

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073808.D
 Acq On : 07 Jul 2022 14:58
 Operator : VA/SY
 Sample : N3562-13RE
 Misc : 3.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 D62922

Quant Time: Jul 08 06:32:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 05:39:57 2022
 Response via : Initial Calibration

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

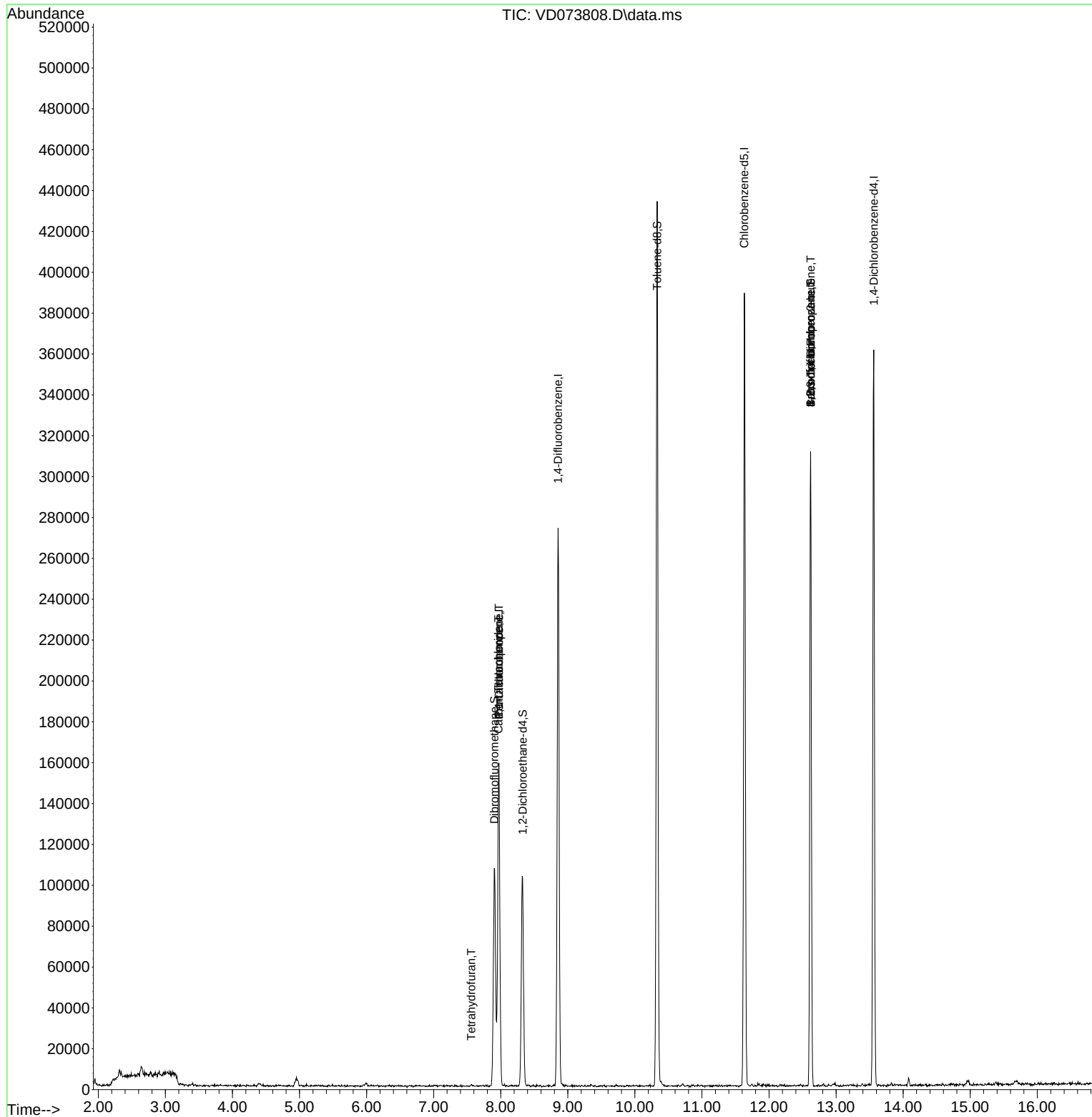
Internal Standards						
1) Pentafluorobenzene	7.973	168	97778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	215523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	202234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	82675	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	81646	67.866	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.740%			
35) Dibromofluoromethane	7.903	113	74706	56.492	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.980%			
50) Toluene-d8	10.332	98	275904	61.588	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 123.180%#			
62) 4-Bromofluorobenzene	12.620	95	95889	52.073	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 104.140%#			
Target Compounds						
3) Chloromethane	2.203	50	306	Below Cal	#	40
4) Vinyl Chloride	2.274	62	64	Below Cal	#	45
5) Bromomethane	2.773	94	702	Below Cal		97
16) Acetone	4.150	43	115	Below Cal	#	48
17) Carbon Disulfide	4.409	76	2361	Below Cal	#	76
18) Methyl Acetate	4.715	43	146	Below Cal	#	53
20) Methylene Chloride	4.973	84	1230	Below Cal	#	83
29) Tetrahydrofuran	7.561	42	316	1.355 ug/l	#	33
31) Cyclohexane	7.967	56	3625	Below Cal	#	48
36) 1,1-Dichloropropene	7.973	75	10339	6.111 ug/l	#	51
38) Carbon Tetrachloride	7.967	117	12291	6.390 ug/l	#	17
71) Bromoform	12.620	173	814	1.066 ug/l	#	1
76) 1,2,3-Trichloropropane	12.620	75	54776	60.853 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.620	75	54776	135.951 ug/l	#	11

