

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072334.D
 Acq On : 21 Mar 2022 12:20
 Operator : VA/SY
 Sample : N1949-02
 Misc : 5.25G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CP-BH2-031422-5-6

Quant Time: Mar 22 02:10:41 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)

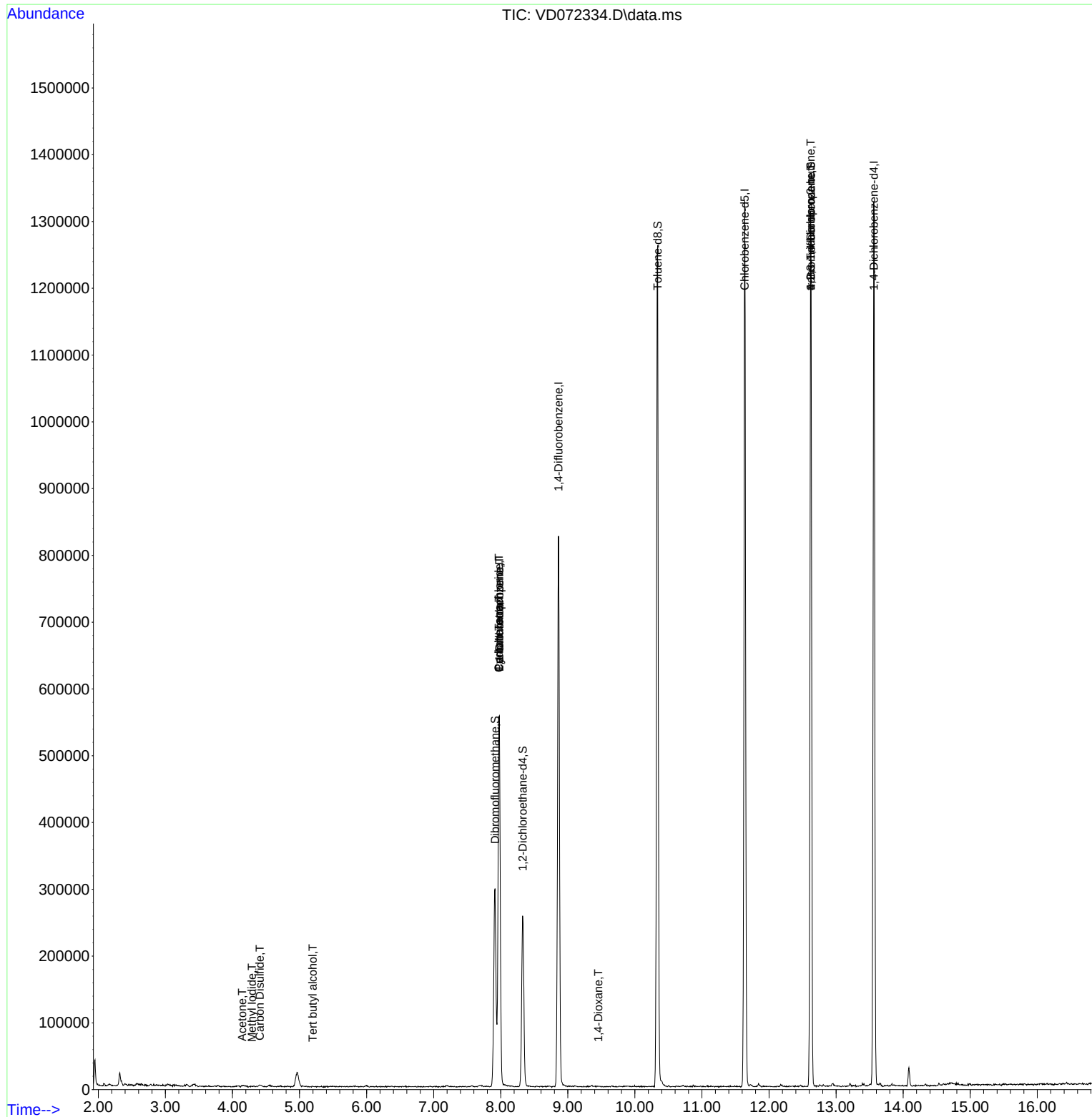
Internal Standards						
1) Pentafluorobenzene	7.979	168	406922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	681995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	734676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	354262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207040	45.655	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.300%
35) Dibromofluoromethane	7.914	113	214534	44.702	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.400%
50) Toluene-d8	10.338	98	843975	48.094	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.180%
62) 4-Bromofluorobenzene	12.626	95	360774	52.911	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.820%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	142	2.259	ug/l #	1
11) Tert butyl alcohol	5.197	59	268	1.019	ug/l #	74
16) Acetone	4.144	43	1140	1.158	ug/l #	47
17) Carbon Disulfide	4.409	76	4742	2.028	ug/l	96
20) Methylene Chloride	4.968	84	16521	Below Cal		88
31) Cyclohexane	7.973	56	9775	1.380	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	34389	5.108	ug/l #	52
38) Carbon Tetrachloride	7.973	117	42336	5.532	ug/l #	17
49) 1,4-Dioxane	9.456	88	56	1.802	ug/l #	7
76) 1,2,3-Trichloropropane	12.620	75	188288	48.182	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	188288	119.545	ug/l #	7

