

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038199.D
 Acq On : 10 Oct 2023 14:23
 Operator : JC/MD
 Sample : 04782-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-3-37-40

Quant Time: Oct 11 01:38:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

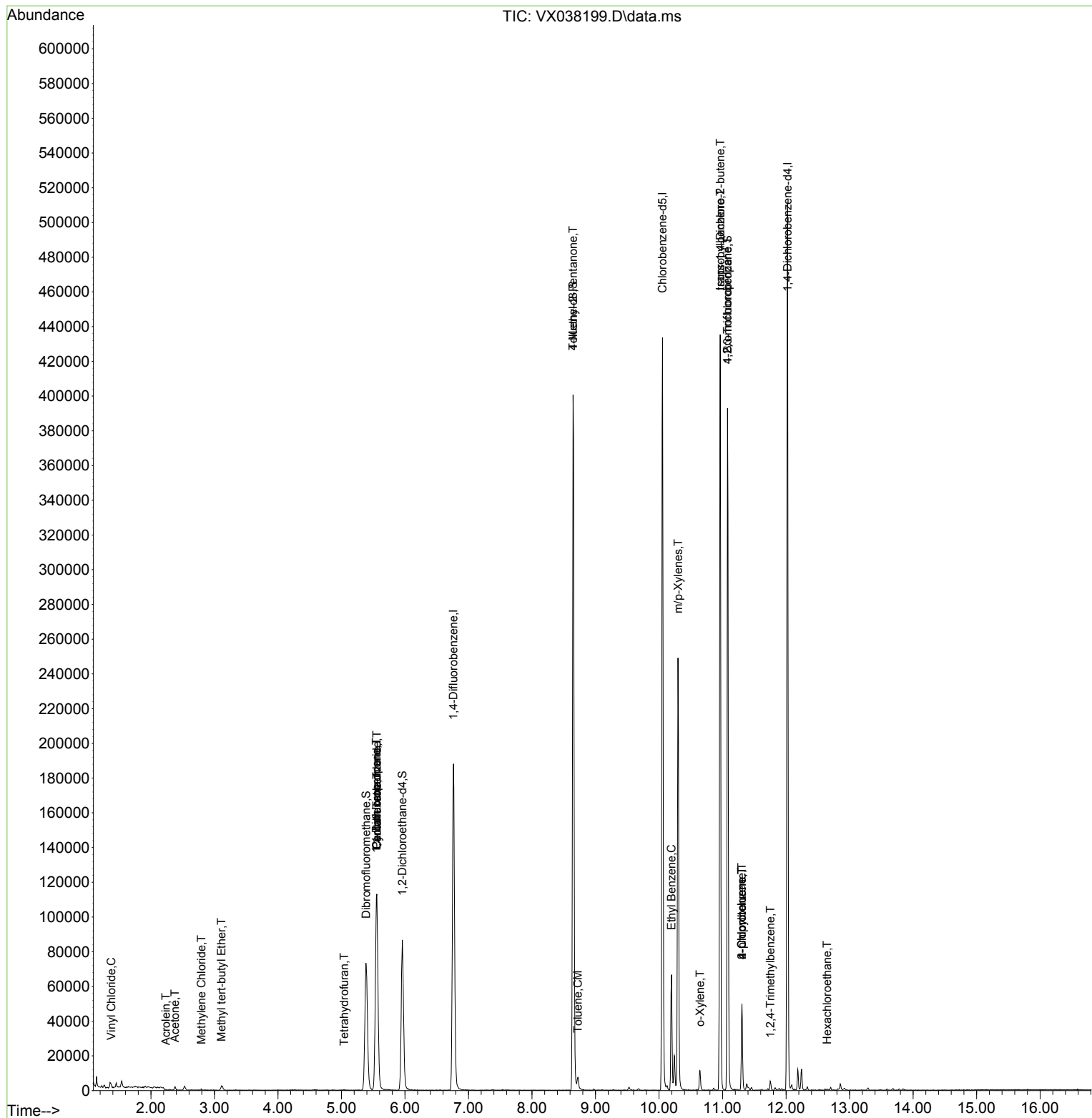
Internal Standards						
1) Pentafluorobenzene	5.556	168	105601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189111	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	192937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79320	46.699	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.400%		
35) Dibromofluoromethane	5.385	113	63307	46.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.920%		
50) Toluene-d8	8.647	98	239128	45.924	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.840%#		
62) 4-Bromofluorobenzene	11.079	95	95917	48.589	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.180%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.374	62	380	0.330	ug/l #	69
5) Bromomethane	1.538	94	53	Below Cal	#	3
6) Chloroethane	1.697	64	146	Below Cal	#	43
13) Acrolein	2.233	56	87	0.360	ug/l	89
16) Acetone	2.380	43	1656	2.336	ug/l #	80
19) Methyl tert-butyl Ether	3.111	73	2899	0.753	ug/l	96
20) Methylene Chloride	2.794	84	313	0.235	ug/l #	54
29) Tetrahydrofuran	5.044	42	163	0.219	ug/l #	34
31) Cyclohexane	5.556	56	2497	1.357	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	8954	4.765	ug/l #	50
38) Carbon Tetrachloride	5.556	117	11015	5.959	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	987	0.430	ug/l #	1
52) Toluene	8.720	92	2242	0.655	ug/l	89
67) Ethyl Benzene	10.195	91	38410	5.330	ug/l	100
68) m/p-Xylenes	10.299	106	54755	19.650	ug/l	97
69) o-Xylene	10.646	106	2767	1.017	ug/l	95
73) Isopropylbenzene	10.963	105	217417	31.537	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	53515	22.899	ug/l #	37
78) n-propylbenzene	11.305	91	32159	3.815	ug/l	98
79) 2-Chlorotoluene	11.305	91	32159	6.433	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.963	75	2855	7.314	ug/l #	65
82) 4-Chlorotoluene	11.305	91	32159	5.436	ug/l #	46
84) 1,2,4-Trimethylbenzene	11.756	105	2378	0.401	ug/l	88
90) Hexachloroethane	12.646	117	252	0.245	ug/l #	17

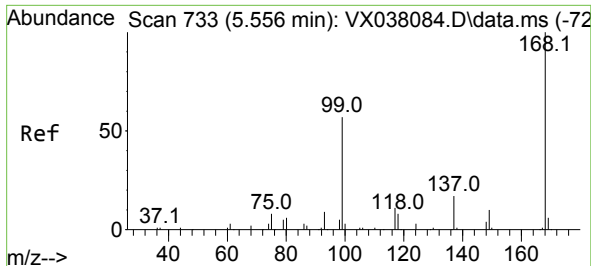
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 05 15:27:13 2023
Response via : Initial Calibration

