

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030122\
 Data File : VD072140.D
 Acq On : 01 Mar 2022 15:30
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 02 06:09:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 19 04:05:38 2022
 Response via : Initial Calibration

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

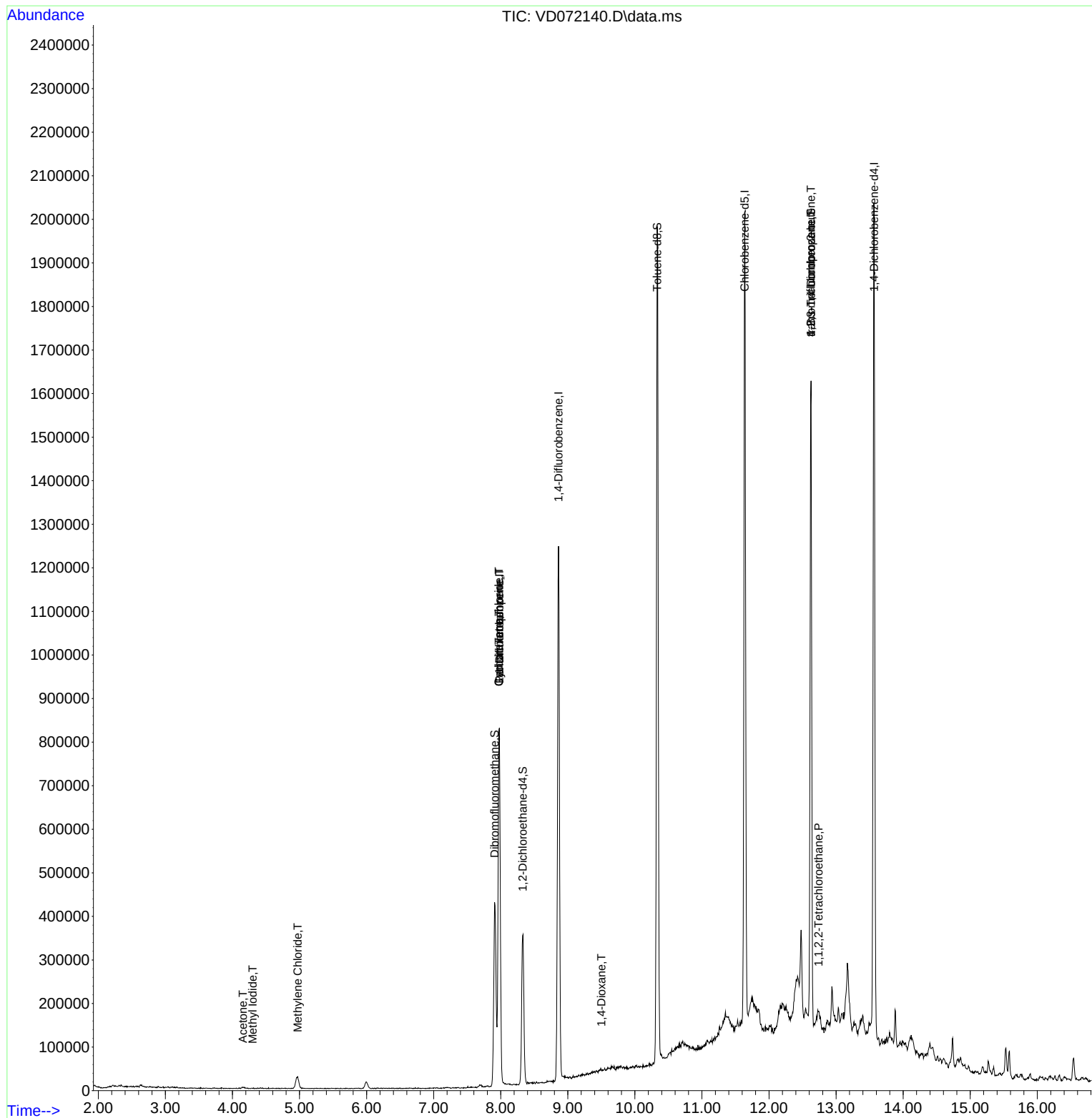
Internal Standards						
1) Pentafluorobenzene	7.979	168	619167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1054711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1069291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	516375	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	284169	44.245	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.500%
35) Dibromofluoromethane	7.909	113	308691	48.307	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.620%
50) Toluene-d8	10.332	98	1333918	56.290	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.580%
62) 4-Bromofluorobenzene	12.626	95	520798	59.829	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.660%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	862	Below Cal		98
10) Methyl Iodide	4.303	142	964	3.053 ug/l #		57
16) Acetone	4.156	43	2361	1.701 ug/l		93
18) Methyl Acetate	4.697	43	61	Below Cal #		52
20) Methylene Chloride	4.973	84	20800	3.011 ug/l		94
31) Cyclohexane	7.973	56	13961	1.231 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	50620	5.230 ug/l #		42
38) Carbon Tetrachloride	7.973	117	65326	6.584 ug/l #		16
49) 1,4-Dioxane	9.503	88	83	1.820 ug/l #		1
75) 1,1,2,2-Tetrachloroethane	12.738	83	7313	1.043 ug/l #		28
76) 1,2,3-Trichloropropane	12.626	75	263097	53.790 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.626	75	263097	134.701 ug/l #		10