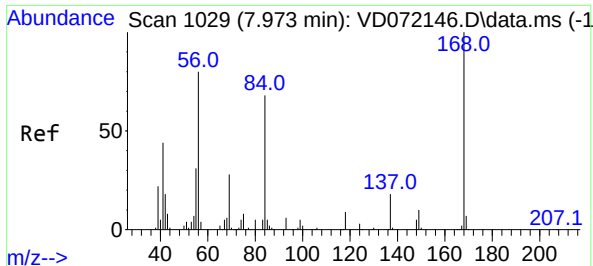
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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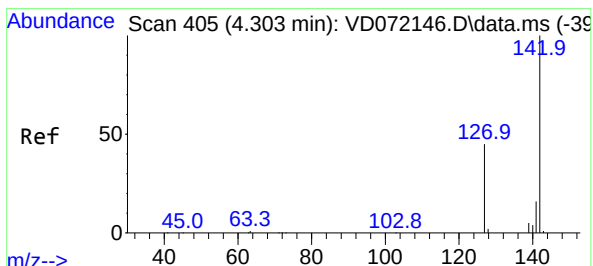
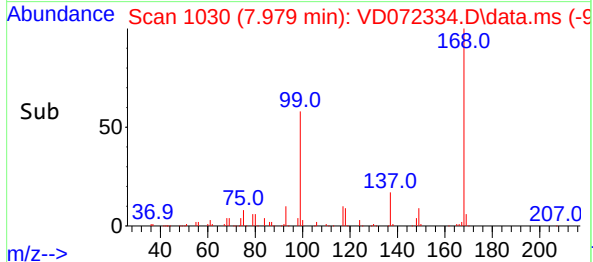
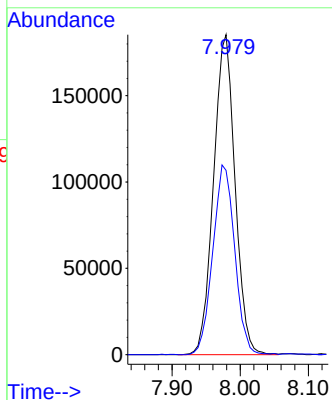
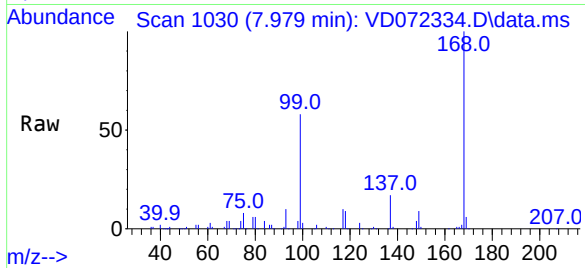




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

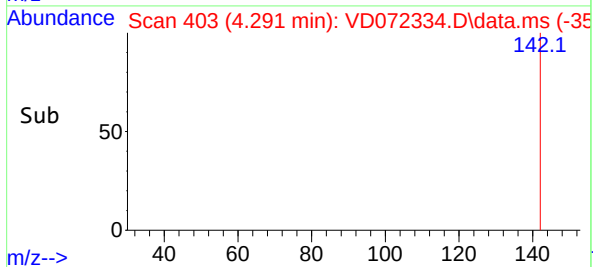
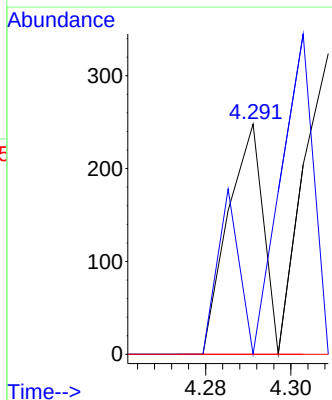
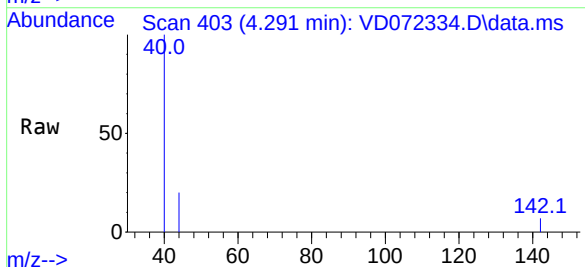
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-5-6

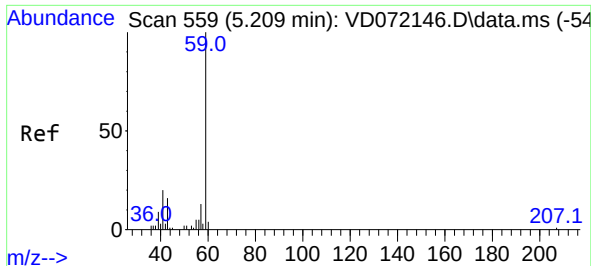
Tgt Ion:168 Resp: 406922
Ion Ratio Lower Upper
168 100
99 57.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.259 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

Tgt Ion:142 Resp: 142
Ion Ratio Lower Upper
142 100
127 173.2 37.3 55.9#
141 0.0 11.7 17.5#

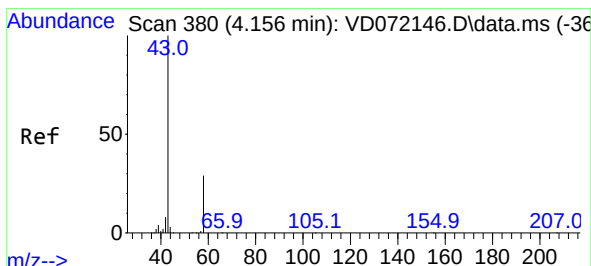
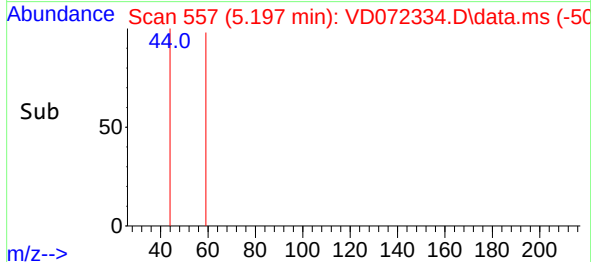
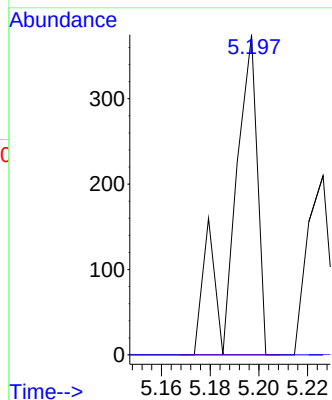
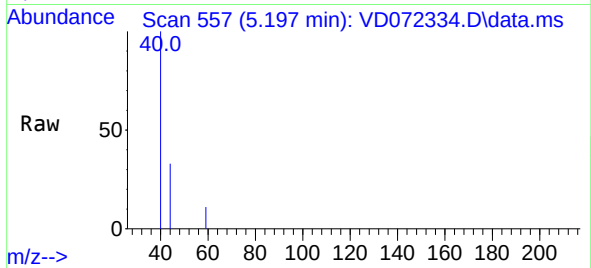