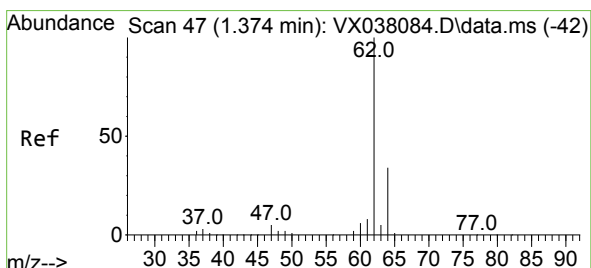
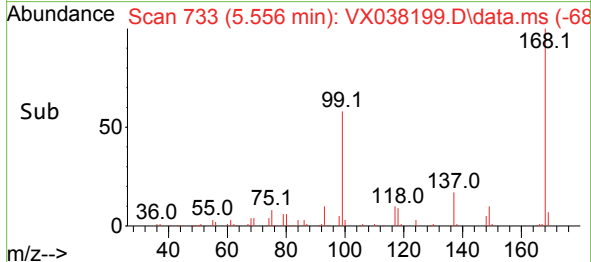
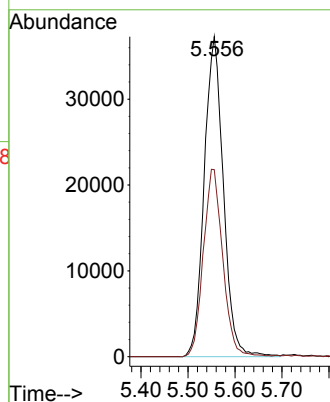
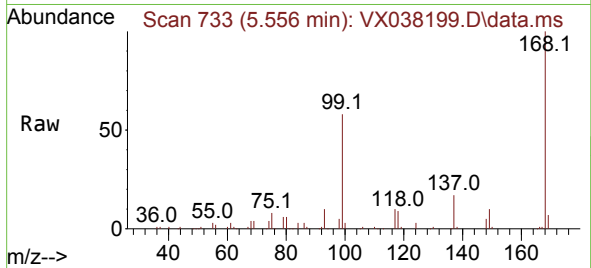




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

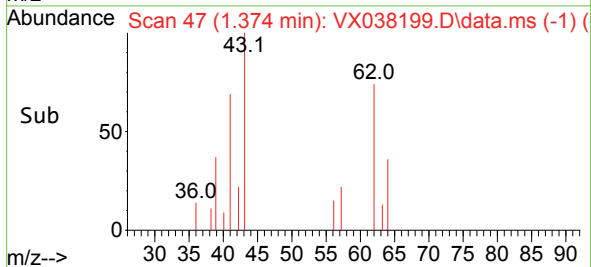
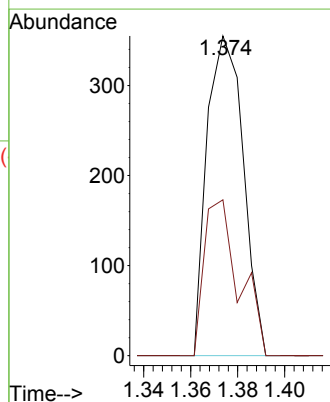
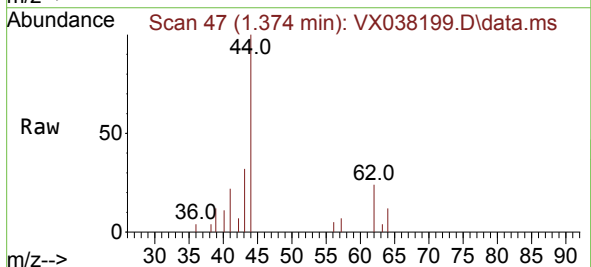
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

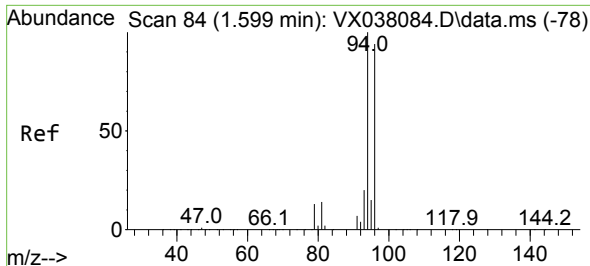
Tgt Ion:168 Resp: 105601
Ion Ratio Lower Upper
168 100
99 58.4 56.6 85.0



#4
Vinyl Chloride
Concen: 0.330 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 62 Resp: 380
Ion Ratio Lower Upper
62 100
64 48.7 25.4 38.0#

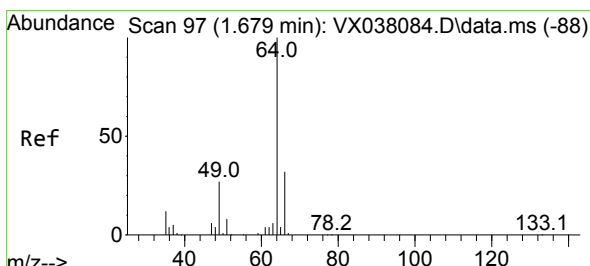
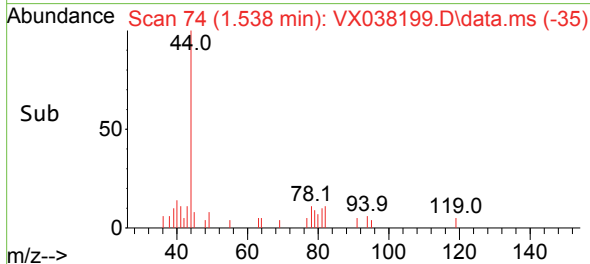
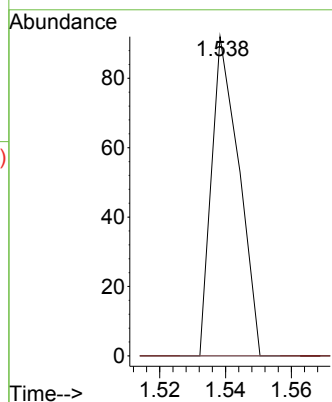
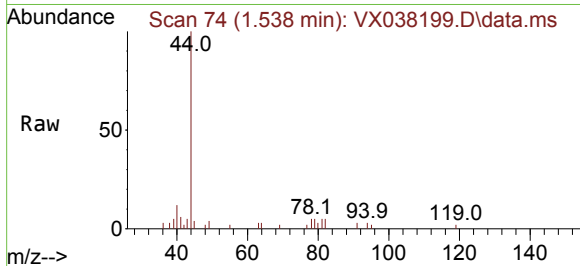




#5
Bromomethane
Concen: Below Cal
RT: 1.538 min Scan# 74
Delta R.T. -0.061 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

