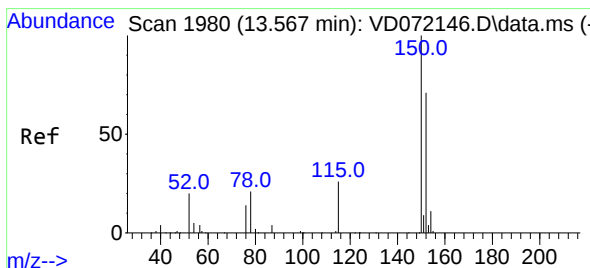
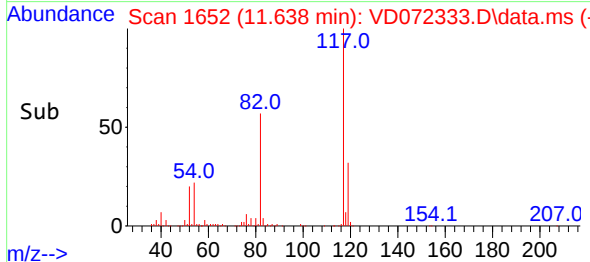
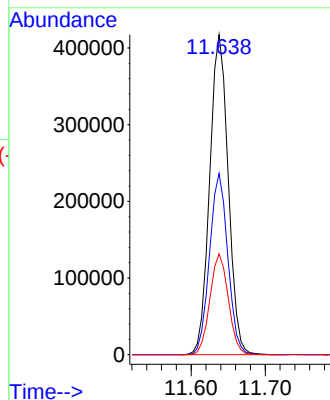
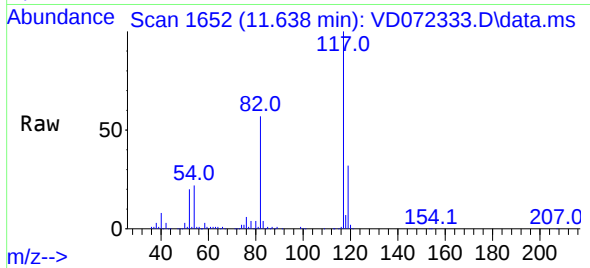




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

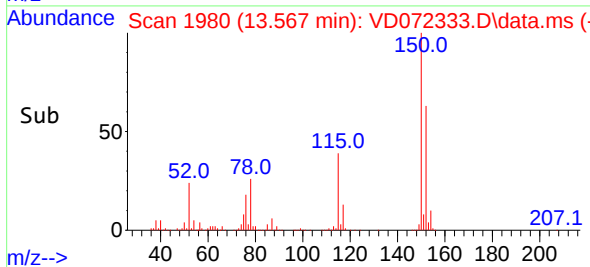
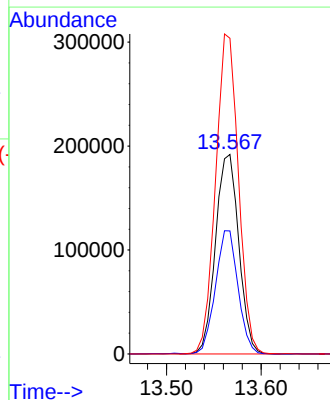
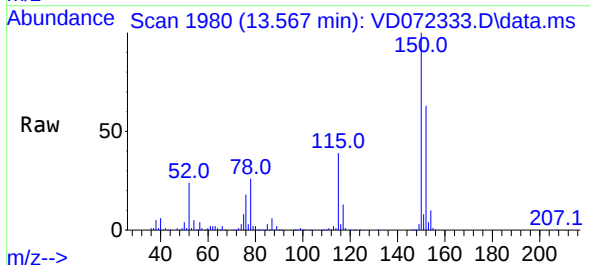
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-2-3

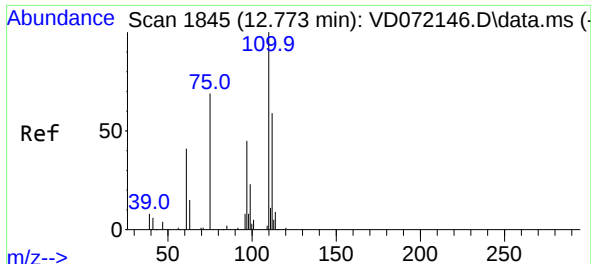
Tgt Ion:117 Resp: 724653
Ion Ratio Lower Upper
117 100
82 56.6 45.3 67.9
119 31.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Tgt Ion:152 Resp: 328003
Ion Ratio Lower Upper
152 100
115 60.1 31.3 93.8
150 157.4 0.0 348.6

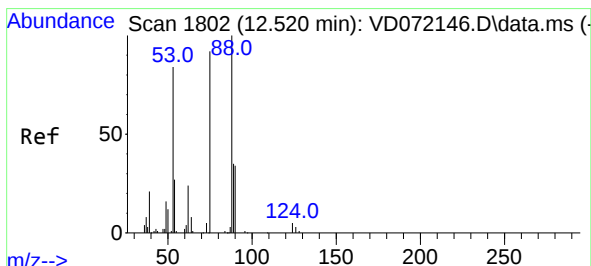
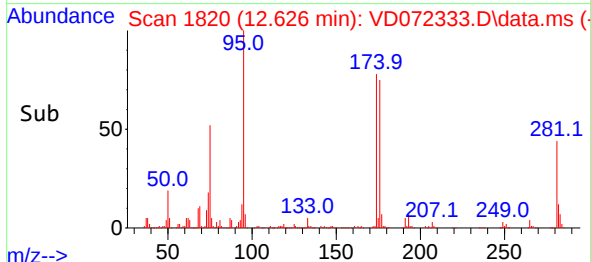
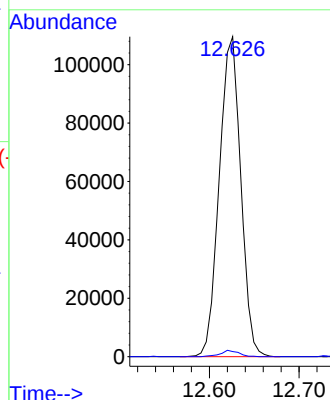
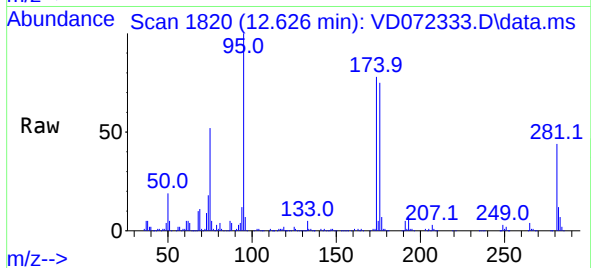




#76
1,2,3-Trichloropropane
Concen: 50.343 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-2-3

Tgt Ion: 75 Resp: 182150
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.907 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072333.D
Acq: 21 Mar 2022 11:52

Tgt Ion: 75 Resp: 182150
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.6 33.9 50.9#