#11
Tert butyl alcohol
Concen: 1.019 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

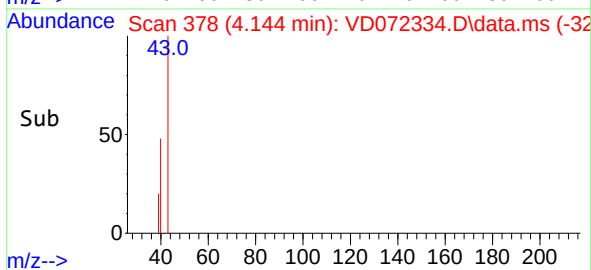
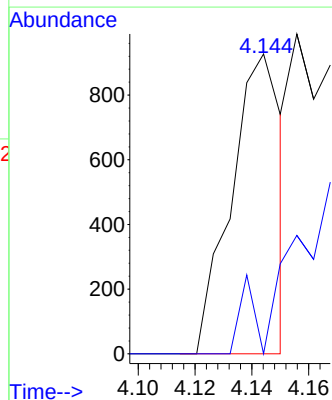
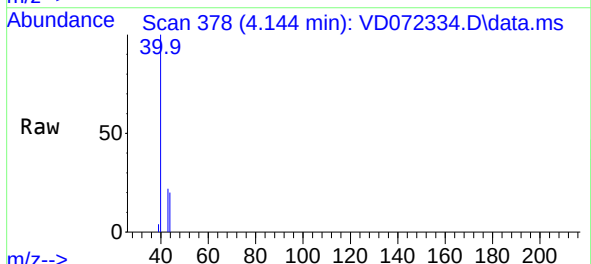
Instrument :
MSVOA_D
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CP-BH2-031422-5-6

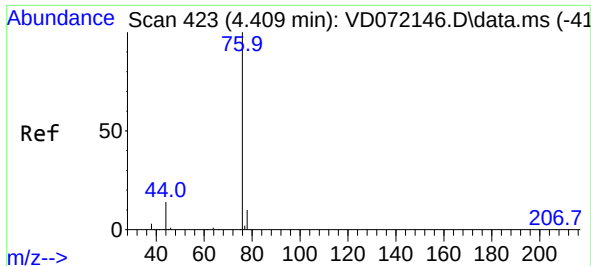
Tgt Ion: 59 Resp: 268
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.158 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

Tgt Ion: 43 Resp: 1140
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

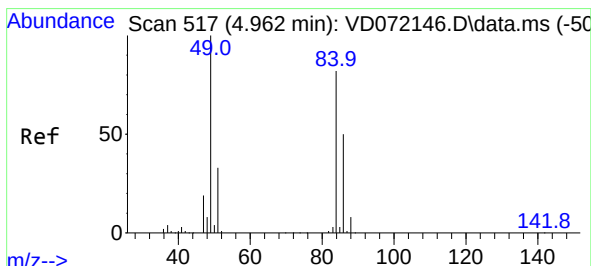
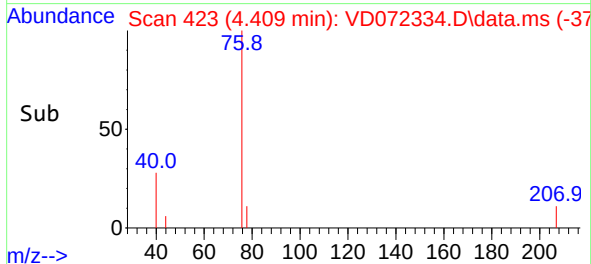
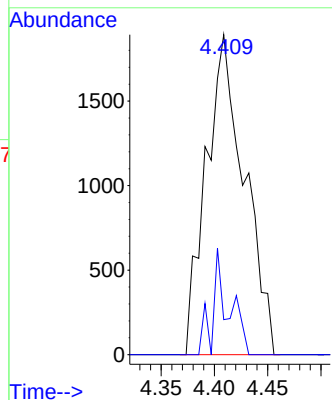
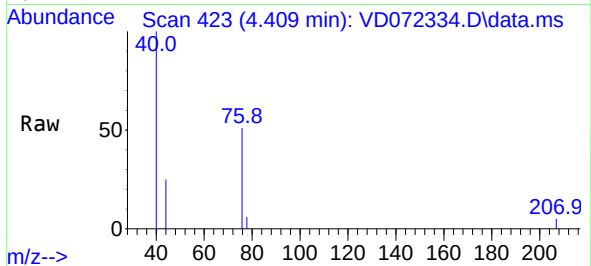




#17
Carbon Disulfide
Concen: 2.028 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

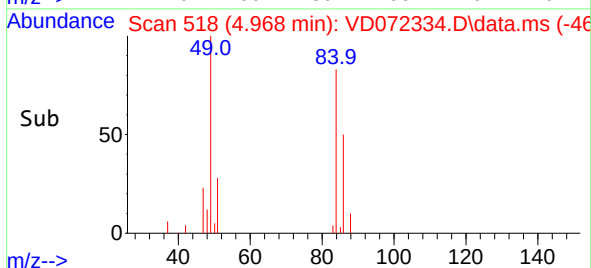
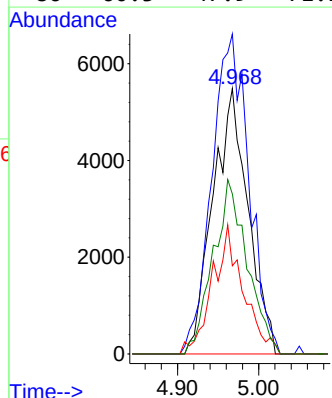
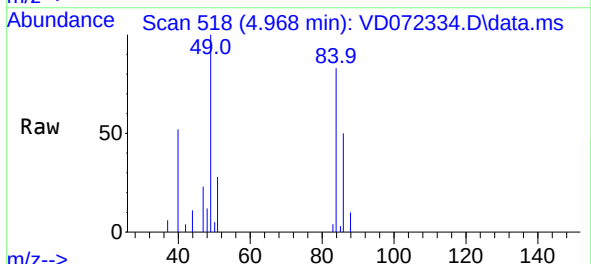
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-5-6

