

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032237.D
 Acq On : 20 Oct 2022 03:23
 Operator : JC/MD
 Sample : N5189-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1431-2

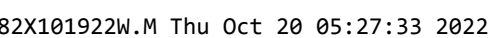
Quant Time: Oct 20 05:27:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	132117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	95036	55.295	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.600%
35) Dibromofluoromethane	5.391	113	72569	48.914	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.820%
50) Toluene-d8	8.647	98	266830	49.963	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.920%
62) 4-Bromofluorobenzene	11.079	95	96249	49.217	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.440%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	472	Below Cal	#	44
6) Chloroethane	1.685	64	311	2.182	ug/l #	41
11) Tert butyl alcohol	2.989	59	187	Below Cal	#	74
16) Acetone	2.398	43	519	0.931	ug/l #	81
31) Cyclohexane	5.556	56	2982	1.518	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	10671	5.591	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13633	6.767	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1234	0.671	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	53051	30.123	ug/l #	44
81) trans-1,4-Dichloro-2-b...	11.079	75	53051	92.169	ug/l #	6

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

Quant Time: Oct 20 05:27:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
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Response via : Initial Calibration

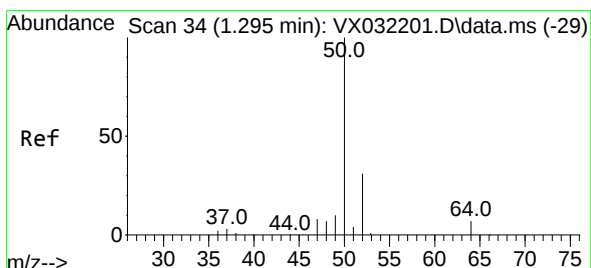
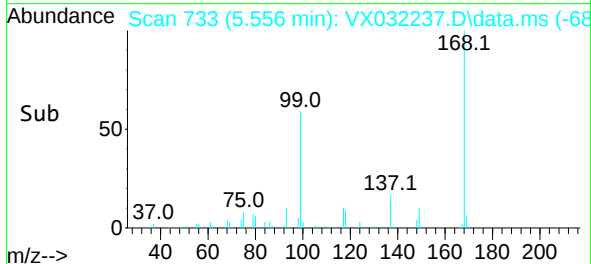
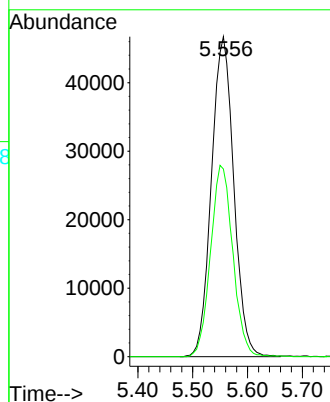
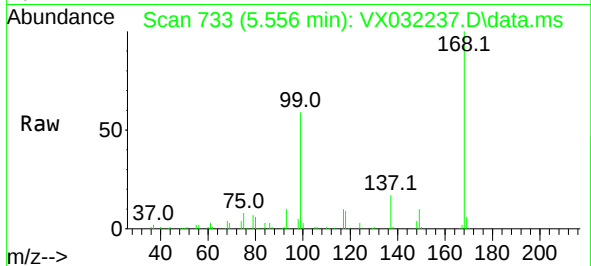




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

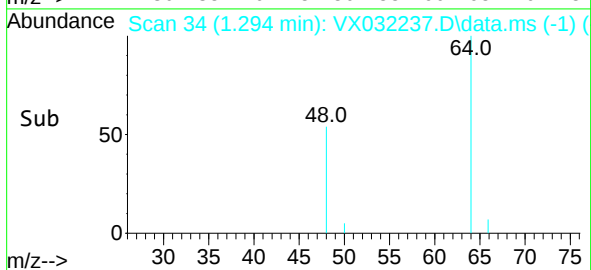
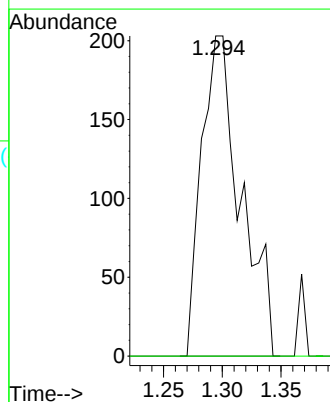
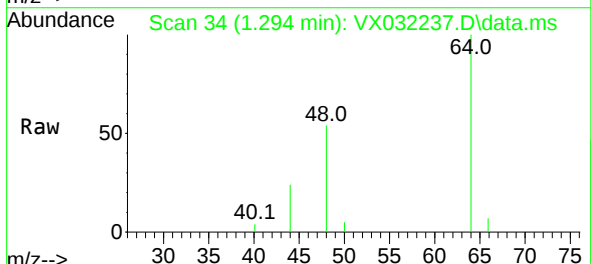
Instrument :
MSVOA_X
ClientSampleId :
1431-2

