

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072448.D
 Acq On : 28 Mar 2022 16:57
 Operator : VA/SY
 Sample : N2102-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-02-32422

Quant Time: Mar 29 01:30:27 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)

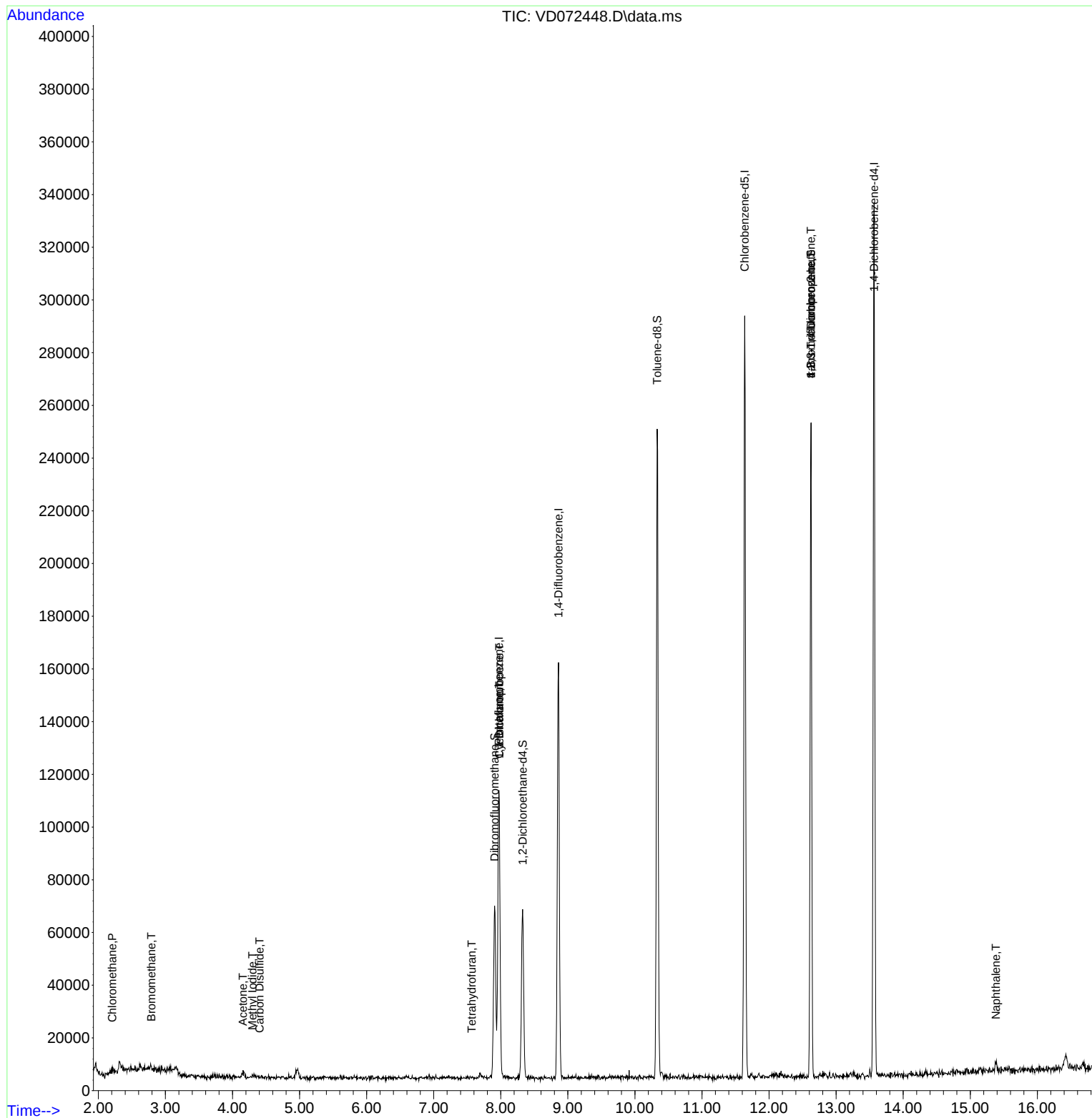
Internal Standards						
1) Pentafluorobenzene	7.973	168	80358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	131941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	166192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	87510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	54475	60.829	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.660%	
35) Dibromofluoromethane	7.908	113	46572	50.159	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.332	98	166194	48.953	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.626	95	82457	62.508	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 125.020%	
Target Compounds						Qvalue
3) Chloromethane	2.209	50	791	1.198	ug/l	90
5) Bromomethane	2.791	94	1066	2.568	ug/l	89
10) Methyl Iodide	4.297	142	1232	3.658	ug/l #	55
16) Acetone	4.156	43	3032	15.593	ug/l	98
17) Carbon Disulfide	4.403	76	206	1.617	ug/l #	74
20) Methylene Chloride	4.973	84	2534	Below Cal	#	72
29) Tetrahydrofuran	7.567	42	218	1.430	ug/l #	38
31) Cyclohexane	7.979	56	2206	1.577	ug/l #	38
36) 1,1-Dichloropropene	7.979	75	7248	5.565	ug/l #	50
76) 1,2,3-Trichloropropane	12.626	75	41941	43.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	41941	107.799	ug/l #	7
95) Naphthalene	15.384	128	4355	1.338	ug/l #	88