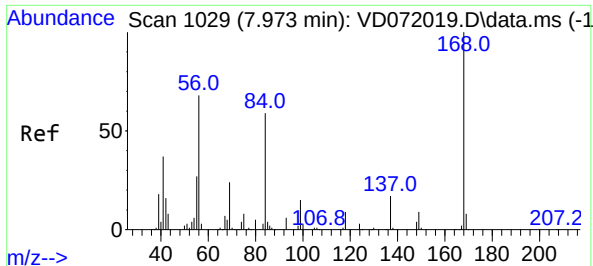
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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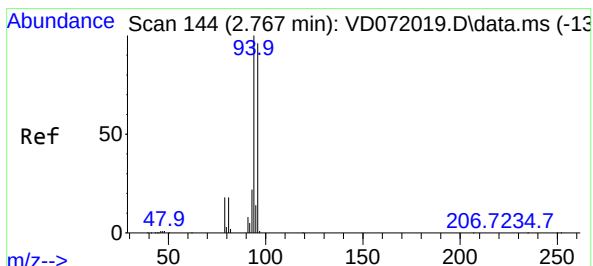
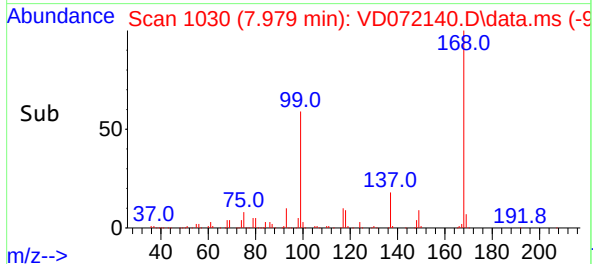
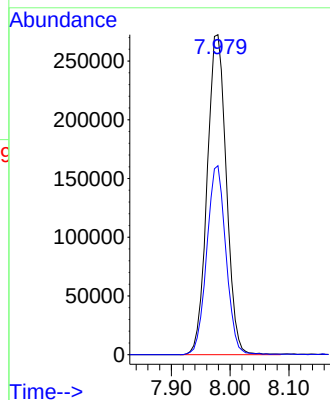
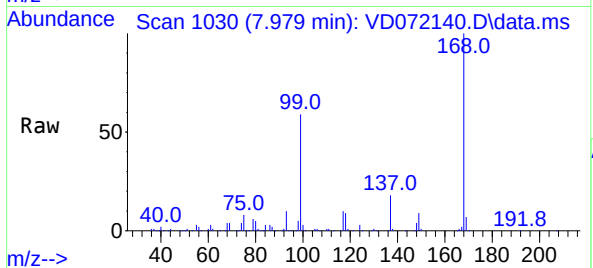




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

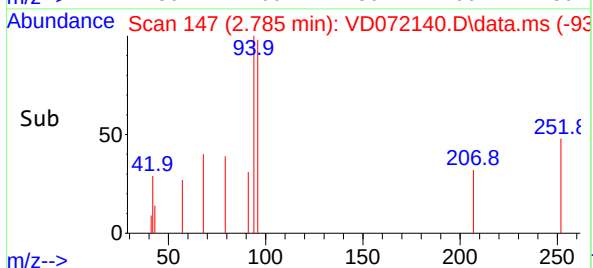
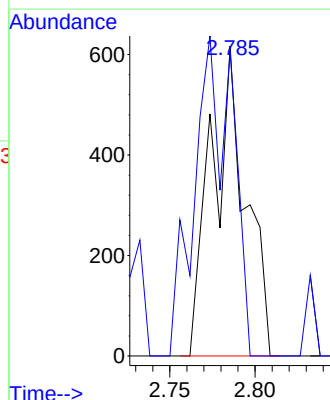
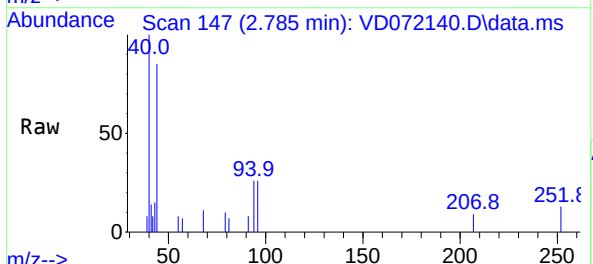
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

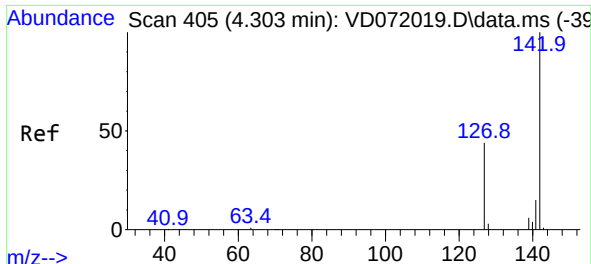
Tgt Ion:168 Resp: 619167
Ion Ratio Lower Upper
168 100
99 59.0 47.1 70.7



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Tgt Ion: 94 Resp: 862
Ion Ratio Lower Upper
94 100
96 98.2 76.8 115.2

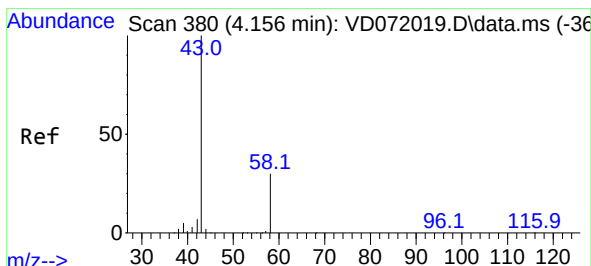
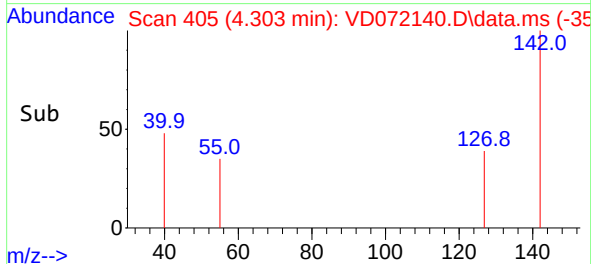
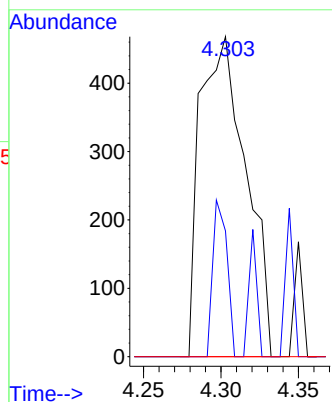
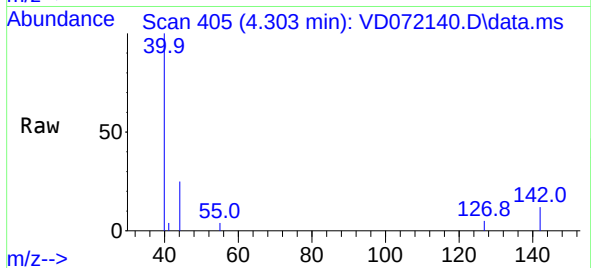