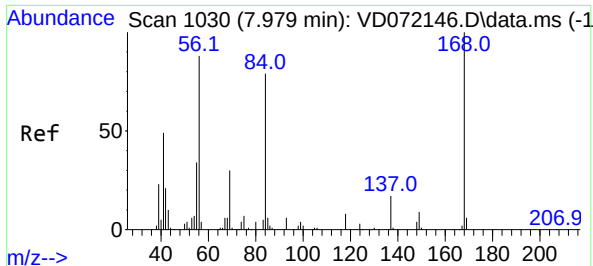
Tgt Ion: 76 Resp: 4742
Ion Ratio Lower Upper
76 100
78 10.9 7.5 11.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

Tgt Ion: 84 Resp: 16521
Ion Ratio Lower Upper
84 100
49 120.5 112.8 169.2
51 33.2 32.6 48.8
86 60.3 47.9 71.9





#31

Cyclohexane

Concen: 1.380 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072334.D

Acq: 21 Mar 2022 12:20

Instrument :

MSVOA_D

ClientSampleId :

CP-BH2-031422-5-6

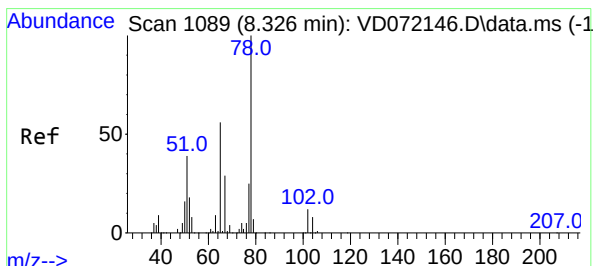
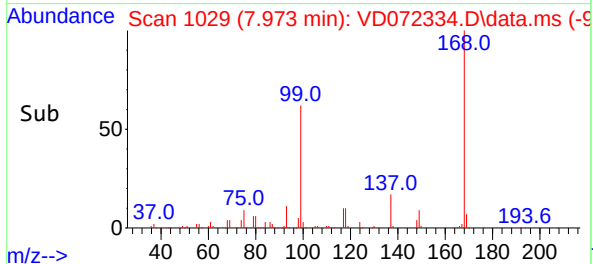
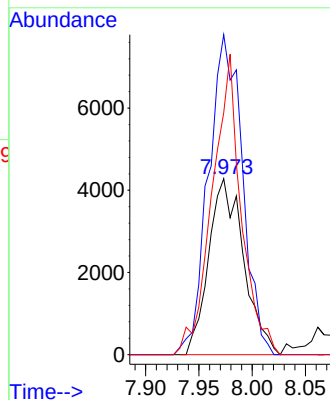
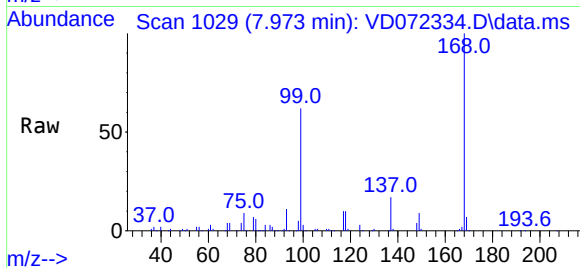
Tgt Ion: 56 Resp: 9775

Ion Ratio Lower Upper

56 100

69 181.9 25.4 38.2#

84 137.5 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 45.655 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072334.D

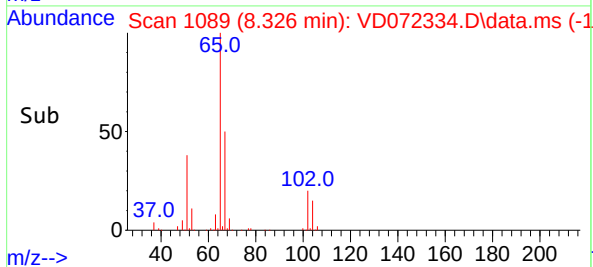
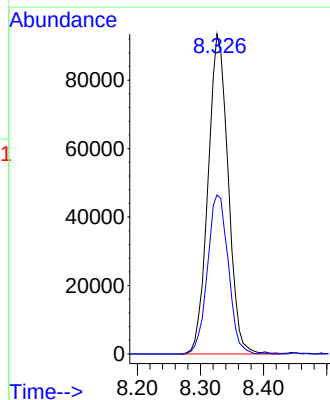
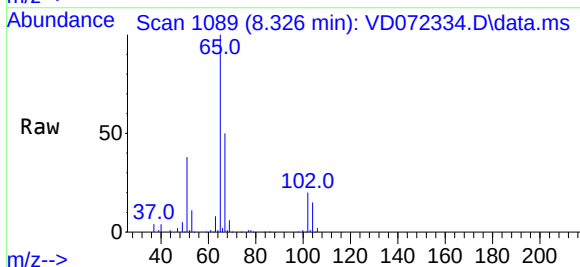
Acq: 21 Mar 2022 12:20