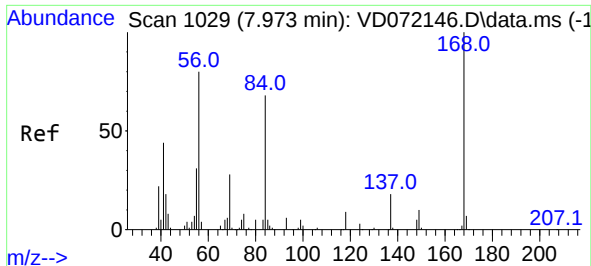
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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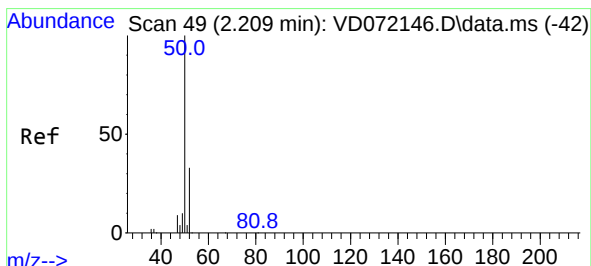
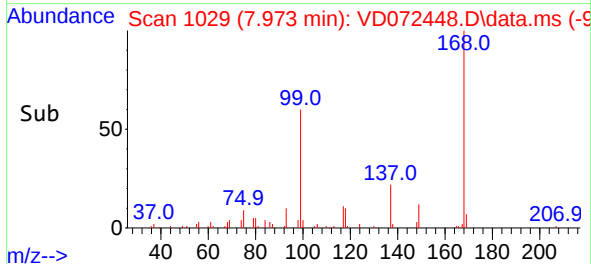
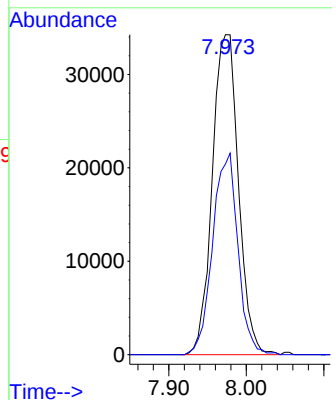
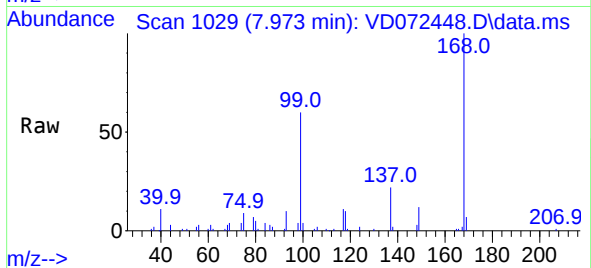




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

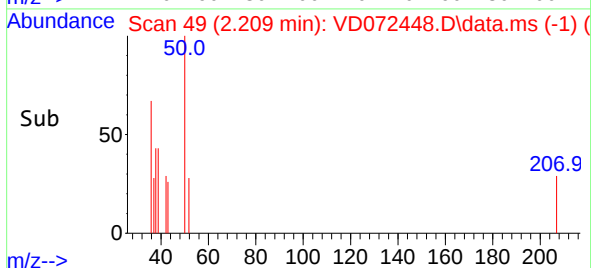
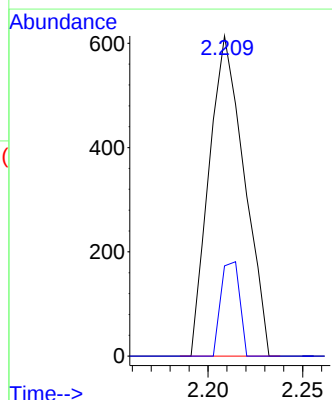
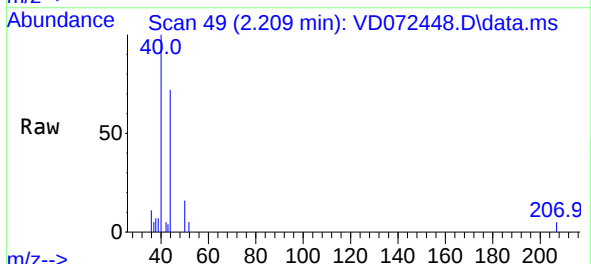
Instrument :
MSVOA_D
ClientSampleId :
HD-02-32422

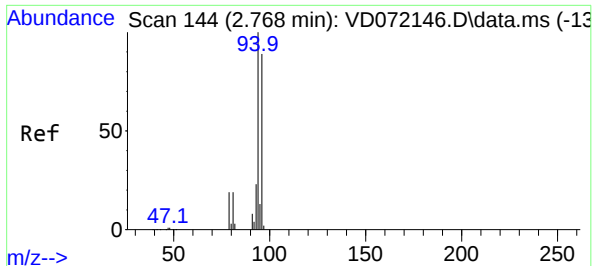
Tgt Ion:168 Resp: 80358
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#3
Chloromethane
Concen: 1.198 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Tgt Ion: 50 Resp: 791
Ion Ratio Lower Upper
50 100
52 28.2 27.4 41.0

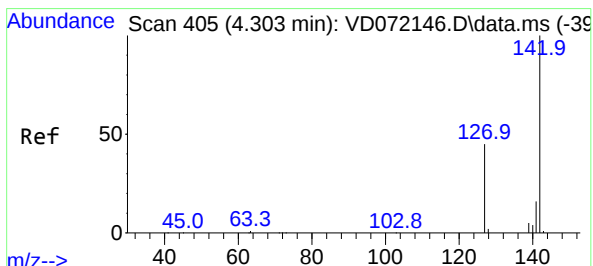
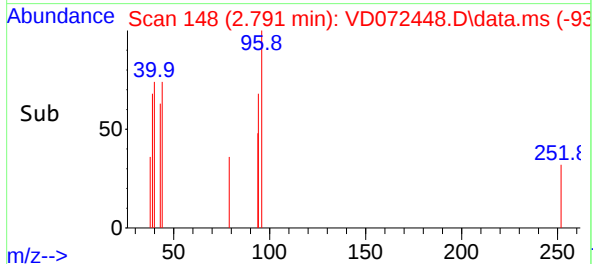
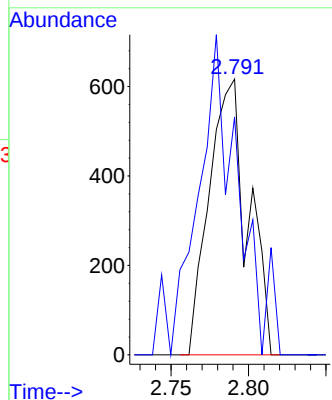
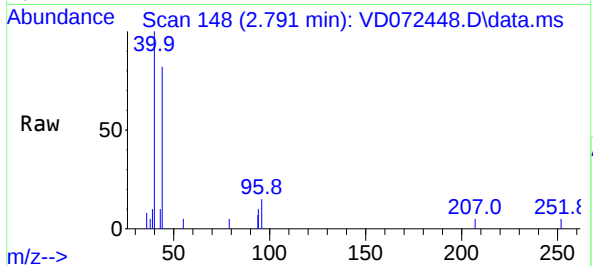