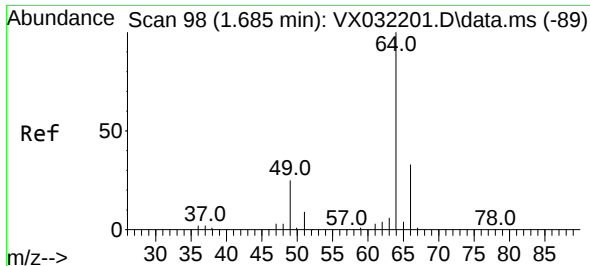
Tgt Ion:168 Resp: 132117
Ion Ratio Lower Upper
168 100
99 58.7 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

Tgt Ion: 50 Resp: 472
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

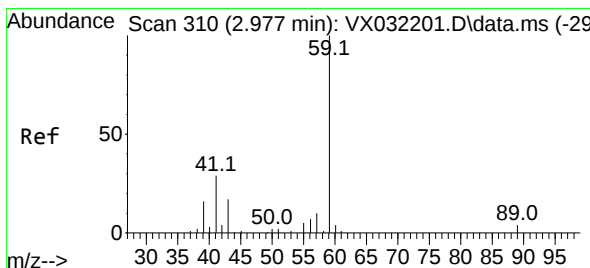
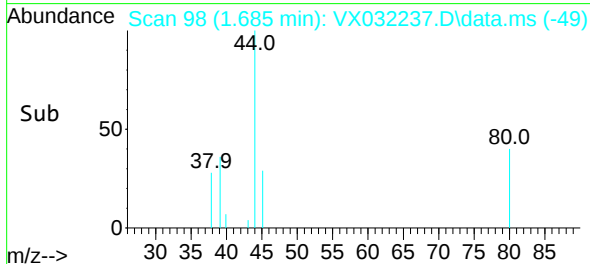
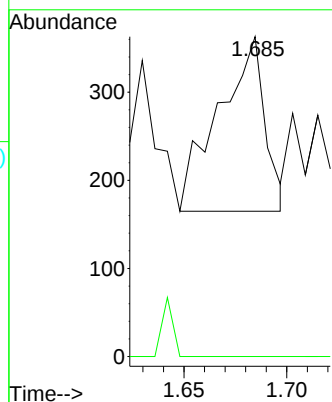
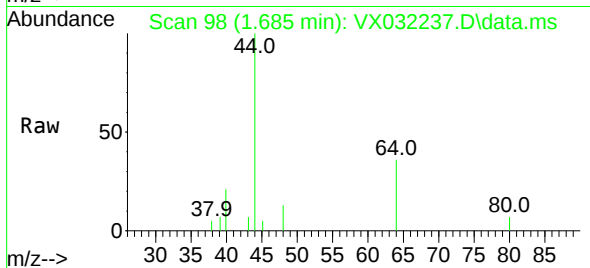




#6
Chloroethane
Concen: 2.182 ug/l
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

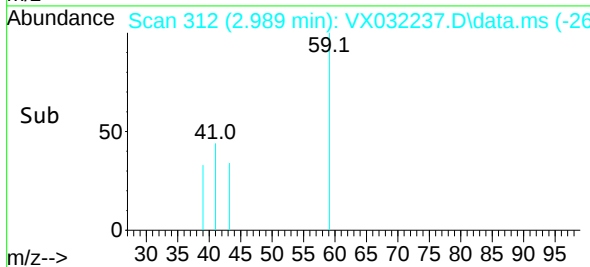
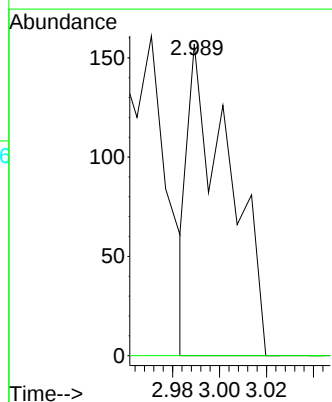
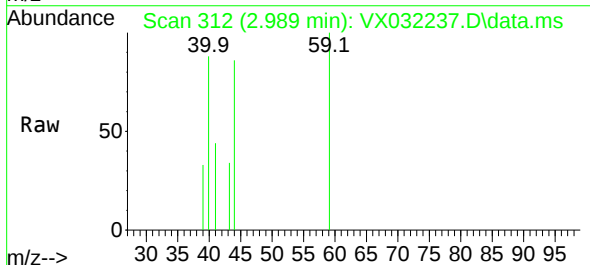
Instrument :
MSVOA_X
ClientSampleId :
1431-2

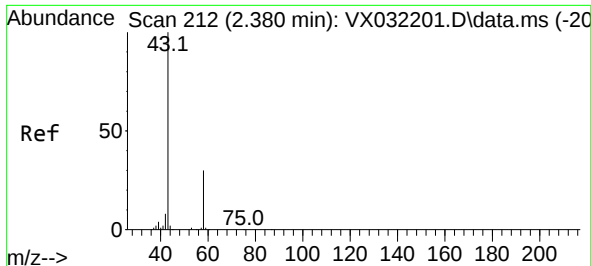
Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.989 min Scan# 312
Delta R.T. 0.012 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