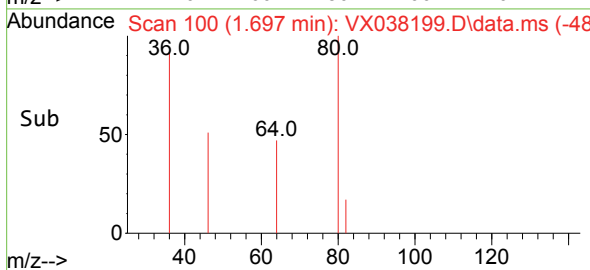
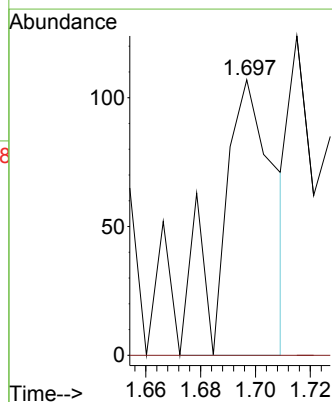
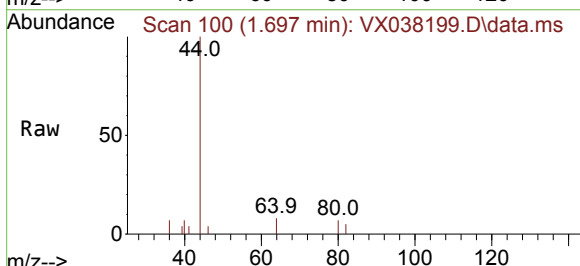
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

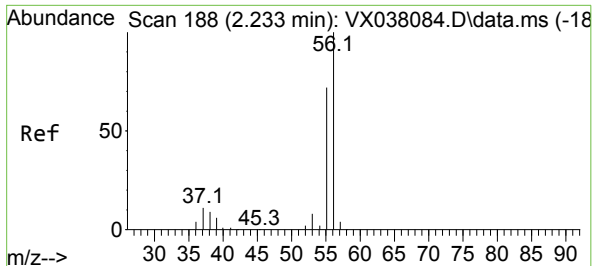
Tgt Ion: 94 Resp: 53
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

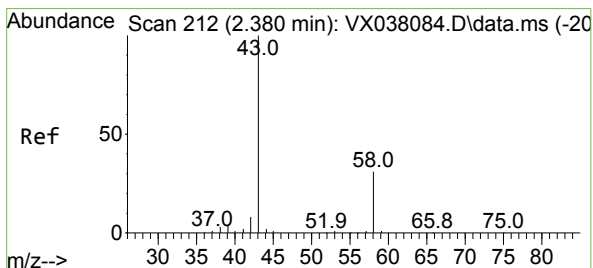
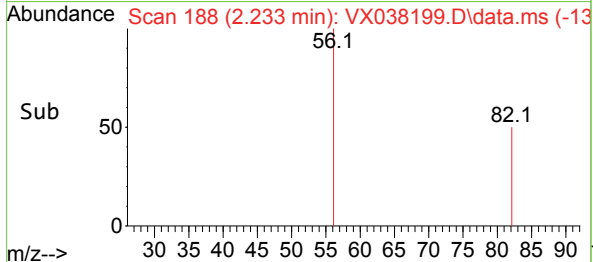
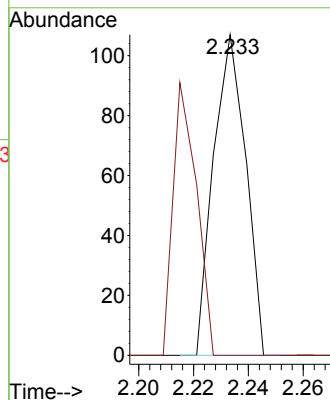
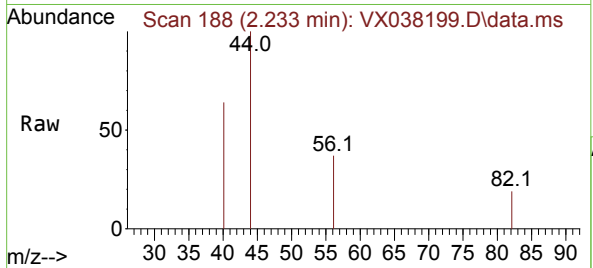




#13
Acrolein
Concen: 0.360 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

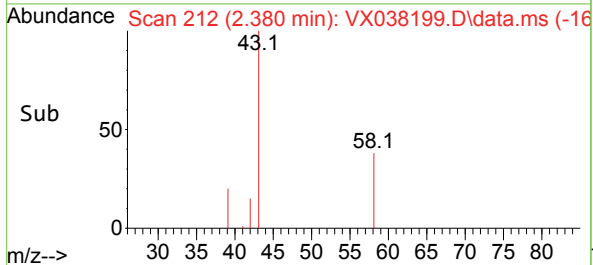
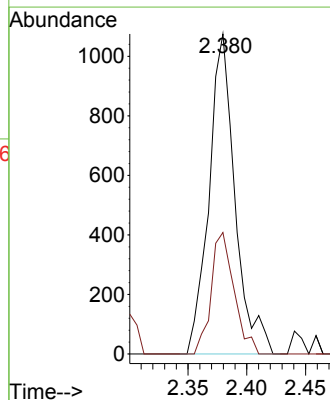
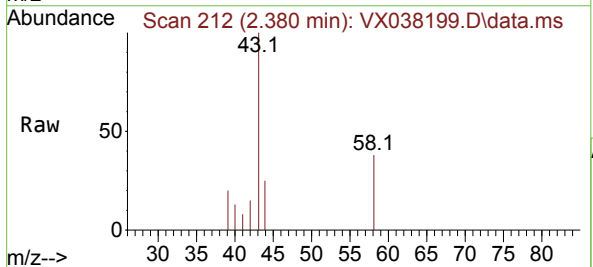
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

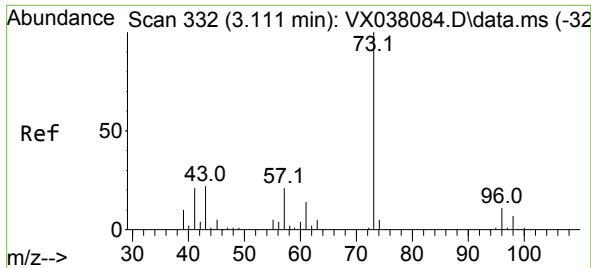
Tgt Ion: 56 Resp: 87
Ion Ratio Lower Upper
56 100
55 62.1 57.1 85.7



#16
Acetone
Concen: 2.336 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 38.0 21.9 32.9#