#10
Methyl Iodide
Concen: 3.053 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

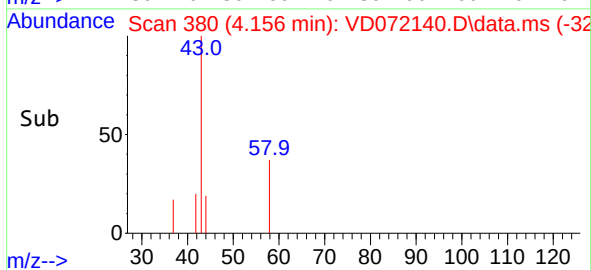
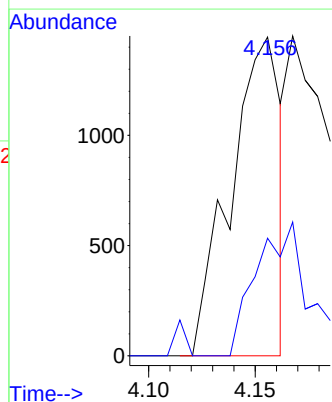
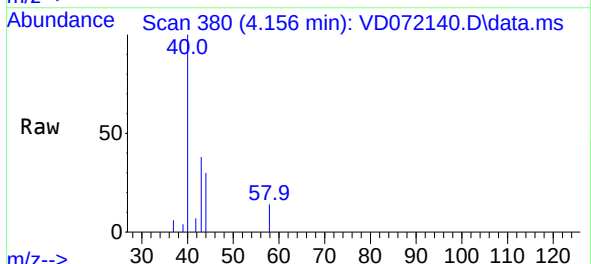
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

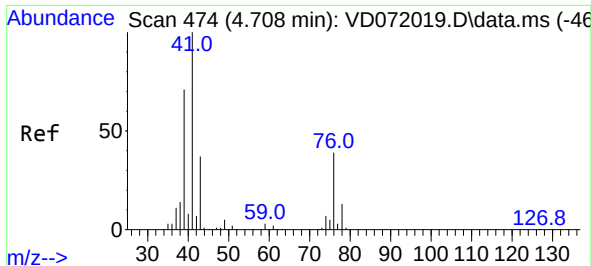
Tgt Ion:142 Resp: 964
Ion Ratio Lower Upper
142 100
127 15.1 35.8 53.8#
141 0.0 11.6 17.4#



#16
Acetone
Concen: 1.701 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Tgt Ion: 43 Resp: 2361
Ion Ratio Lower Upper
43 100
58 25.7 23.8 35.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.697 min Scan# 41

Delta R.T. -0.011 min

Lab File: VD072140.D

Acq: 01 Mar 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

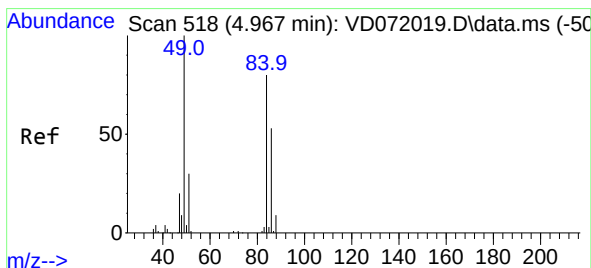
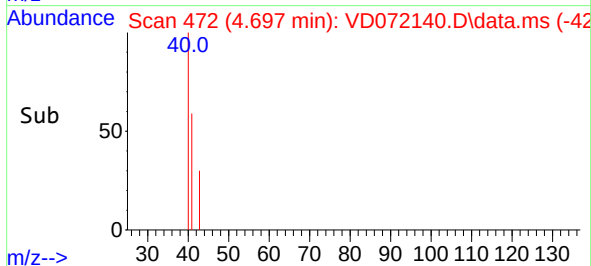
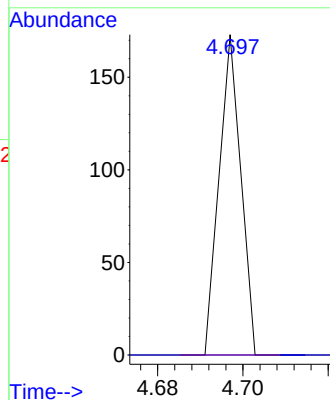
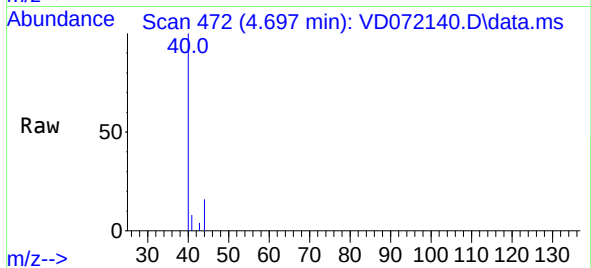
VIBLK

Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

74 0.0 18.6 27.8#



#20

Methylene Chloride

Concen: 3.011 ug/l

RT: 4.973 min Scan# 519

Delta R.T. 0.006 min

Lab File: VD072140.D

Acq: 01 Mar 2022 15:30

Tgt Ion: 84 Resp: 20800

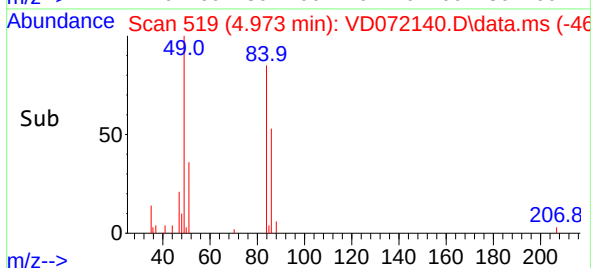
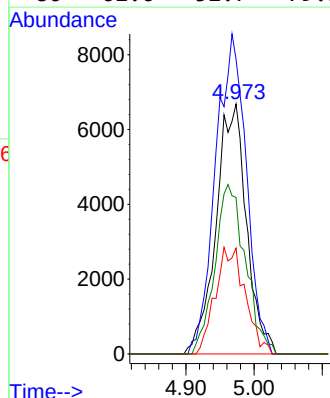
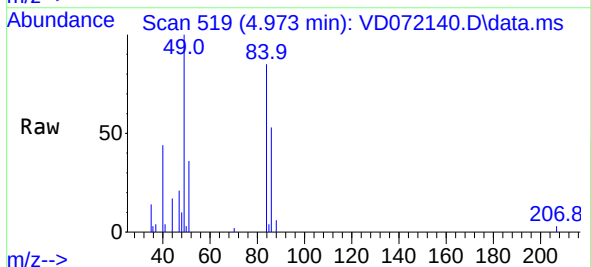
Ion Ratio Lower Upper