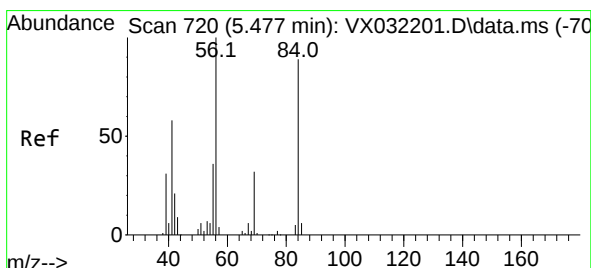
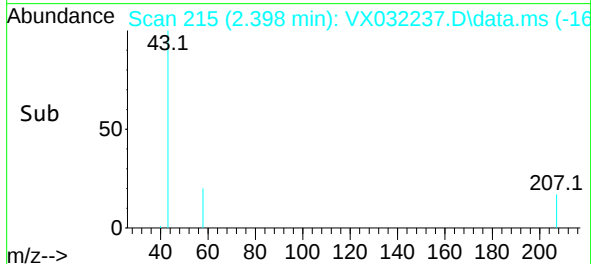
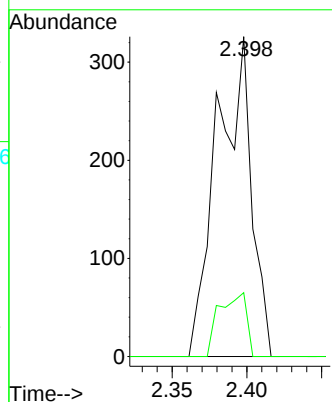
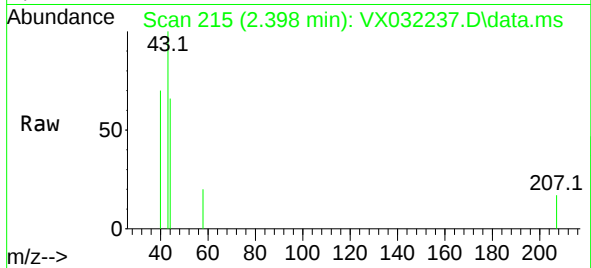




#16
Acetone
Concen: 0.931 ug/l
RT: 2.398 min Scan# 212
Delta R.T. 0.018 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

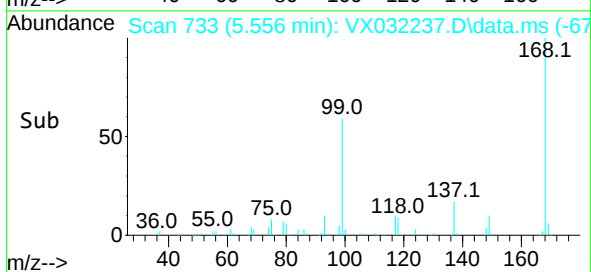
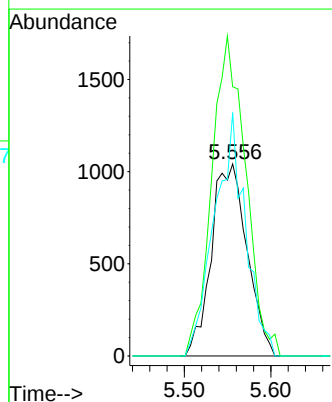
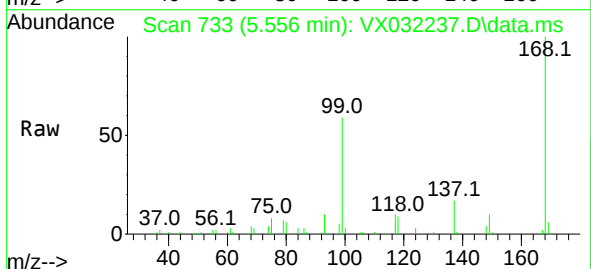
Instrument :
MSVOA_X
ClientSampleId :
1431-2

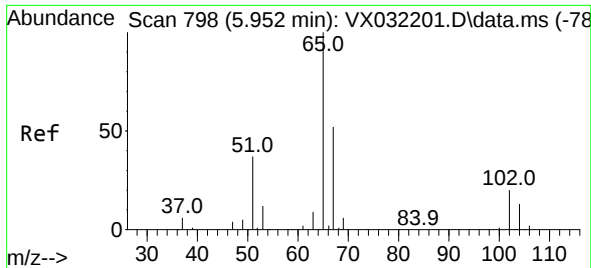
Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
58 19.9 24.2 36.2#



#31
Cyclohexane
Concen: 1.518 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

Tgt Ion: 56 Resp: 2982
Ion Ratio Lower Upper
56 100
69 140.1 25.4 38.0#
84 126.7 71.2 106.8#





#33

1,2-Dichloroethane-d4

Concen: 55.295 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

Instrument :

MSVOA_X

ClientSampleId :