#5
Bromomethane
Concen: 2.568 ug/l
RT: 2.791 min Scan# 144
Delta R.T. 0.023 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

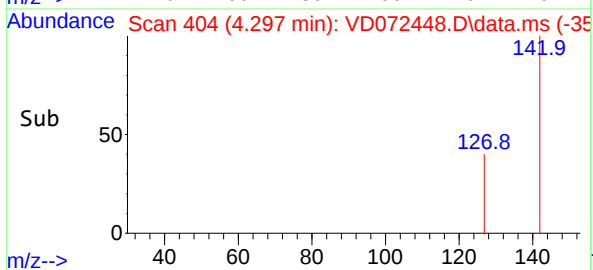
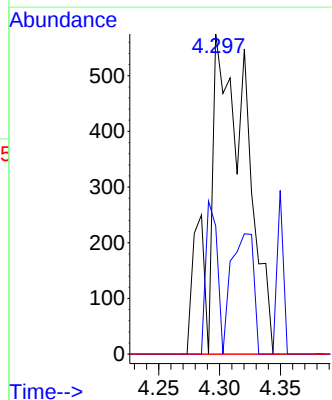
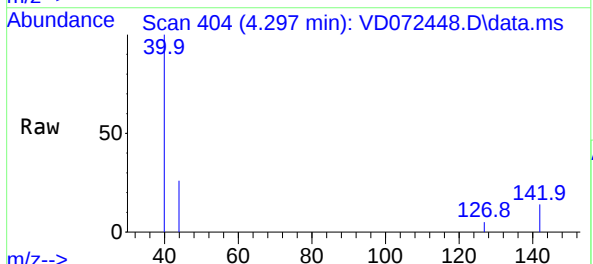
Instrument :
MSVOA_D
ClientSampleId :
HD-02-32422

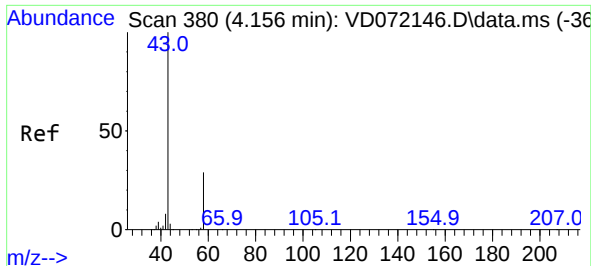
Tgt Ion: 94 Resp: 1066
Ion Ratio Lower Upper
94 100
96 86.2 77.6 116.4



#10
Methyl Iodide
Concen: 3.658 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Tgt Ion: 142 Resp: 1232
Ion Ratio Lower Upper
142 100
127 14.4 37.3 55.9#
141 0.0 11.7 17.5#

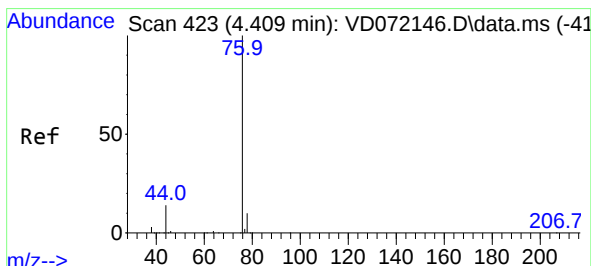
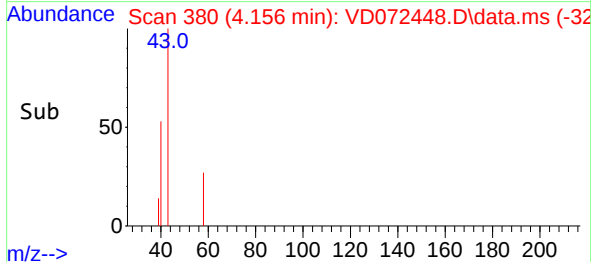
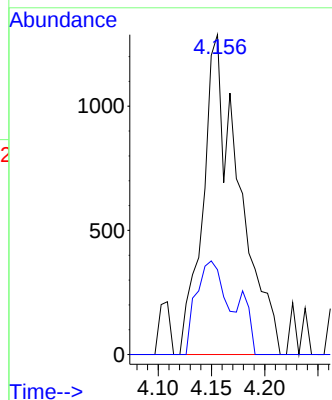
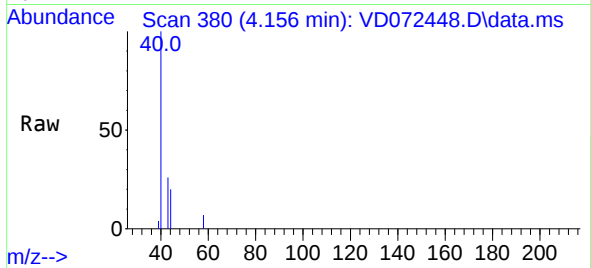




#16
Acetone
Concen: 15.593 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

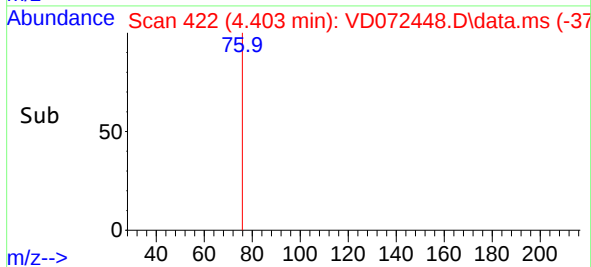
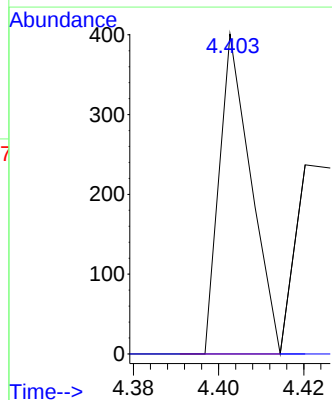
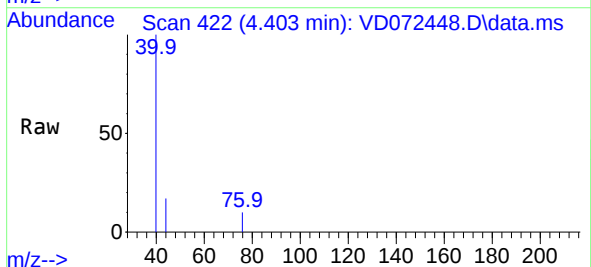
Instrument :
MSVOA_D
ClientSampleId :
HD-02-32422