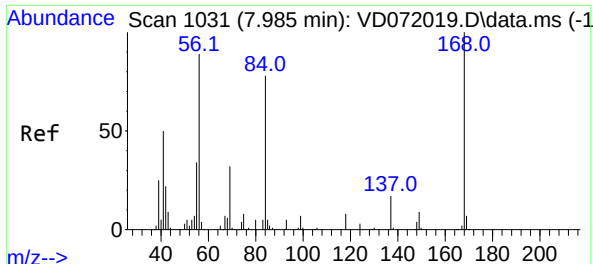
84 100

49 118.0 100.0 150.0

51 42.4 30.2 45.4

86 62.6 52.7 79.1

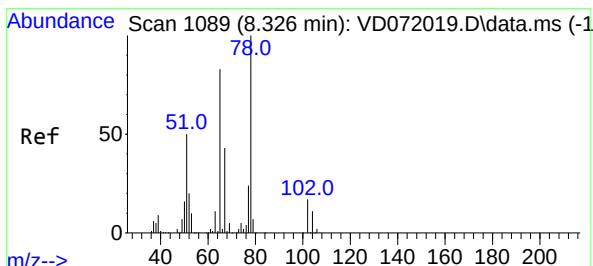
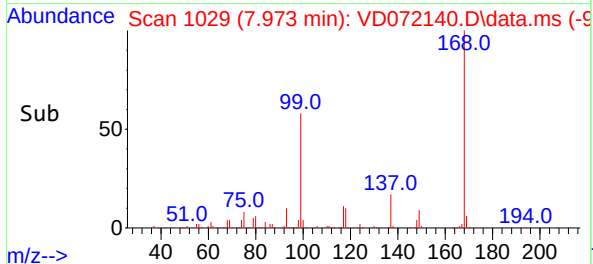
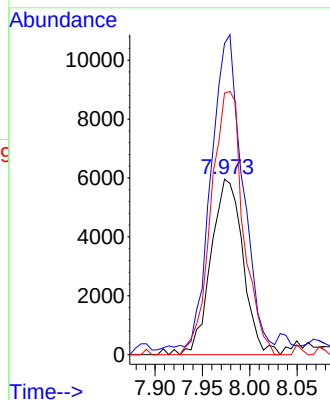
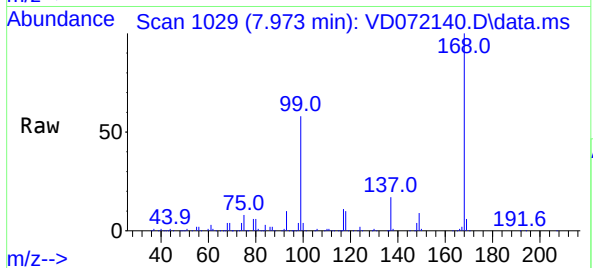




#31
Cyclohexane
Concen: 1.231 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

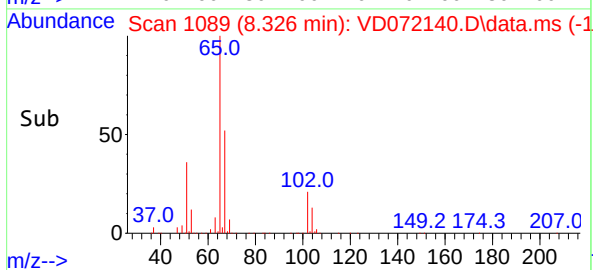
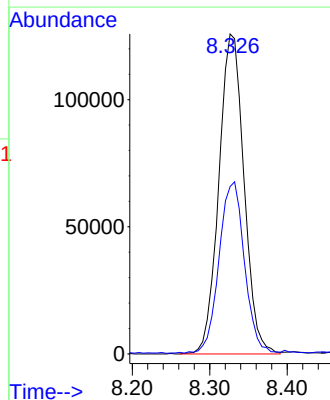
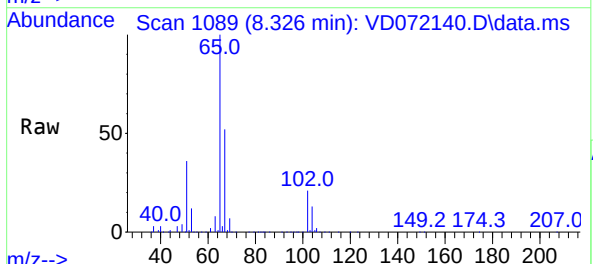
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

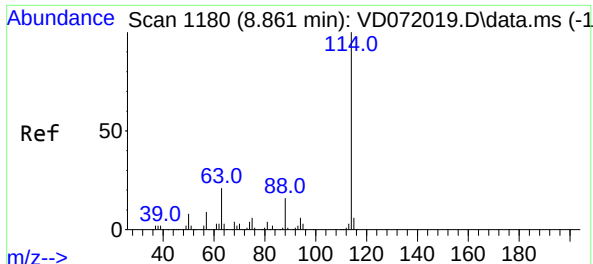
Tgt Ion: 56 Resp: 13961
Ion Ratio Lower Upper
56 100
69 171.9 28.9 43.3#
84 149.0 70.6 105.8#



#33
1,2-Dichloroethane-d4
Concen: 44.245 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Tgt Ion: 65 Resp: 284169
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.6