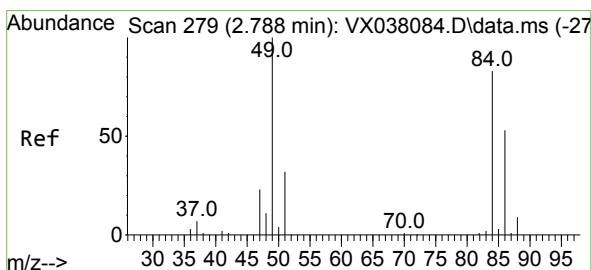
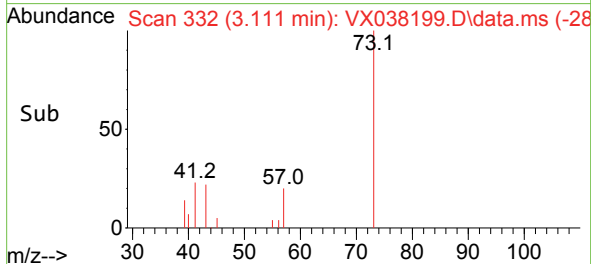
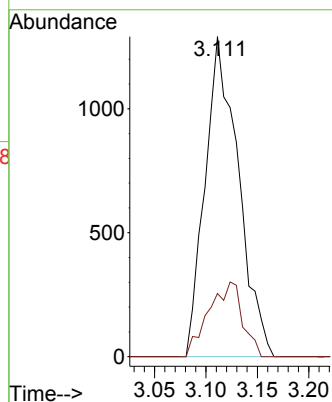
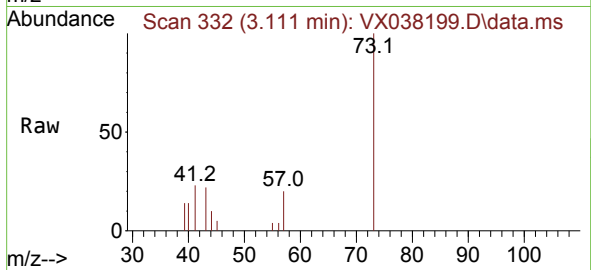




#19
Methyl tert-butyl Ether
Concen: 0.753 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

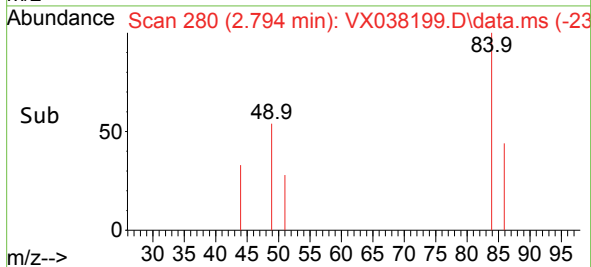
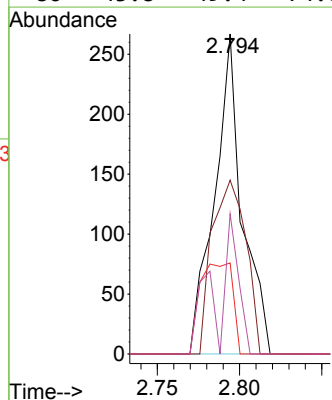
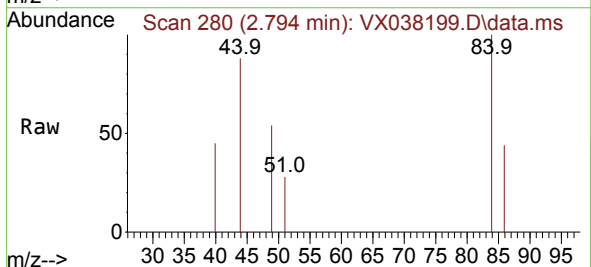
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

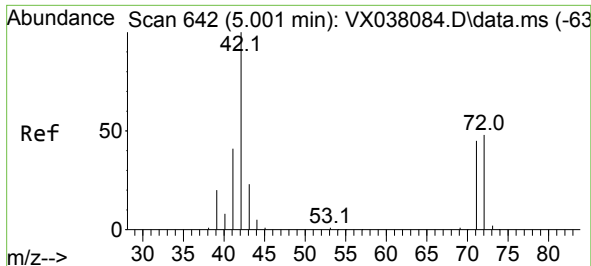
Tgt Ion: 73 Resp: 2899
Ion Ratio Lower Upper
73 100
57 19.8 17.3 25.9



#20
Methylene Chloride
Concen: 0.235 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 84 Resp: 313
Ion Ratio Lower Upper
84 100
49 54.3 103.6 155.4#
51 28.5 33.8 50.6#
86 43.8 49.4 74.0#





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX038199.D

Acq: 10 Oct 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

GW-3-37-40

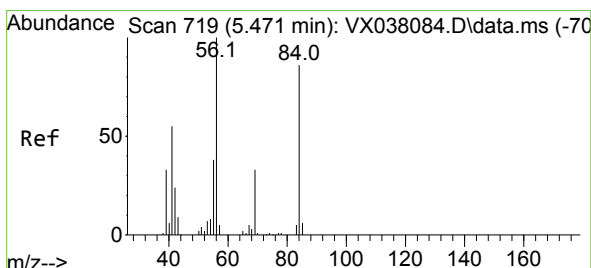
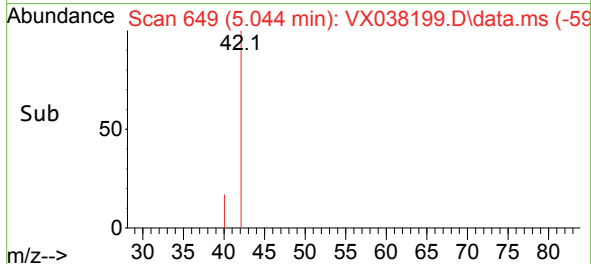
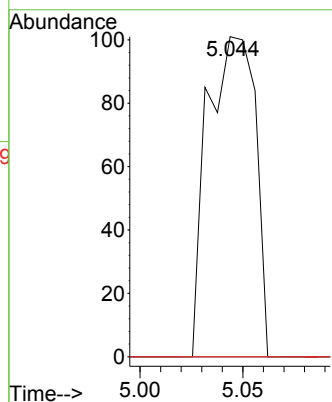
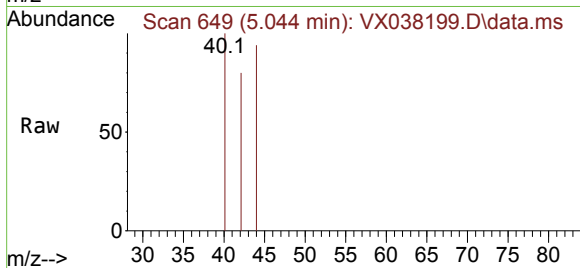
Tgt Ion: 42 Resp: 163

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.357 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX038199.D

Acq: 10 Oct 2023 14:23

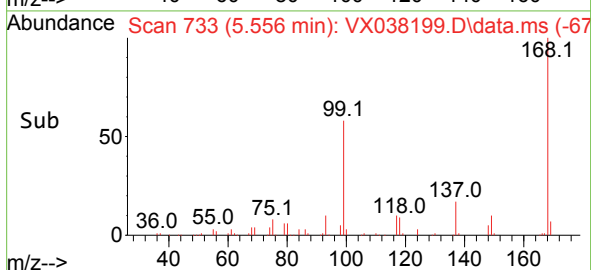
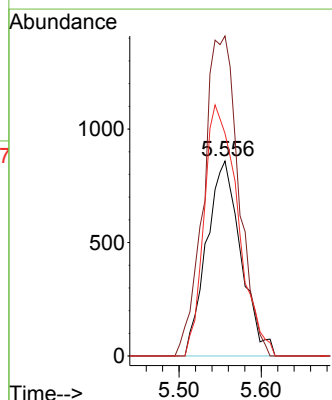
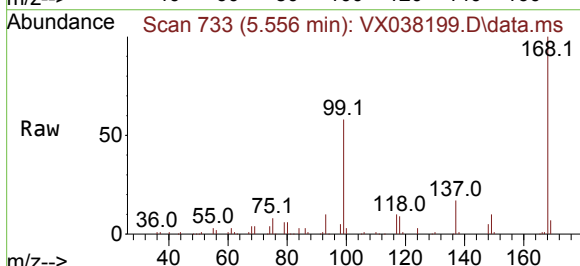
Tgt Ion: 56 Resp: 2497