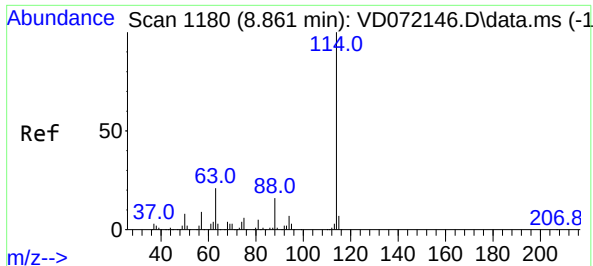
Tgt Ion: 65 Resp: 207040

Ion Ratio Lower Upper

65 100

67 51.3 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: VD072334.D

Acq: 21 Mar 2022 12:20

Instrument :

MSVOA_D

ClientSampleId :

CP-BH2-031422-5-6

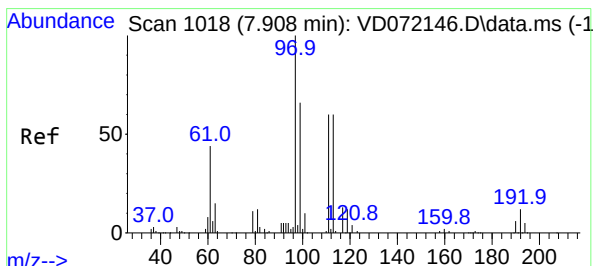
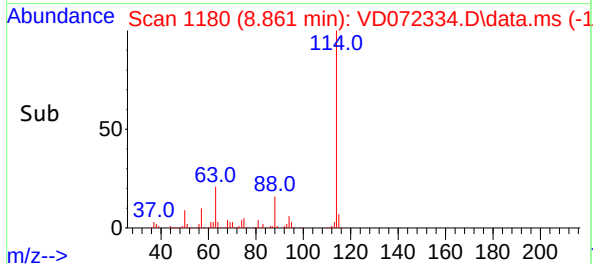
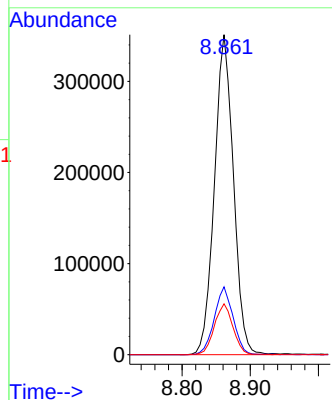
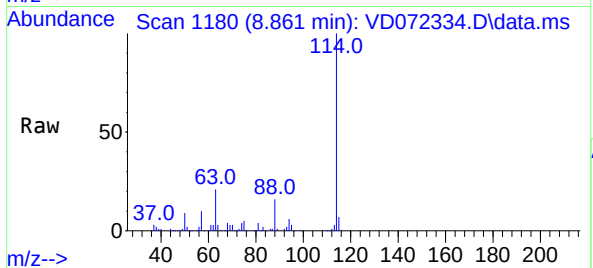
Tgt Ion:114 Resp: 681995

Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.702 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072334.D

Acq: 21 Mar 2022 12:20

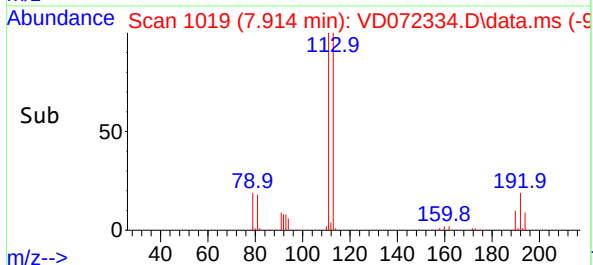
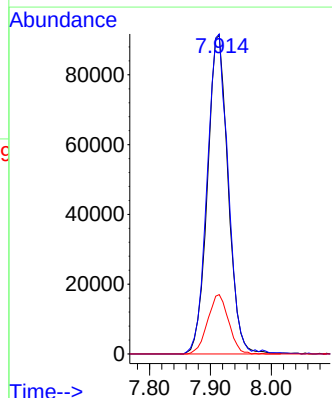
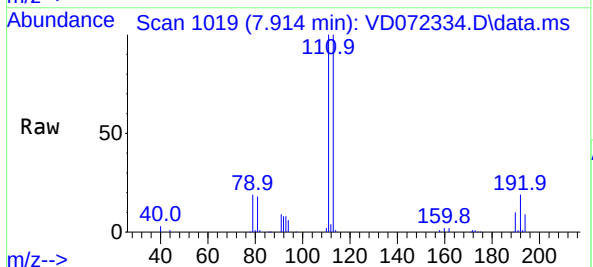
Tgt Ion:113 Resp: 214534