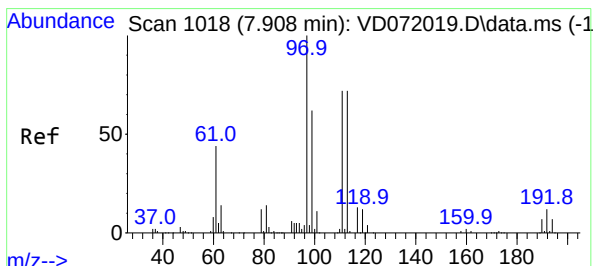
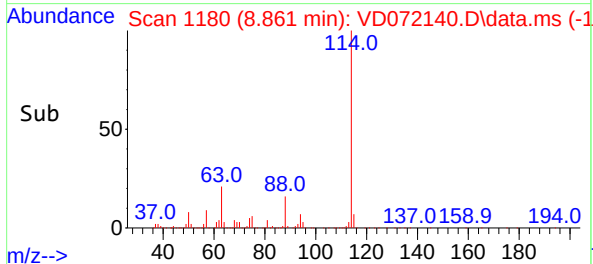
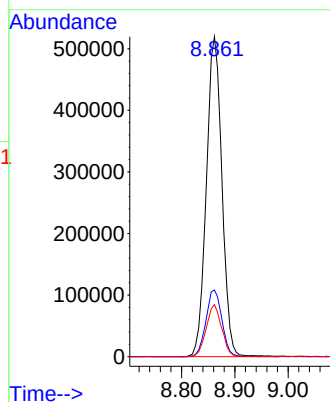
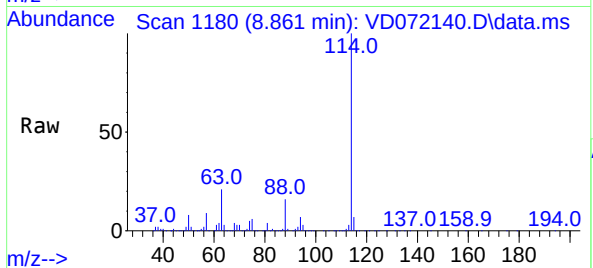




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

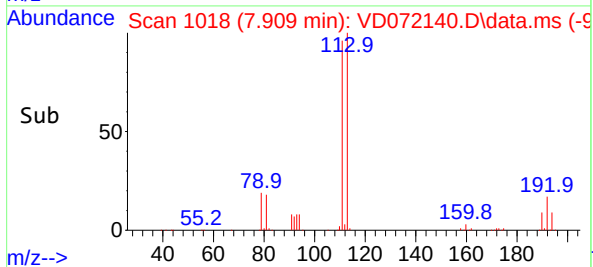
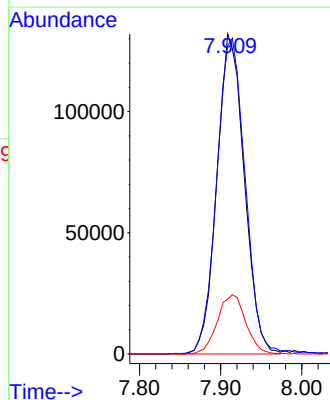
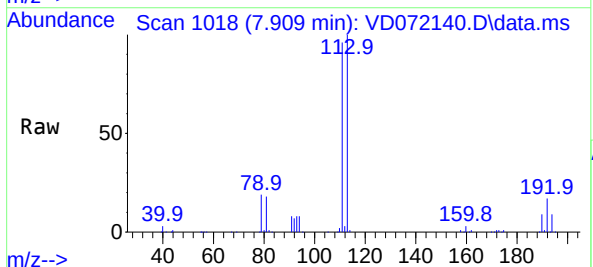
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

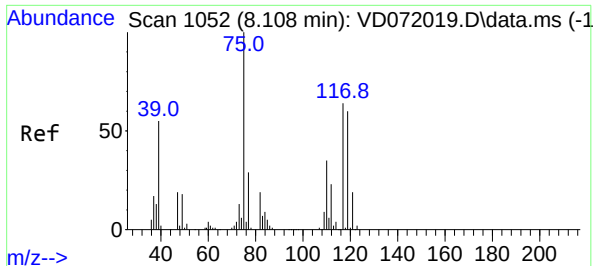
Tgt Ion:114 Resp: 1054711
Ion Ratio Lower Upper
114 100
63 20.9 0.0 42.2
88 16.3 0.0 31.2



#35
Dibromofluoromethane
Concen: 48.307 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Tgt Ion:113 Resp: 308691
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.4
192 19.2 15.3 22.9





#36

1,1-Dichloropropene

Concen: 5.230 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072140.D

Acq: 01 Mar 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

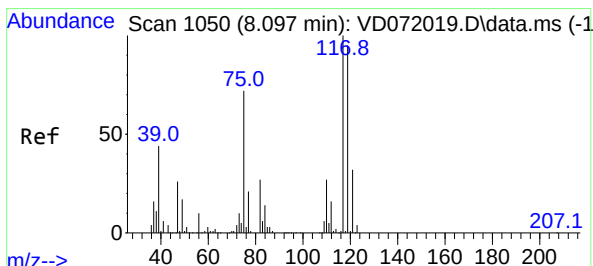
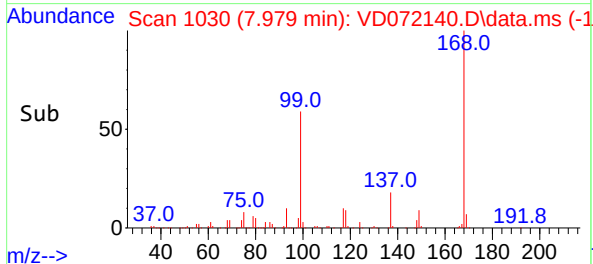
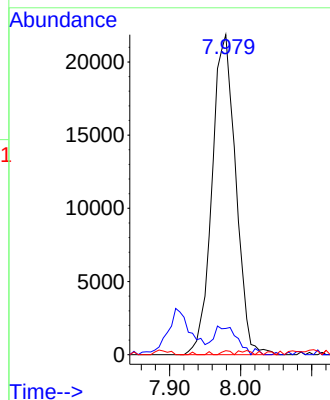
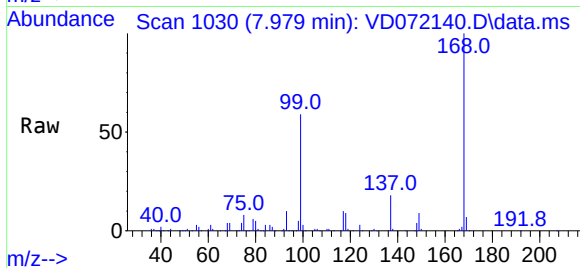
Tgt Ion: 75 Resp: 50620

