

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033191.D
 Acq On : 02 Dec 2022 17:21
 Operator : JC/MD
 Sample : N5847-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-40-GW-01

Quant Time: Dec 03 04:34:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

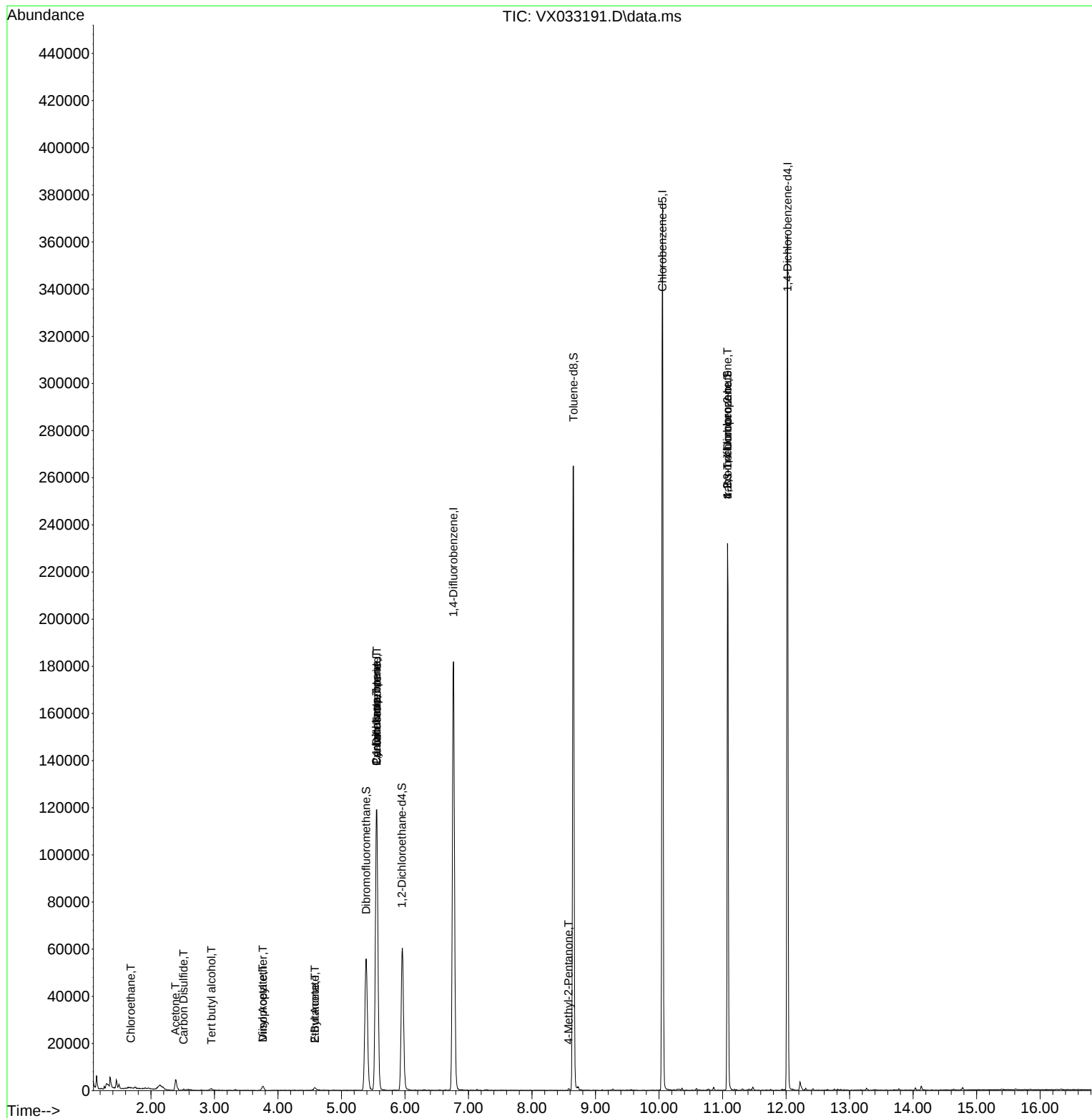
Internal Standards						
1) Pentafluorobenzene	5.556	168	113255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187302	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	165191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61347	55.797	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.600%
35) Dibromofluoromethane	5.385	113	48760	46.177	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.360%
50) Toluene-d8	8.653	98	160886	50.668	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.340%
62) 4-Bromofluorobenzene	11.079	95	59181	42.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.340%
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	231	0.273	ug/l #	42
11) Tert butyl alcohol	2.953	59	593	3.392	ug/l #	72
16) Acetone	2.386	43	5980	11.610	ug/l #	84
17) Carbon Disulfide	2.514	76	671	0.246	ug/l #	74
20) Methylene Chloride	2.788	84	22	Below Cal	#	64
22) Diisopropyl ether	3.764	45	1875	0.540	ug/l #	77
23) Vinyl Acetate	3.757	43	951	0.350	ug/l #	72
25) 2-Butanone	4.580	43	1808	2.546	ug/l #	76
31) Cyclohexane	5.550	56	2438	1.364	ug/l #	2
36) 1,1-Dichloropropene	5.550	75	8773	5.196	ug/l #	50
37) Ethyl Acetate	4.580	43	1808	1.227	ug/l #	67
38) Carbon Tetrachloride	5.556	117	11358	6.064	ug/l #	16
51) 4-Methyl-2-Pentanone	8.574	43	572	0.381	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	32724	22.844	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32724	74.252	ug/l #	6

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

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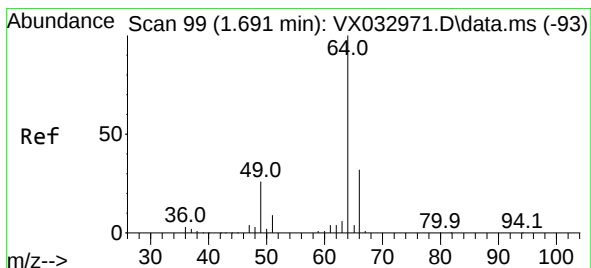
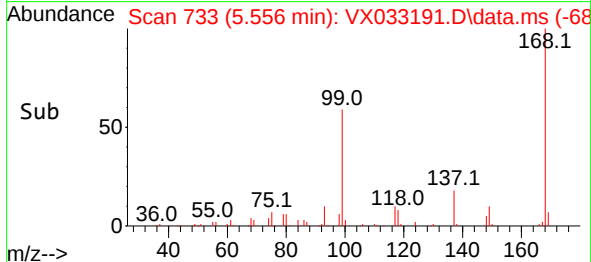
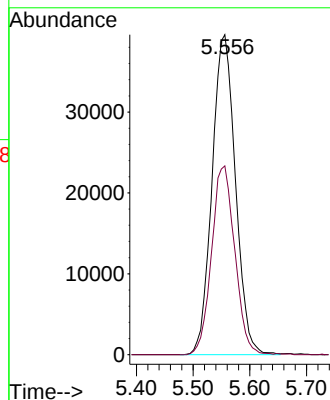
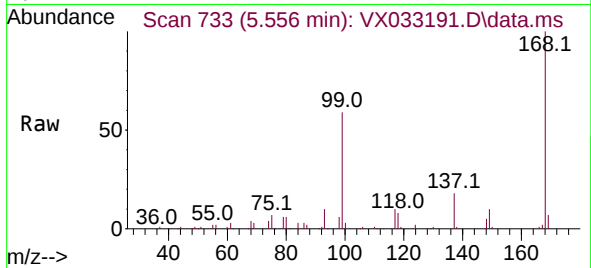




