

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080322\
 Data File : VD073939.D
 Acq On : 03 Aug 2022 12:43
 Operator : VA/SY
 Sample : VD0803SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0803

Quant Time: Aug 04 02:49:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 02 05:13:57 2022
 Response via : Initial Calibration

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

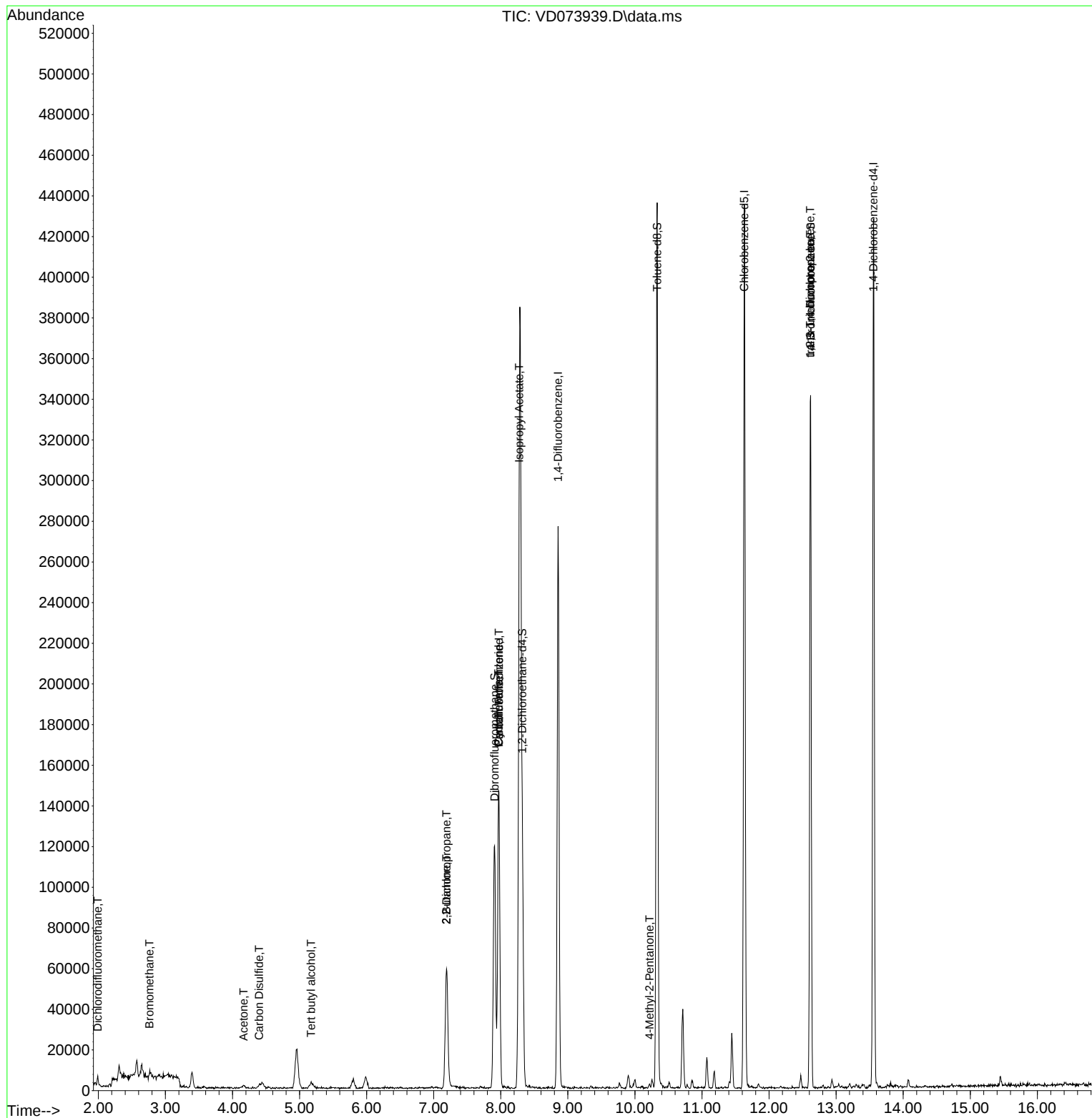
Internal Standards						
1) Pentafluorobenzene	7.973	168	103791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	227439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	241047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	109979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	75614	92.466	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	184.940%#
35) Dibromofluoromethane	7.908	113	85438	60.461	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	120.920%
50) Toluene-d8	10.332	98	295256	62.028	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	124.060%
62) 4-Bromofluorobenzene	12.620	95	104631	59.773	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	119.540%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2790	2.221	ug/l	91
5) Bromomethane	2.762	94	2089	1.819	ug/l #	57
11) Tert butyl alcohol	5.173	59	1573	5.260	ug/l #	75
16) Acetone	4.167	43	2391	20.298	ug/l	100
17) Carbon Disulfide	4.397	76	3355	2.916	ug/l #	75
18) Methyl Acetate	4.873	43	59	Below Cal	#	48
25) 2-Butanone	7.191	43	3106	12.261	ug/l #	74
26) 2,2-Dichloropropane	7.191	77	4295	2.336	ug/l #	52
31) Cyclohexane	7.967	56	3170	1.972	ug/l #	39
38) Carbon Tetrachloride	7.973	117	11459	5.082	ug/l #	15
43) Isopropyl Acetate	8.273	43	8920	6.010	ug/l #	60
51) 4-Methyl-2-Pentanone	10.220	43	1112	1.501	ug/l	97
76) 1,2,3-Trichloropropane	12.614	75	56991	69.902	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	56991	148.669	ug/l #	13