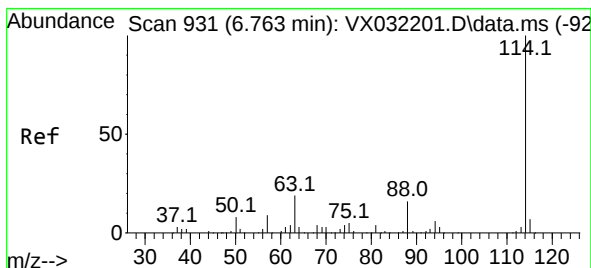
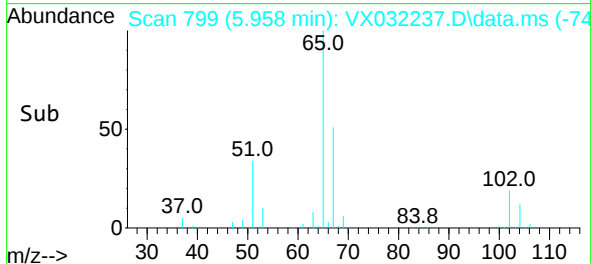
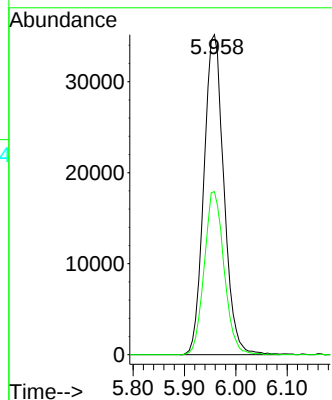
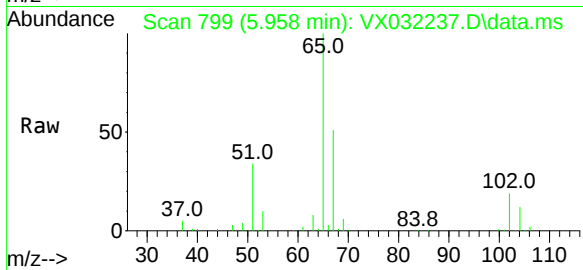
1431-2

Tgt Ion: 65 Resp: 95036

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

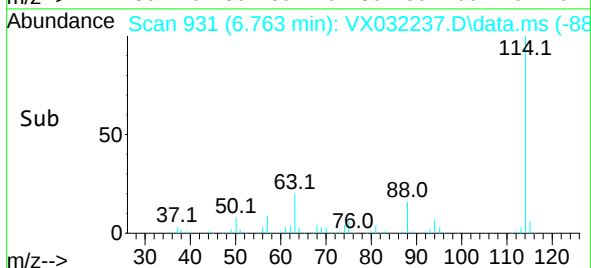
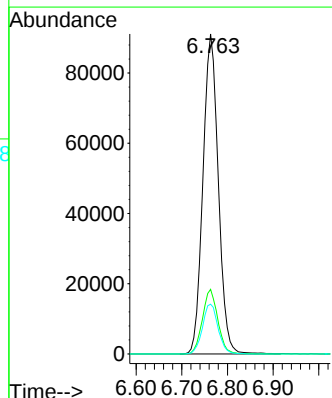
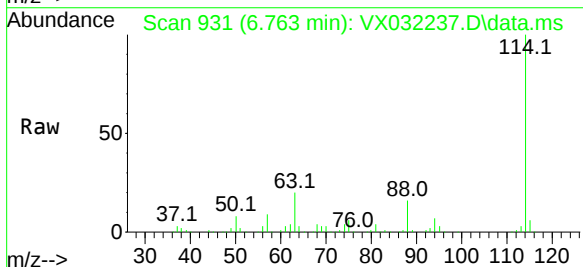
Tgt Ion: 114 Resp: 213202

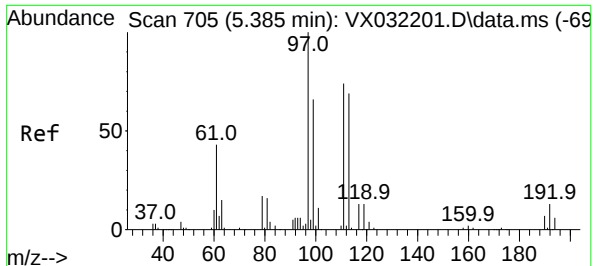
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.6