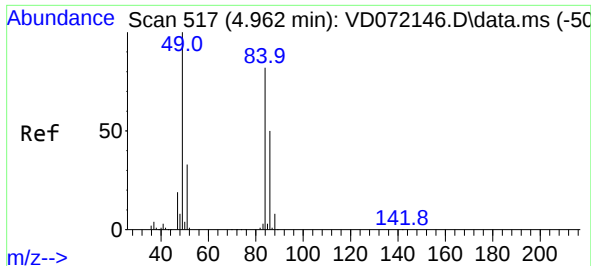
Tgt Ion: 43 Resp: 3032
Ion Ratio Lower Upper
43 100
58 26.6 22.1 33.1



#17
Carbon Disulfide
Concen: 1.617 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Tgt Ion: 76 Resp: 206
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

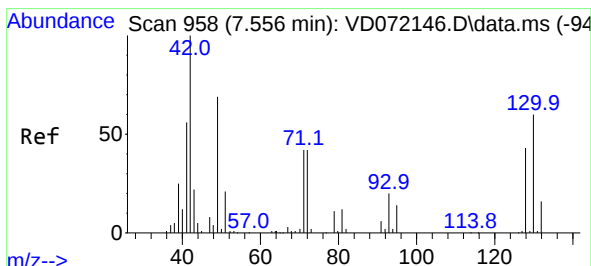
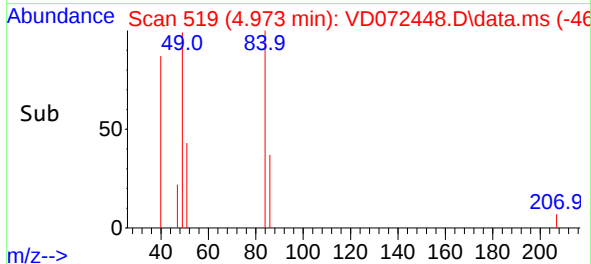
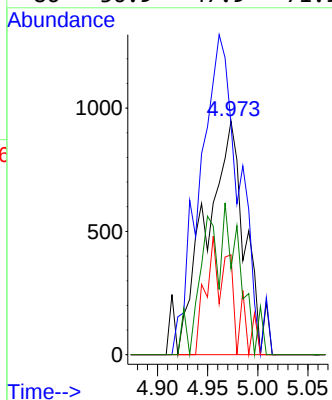
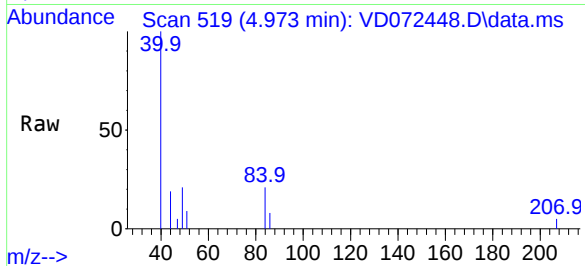




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

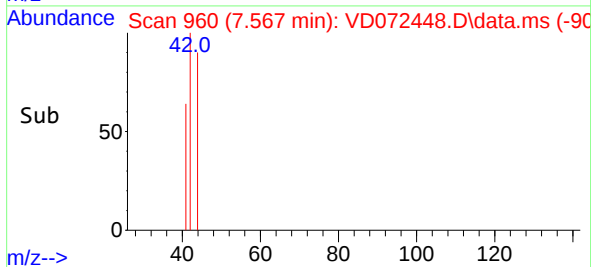
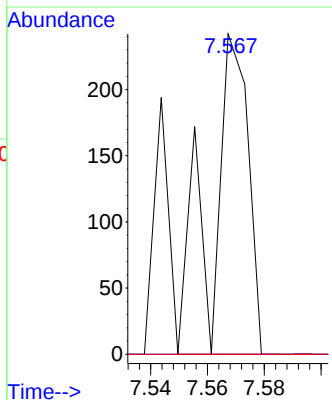
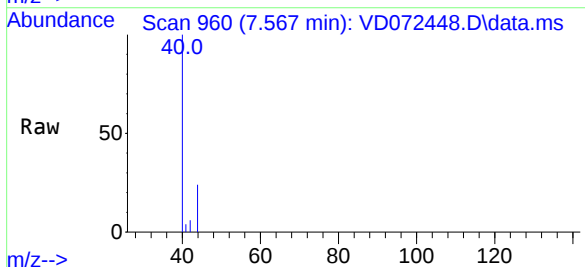
Instrument :
MSVOA_D
ClientSampleId :
HD-02-32422

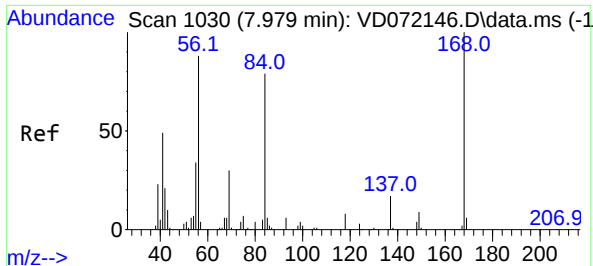
Tgt Ion: 84 Resp: 2534
Ion Ratio Lower Upper
84 100
49 98.7 112.8 169.2#
51 42.8 32.6 48.8
86 36.9 47.9 71.9#



#29
Tetrahydrofuran
Concen: 1.430 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.012 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Tgt Ion: 42 Resp: 218
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: 1.577 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD072448.D

Acq: 28 Mar 2022 16:57

Instrument :

MSVOA_D

ClientSampleId :