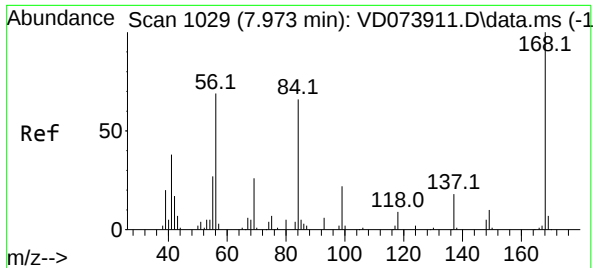
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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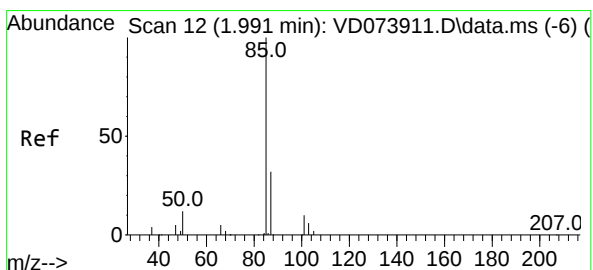
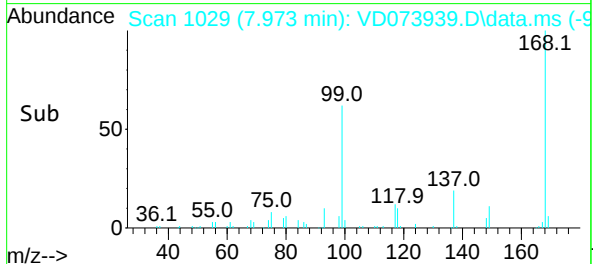
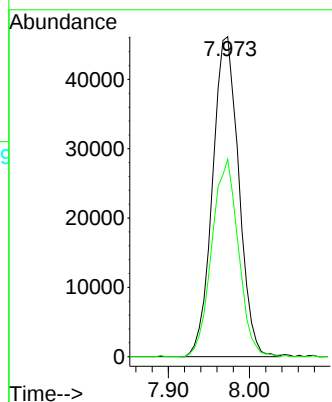
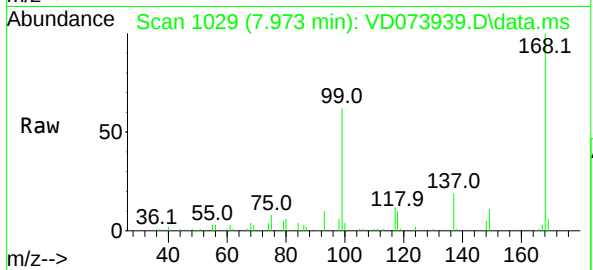




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

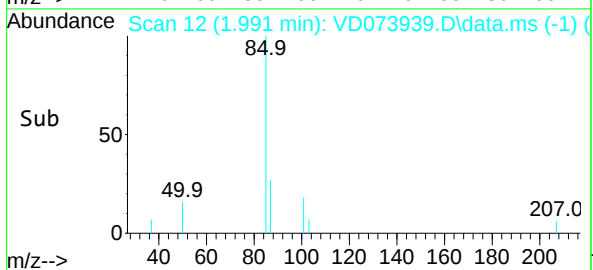
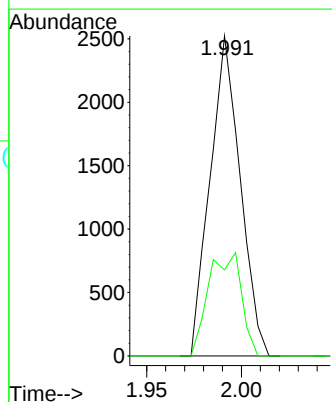
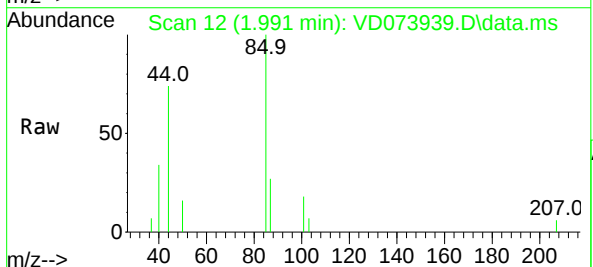
Instrument :
MSVOA_D
ClientSampleId :
VD0803

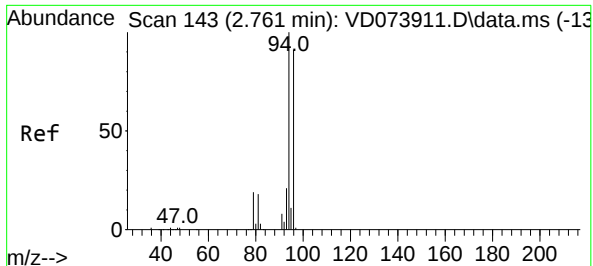
Tgt Ion:168 Resp: 103791
Ion Ratio Lower Upper
168 100
99 61.6 52.2 78.4



#2
Dichlorodifluoromethane
Concen: 2.221 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

Tgt Ion: 85 Resp: 2790
Ion Ratio Lower Upper
85 100
87 26.9 16.1 48.2

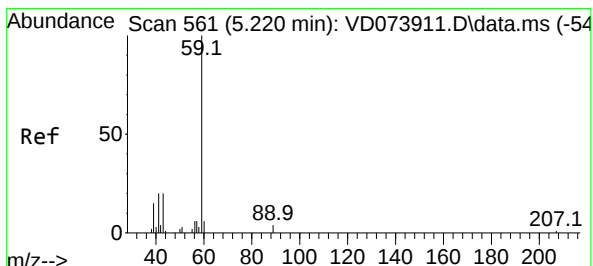
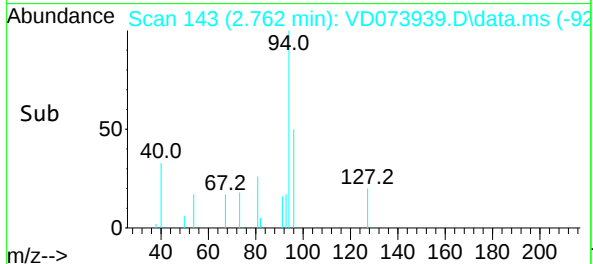
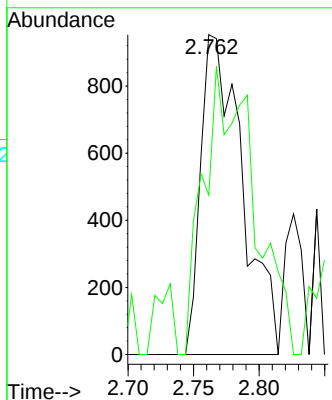
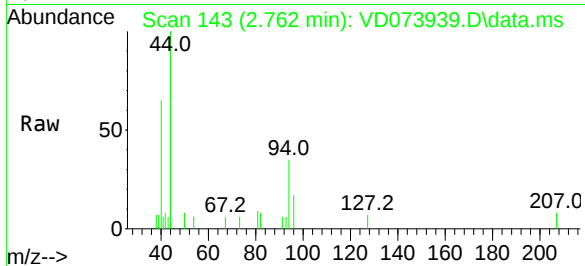




#5
Bromomethane
Concen: 1.819 ug/l
RT: 2.762 min Scan# 143
Delta R.T. 0.000 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