88 15.5 0.0 32.6

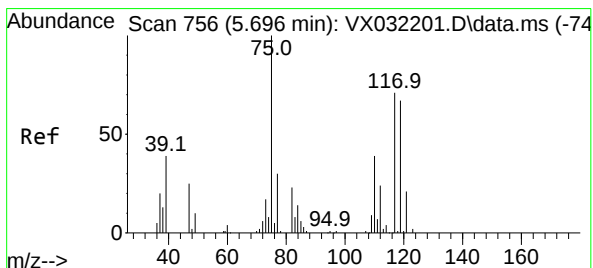
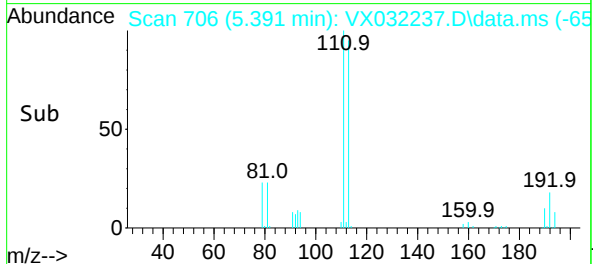
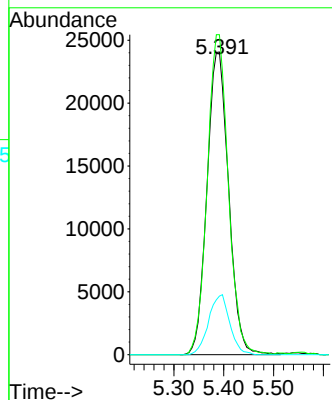
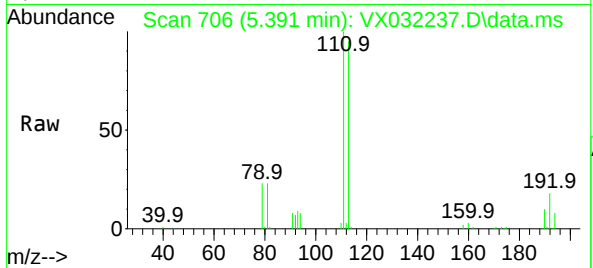




#35
Dibromofluoromethane
Concen: 48.914 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

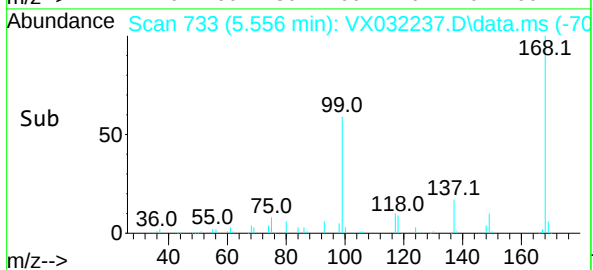
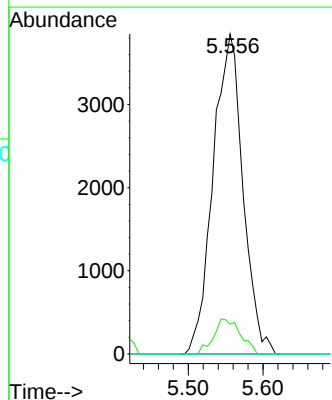
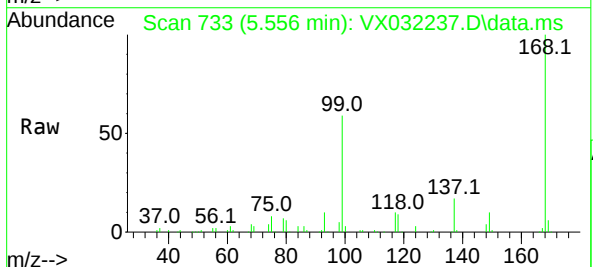
Instrument :
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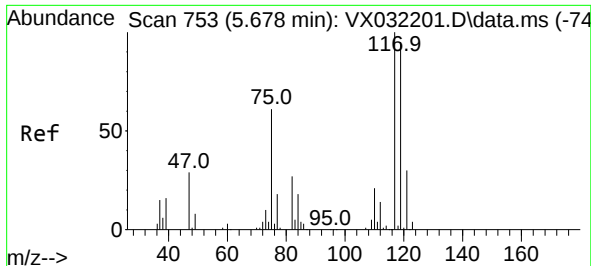
Tgt Ion:113 Resp: 72569
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 19.3 15.5 23.3



#36
1,1-Dichloropropene
Concen: 5.591 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

Tgt Ion: 75 Resp: 10671
Ion Ratio Lower Upper
75 100
110 9.8 18.4 55.0#
77 0.0 24.7 37.1#

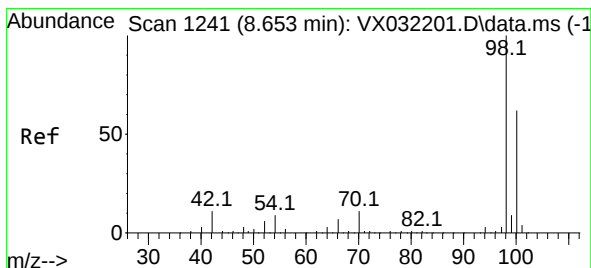
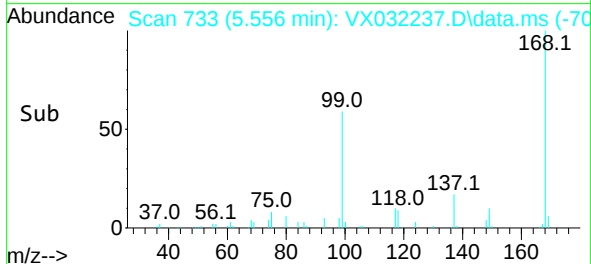
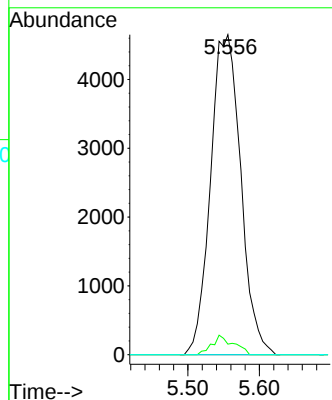
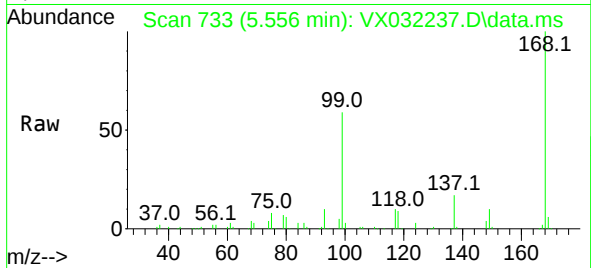