HD-02-32422

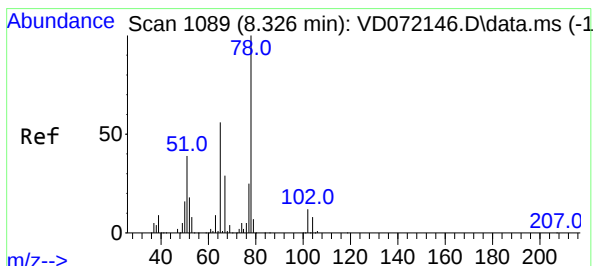
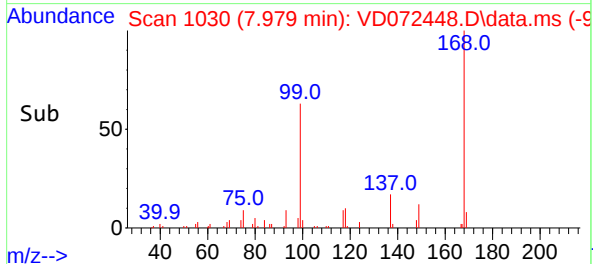
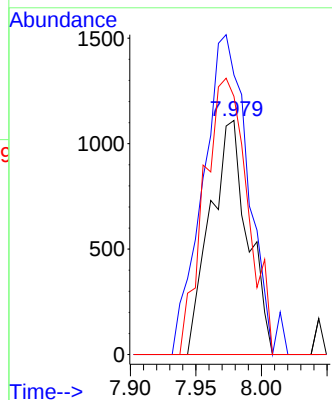
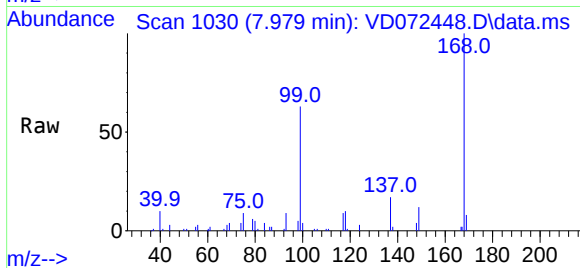
Tgt Ion: 56 Resp: 2206

Ion Ratio Lower Upper

56 100

69 101.4 25.4 38.2#

84 110.3 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 60.829 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072448.D

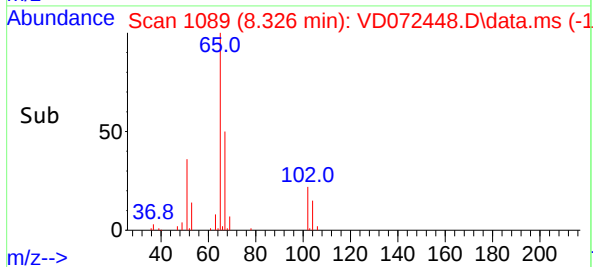
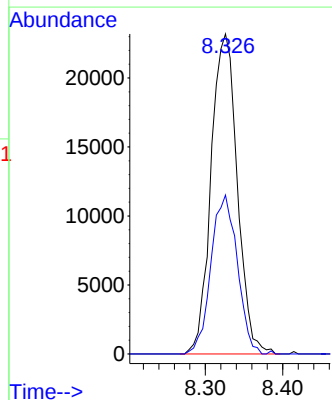
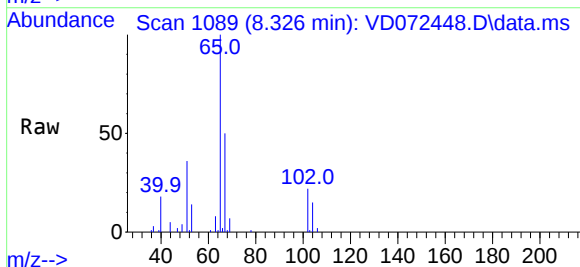
Acq: 28 Mar 2022 16:57

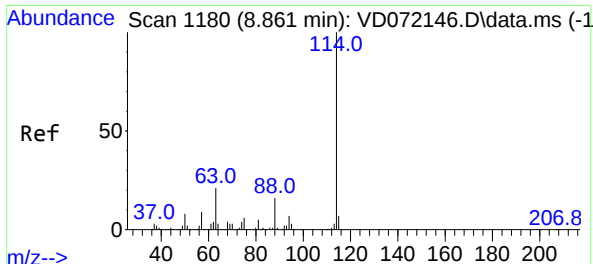
Tgt Ion: 65 Resp: 54475

Ion Ratio Lower Upper

65 100

67 49.7 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: VD072448.D

Acq: 28 Mar 2022 16:57

Instrument :

MSVOA_D

ClientSampleId :

HD-02-32422

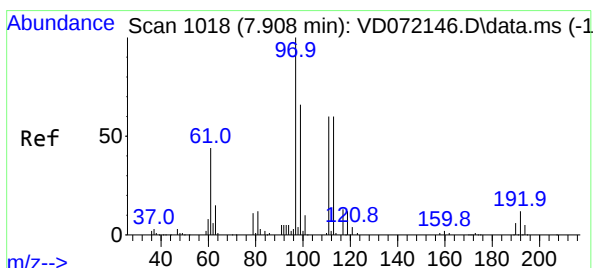
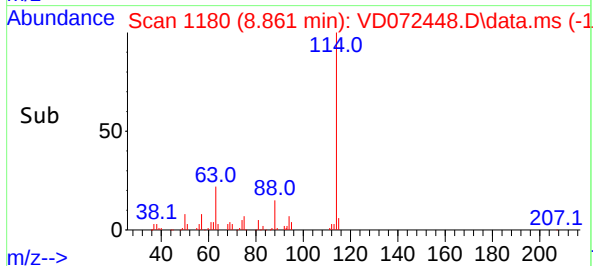
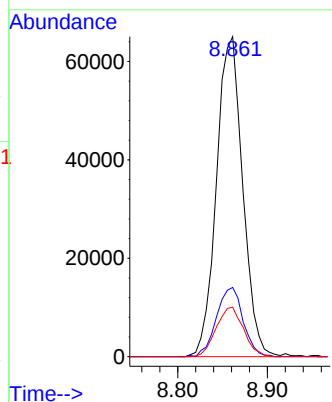
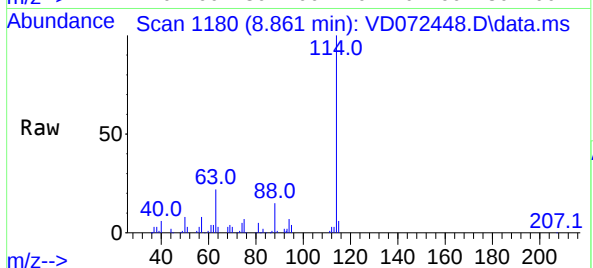
Tgt Ion:114 Resp: 131941