Ion Ratio Lower Upper

75 100

110 0.0 17.7 53.1#

77 0.5 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.584 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD072140.D

Acq: 01 Mar 2022 15:30

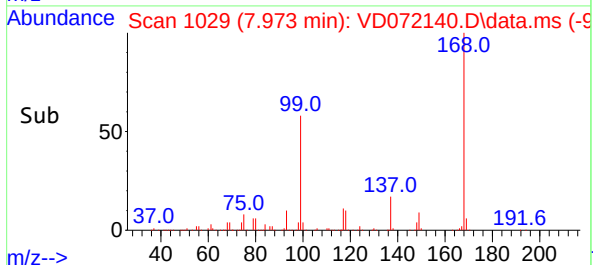
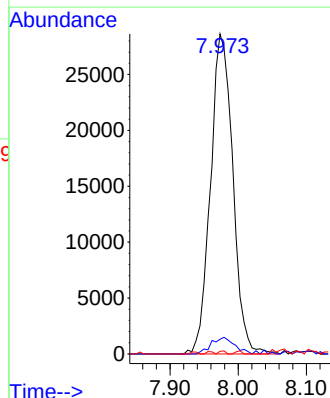
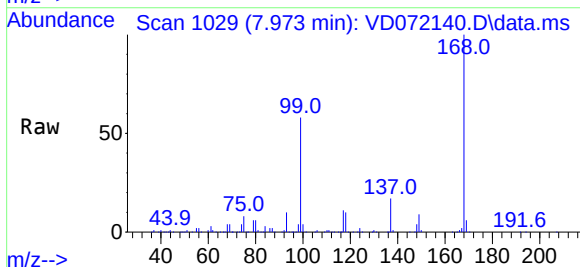
Tgt Ion: 117 Resp: 65326

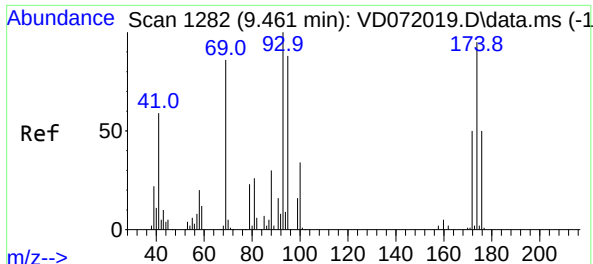
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.8#

121 0.8 25.8 38.6#





#49

1,4-Dioxane

Concen: 1.820 ug/l

RT: 9.503 min Scan# 11

Delta R.T. 0.041 min

Lab File: VD072140.D

Acq: 01 Mar 2022 15:30

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

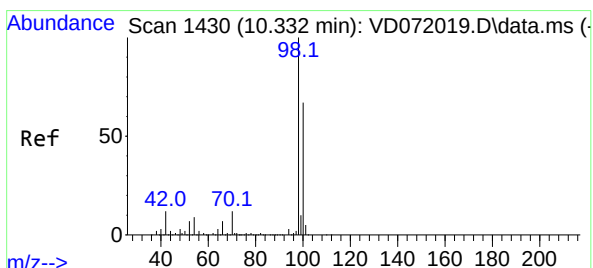
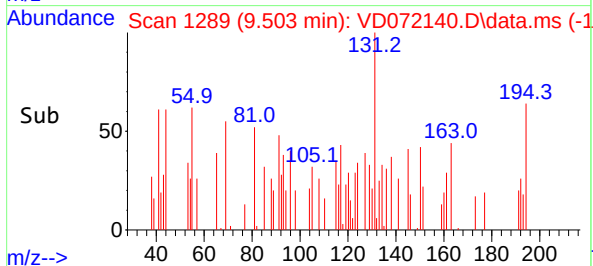
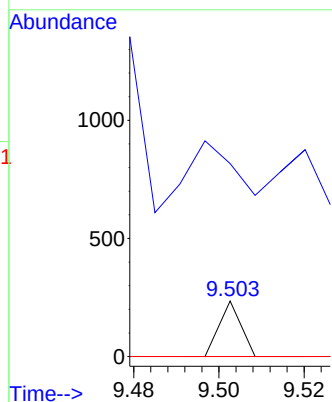
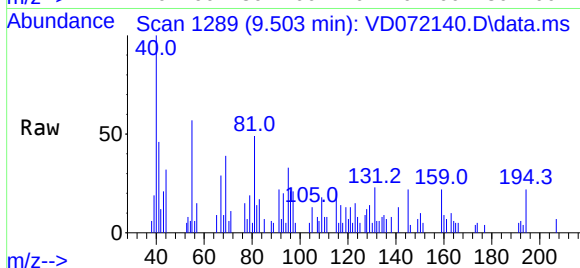
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 155.4 29.9 44.9#

58 0.0 61.0 91.4#



#50

Toluene-d8

Concen: 56.290 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD072140.D

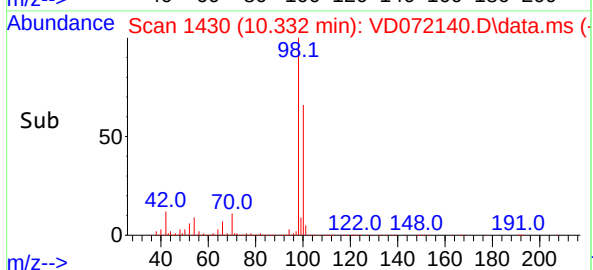
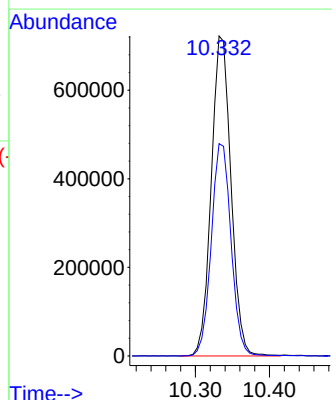
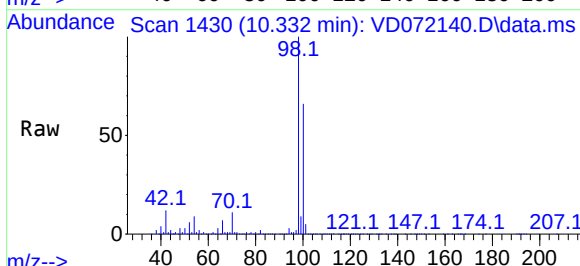
Acq: 01 Mar 2022 15:30