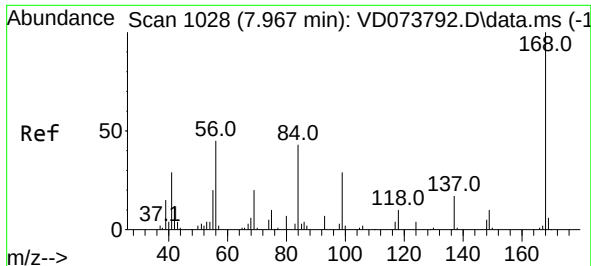
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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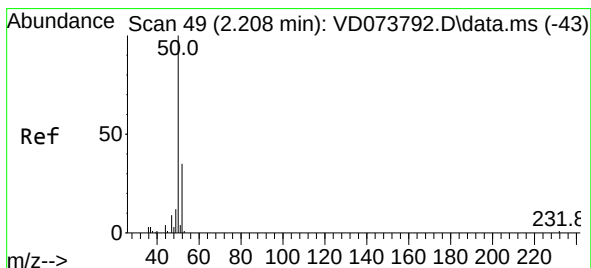
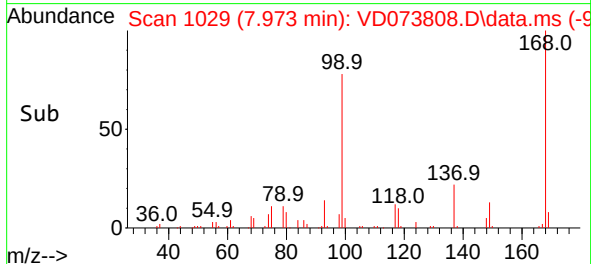
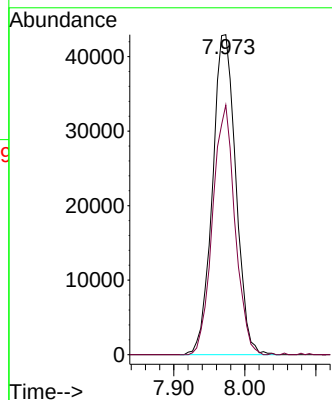
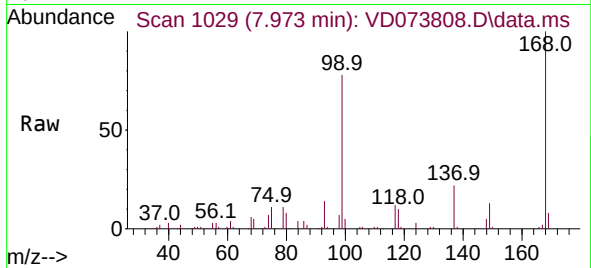




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1028
Delta R.T. 0.006 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

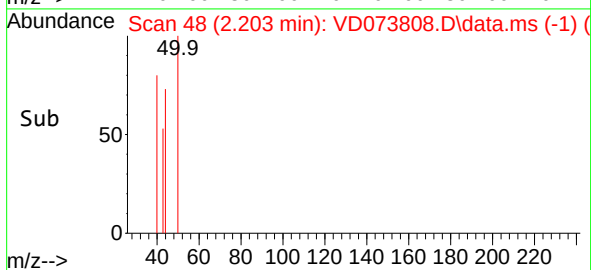
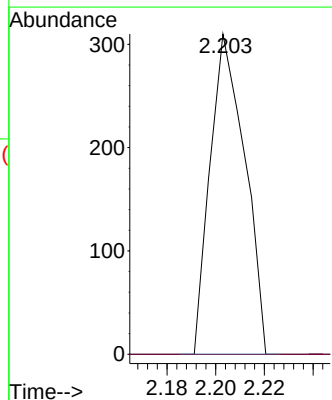
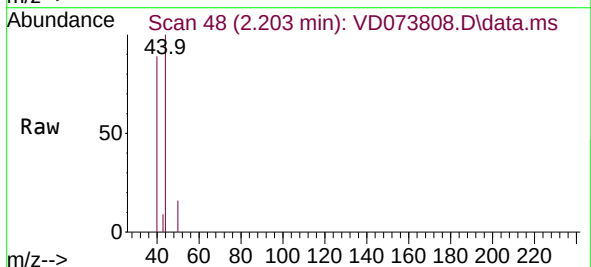
Instrument :
MSVOA_D
ClientSampleId :
D62922

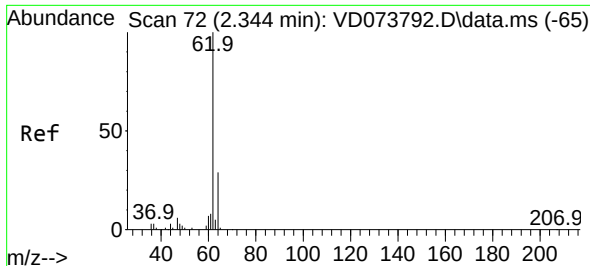
Tgt Ion:168 Resp: 97778
Ion Ratio Lower Upper
168 100
99 78.0 58.4 87.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.005 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

Tgt Ion: 50 Resp: 306
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

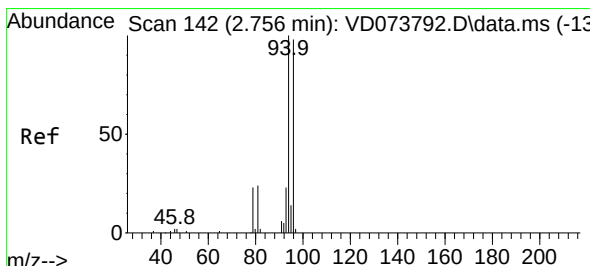
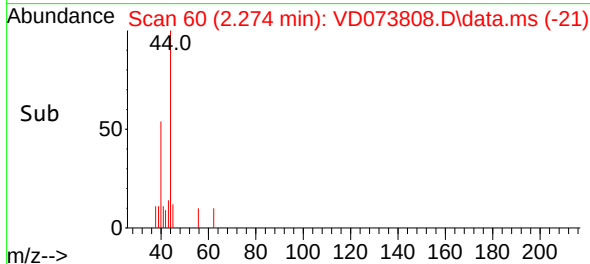
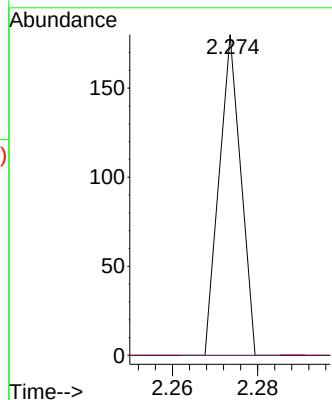
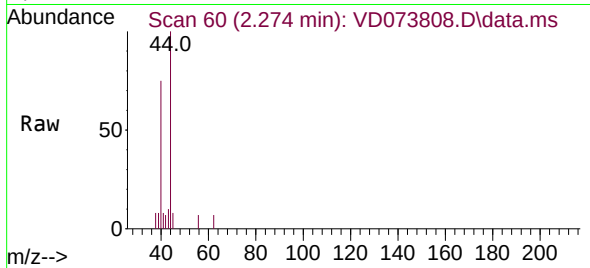




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.274 min Scan# 60
 Delta R.T. -0.070 min
 Lab File: VD073808.D
 Acq: 07 Jul 2022 14:58