Ion Ratio Lower Upper

114 100

63 21.7 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.159 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072448.D

Acq: 28 Mar 2022 16:57

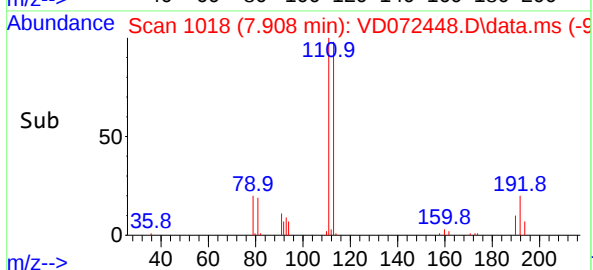
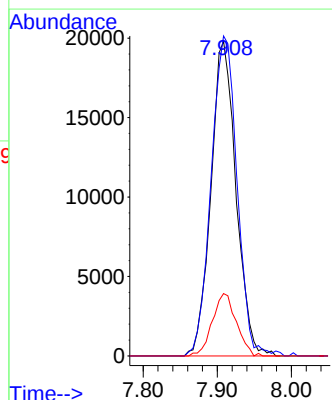
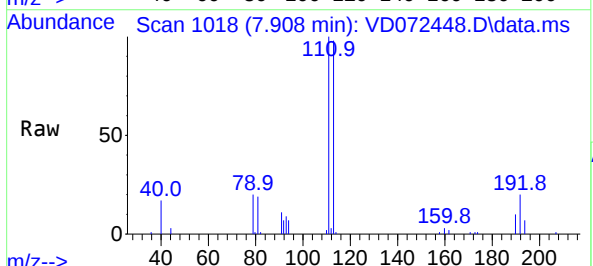
Tgt Ion:113 Resp: 46572

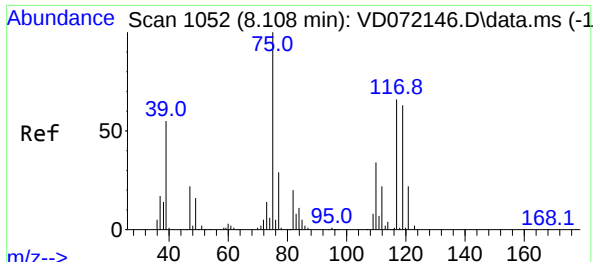
Ion Ratio Lower Upper

113 100

111 105.2 83.8 125.6

192 19.0 14.6 21.8

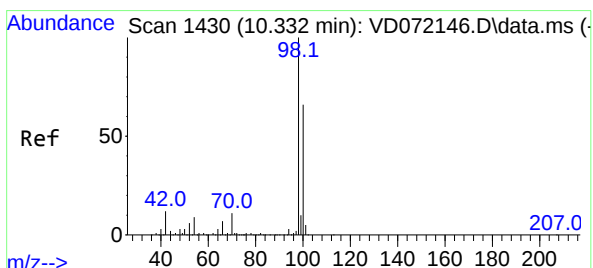
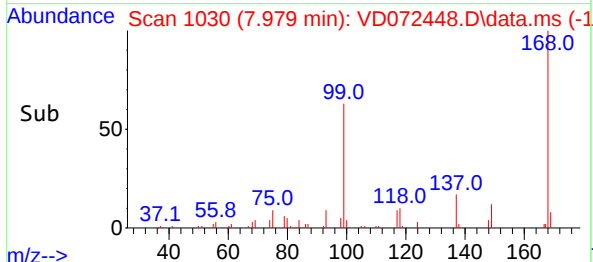
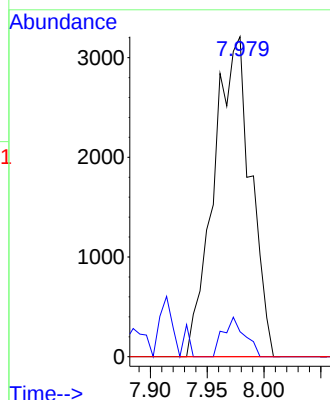
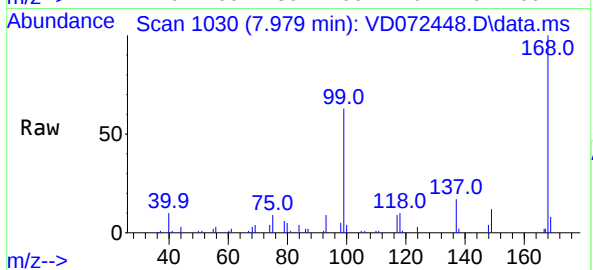




#36
1,1-Dichloropropene
Concen: 5.565 ug/l
RT: 7.979 min Scan# 1052
Delta R.T. -0.129 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

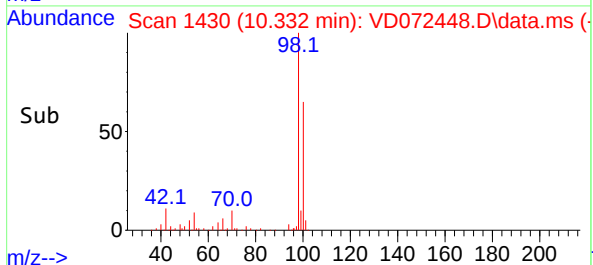
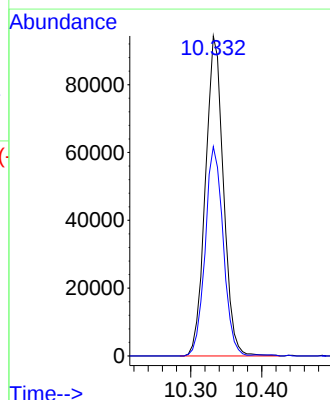
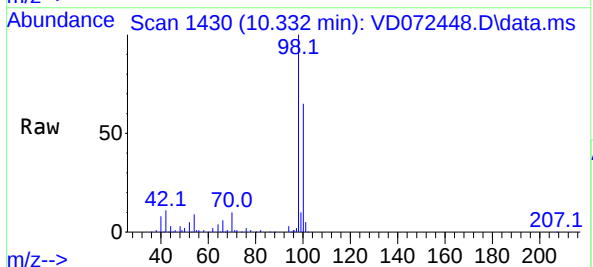
Instrument :
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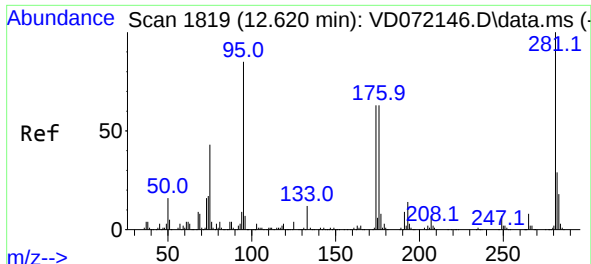
Tgt Ion: 75 Resp: 7248
Ion Ratio Lower Upper
75 100
110 7.2 16.4 49.1#
77 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.953 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Tgt Ion: 98 Resp: 166194
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 62.508 ug/l