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033191.D
Acq: 02 Dec 2022 17:21

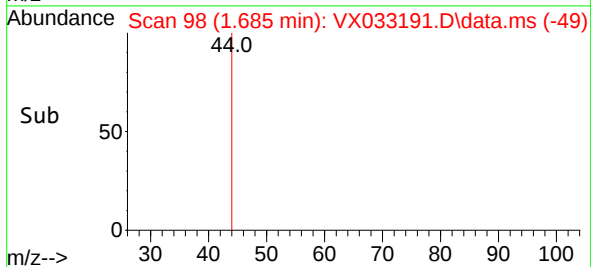
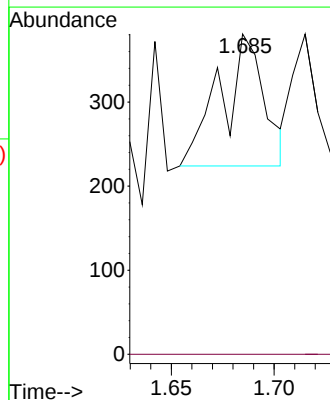
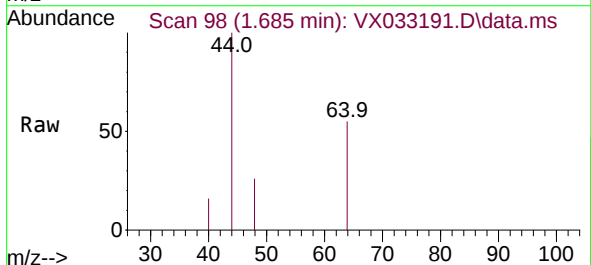
Instrument :
MSVOA_X
ClientSampleId :
B-40-GW-01

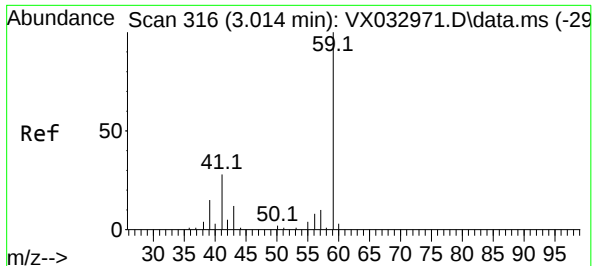
Tgt Ion:168 Resp: 113255
Ion Ratio Lower Upper
168 100
99 59.0 46.1 69.1



#6
Chloroethane
Concen: 0.273 ug/l
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX033191.D
Acq: 02 Dec 2022 17:21

Tgt Ion: 64 Resp: 231
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 3.392 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

Instrument :

MSVOA_X

ClientSampleId :

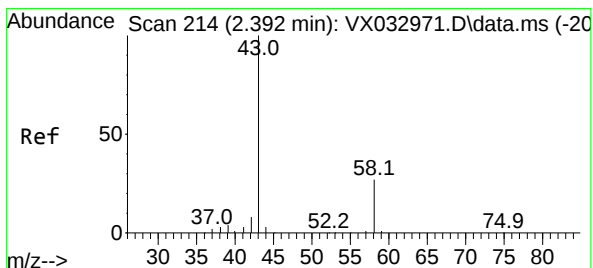
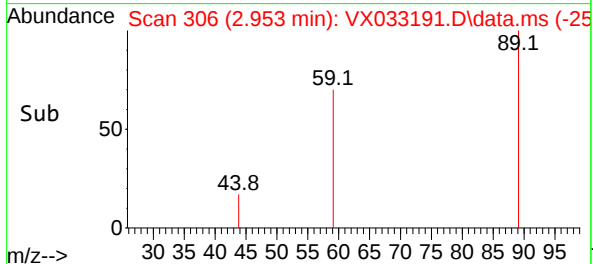
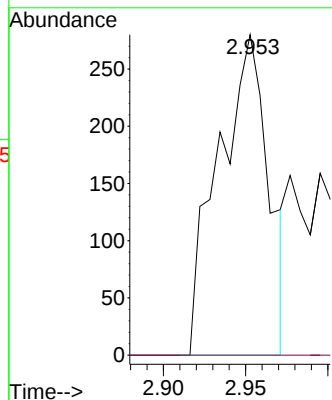
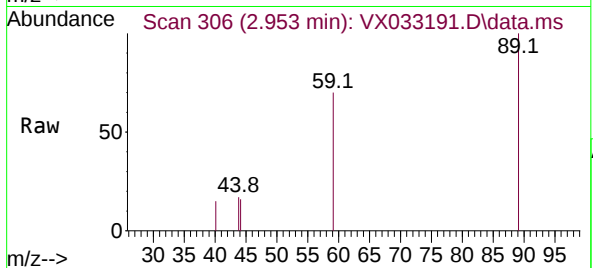
B-40-GW-01

Tgt Ion: 59 Resp: 593

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 11.610 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX033191.D

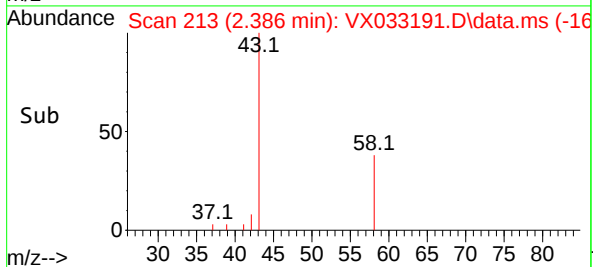
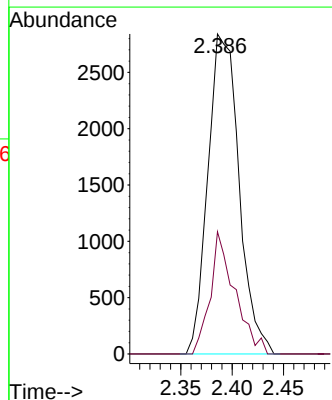
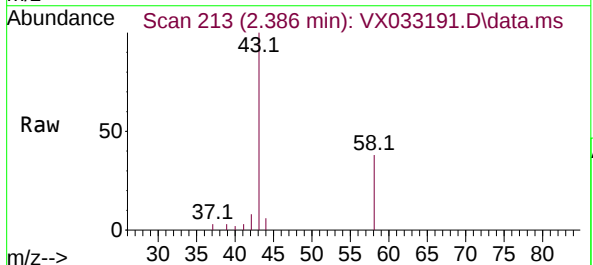
Acq: 02 Dec 2022 17:21