#38
Carbon Tetrachloride
Concen: 6.767 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

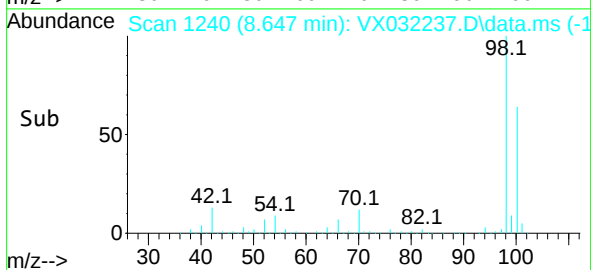
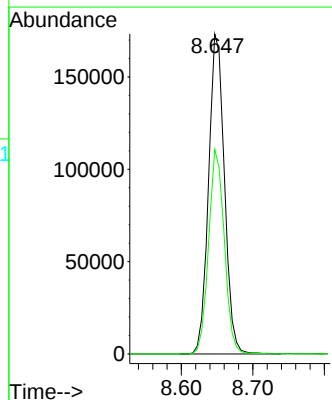
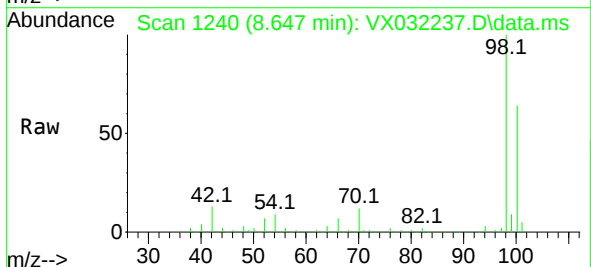
Instrument :
MSVOA_X
ClientSampleId :
1431-2

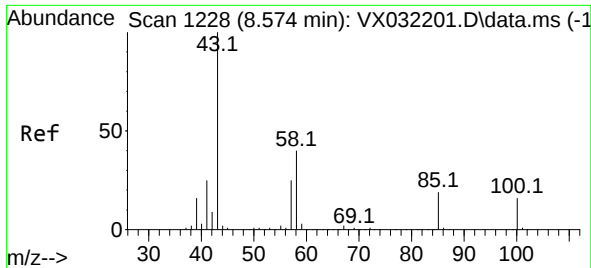
Tgt Ion:117 Resp: 13633
Ion Ratio Lower Upper
117 100
119 3.3 75.4 113.0#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.963 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032237.D
Acq: 20 Oct 2022 03:23

Tgt Ion: 98 Resp: 266830
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.671 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

Instrument :

MSVOA_X

ClientSampleId :

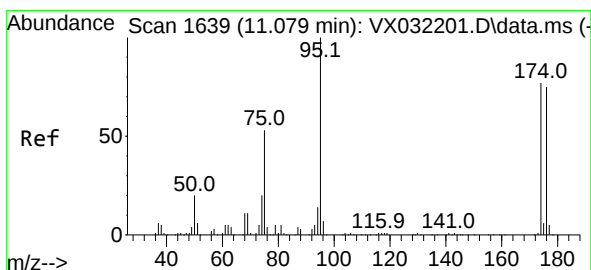
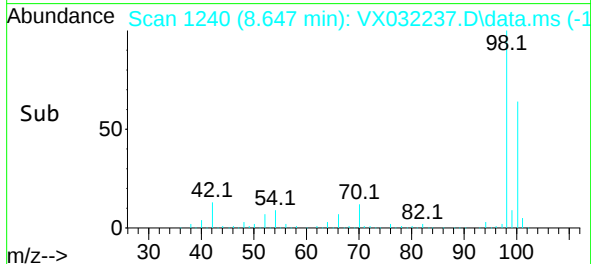
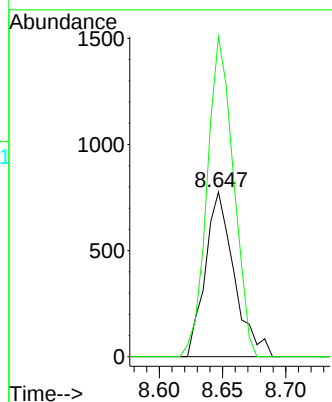
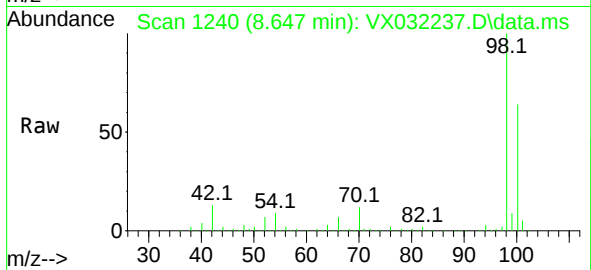
1431-2