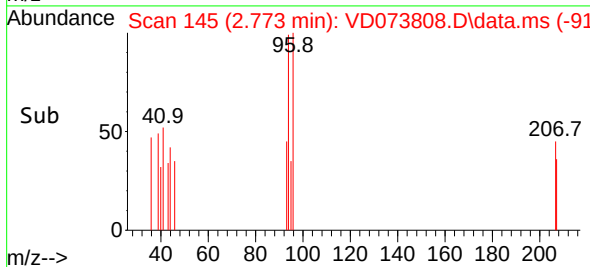
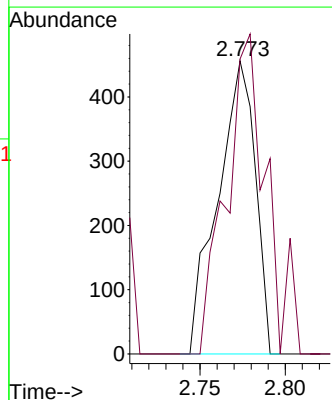
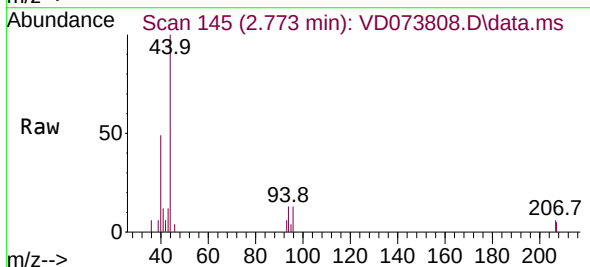
Instrument :
 MSVOA_D
 ClientSampleId :
 D62922

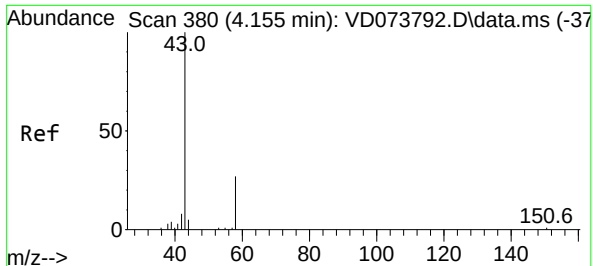
Tgt Ion: 62 Resp: 64
 Ion Ratio Lower Upper
 62 100
 64 0.0 23.4 35.2#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.773 min Scan# 145
 Delta R.T. 0.017 min
 Lab File: VD073808.D
 Acq: 07 Jul 2022 14:58

Tgt Ion: 94 Resp: 702
 Ion Ratio Lower Upper
 94 100
 96 100.7 78.3 117.5

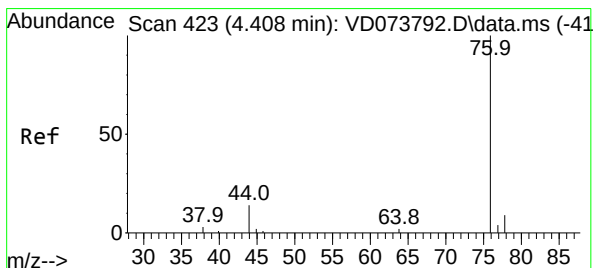
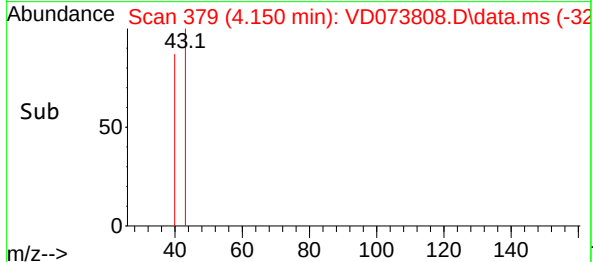
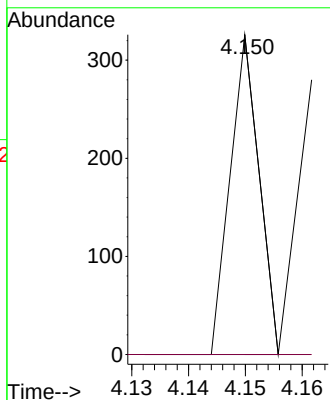
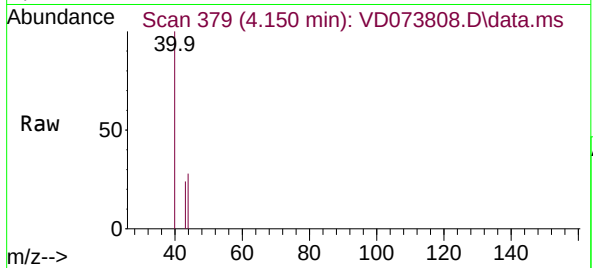




#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

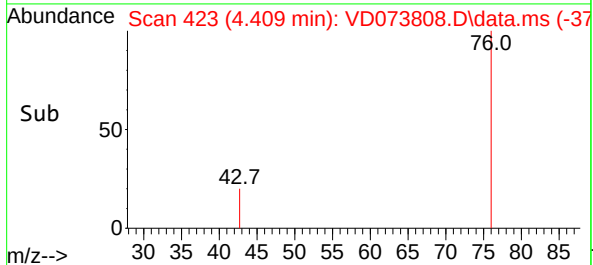
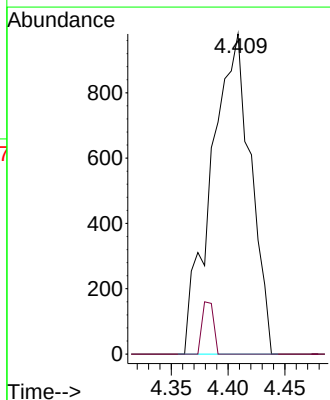
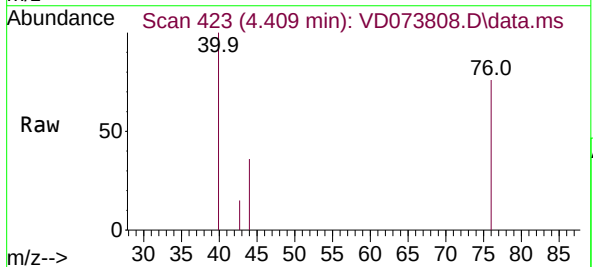
Instrument :
MSVOA_D
ClientSampleId :
D62922

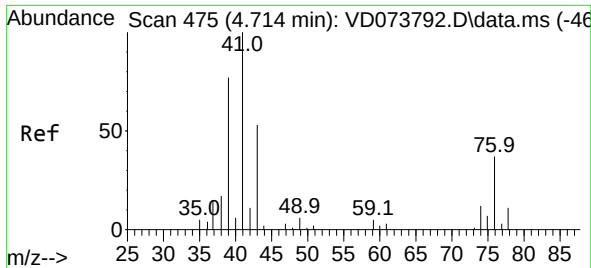
Tgt Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
58 0.0 21.3 31.9#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.409 min Scan# 423
Delta R.T. 0.001 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