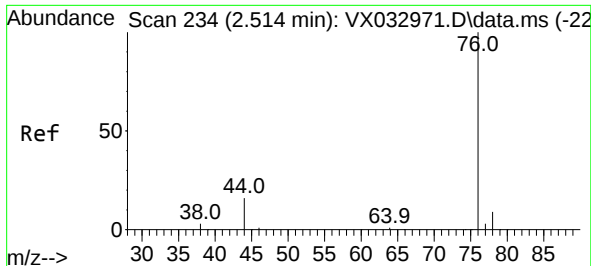
Tgt Ion: 43 Resp: 5980

Ion Ratio Lower Upper

43 100

58 38.2 23.8 35.8#

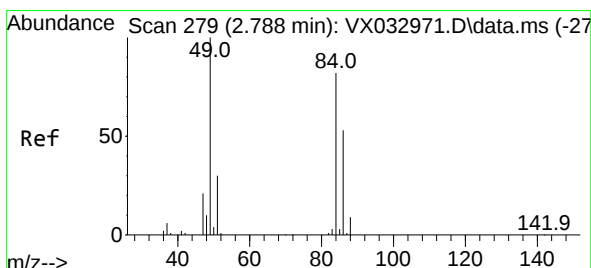
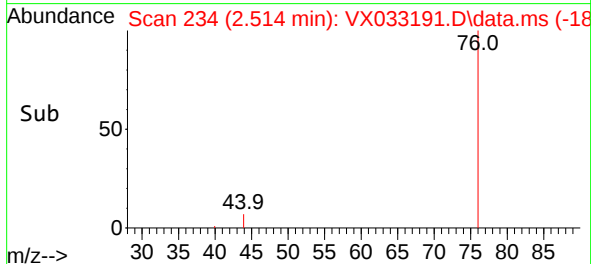
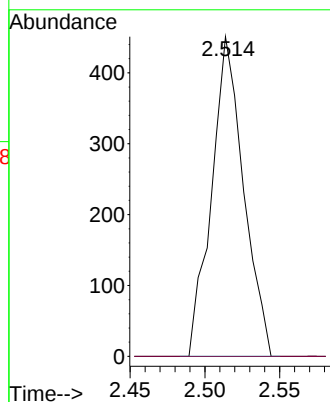
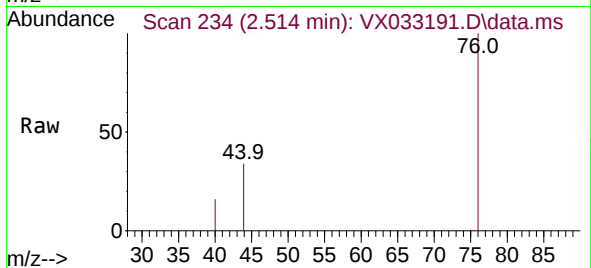




#17
Carbon Disulfide
Concen: 0.246 ug/l
RT: 2.514 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX033191.D
Acq: 02 Dec 2022 17:21

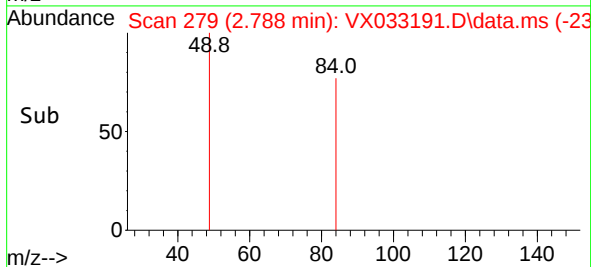
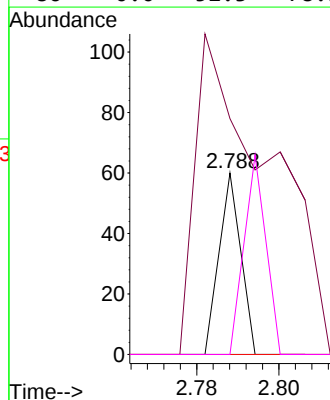
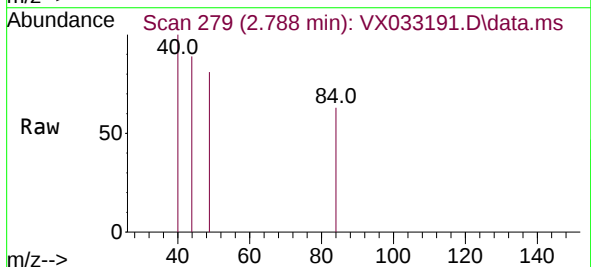
Instrument :
MSVOA_X
ClientSampleId :
B-40-GW-01

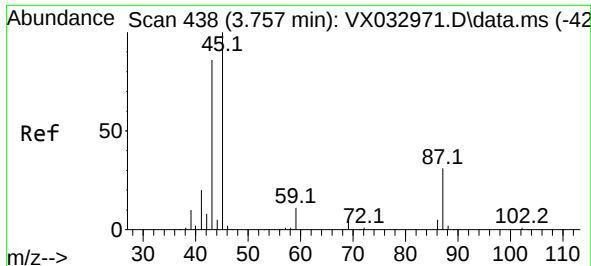
Tgt Ion: 76 Resp: 671
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033191.D
Acq: 02 Dec 2022 17:21

Tgt Ion: 84 Resp: 22
Ion Ratio Lower Upper
84 100
49 130.0 101.0 151.6
51 0.0 31.1 46.7#
86 0.0 52.3 78.5#

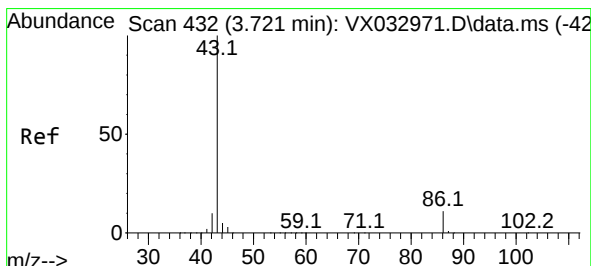
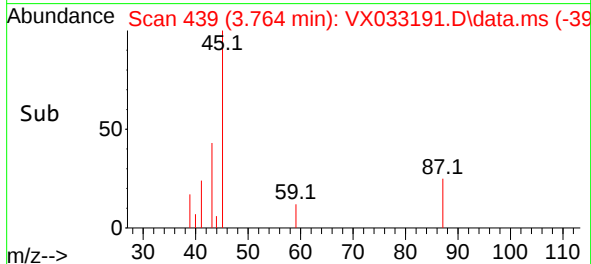
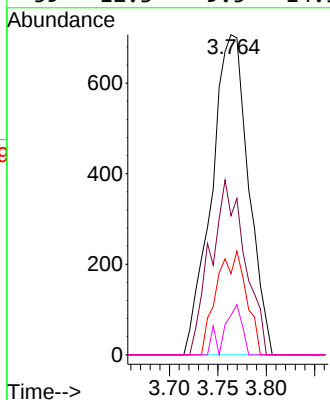
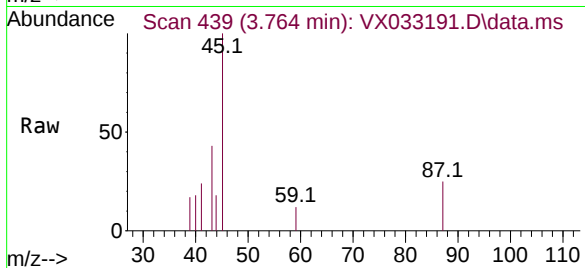