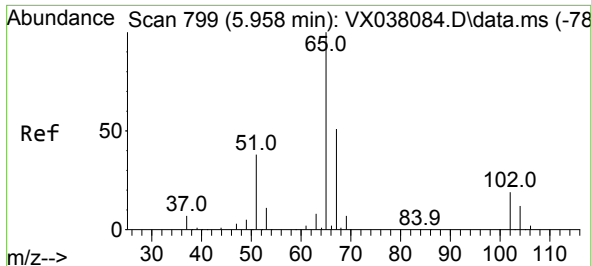
Ion Ratio Lower Upper

56 100

69 164.1 23.4 35.2#

84 114.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.699 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038199.D

Acq: 10 Oct 2023 14:23

Instrument :

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ClientSampleId :

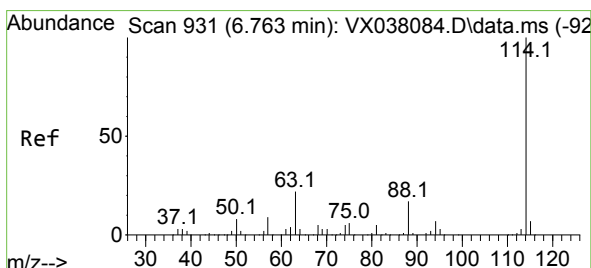
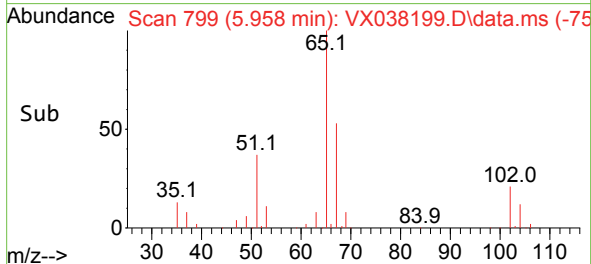
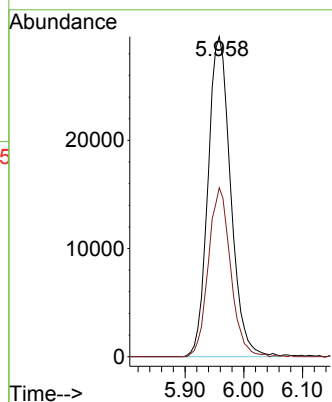
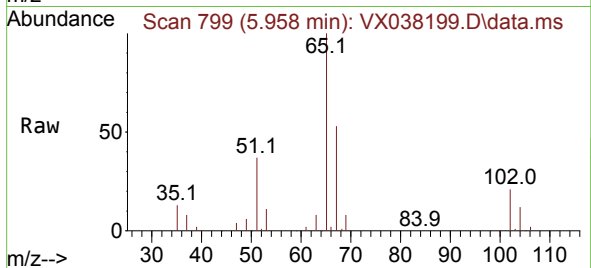
GW-3-37-40

Tgt Ion: 65 Resp: 79320

Ion Ratio Lower Upper

65 100

67 51.7 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX038199.D

Acq: 10 Oct 2023 14:23

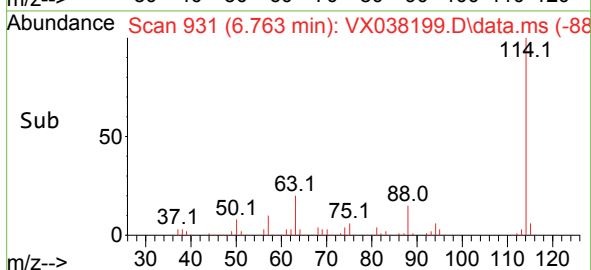
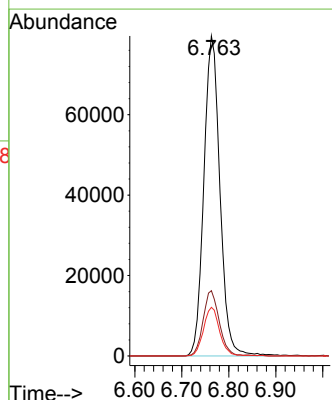
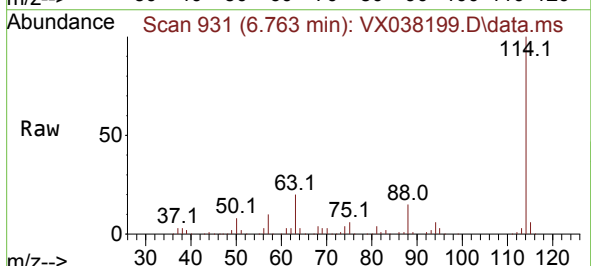
Tgt Ion: 114 Resp: 189111

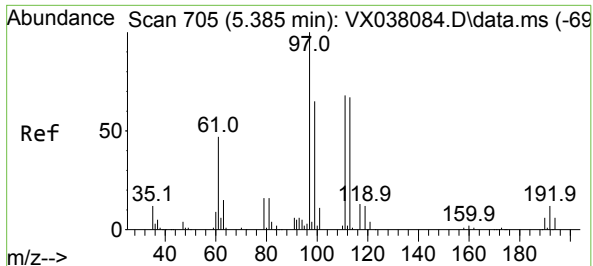
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 15.2 0.0 36.6