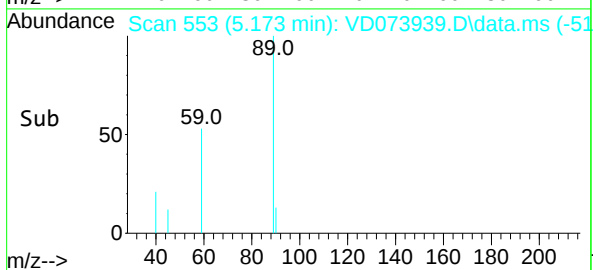
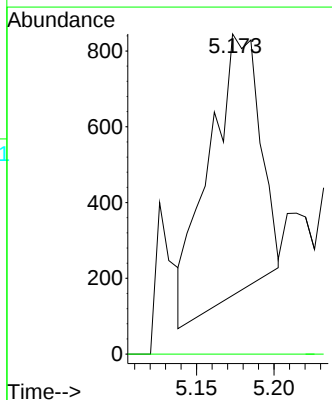
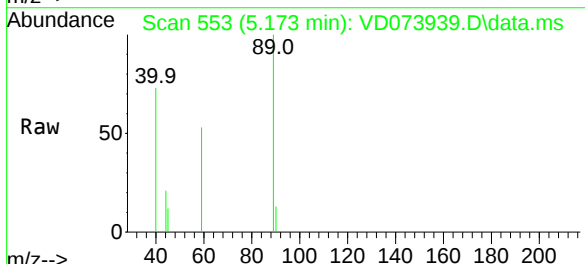
Instrument :
MSVOA_D
ClientSampleId :
VD0803

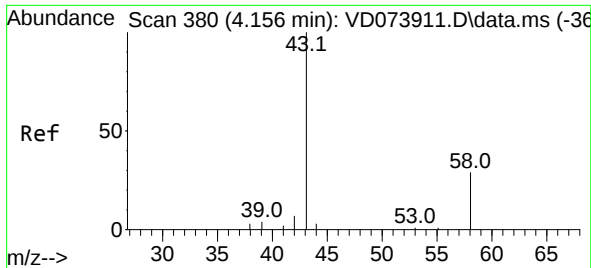
Tgt Ion: 94 Resp: 2089
Ion Ratio Lower Upper
94 100
96 49.8 72.7 109.1#



#11
Tert butyl alcohol
Concen: 5.260 ug/l
RT: 5.173 min Scan# 553
Delta R.T. -0.047 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

Tgt Ion: 59 Resp: 1573
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

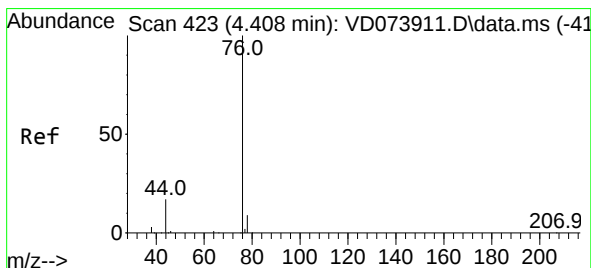
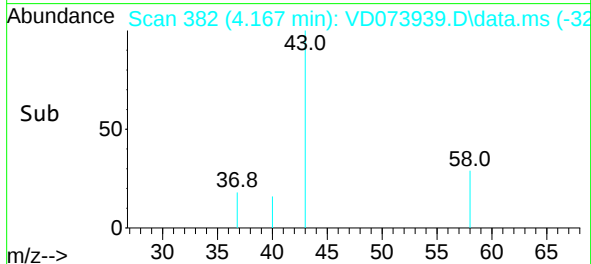
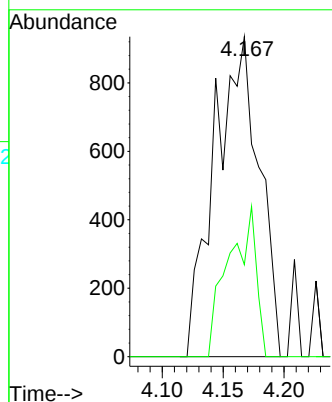
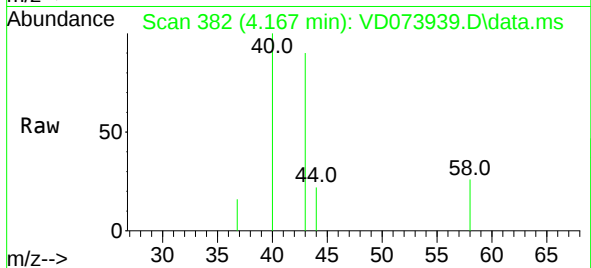




#16
Acetone
Concen: 20.298 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

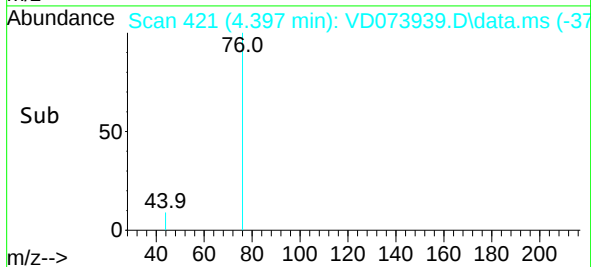
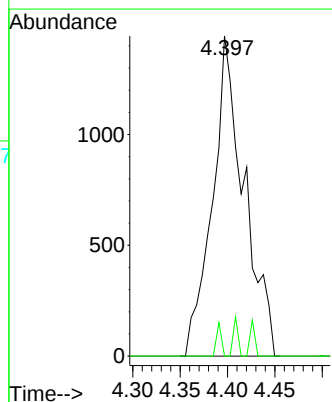
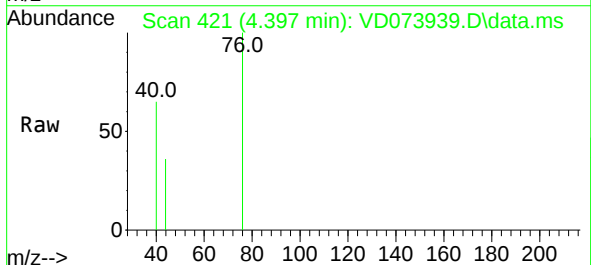
Instrument :
MSVOA_D
ClientSampleId :
VD0803

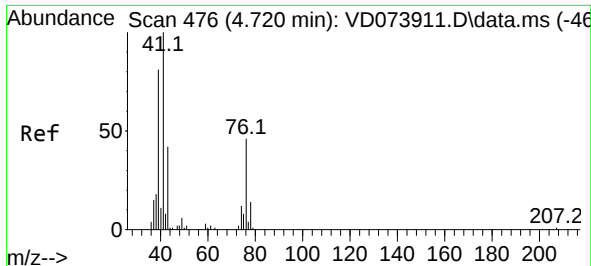
Tgt Ion: 43 Resp: 2391
Ion Ratio Lower Upper
43 100
58 28.8 23.0 34.6



#17
Carbon Disulfide
Concen: 2.916 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.011 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

Tgt Ion: 76 Resp: 3355
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.873 min Scan# 50

Delta R.T. 0.153 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

Instrument :

MSVOA_D

ClientSampleId :