RT: 12.626 min Scan# 1819

Delta R.T. 0.006 min

Lab File: VD072448.D

Acq: 28 Mar 2022 16:57

Instrument :

MSVOA_D

ClientSampleId :

HD-02-32422

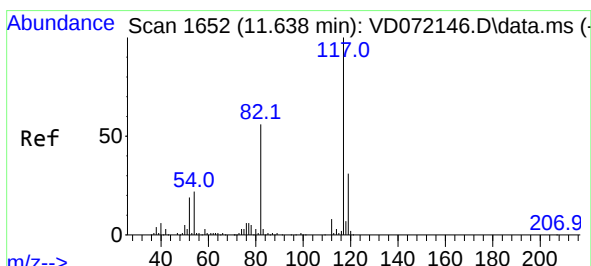
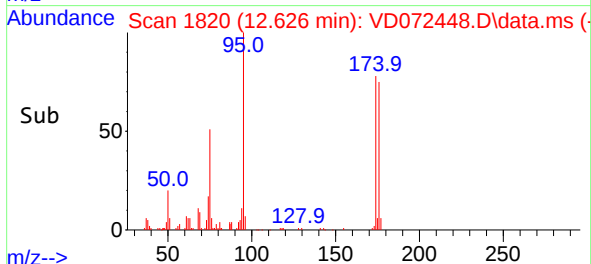
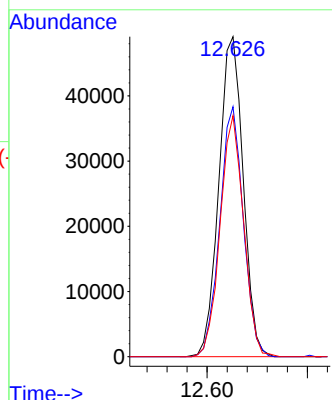
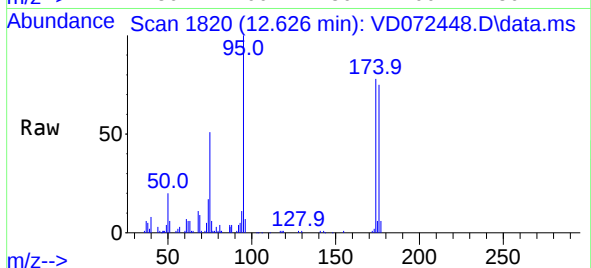
Tgt Ion: 95 Resp: 82457

Ion Ratio Lower Upper

95 100

174 75.6 0.0 152.8

176 72.6 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: VD072448.D

Acq: 28 Mar 2022 16:57

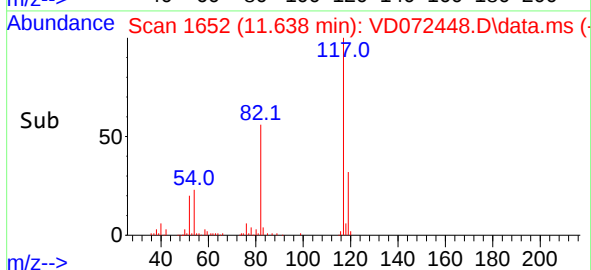
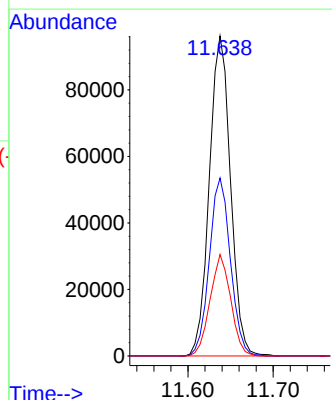
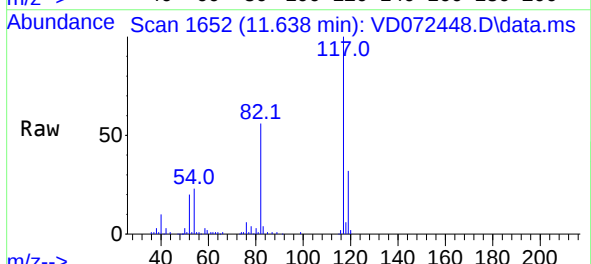
Tgt Ion: 117 Resp: 166192