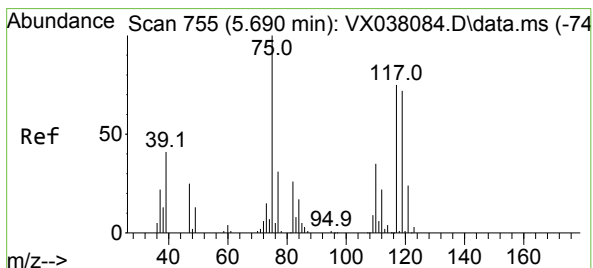
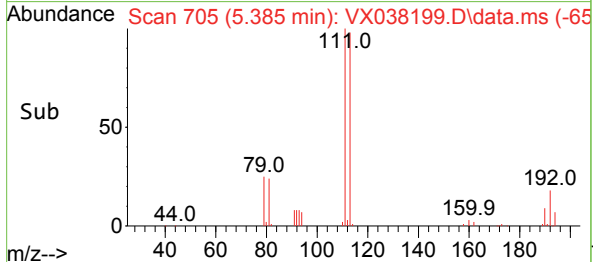
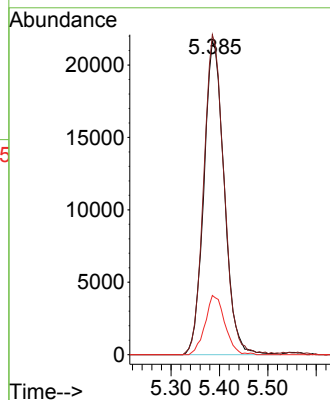
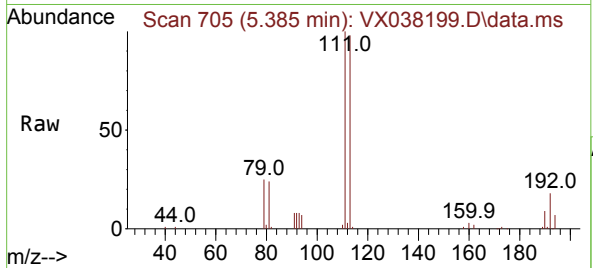




#35
Dibromofluoromethane
Concen: 46.458 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

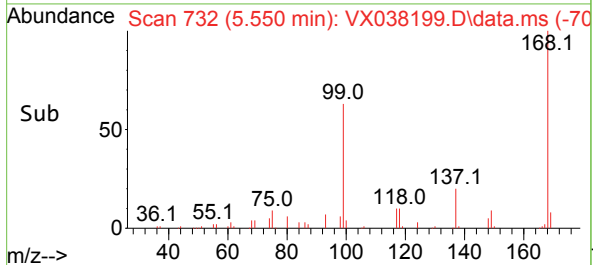
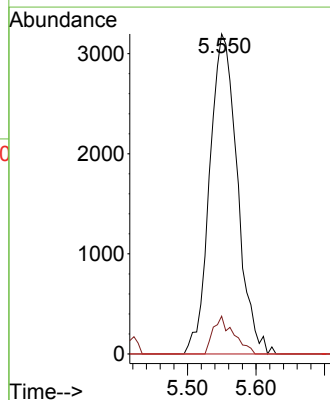
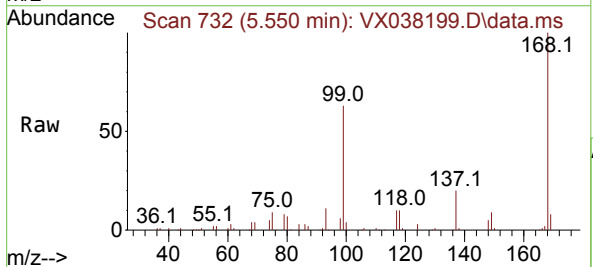
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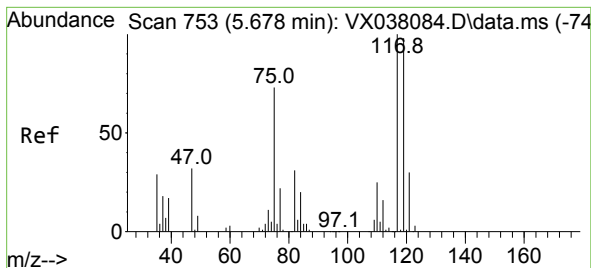
Tgt Ion:113 Resp: 63307
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 18.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.765 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 75 Resp: 8954
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.959 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

Lab File: VX038199.D

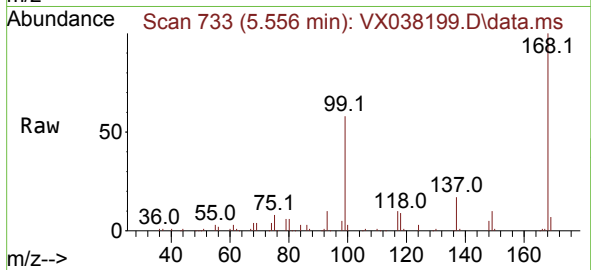
Acq: 10 Oct 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

GW-3-37-40



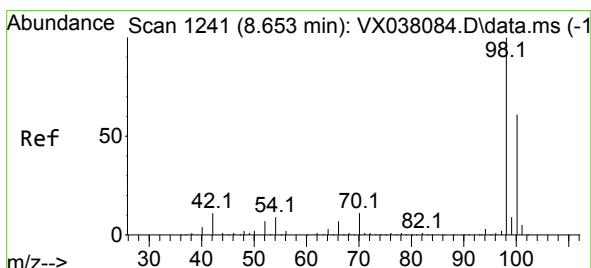
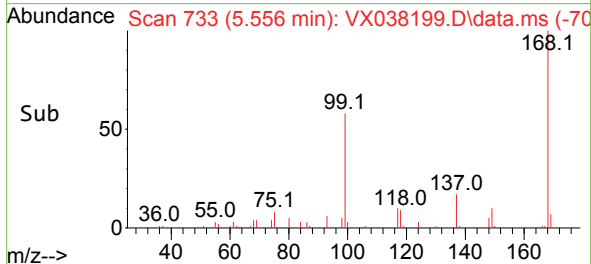
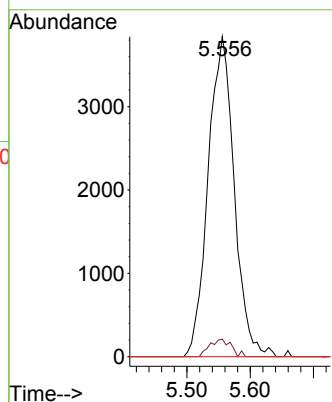
Tgt Ion:117 Resp: 11015

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 45.924 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038199.D

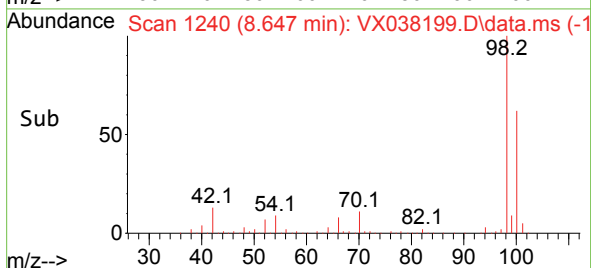
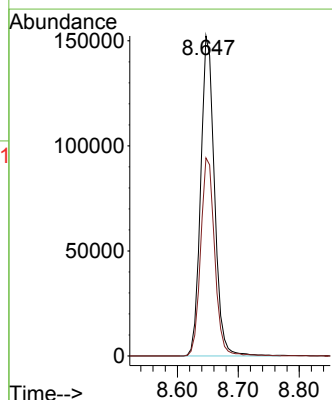
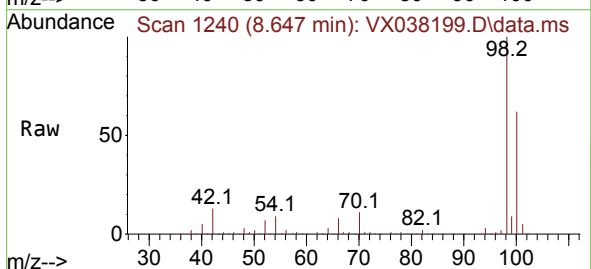
Acq: 10 Oct 2023 14:23