#22
Diisopropyl ether
Concen: 0.540 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.001 min
Lab File: VX033191.D
Acq: 02 Dec 2022 17:21

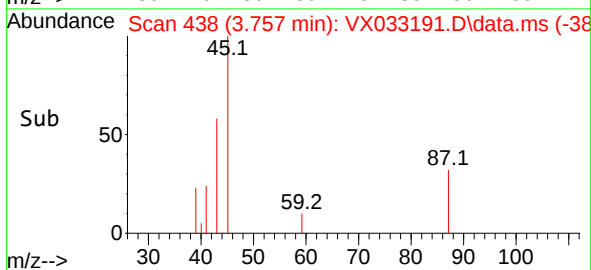
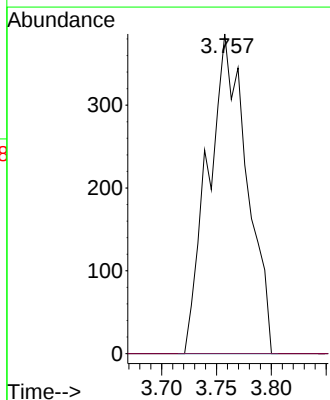
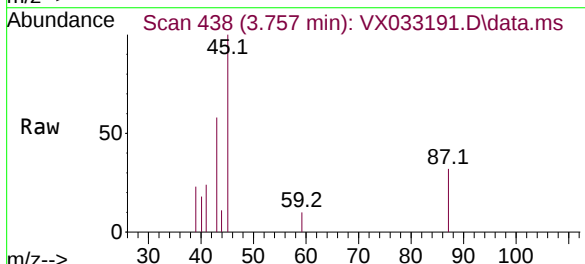
Instrument :
MSVOA_X
ClientSampleId :
B-40-GW-01

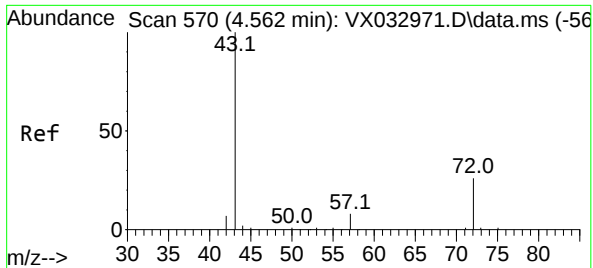
Tgt Ion:	45	Resp:	1875
Ion	Ratio	Lower	Upper
45	100		
43	43.4	56.4	84.6#
87	25.3	24.4	36.6
59	12.3	9.5	14.3



#23
Vinyl Acetate
Concen: 0.350 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.036 min
Lab File: VX033191.D
Acq: 02 Dec 2022 17:21

Tgt Ion:	43	Resp:	951
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#25

2-Butanone

Concen: 2.546 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

Instrument :

MSVOA_X

ClientSampleId :

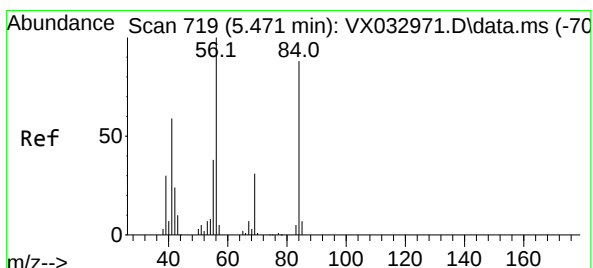
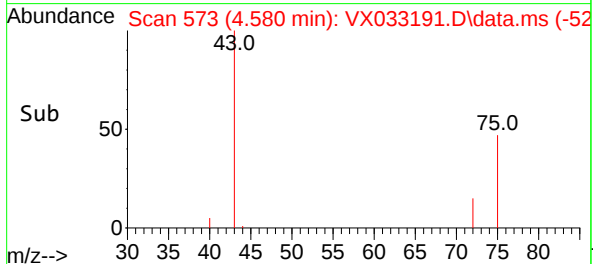
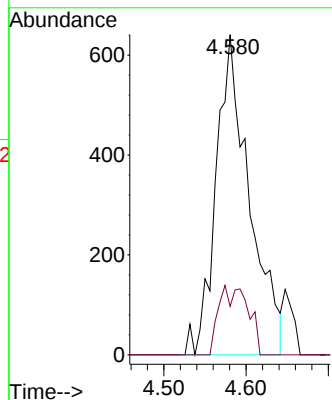
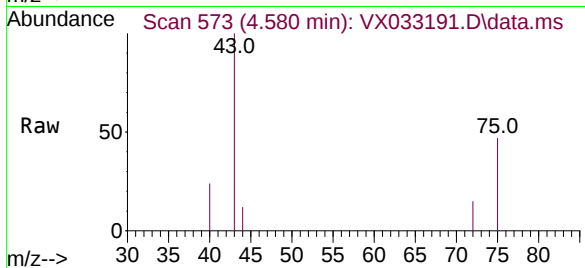
B-40-GW-01

Tgt Ion: 43 Resp: 1808

Ion Ratio Lower Upper

43 100

72 15.1 22.2 33.2#



#31

Cyclohexane

Concen: 1.364 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

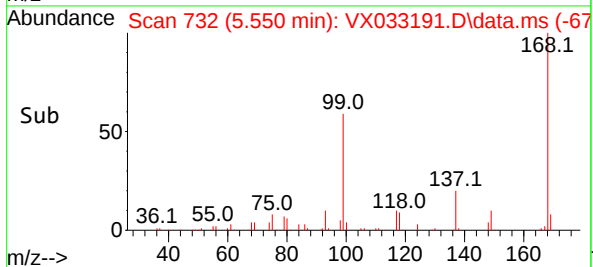
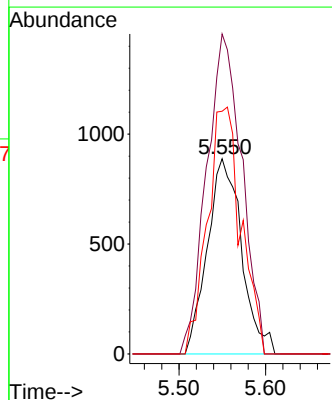
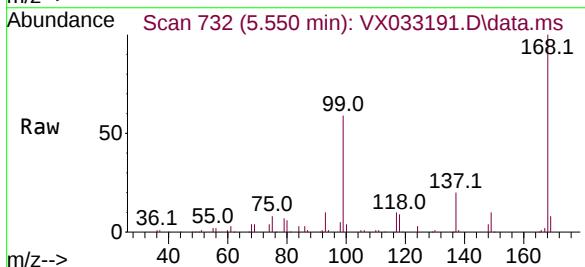
Tgt Ion: 56 Resp: 2438