Tgt Ion: 43 Resp: 1234

Ion Ratio Lower Upper

43 100

58 177.5 31.0 46.4#



#62

4-Bromofluorobenzene

Concen: 49.217 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

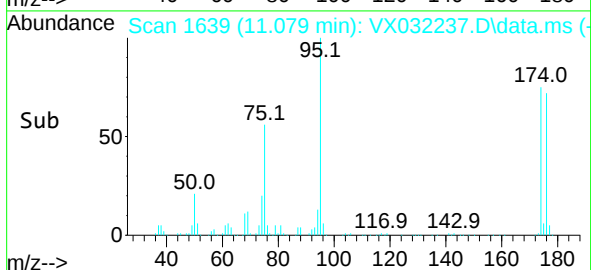
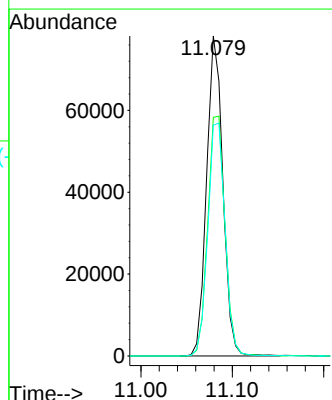
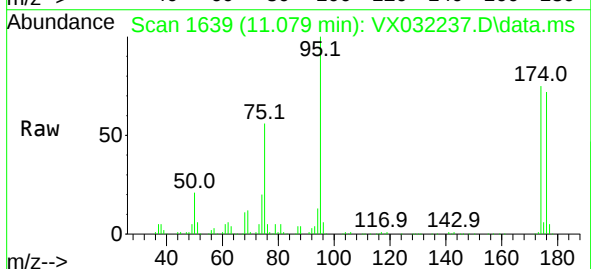
Tgt Ion: 95 Resp: 96249

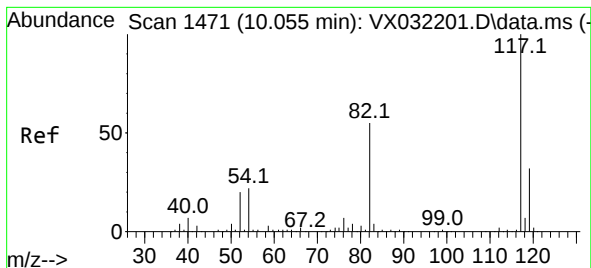
Ion Ratio Lower Upper

95 100

174 79.8 0.0 166.8

176 77.4 0.0 161.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

Instrument :

MSVOA_X

ClientSampleId :

1431-2

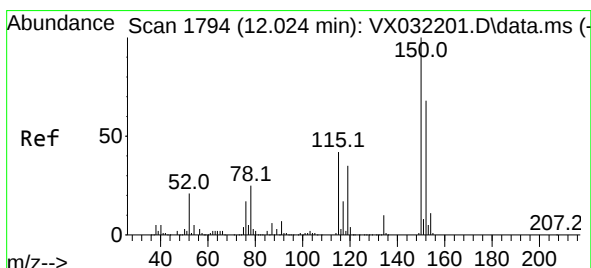
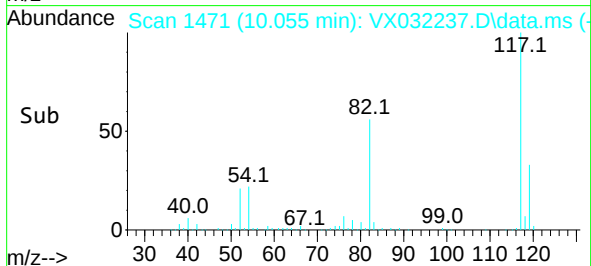
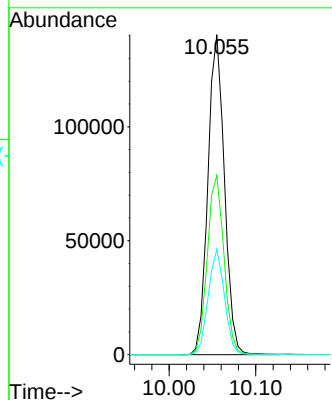
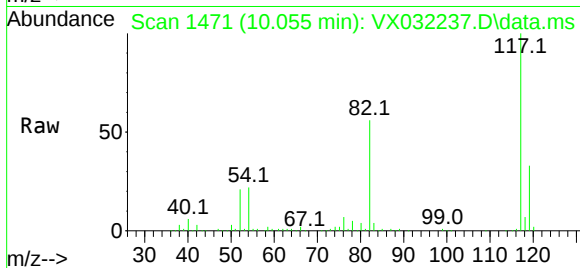
Tgt Ion:117 Resp: 186328