Tgt Ion: 76 Resp: 2361
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

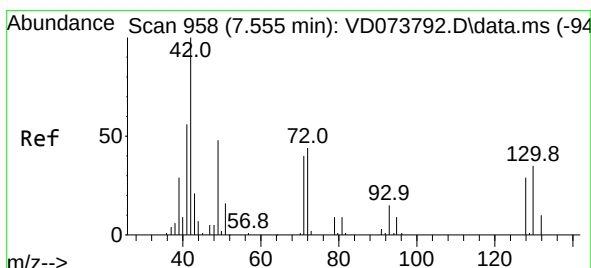
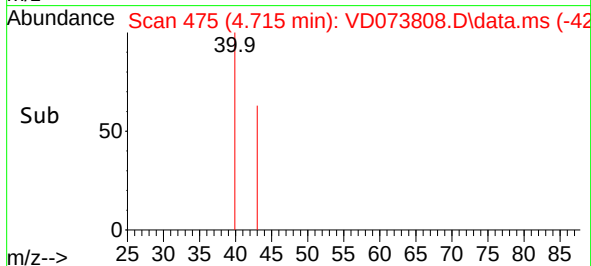
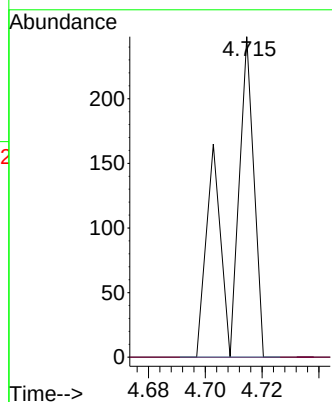
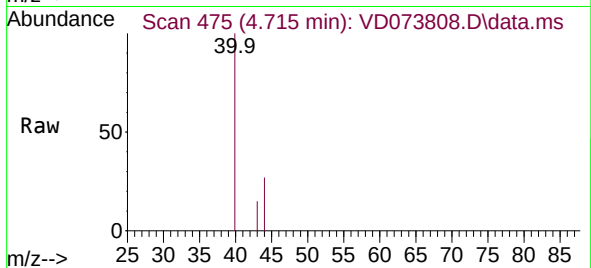




#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

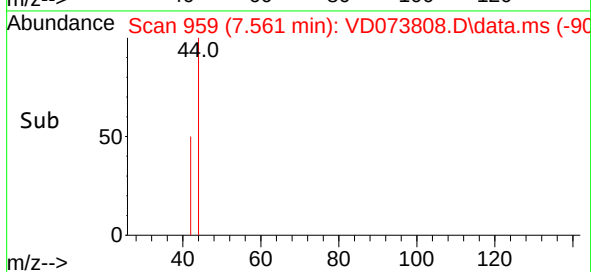
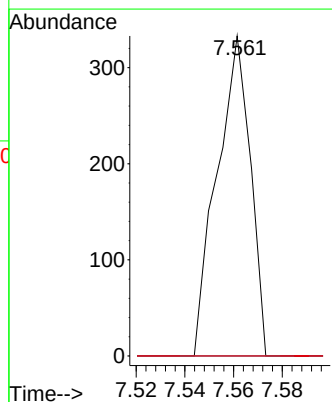
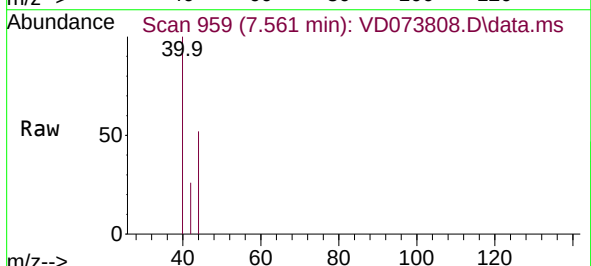
Instrument :
MSVOA_D
ClientSampleId :
D62922

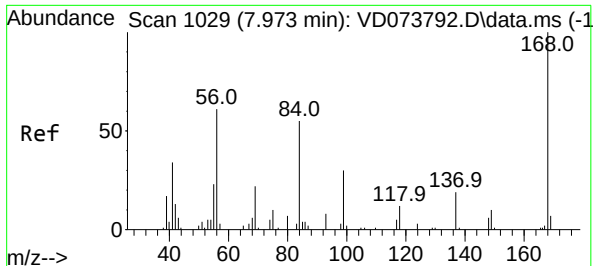
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#29
Tetrahydrofuran
Concen: 1.355 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.006 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

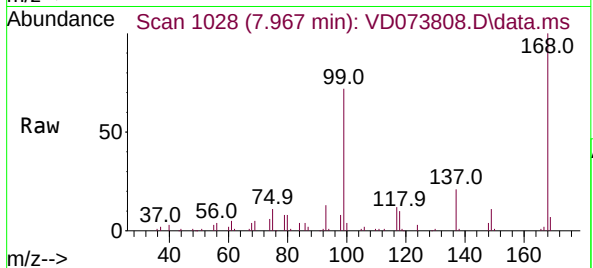
Tgt Ion: 42 Resp: 316
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 33.0 49.6#



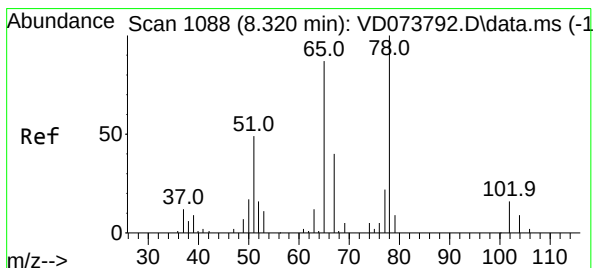
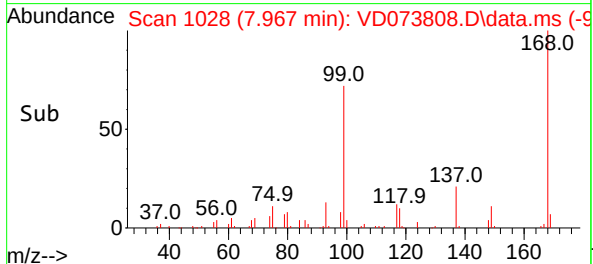
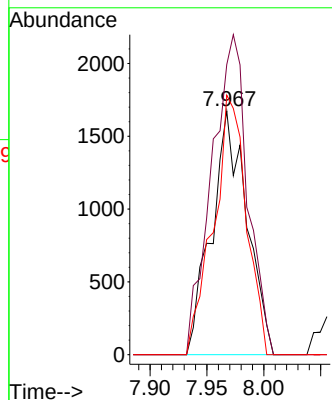