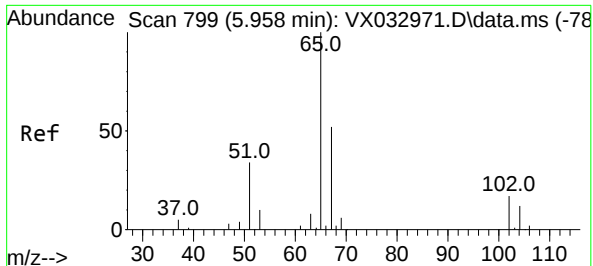
Ion Ratio Lower Upper

56 100

69 164.0 24.1 36.1#

84 124.3 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 55.797 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

Instrument :

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ClientSampleId :

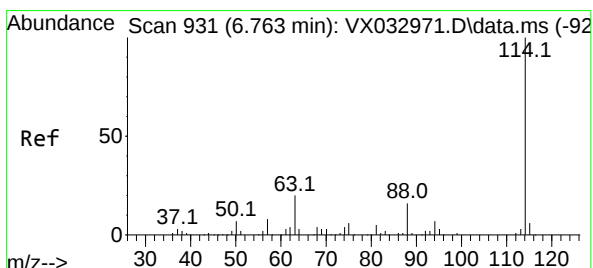
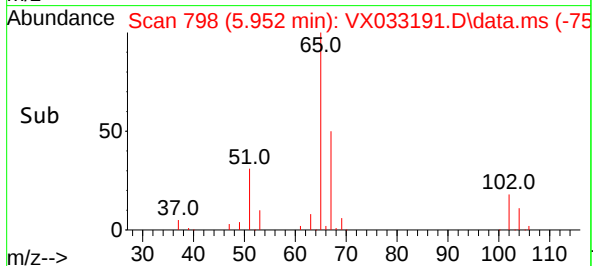
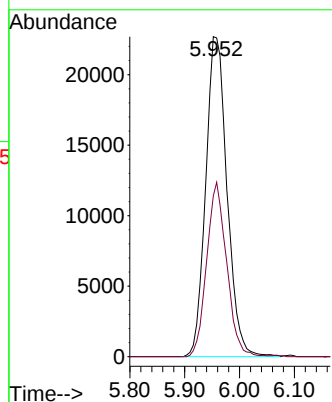
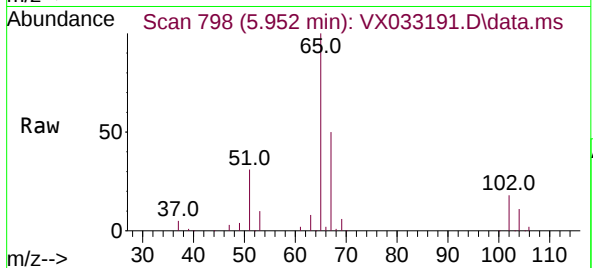
B-40-GW-01

Tgt Ion: 65 Resp: 61347

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

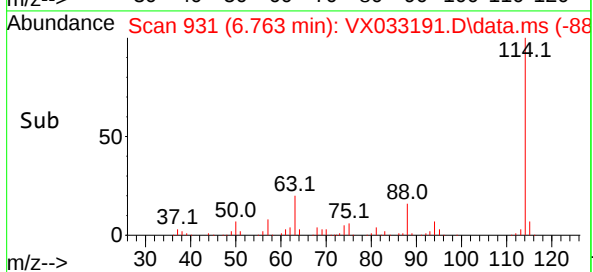
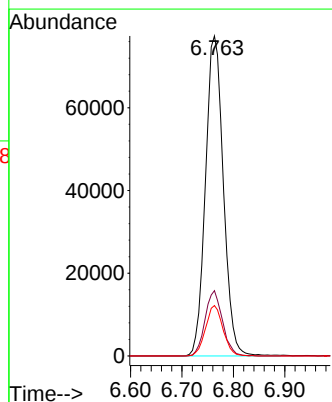
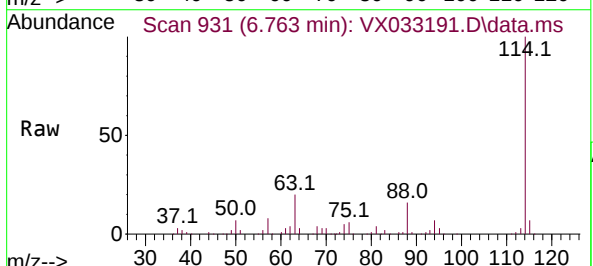
Tgt Ion: 114 Resp: 187302

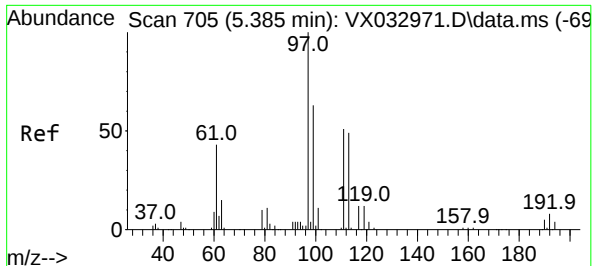
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 46.177 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033191.D

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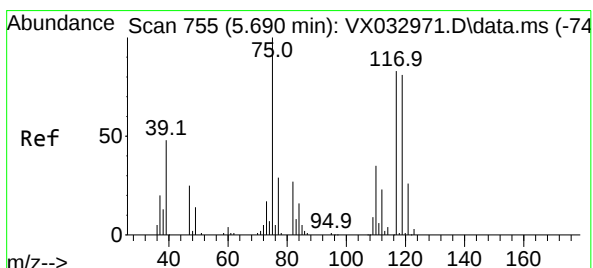
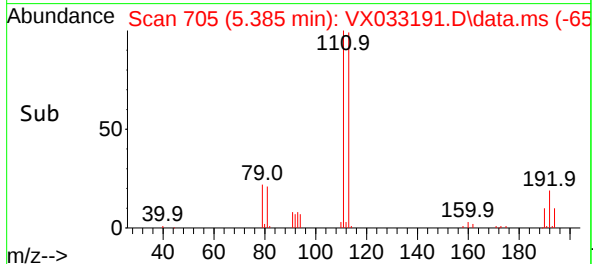
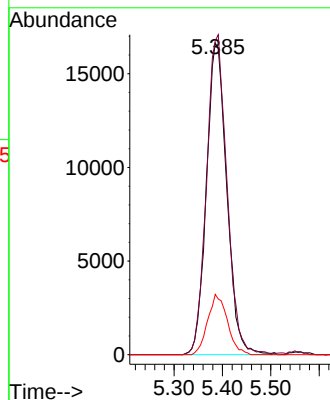
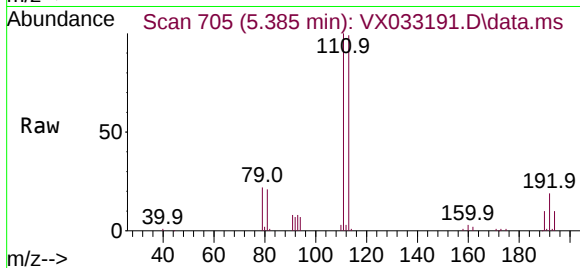
Tgt Ion:113 Resp: 48760

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 18.7 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.196 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