Ion Ratio Lower Upper

117 100

82 56.1 44.2 66.4

119 32.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

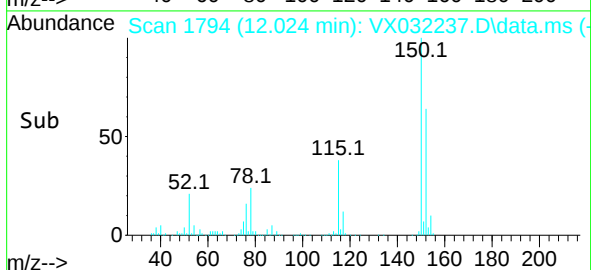
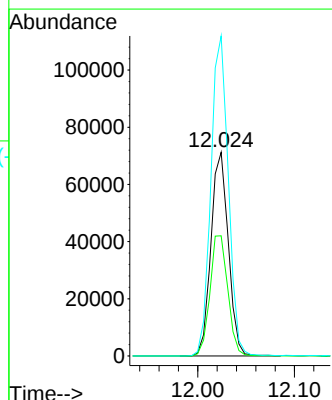
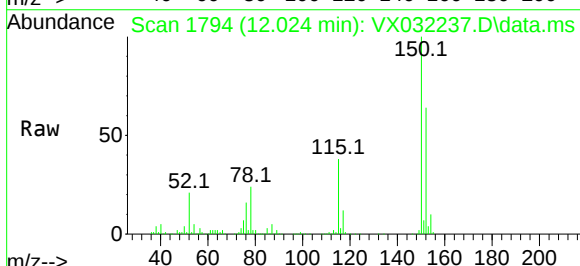
Tgt Ion:152 Resp: 88884

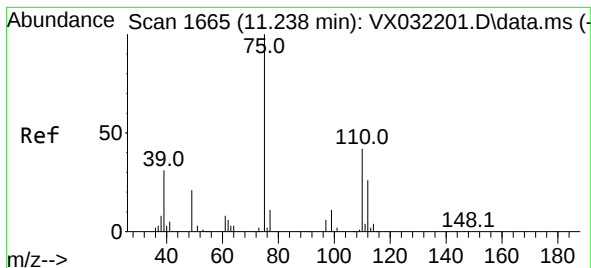
Ion Ratio Lower Upper

152 100

115 60.7 43.1 129.4

150 157.1 0.0 348.6





#76

1,2,3-Trichloropropane

Concen: 30.123 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

Instrument :

MSVOA_X

ClientSampleId :

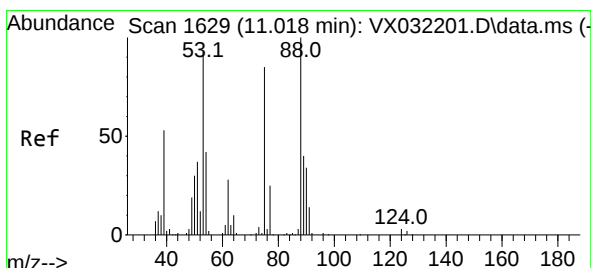
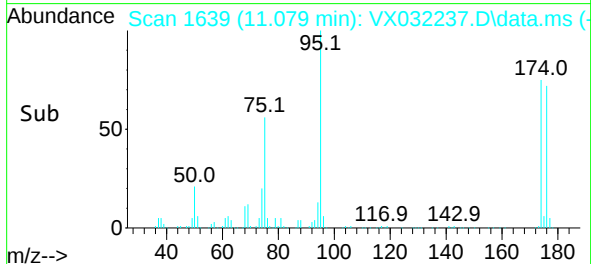
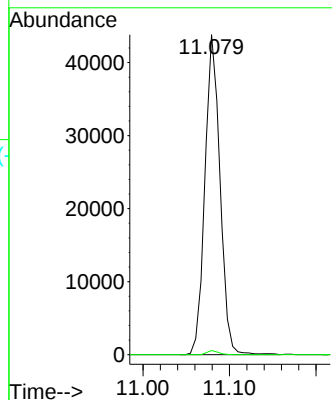
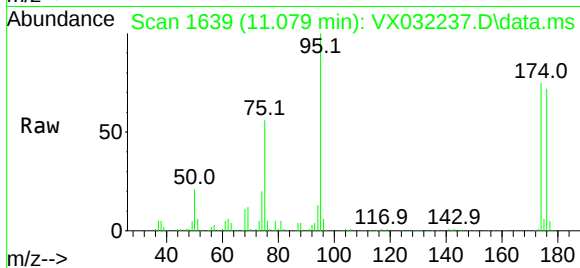
1431-2

Tgt Ion: 75 Resp: 53051

Ion Ratio Lower Upper

75 100

77 1.0 16.0 47.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 92.169 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX032237.D

Acq: 20 Oct 2022 03:23

Tgt Ion: 75 Resp: 53051

Ion Ratio Lower Upper

75 100

53 0.0 87.8 131.8#

89 0.0 37.8 56.8#