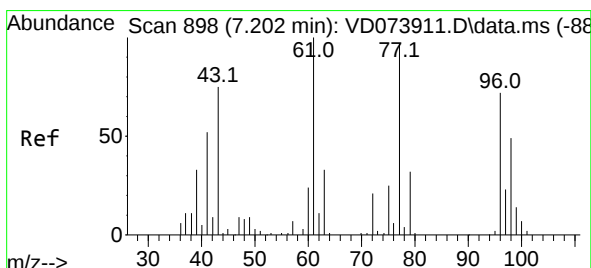
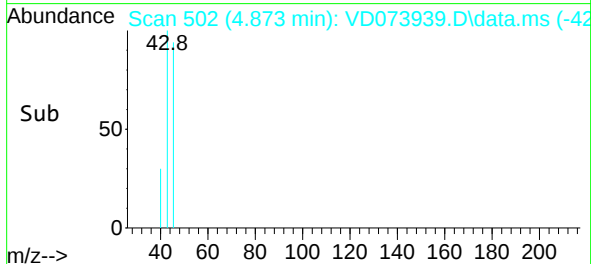
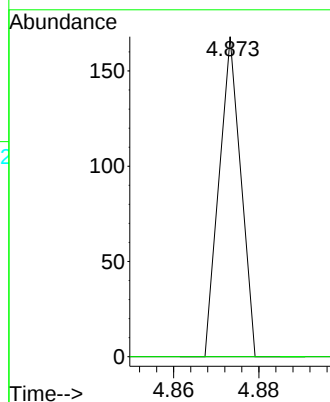
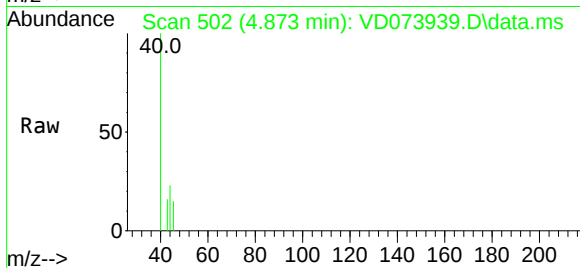
VD0803

Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

74 0.0 21.2 31.8#



#25

2-Butanone

Concen: 12.261 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.012 min

Lab File: VD073939.D

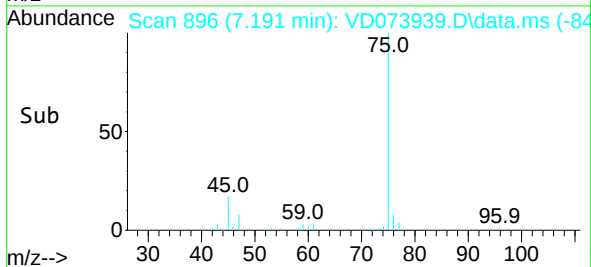
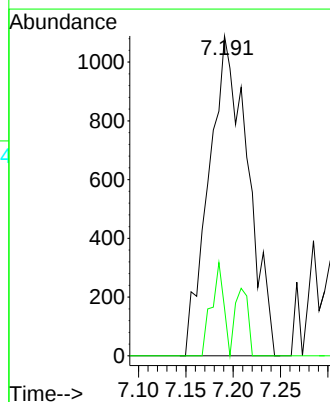
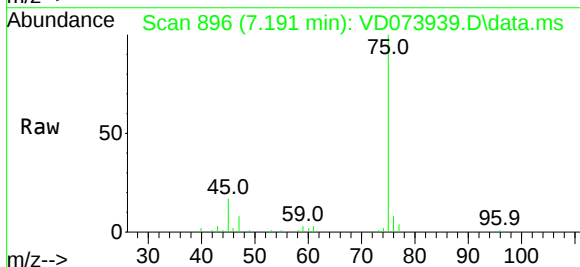
Acq: 03 Aug 2022 12:43

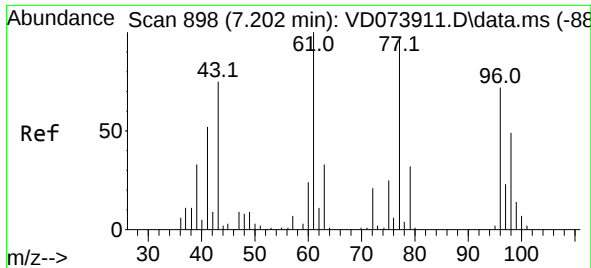
Tgt Ion: 43 Resp: 3106

Ion Ratio Lower Upper

43 100

72 14.9 22.7 34.1#





#26

2,2-Dichloropropane

Concen: 2.336 ug/l

RT: 7.191 min Scan# 84

Delta R.T. -0.012 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

Instrument :

MSVOA_D

ClientSampleId :

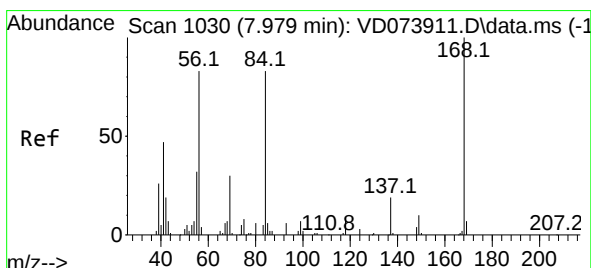
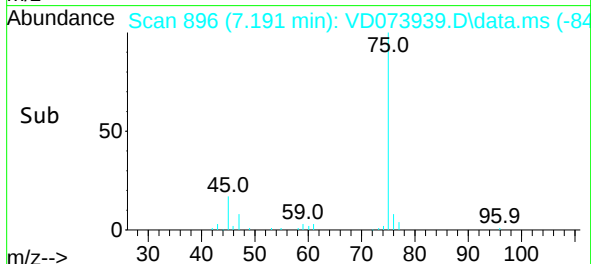
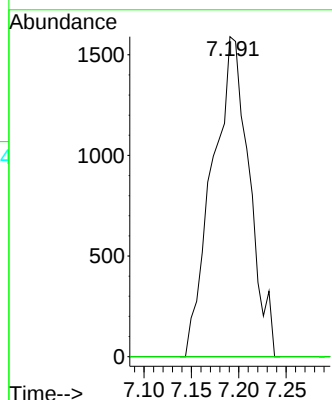
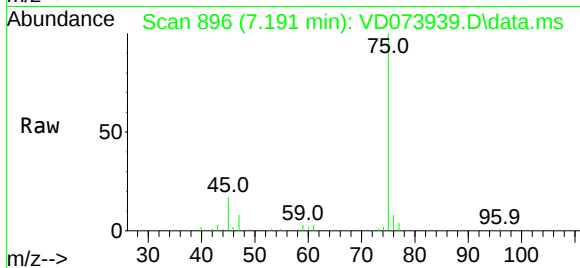
VD0803

Tgt Ion: 77 Resp: 4295

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 1.972 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