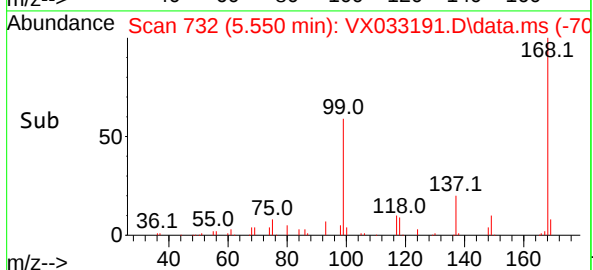
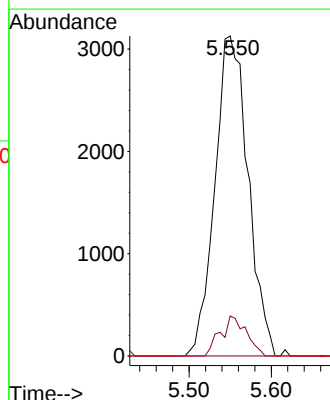
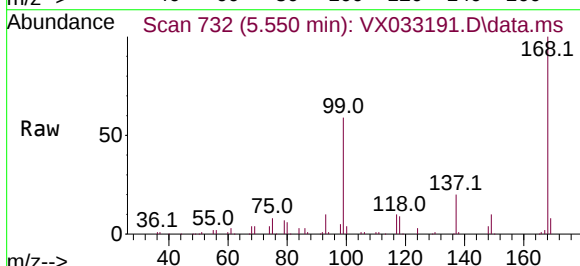
Tgt Ion: 75 Resp: 8773

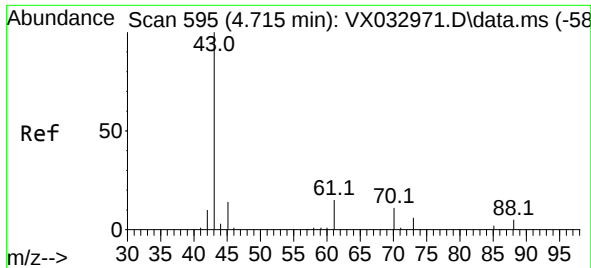
Ion Ratio Lower Upper

75 100

110 9.7 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 1.227 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.135 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

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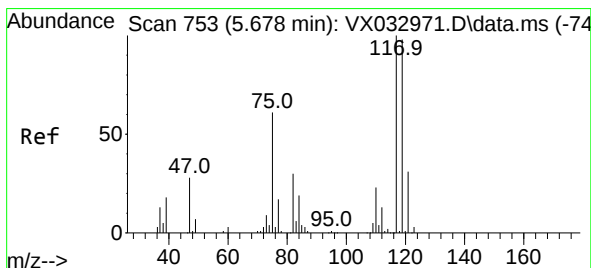
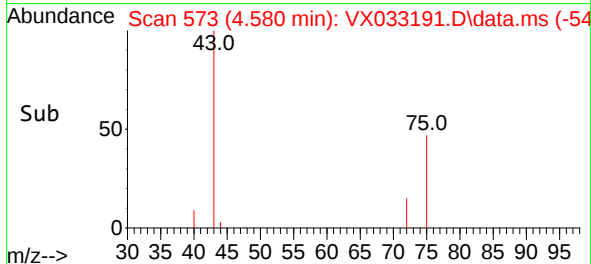
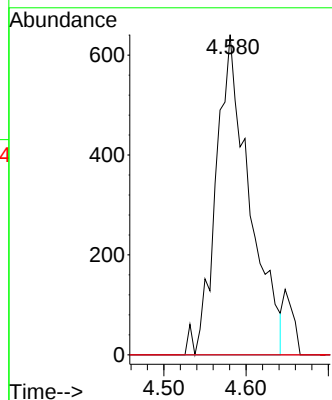
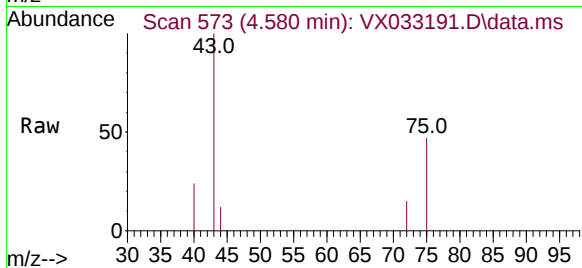
Tgt Ion: 43 Resp: 1808

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 9.1 13.7#



#38

Carbon Tetrachloride

Concen: 6.064 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

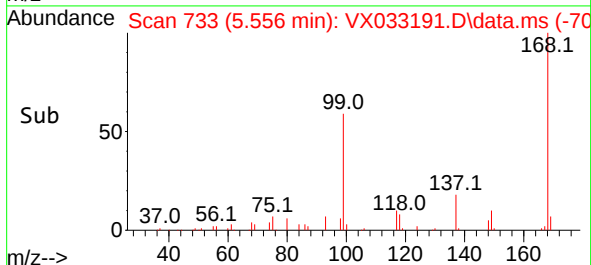
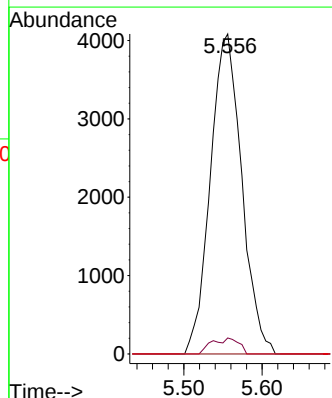
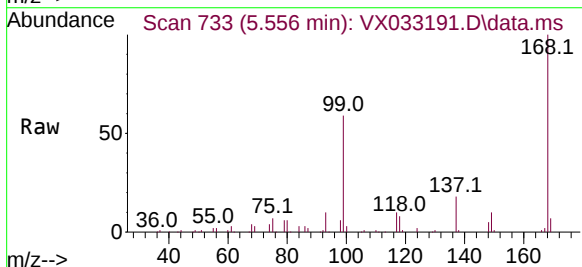
Tgt Ion: 117 Resp: 11358

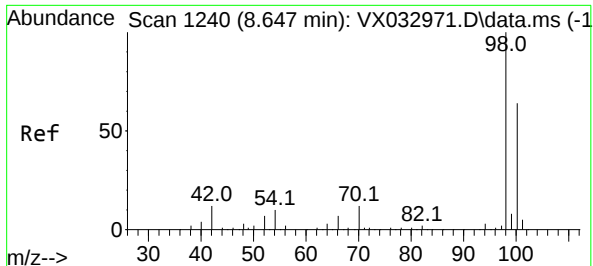
Ion Ratio Lower Upper

117 100

119 5.0 77.2 115.8#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.668 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

Instrument :

MSVOA_X

ClientSampleId :