#31
Cyclohexane
Concen: Below Cal
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

Instrument :
MSVOA_D
ClientSampleId :
D62922

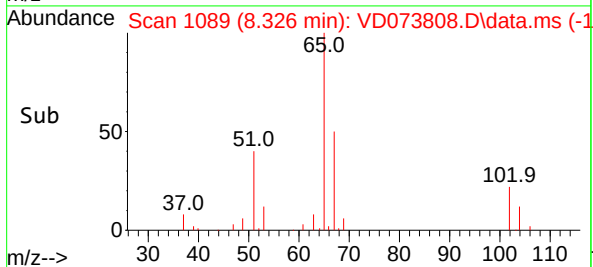
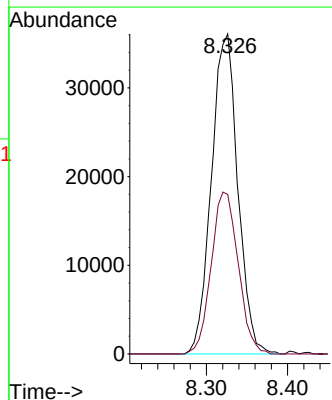
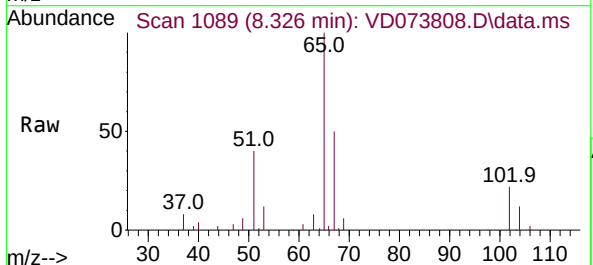


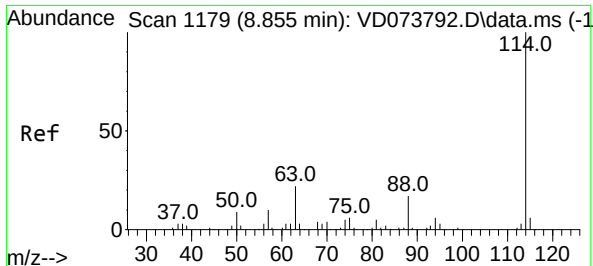
Tgt Ion: 56 Resp: 3625
Ion Ratio Lower Upper
56 100
69 119.0 29.4 44.2#
84 106.5 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 67.866 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

Tgt Ion: 65 Resp: 81646
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073808.D

Acq: 07 Jul 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

D62922

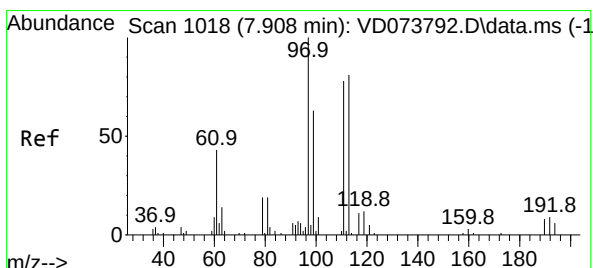
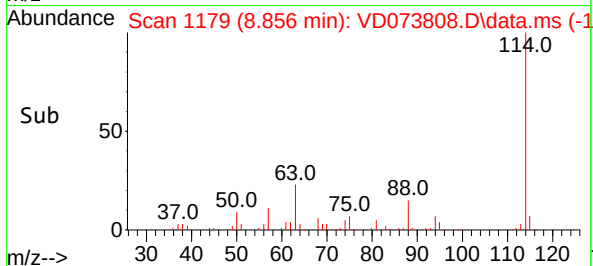
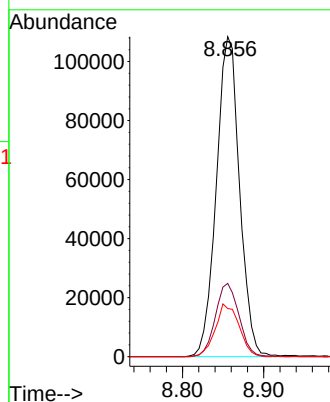
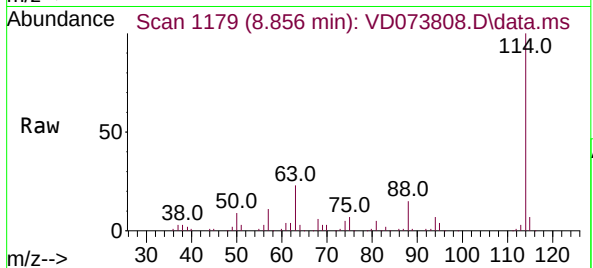
Tgt Ion:114 Resp: 215523

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.2

88 15.0 0.0 33.6



#35

Dibromofluoromethane

Concen: 56.492 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073808.D

Acq: 07 Jul 2022 14:58

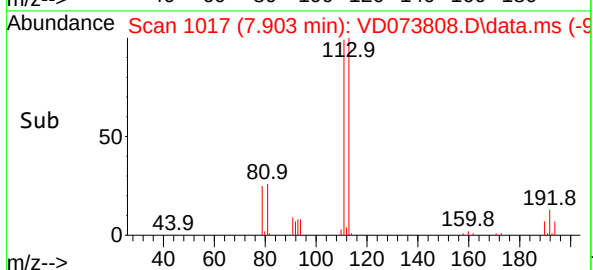
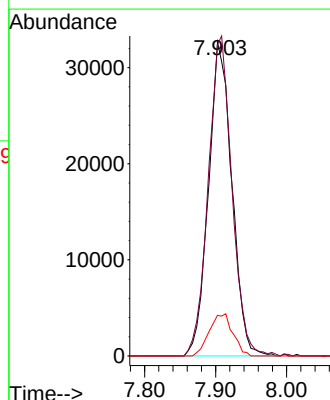
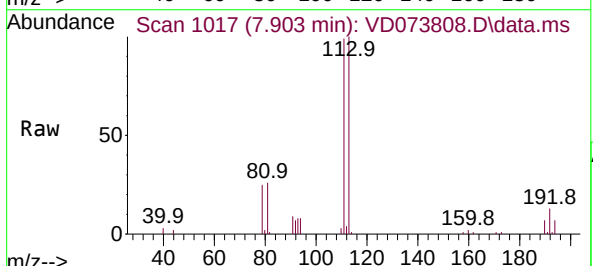
Tgt Ion:113 Resp: 74706