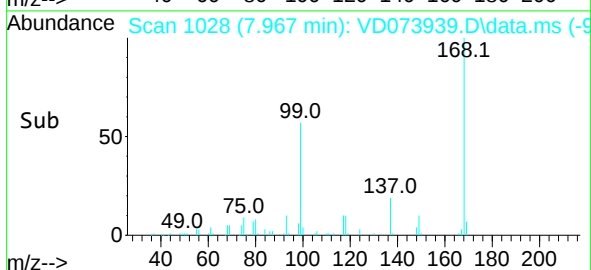
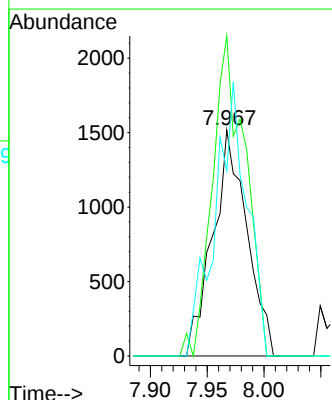
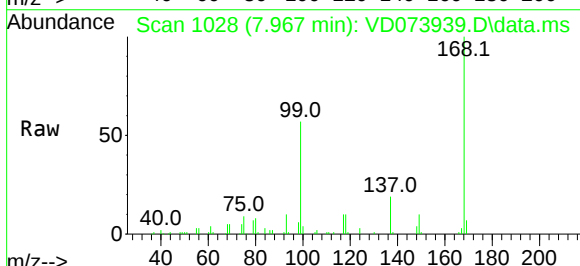
Tgt Ion: 56 Resp: 3170

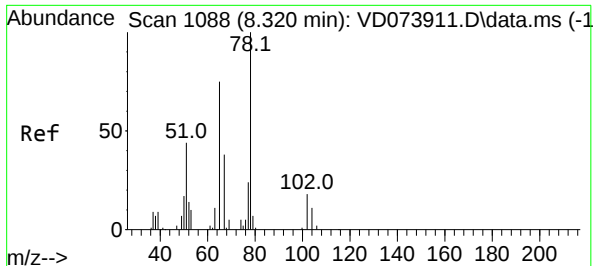
Ion Ratio Lower Upper

56 100

69 141.7 29.2 43.8#

84 82.1 80.0 120.0





#33

1,2-Dichloroethane-d4

Concen: 92.466 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

Instrument :

MSVOA_D

ClientSampleId :

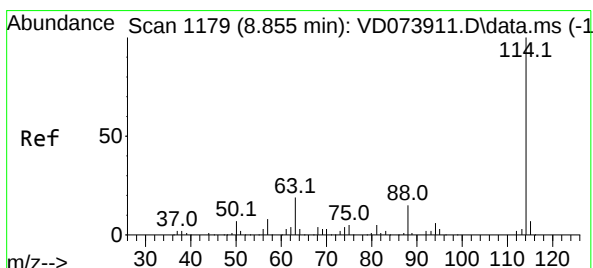
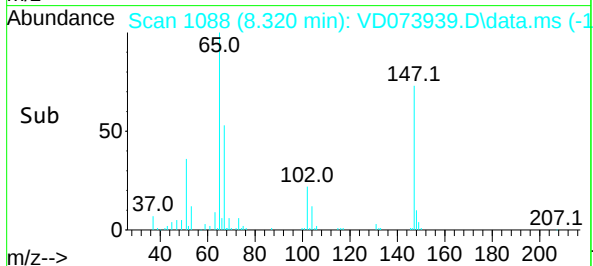
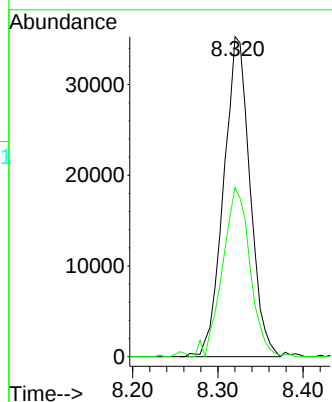
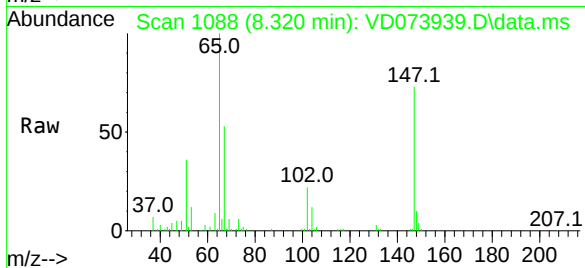
VD0803

Tgt Ion: 65 Resp: 75614

Ion Ratio Lower Upper

65 100

67 55.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

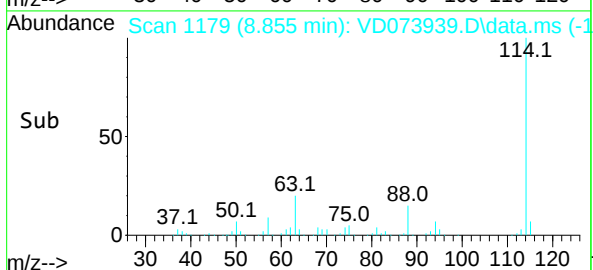
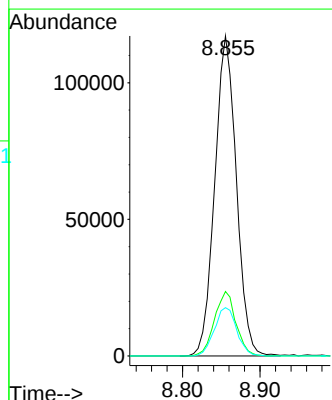
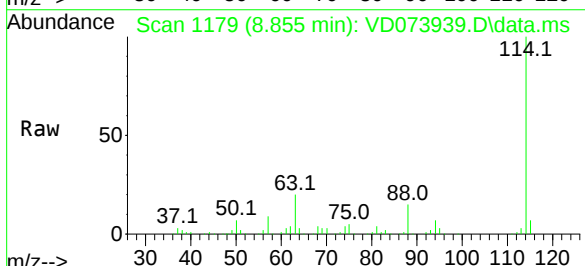
Tgt Ion: 114 Resp: 227439

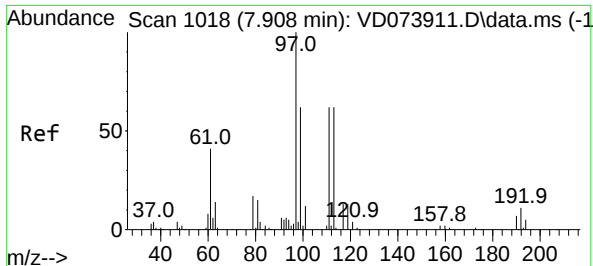
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.6

88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 60.461 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0803