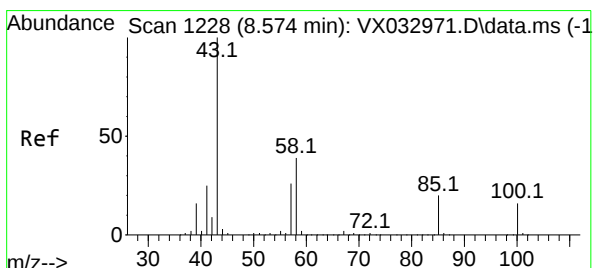
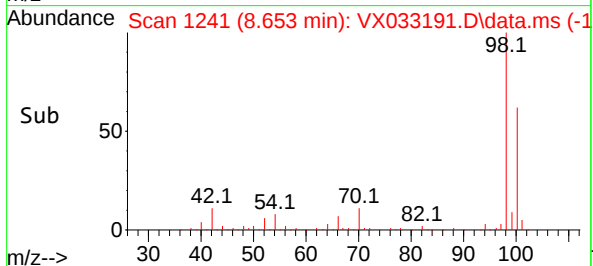
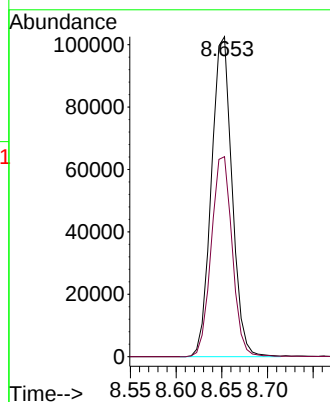
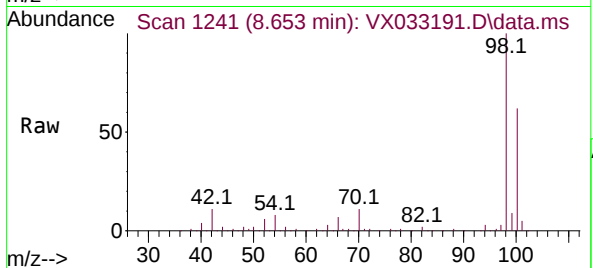
B-40-GW-01

Tgt Ion: 98 Resp: 160886

Ion Ratio Lower Upper

98 100

100 63.5 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.381 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX033191.D

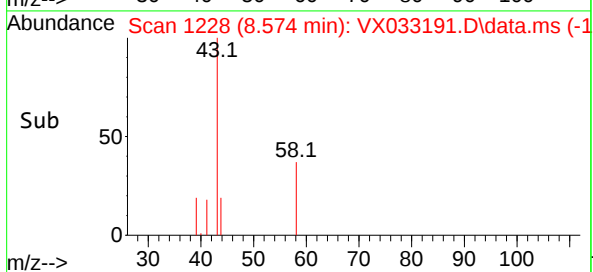
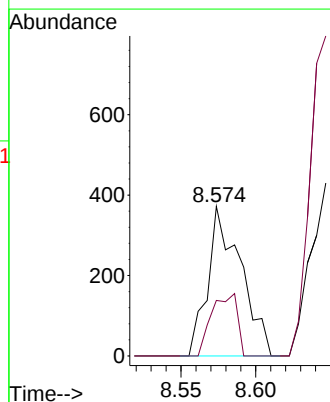
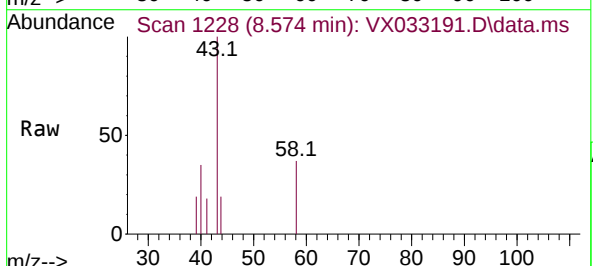
Acq: 02 Dec 2022 17:21

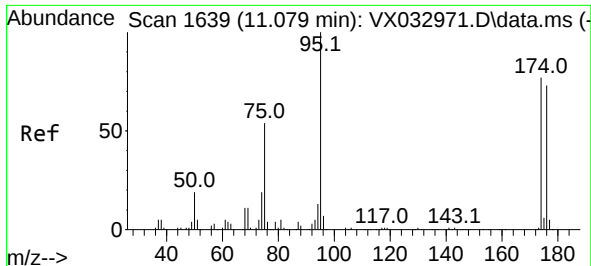
Tgt Ion: 43 Resp: 572

Ion Ratio Lower Upper

43 100

58 32.3 30.9 46.3





#62

4-Bromofluorobenzene

Concen: 42.666 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

Instrument :

MSVOA_X

ClientSampleId :

B-40-GW-01

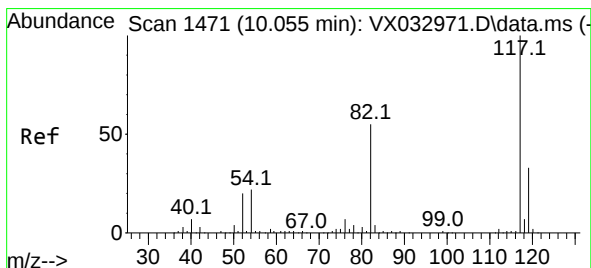
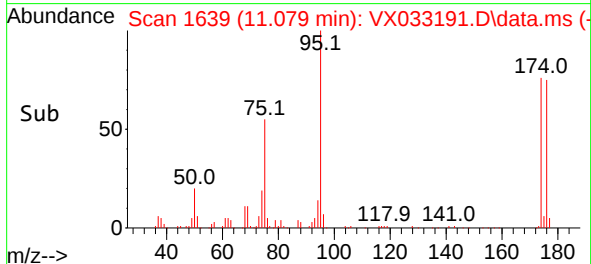
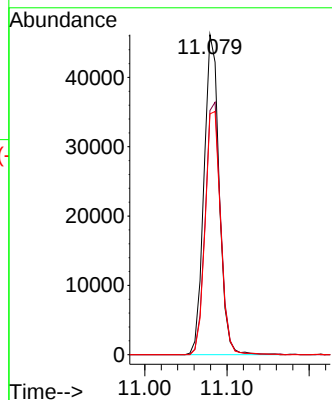
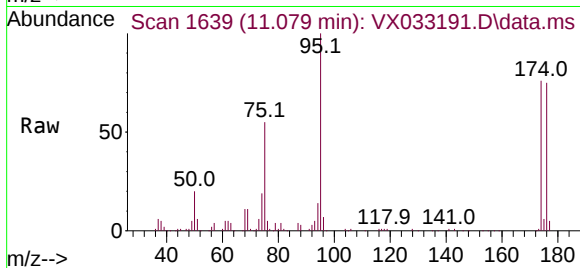
Tgt Ion: 95 Resp: 59181