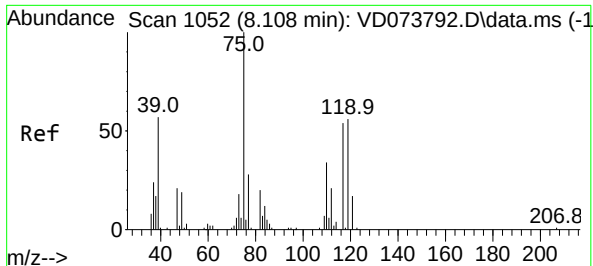
Ion Ratio Lower Upper

113 100

111 103.1 82.7 124.1

192 13.5 11.7 17.5





#36

1,1-Dichloropropene

Concen: 6.111 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073808.D

Acq: 07 Jul 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

D62922

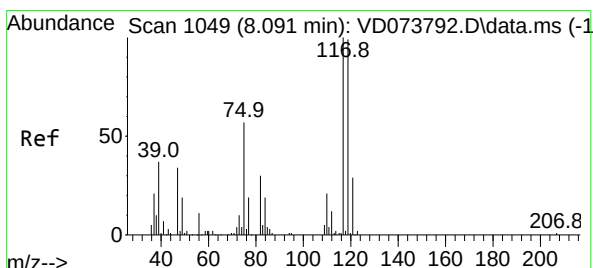
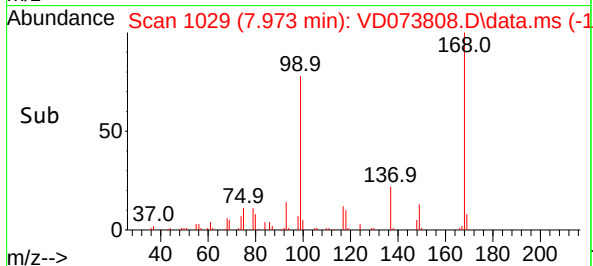
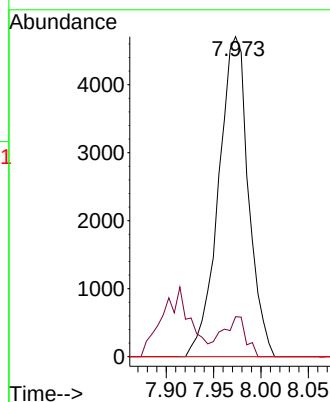
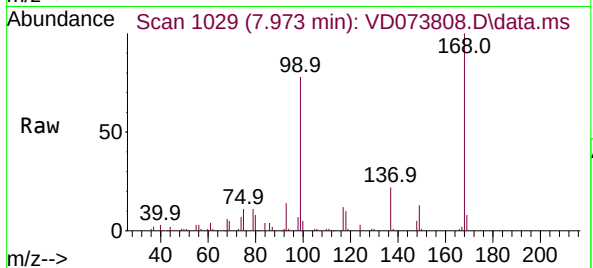
Tgt Ion: 75 Resp: 10339

Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.7#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.390 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.123 min

Lab File: VD073808.D

Acq: 07 Jul 2022 14:58

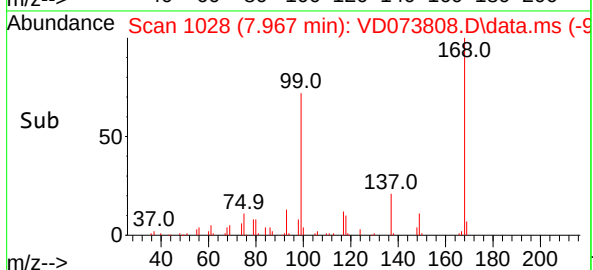
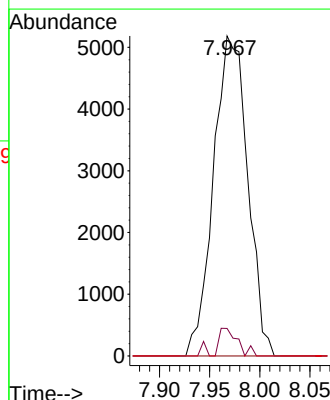
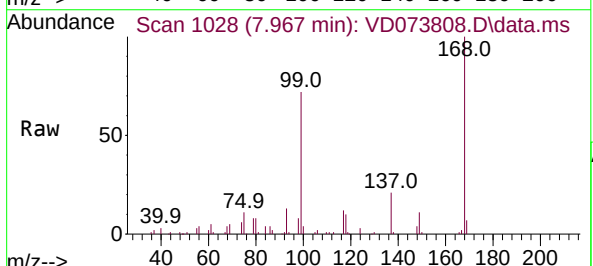
Tgt Ion: 117 Resp: 12291