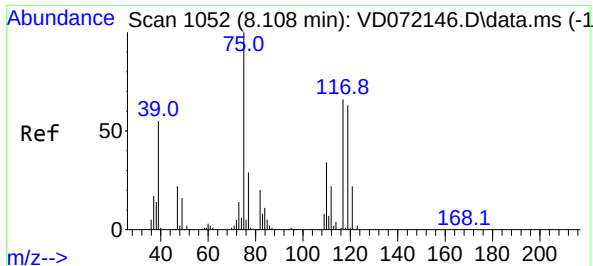
Ion Ratio Lower Upper

113 100

111 102.5 83.8 125.6

192 18.9 14.6 21.8

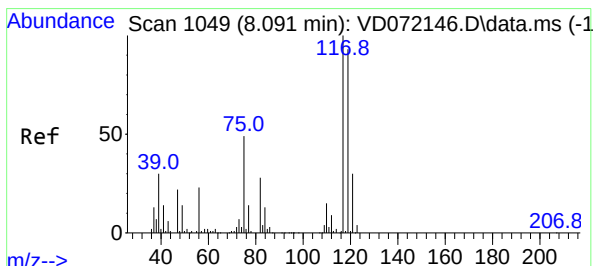
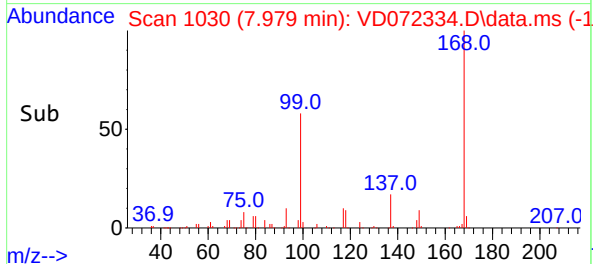
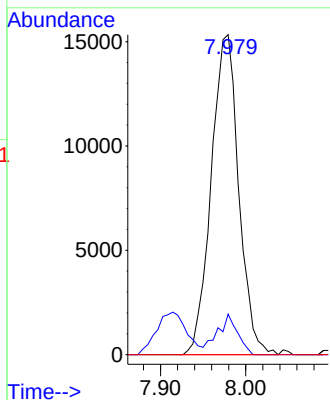
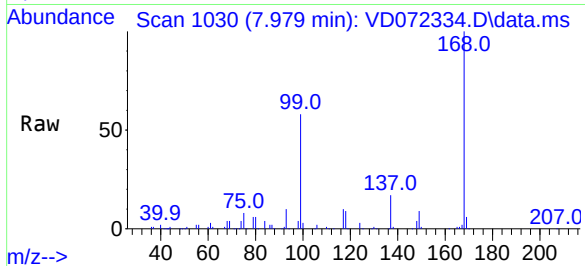




#36
1,1-Dichloropropene
Concen: 5.108 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

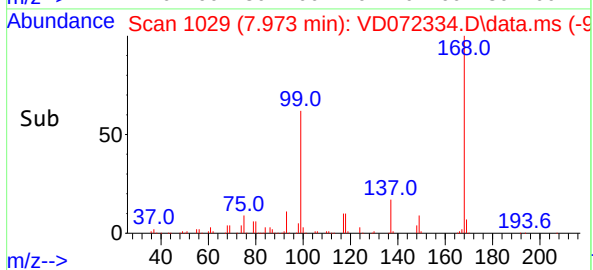
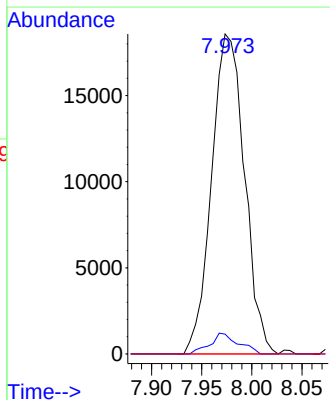
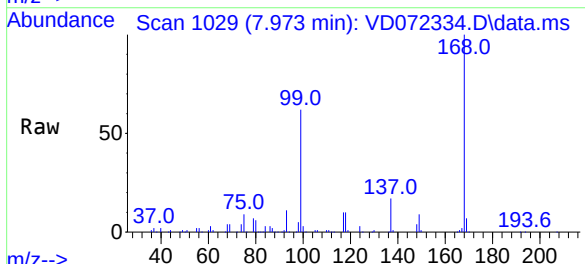
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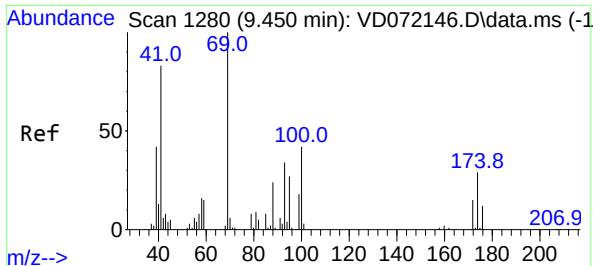
Tgt Ion: 75 Resp: 34389
Ion Ratio Lower Upper
75 100
110 9.3 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.532 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

Tgt Ion: 117 Resp: 42336
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.6#
121 0.0 24.5 36.7#

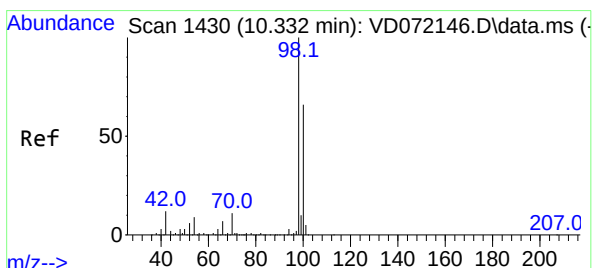
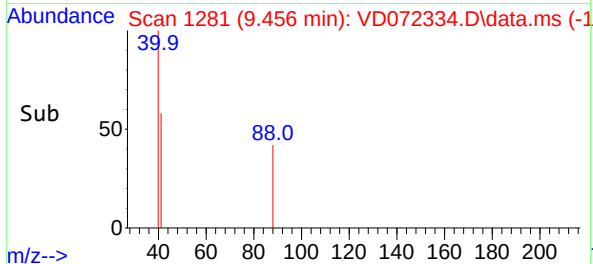
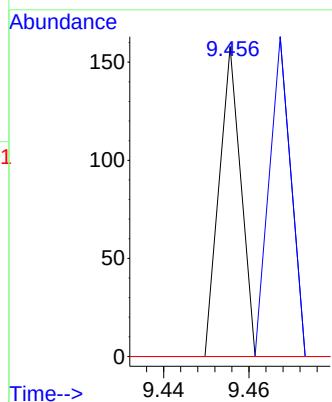
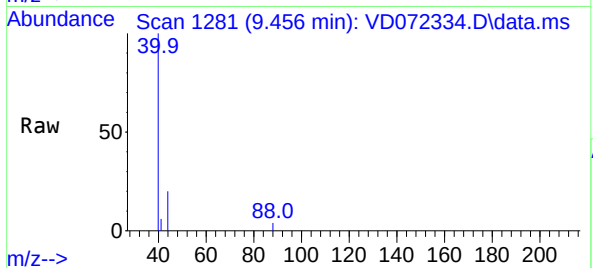




#49
1,4-Dioxane
Concen: 1.802 ug/l
RT: 9.456 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