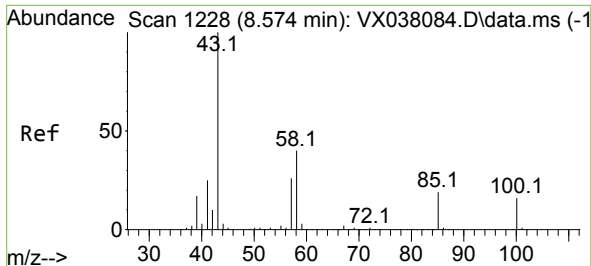
Tgt Ion: 98 Resp: 239128

Ion Ratio Lower Upper

98 100

100 63.2 53.1 79.7

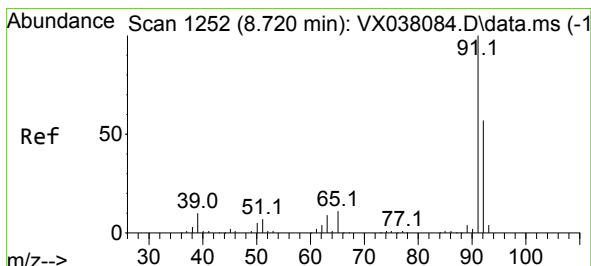
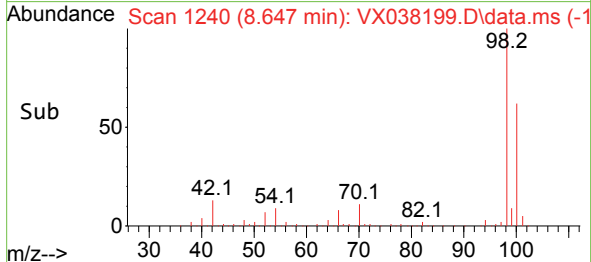
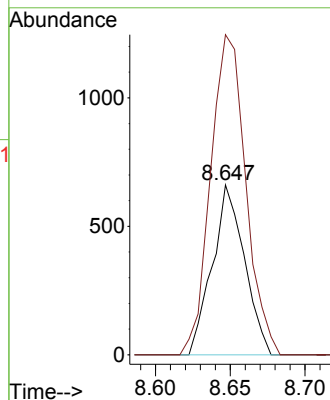
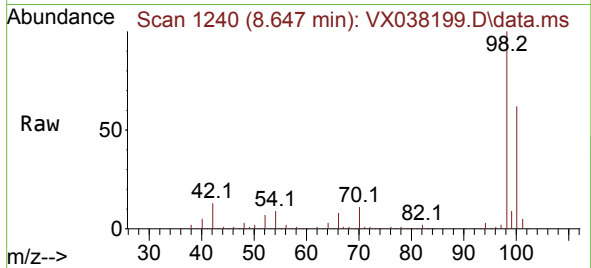




#51
4-Methyl-2-Pentanone
Concen: 0.430 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

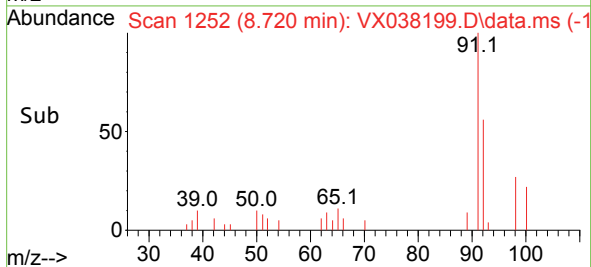
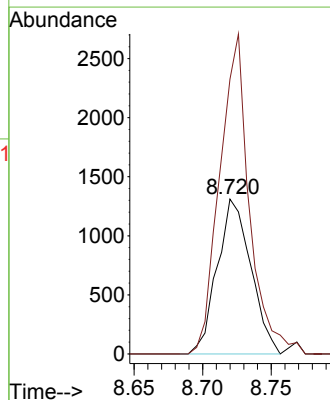
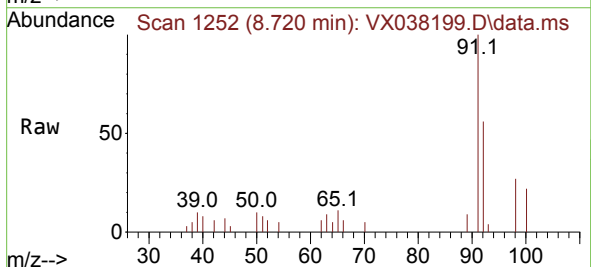
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

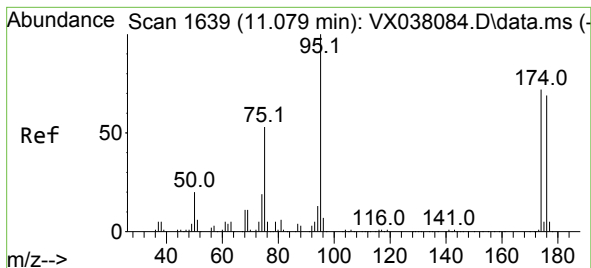
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
58 206.5 30.4 45.6#



#52
Toluene
Concen: 0.655 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 92 Resp: 2242
Ion Ratio Lower Upper
92 100
91 182.3 134.2 201.2

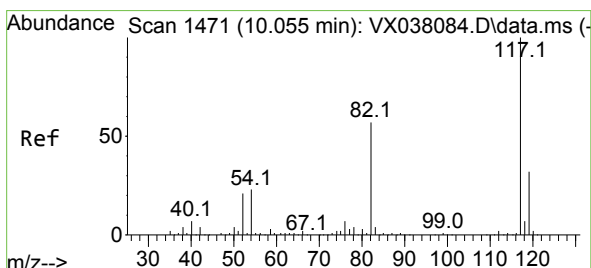
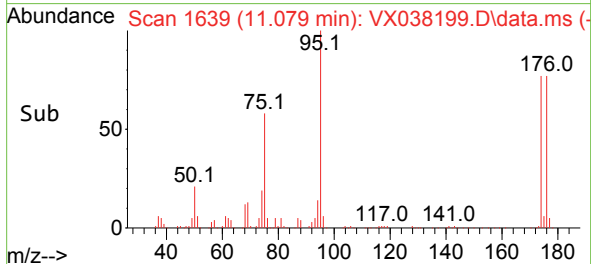
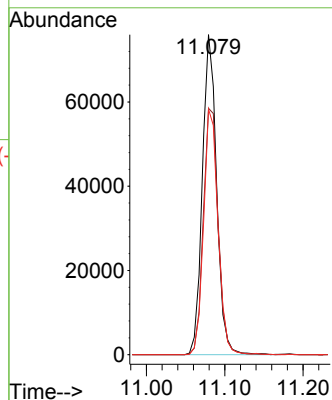
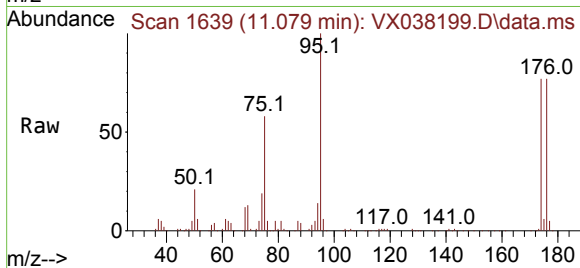