Ion Ratio Lower Upper

95 100

174 80.3 0.0 164.0

176 77.8 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033191.D

Acq: 02 Dec 2022 17:21

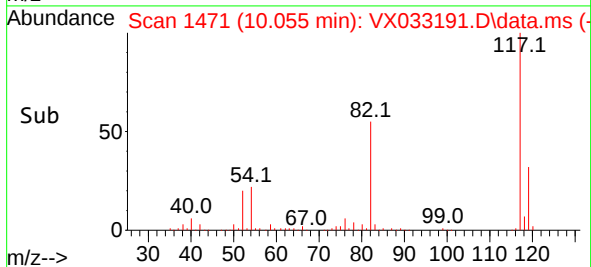
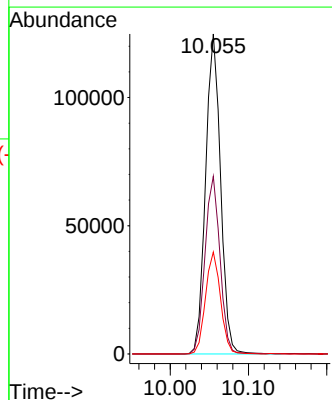
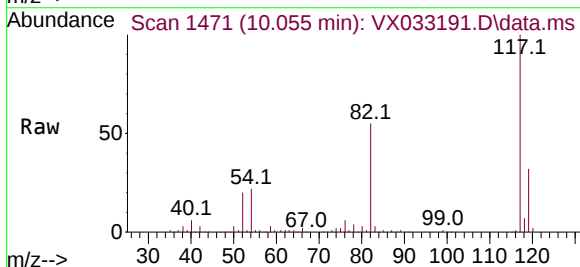
Tgt Ion: 117 Resp: 165191

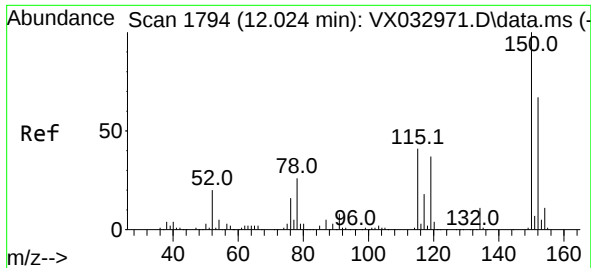
Ion Ratio Lower Upper

117 100

82 55.5 44.3 66.5

119 31.9 25.7 38.5

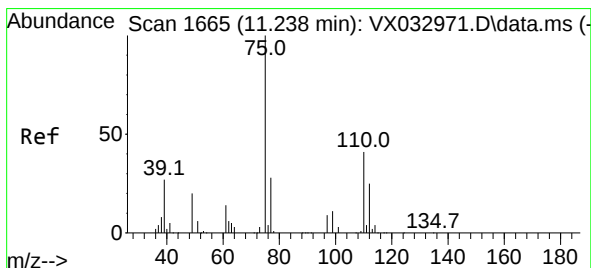
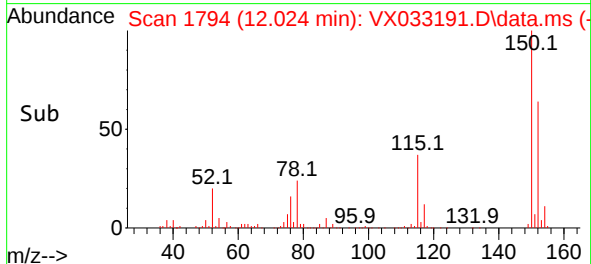
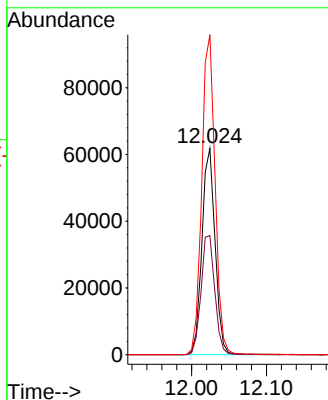
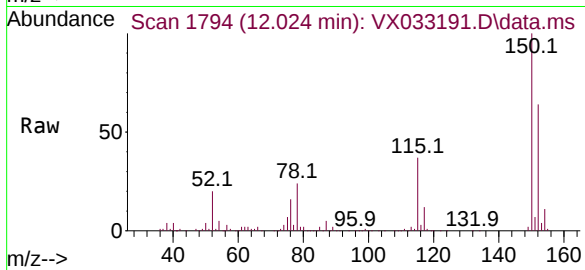




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033191.D
 Acq: 02 Dec 2022 17:21

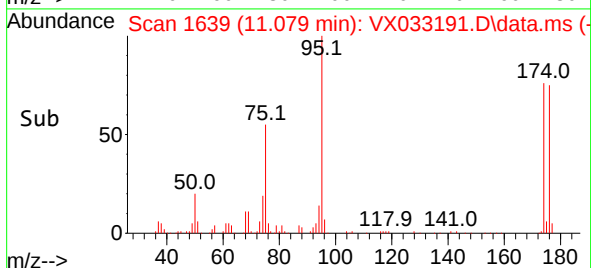
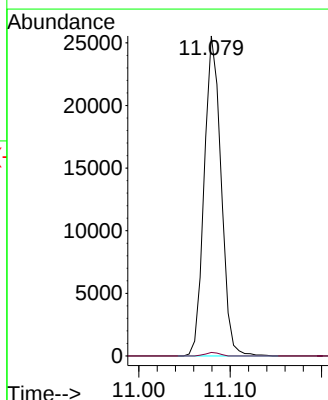
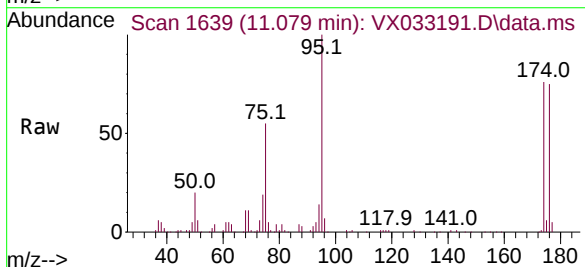
Instrument :
 MSVOA_X
 ClientSampleId :
 B-40-GW-01

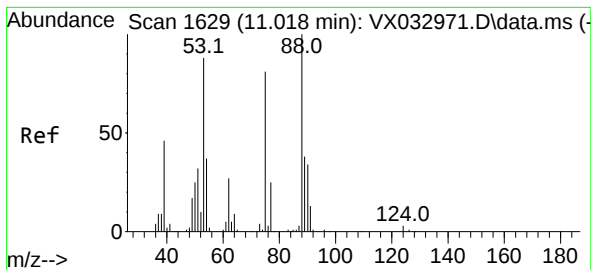
Tgt Ion:152 Resp: 75641
 Ion Ratio Lower Upper
 152 100
 115 60.3 44.0 132.0
 150 156.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 22.844 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX033191.D
 Acq: 02 Dec 2022 17:21

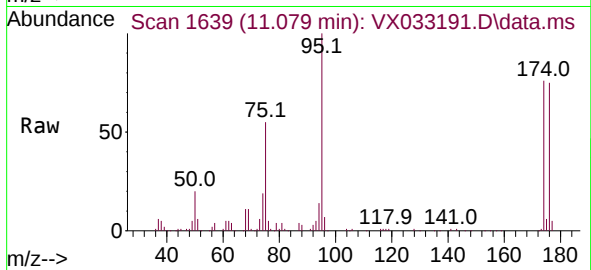
Tgt Ion: 75 Resp: 32724
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.252 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033191.D
 Acq: 02 Dec 2022 17:21

Instrument :
 MSVOA_X
 ClientSampleId :
 B-40-GW-01



Tgt Ion: 75 Resp: 32724
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.0 38.3 57.5#