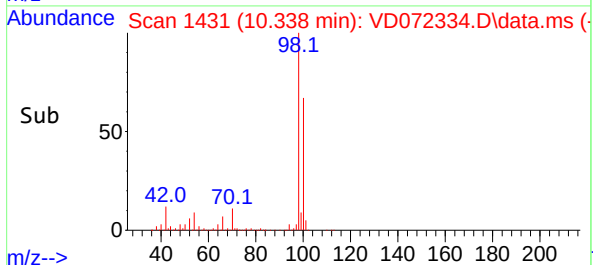
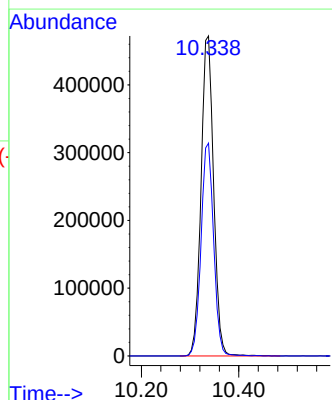
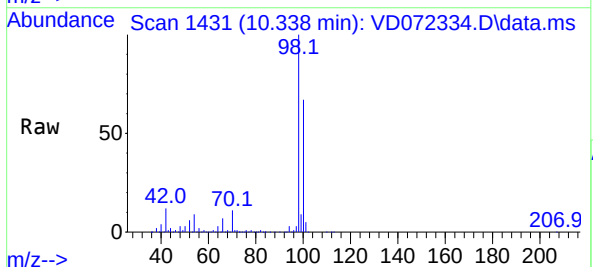
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-5-6

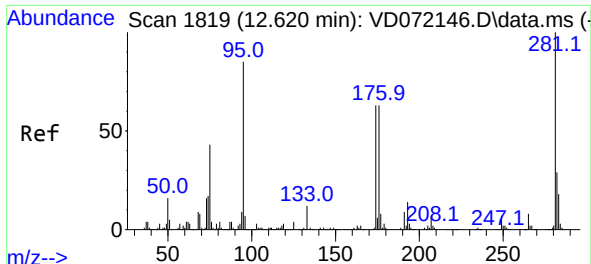
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 101.8 31.0 46.4#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 48.094 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

Tgt Ion: 98 Resp: 843975
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6

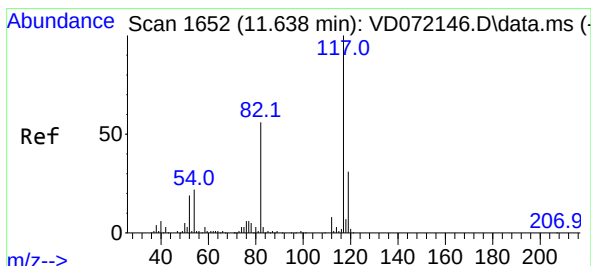
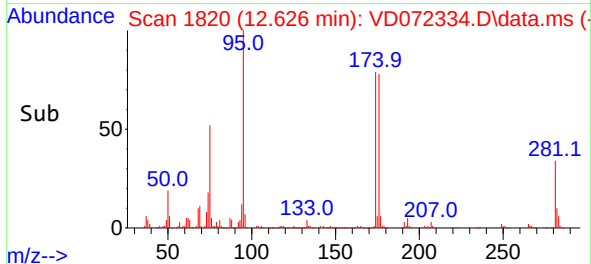
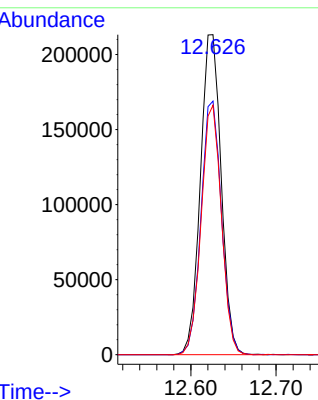
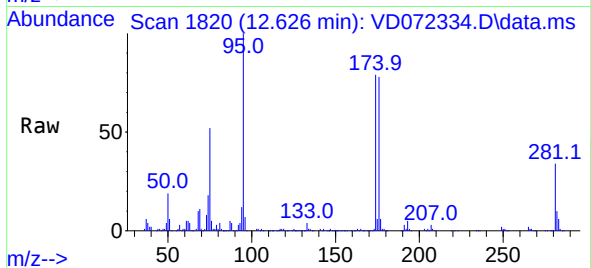




#62
4-Bromofluorobenzene
Concen: 52.911 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

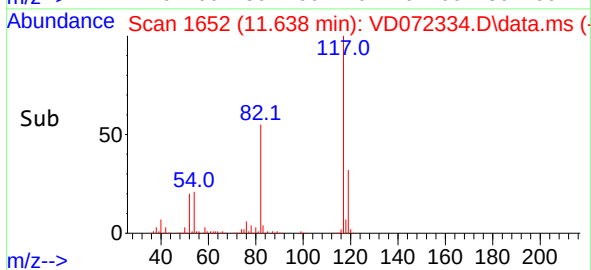
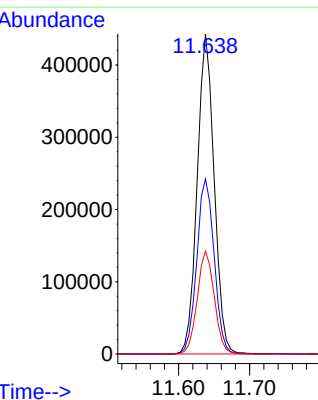
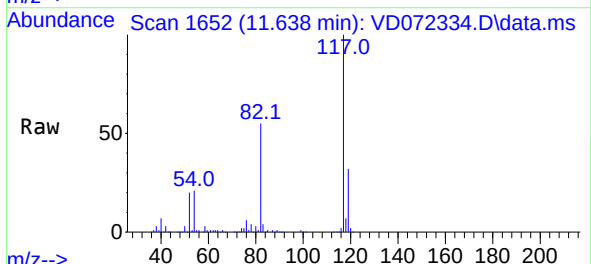
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-5-6