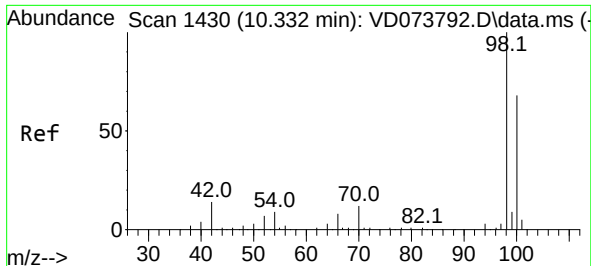
Ion Ratio Lower Upper

117 100

119 8.6 79.3 118.9#

121 0.0 22.9 34.3#

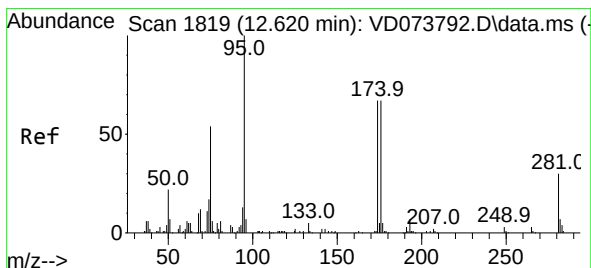
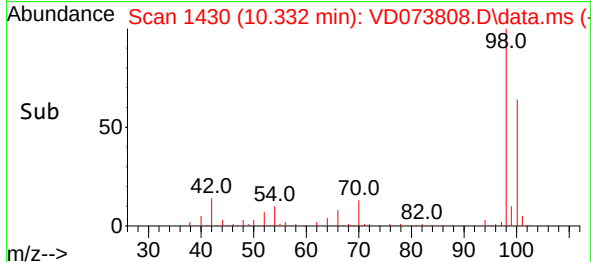
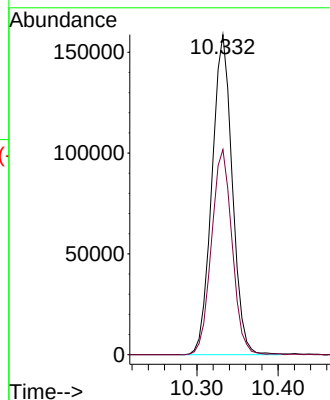
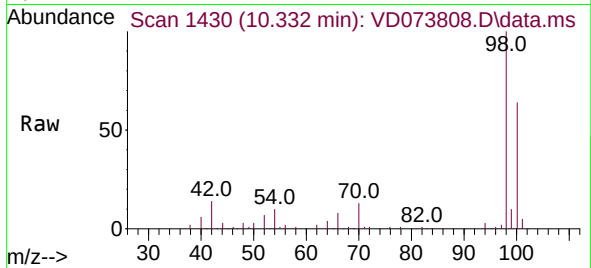




#50
Toluene-d8
Concen: 61.588 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

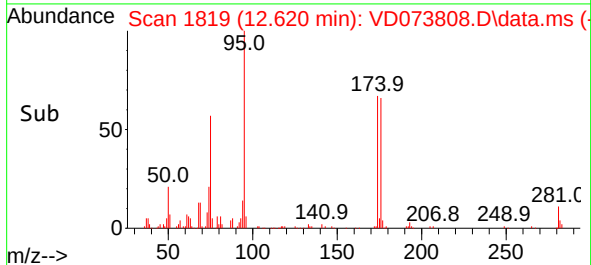
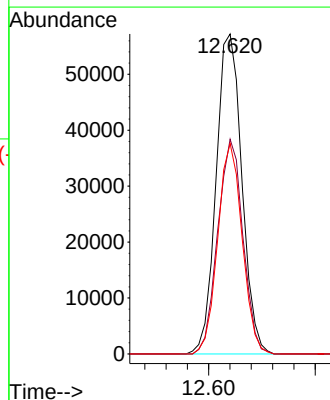
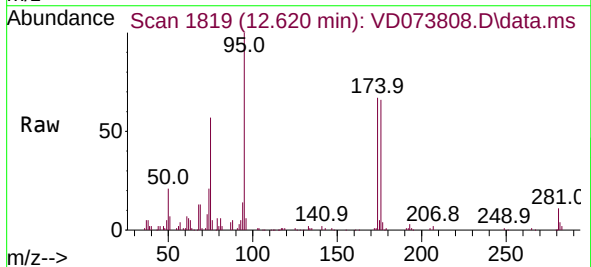
Instrument :
MSVOA_D
ClientSampleId :
D62922

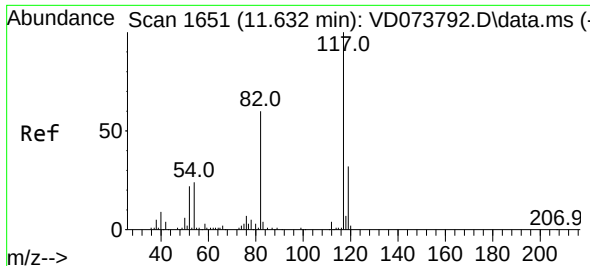
Tgt Ion: 98 Resp: 275904
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 52.073 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

Tgt Ion: 95 Resp: 95889
Ion Ratio Lower Upper
95 100
174 65.6 0.0 132.4
176 62.4 0.0 129.0

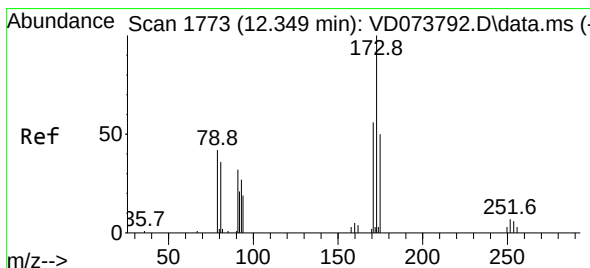
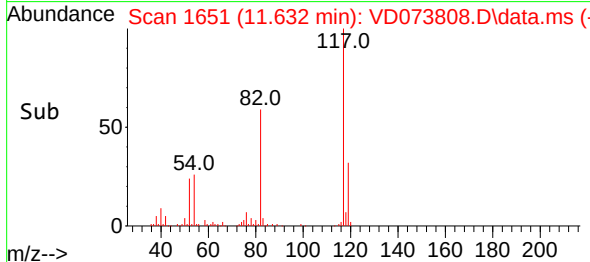
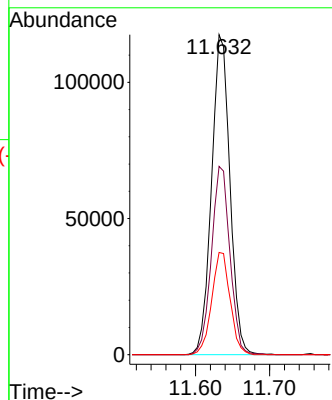
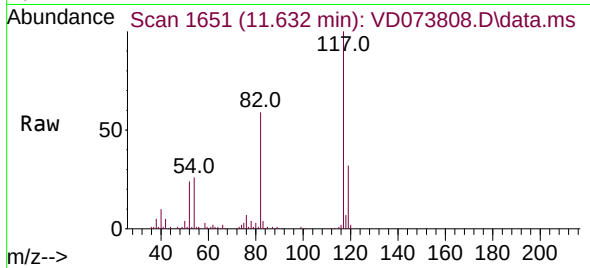




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

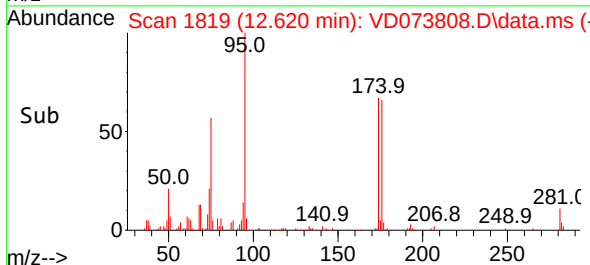
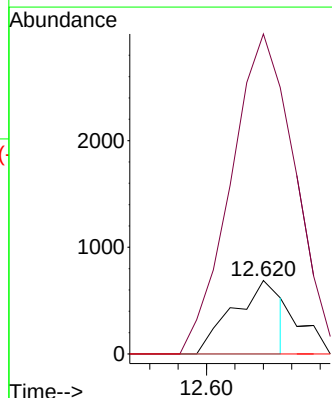
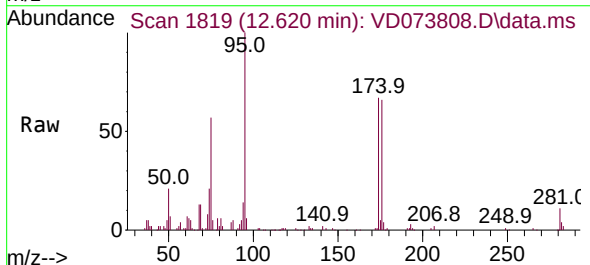
Instrument :
MSVOA_D
ClientSampleId :
D62922