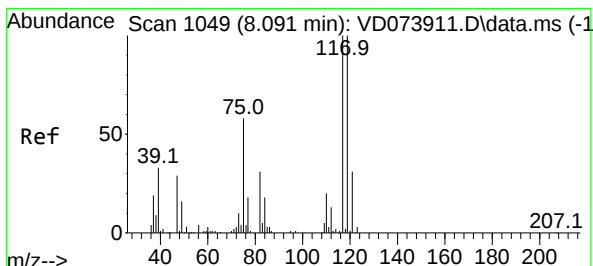
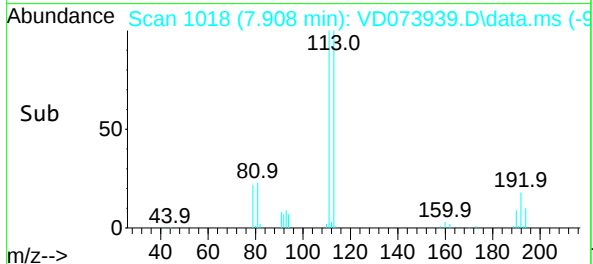
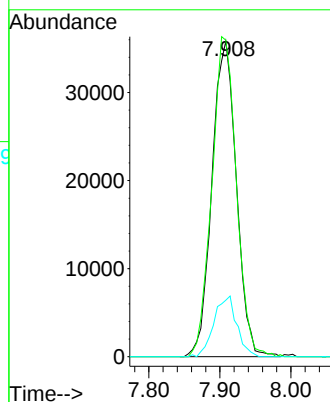
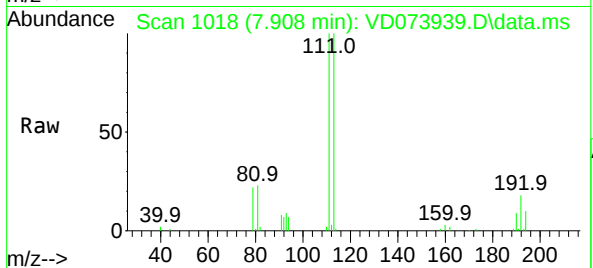
Tgt Ion:113 Resp: 85438

Ion Ratio Lower Upper

113 100

111 101.9 83.7 125.5

192 17.9 15.0 22.6



#38

Carbon Tetrachloride

Concen: 5.082 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

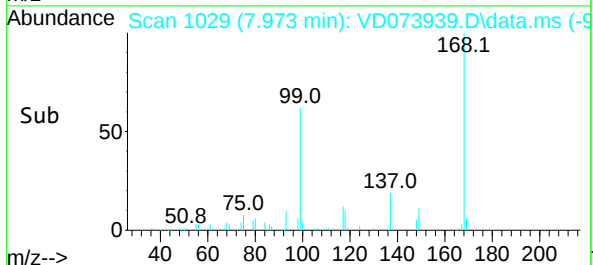
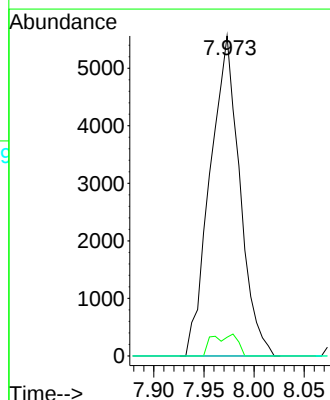
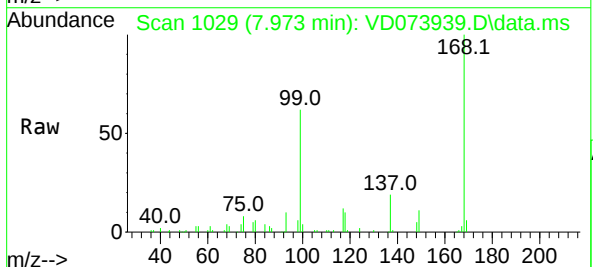
Tgt Ion:117 Resp: 11459

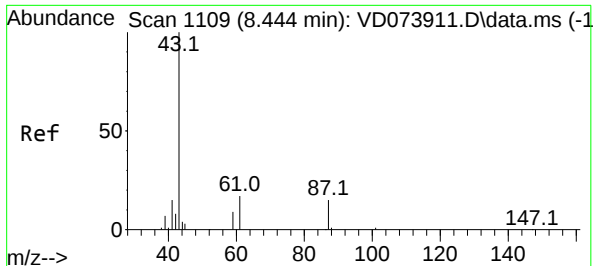
Ion Ratio Lower Upper

117 100

119 5.9 79.6 119.4#

121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 6.010 ug/l

RT: 8.273 min Scan# 1080

Delta R.T. -0.170 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0803

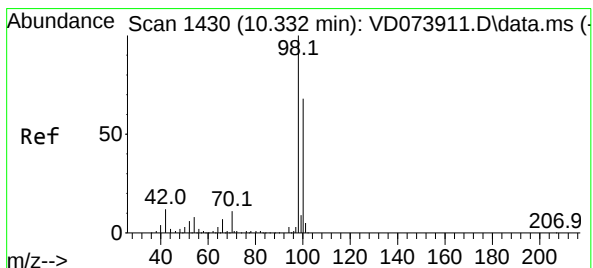
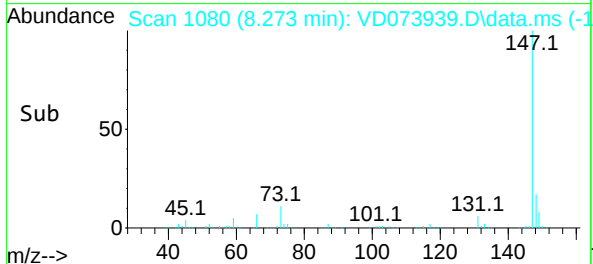
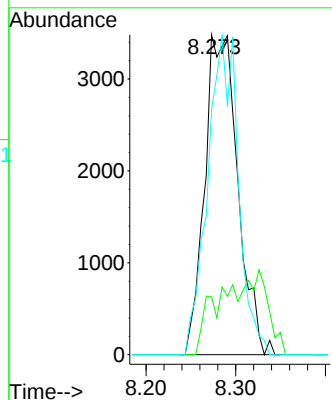
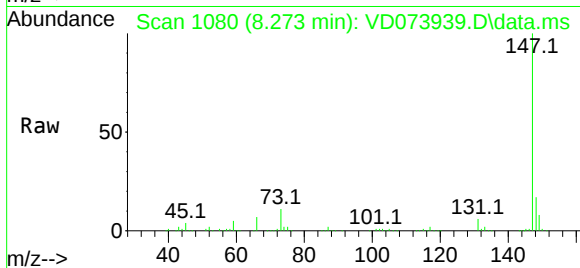
Tgt Ion: 43 Resp: 8920