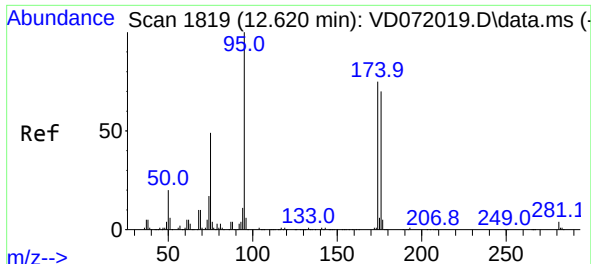
Tgt Ion: 98 Resp: 1333918

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.6

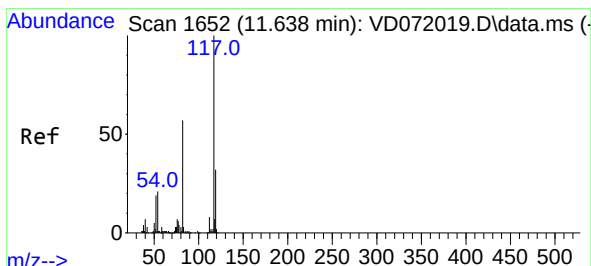
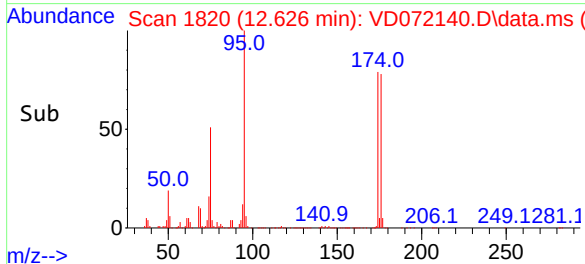
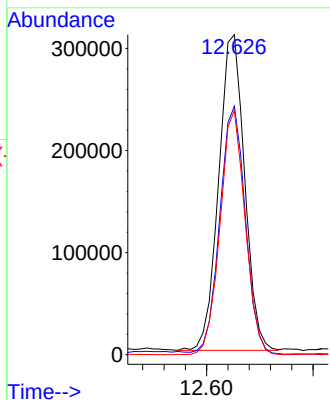
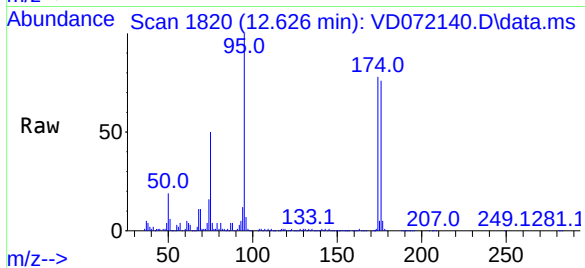




#62
4-Bromofluorobenzene
Concen: 59.829 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

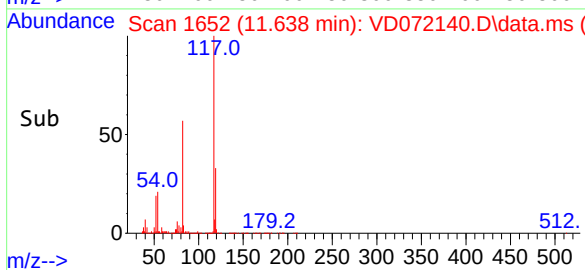
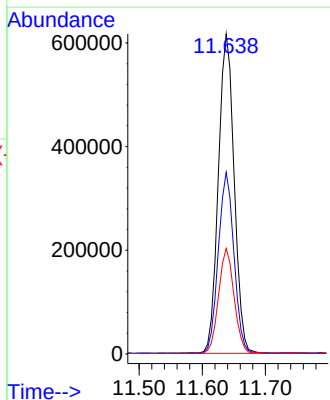
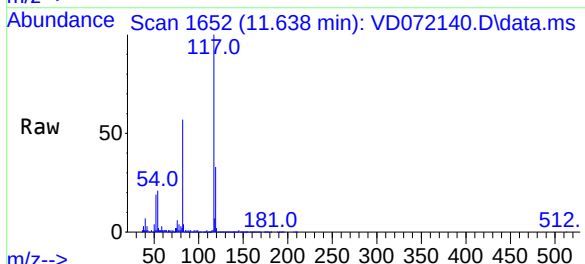
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

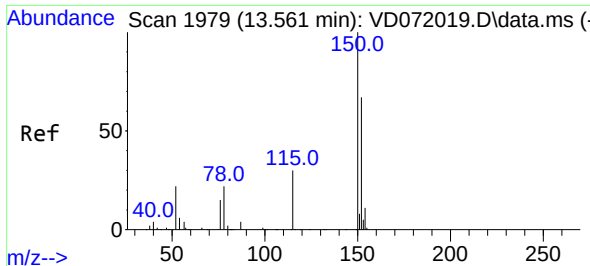
Tgt Ion: 95 Resp: 520798
Ion Ratio Lower Upper
95 100
174 77.4 0.0 155.0
176 74.9 0.0 148.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Tgt Ion: 117 Resp: 1069291
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 32.8 25.4 38.2