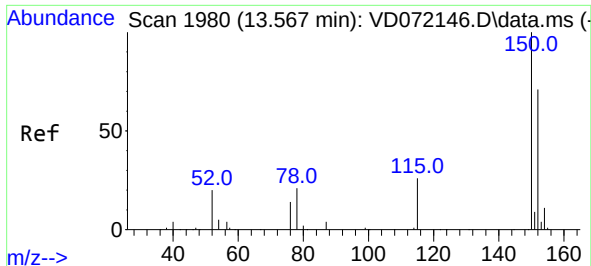
Tgt Ion: 95 Resp: 360774
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 75.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

Tgt Ion: 117 Resp: 734676
Ion Ratio Lower Upper
117 100
82 54.7 45.3 67.9
119 32.2 26.6 40.0

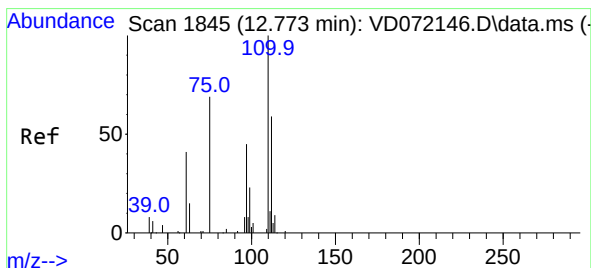
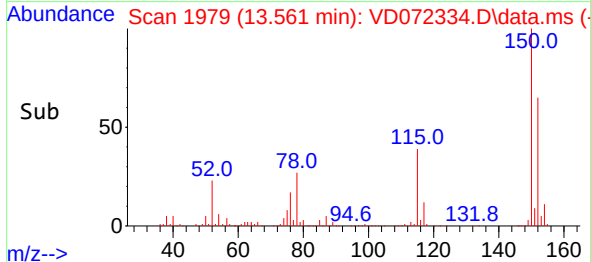
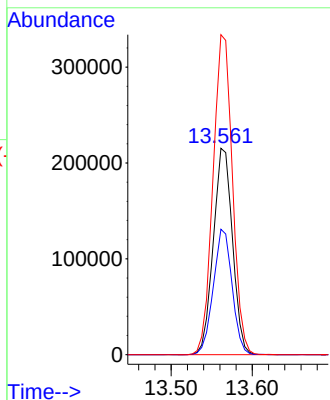
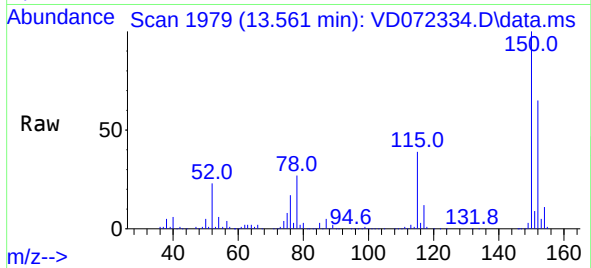




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

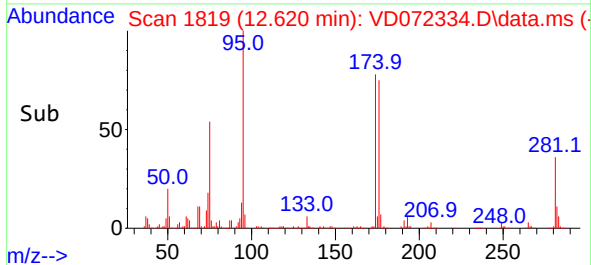
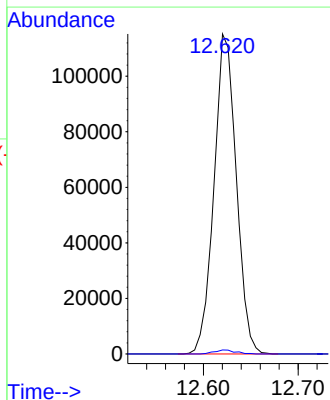
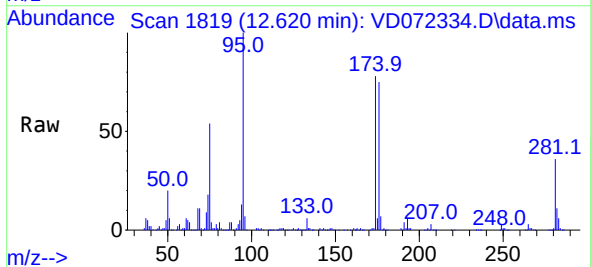
Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-5-6

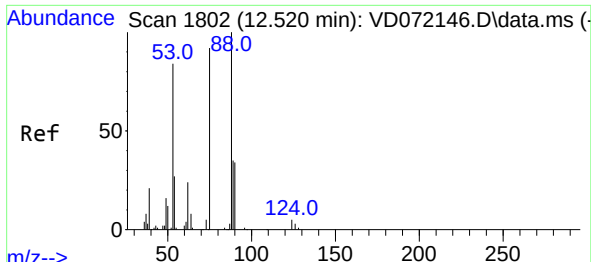
Tgt Ion:152 Resp: 354262
Ion Ratio Lower Upper
152 100
115 59.5 31.3 93.8
150 156.9 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 48.182 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

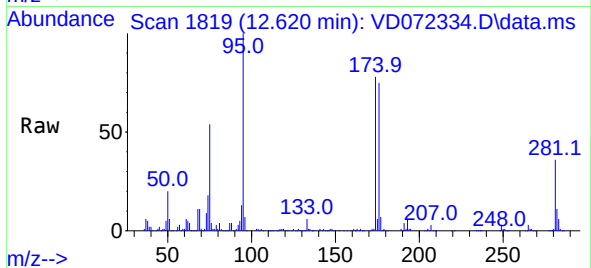
Tgt Ion: 75 Resp: 188288
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 119.545 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD072334.D
Acq: 21 Mar 2022 12:20

Instrument :
MSVOA_D
ClientSampleId :
CP-BH2-031422-5-6



Tgt Ion: 75 Resp: 188288
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.5 33.9 50.9#