Ion Ratio Lower Upper

43 100

61 7.7 24.6 37.0#

87 0.0 12.2 18.2#



#50

Toluene-d8

Concen: 62.028 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD073939.D

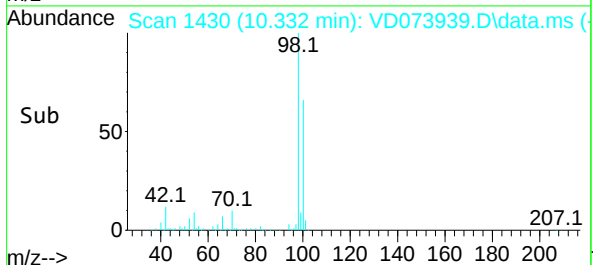
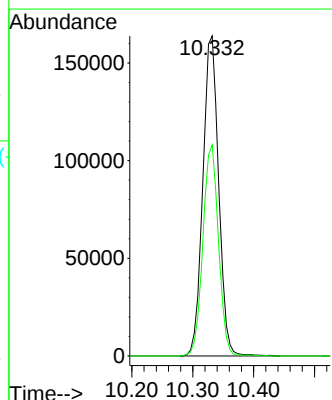
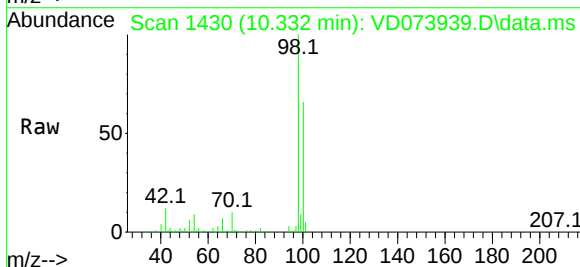
Acq: 03 Aug 2022 12:43

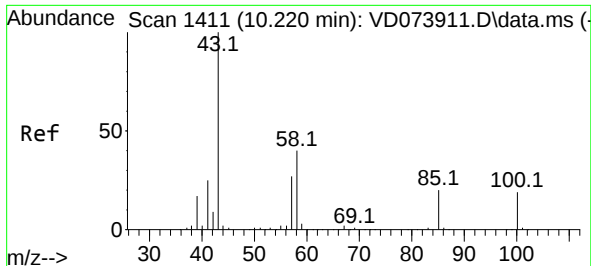
Tgt Ion: 98 Resp: 295256

Ion Ratio Lower Upper

98 100

100 65.1 53.1 79.7

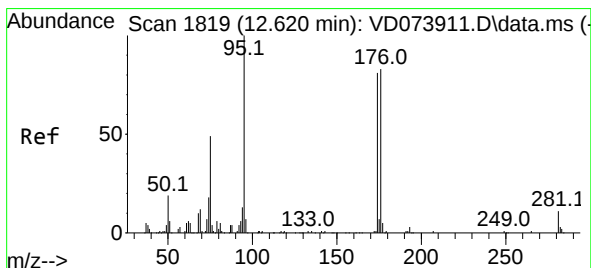
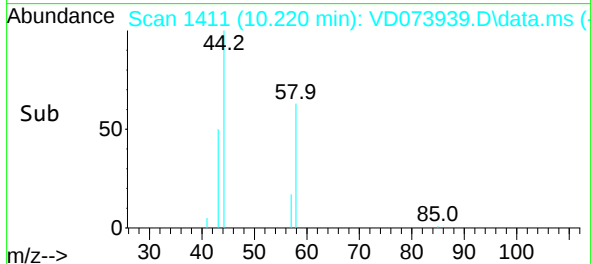
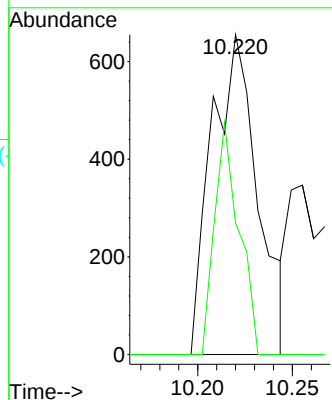
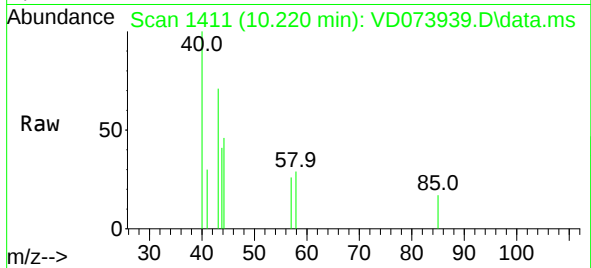




#51
4-Methyl-2-Pentanone
Concen: 1.501 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

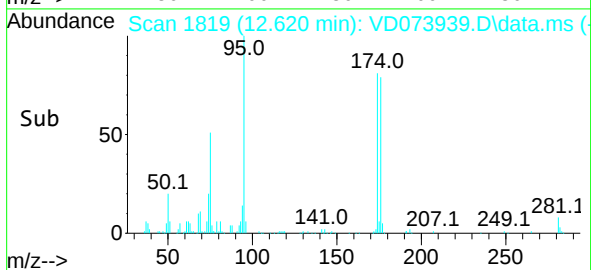
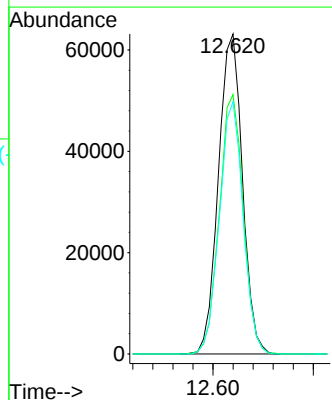
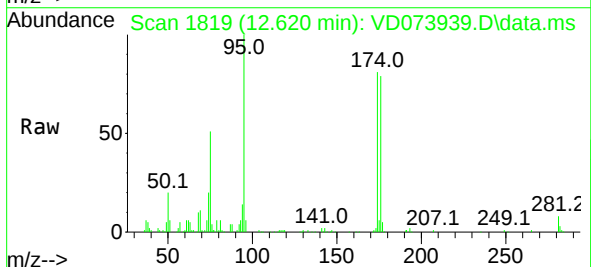
Instrument :
MSVOA_D
ClientSampleId :
VD0803

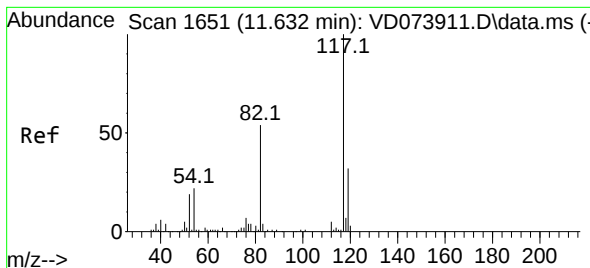
Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
58 38.3 32.1 48.1



#62
4-Bromofluorobenzene
Concen: 59.773 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

Tgt Ion: 95 Resp: 104631
Ion Ratio Lower Upper
95 100
174 80.8 0.0 164.2
176 77.8 0.0 161.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0803