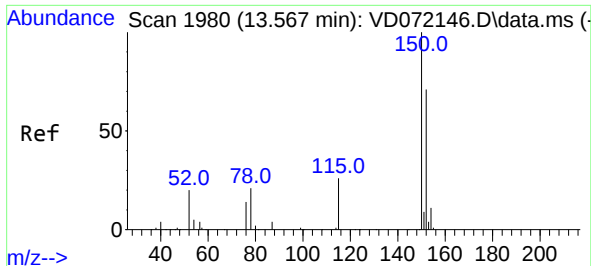
Ion Ratio Lower Upper

117 100

82 55.6 45.3 67.9

119 31.7 26.6 40.0

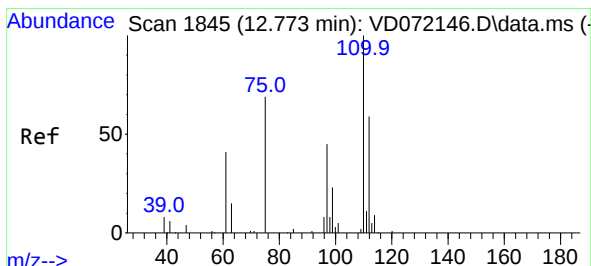
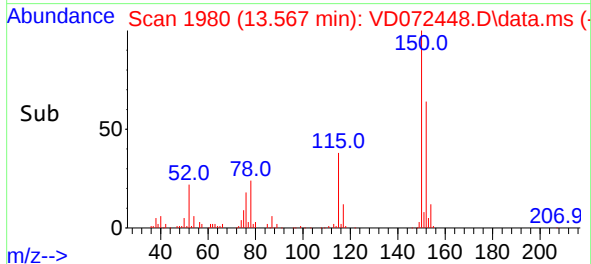
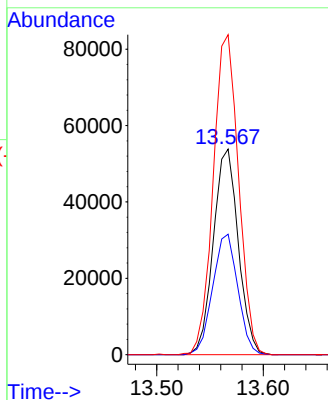
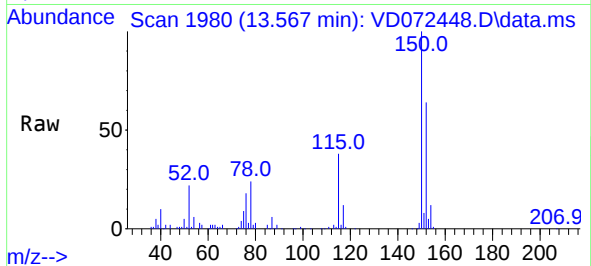




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

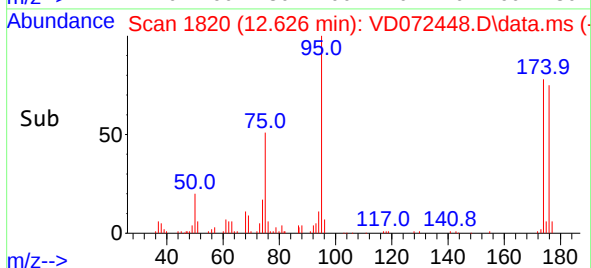
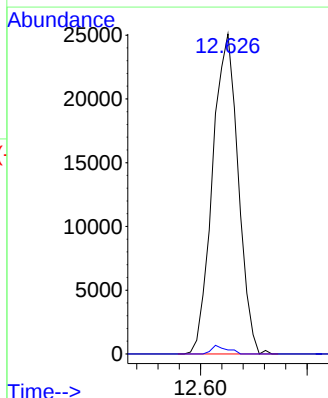
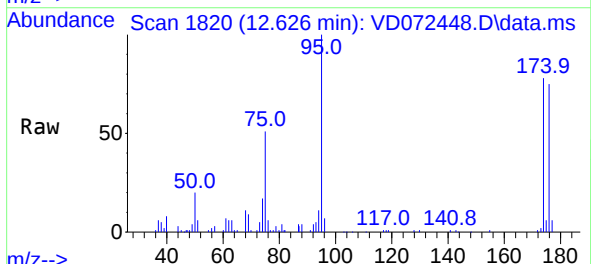
Instrument :
MSVOA_D
ClientSampleId :
HD-02-32422

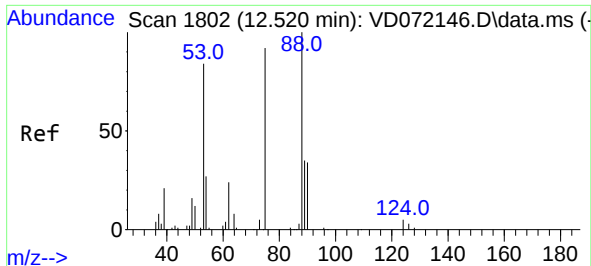
Tgt Ion:152 Resp: 87510
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 158.0 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 43.448 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Tgt Ion: 75 Resp: 41941
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

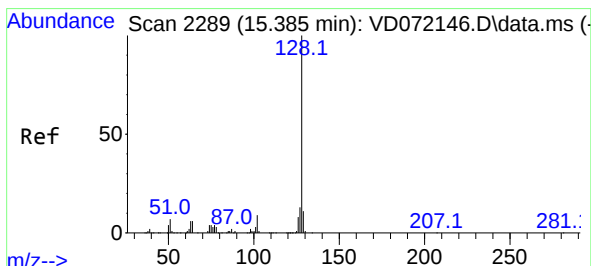
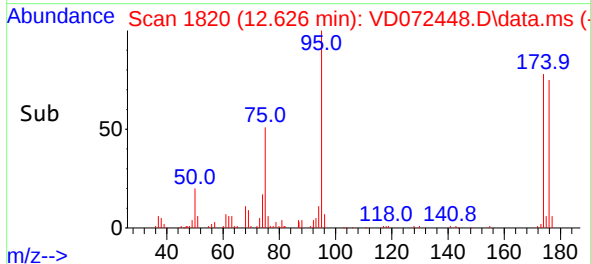
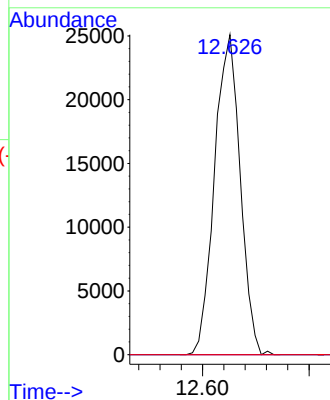
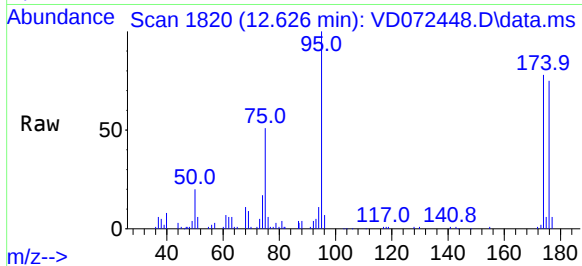




#81
trans-1,4-Dichloro-2-butene
Concen: 107.799 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Instrument :
MSVOA_D
ClientSampleId :
HD-02-32422

Tgt Ion: 75 Resp: 41941
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 1.338 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD072448.D
Acq: 28 Mar 2022 16:57

Tgt Ion:128 Resp: 4355
Ion Ratio Lower Upper
128 100
127 8.7 10.3 15.5#
129 5.2 8.4 12.6#