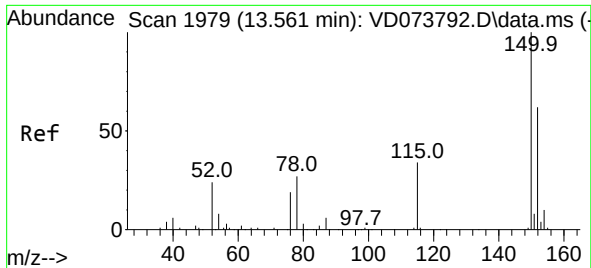
Tgt Ion:117 Resp: 202234
Ion Ratio Lower Upper
117 100
82 58.8 48.2 72.2
119 32.0 25.2 37.8



#71
Bromoform
Concen: 1.066 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073808.D
Acq: 07 Jul 2022 14:58

Tgt Ion:173 Resp: 814
Ion Ratio Lower Upper
173 100
175 465.4 23.8 71.5#
254 0.0 0.0 0.0

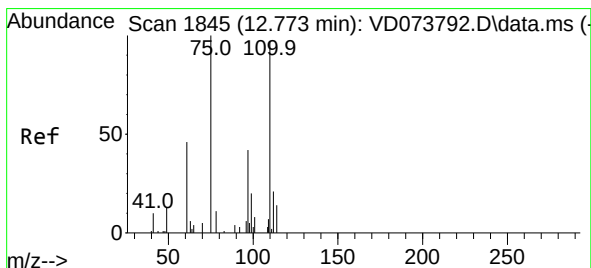
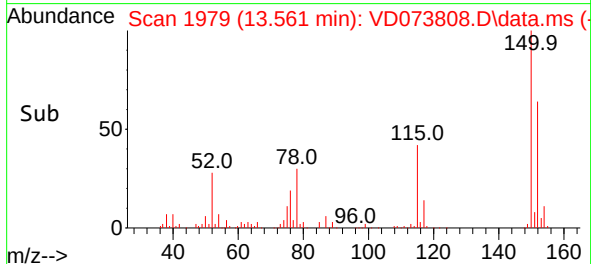
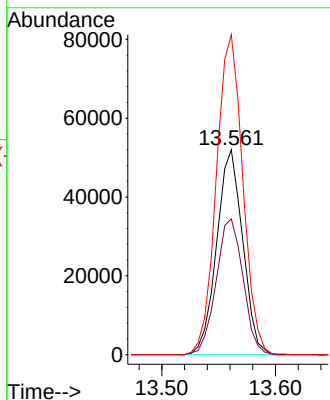
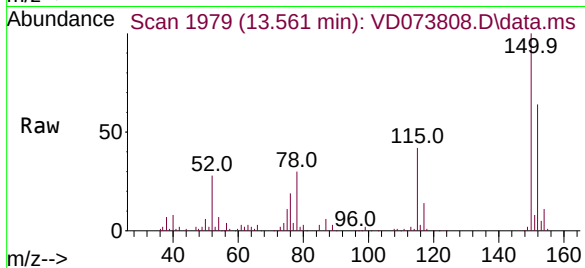




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073808.D
 Acq: 07 Jul 2022 14:58

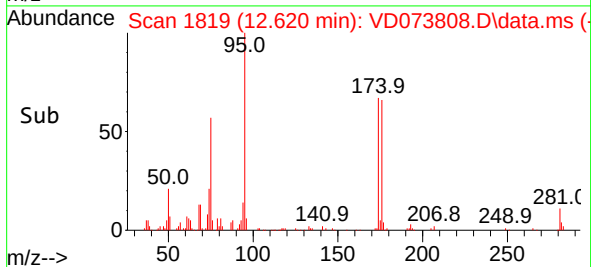
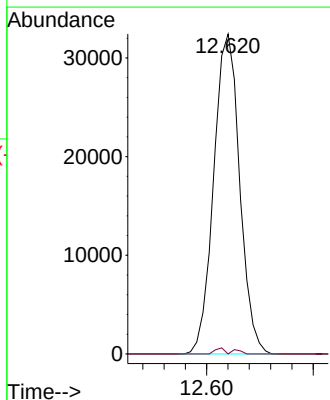
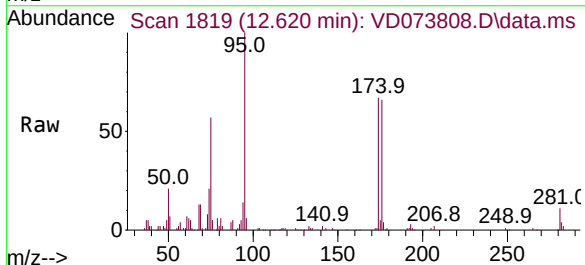
Instrument :
 MSVOA_D
 ClientSampleId :
 D62922

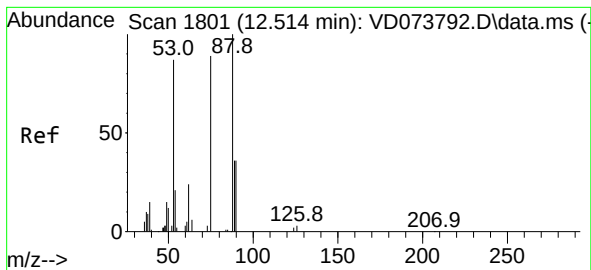
Tgt Ion:152 Resp: 82675
 Ion Ratio Lower Upper
 152 100
 115 68.4 32.2 96.6
 150 158.9 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 60.853 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073808.D
 Acq: 07 Jul 2022 14:58

Tgt Ion: 75 Resp: 54776
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.951 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073808.D
 Acq: 07 Jul 2022 14:58

Instrument :
 MSVOA_D
 ClientSampleId :
 D62922

Tgt Ion: 75 Resp: 54776
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.6 116.4#
 89 0.1 37.2 55.8#