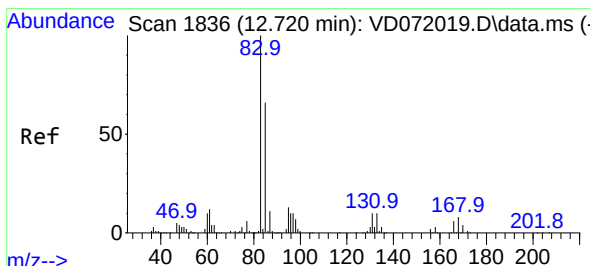
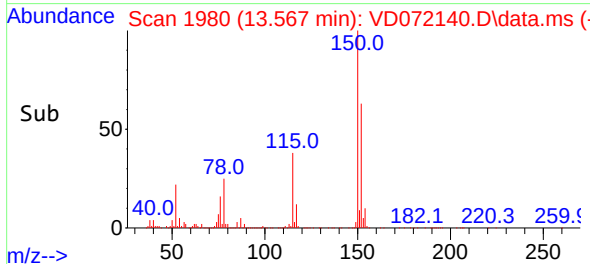
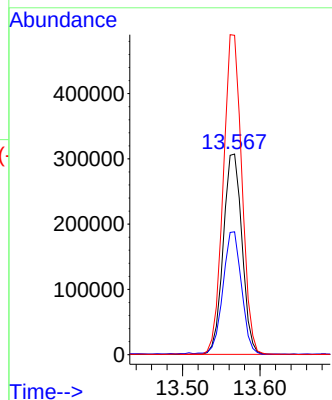
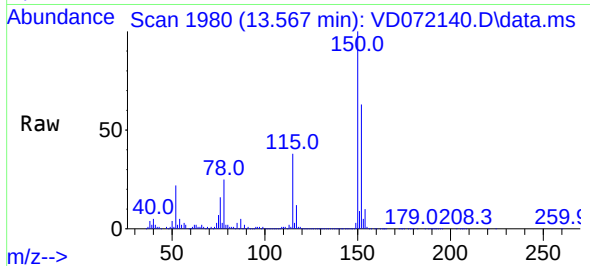




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

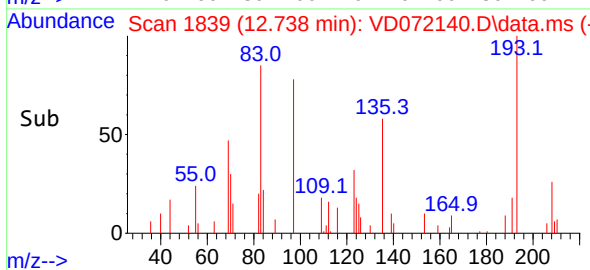
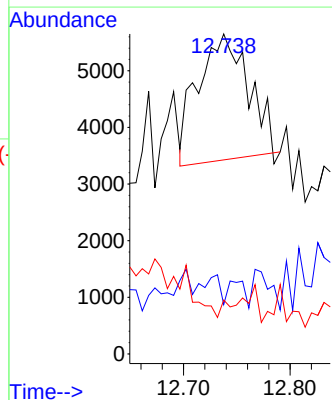
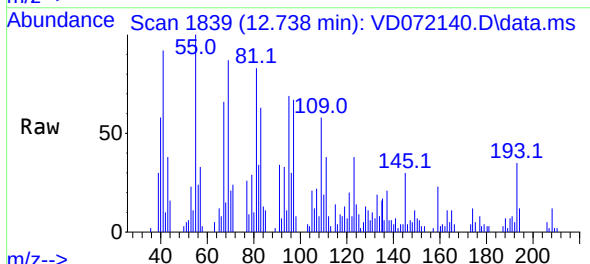
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

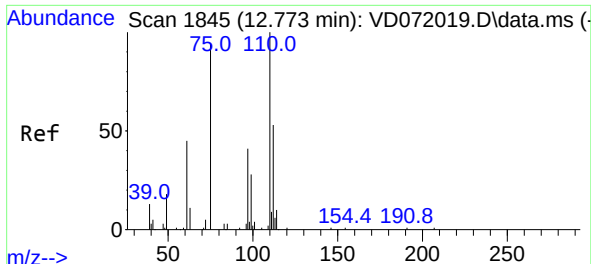
Tgt Ion:152 Resp: 516375
Ion Ratio Lower Upper
152 100
115 60.6 29.9 89.7
150 158.7 0.0 347.6



#75
1,1,2,2-Tetrachloroethane
Concen: 1.043 ug/l
RT: 12.738 min Scan# 1839
Delta R.T. 0.018 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Tgt Ion: 83 Resp: 7313
Ion Ratio Lower Upper
83 100
131 6.8 5.1 15.4
85 0.0 32.4 97.2#

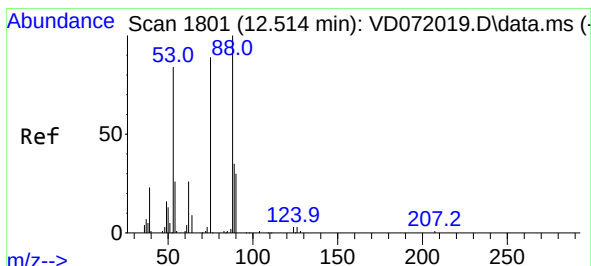
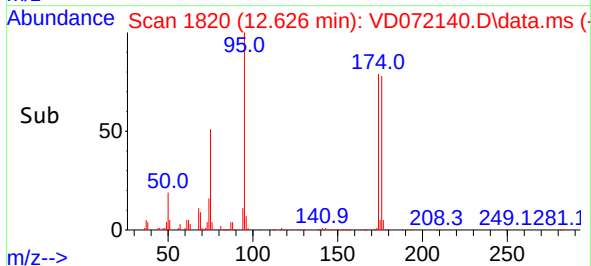
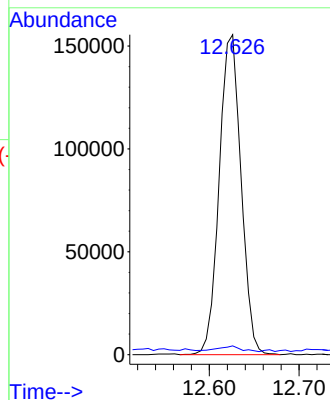
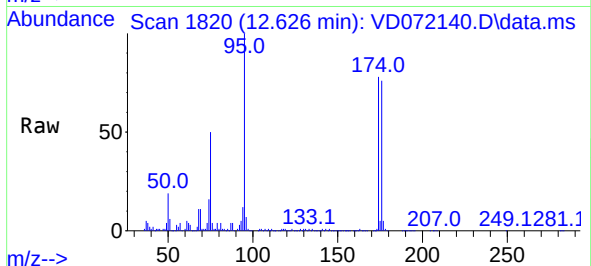




#76
1,2,3-Trichloropropane
Concen: 53.790 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 263097
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.701 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD072140.D
Acq: 01 Mar 2022 15:30

Tgt Ion: 75 Resp: 263097
Ion Ratio Lower Upper
75 100
53 0.3 80.2 120.4#
89 0.1 36.4 54.6#