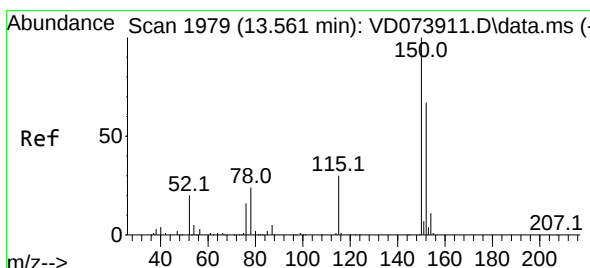
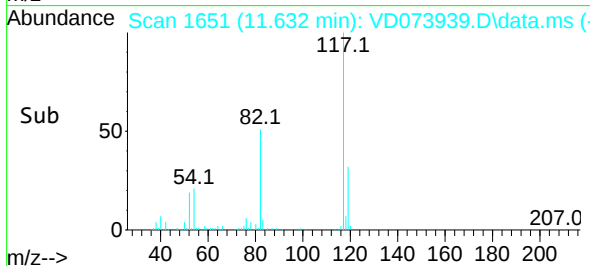
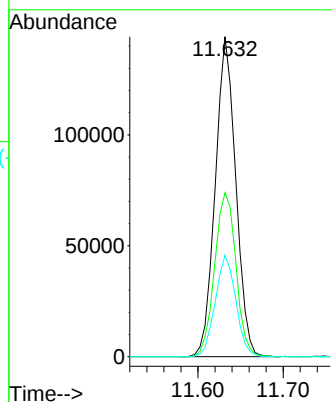
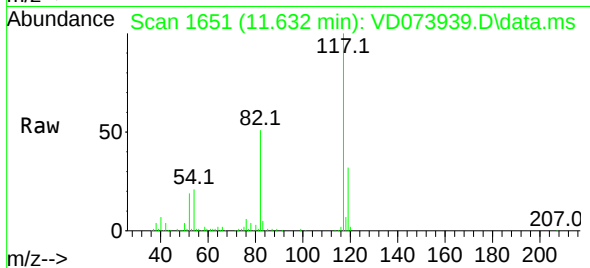
Tgt Ion:117 Resp: 241047

Ion Ratio Lower Upper

117 100

82 51.3 43.3 64.9

119 31.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1978

Delta R.T. -0.006 min

Lab File: VD073939.D

Acq: 03 Aug 2022 12:43

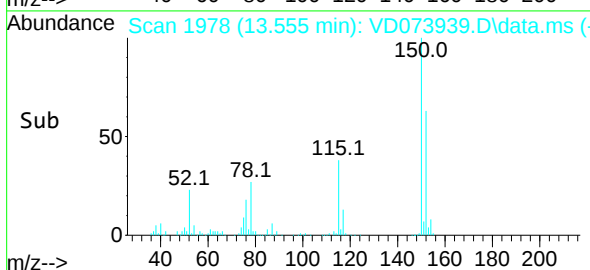
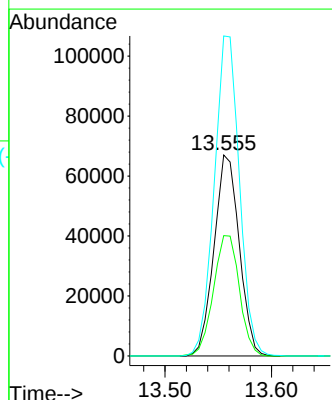
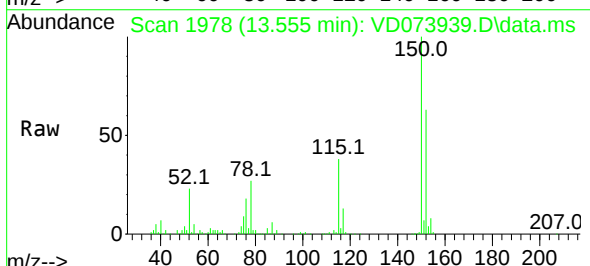
Tgt Ion:152 Resp: 109979

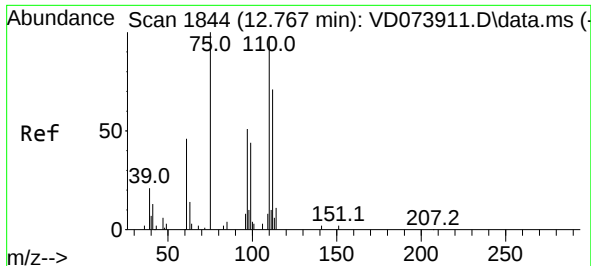
Ion Ratio Lower Upper

152 100

115 61.7 29.1 87.3

150 159.2 0.0 338.2

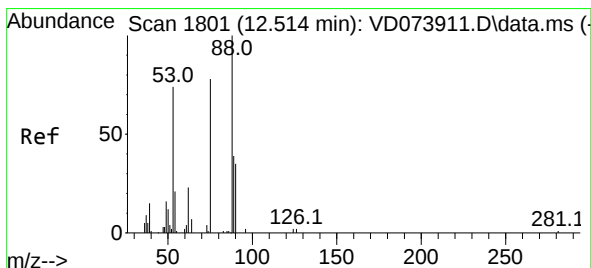
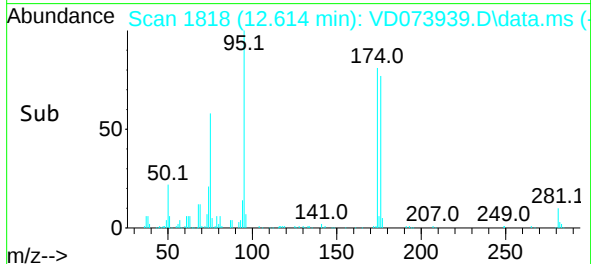
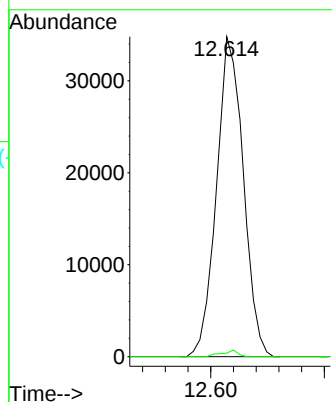
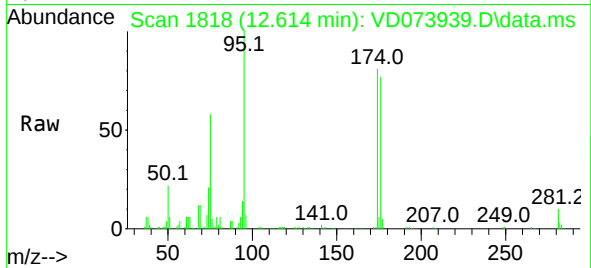




#76
1,2,3-Trichloropropane
Concen: 69.902 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0803

Tgt Ion: 75 Resp: 56991
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.669 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD073939.D
Acq: 03 Aug 2022 12:43

Tgt Ion: 75 Resp: 56991
Ion Ratio Lower Upper
75 100
53 0.0 71.6 107.4#
89 0.2 39.8 59.6#