#62
4-Bromofluorobenzene
Concen: 48.589 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

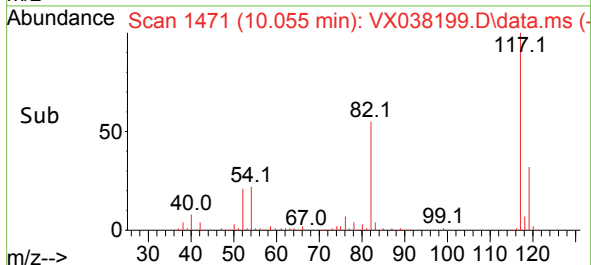
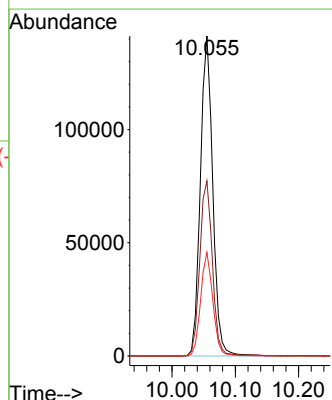
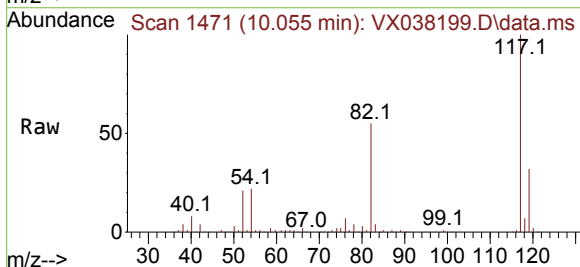
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

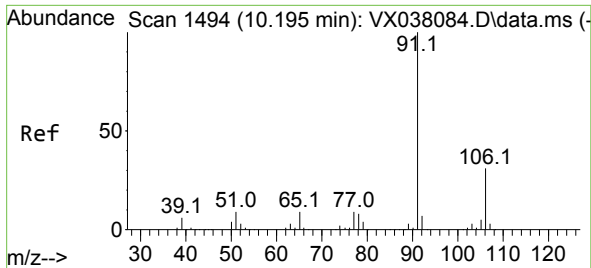
Tgt Ion: 95 Resp: 95917
Ion Ratio Lower Upper
95 100
174 80.6 0.0 135.6
176 77.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 117 Resp: 192937
Ion Ratio Lower Upper
117 100
82 54.7 46.2 69.4
119 32.4 25.5 38.3

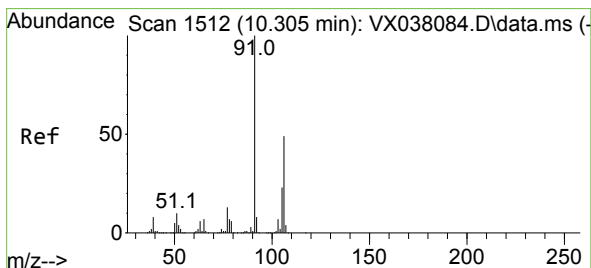
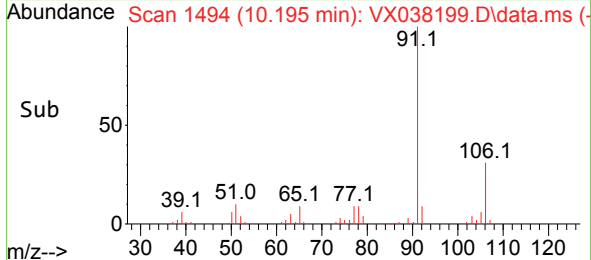
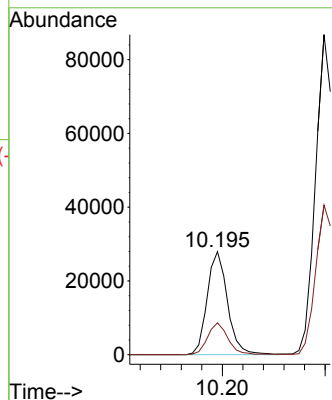
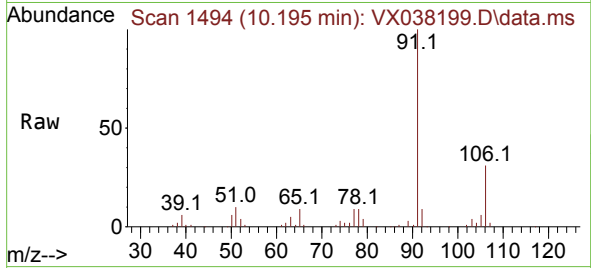




#67
Ethyl Benzene
Concen: 5.330 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

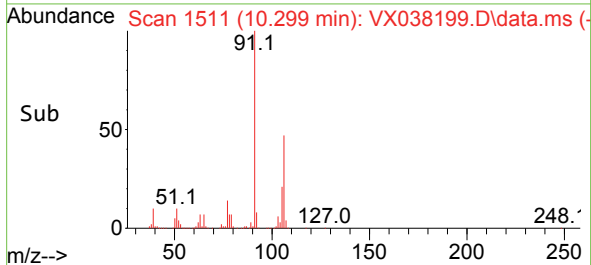
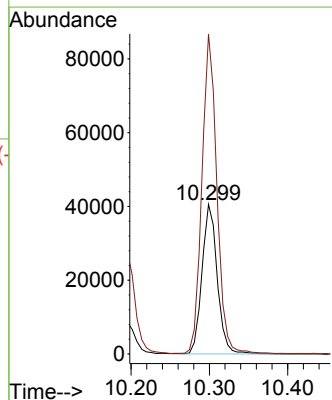
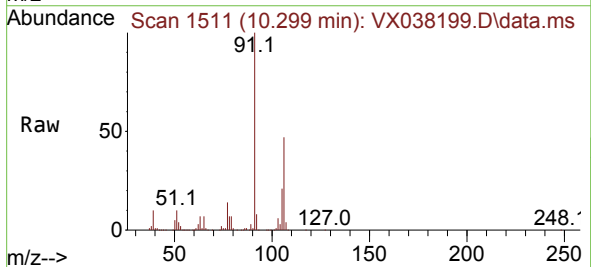
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

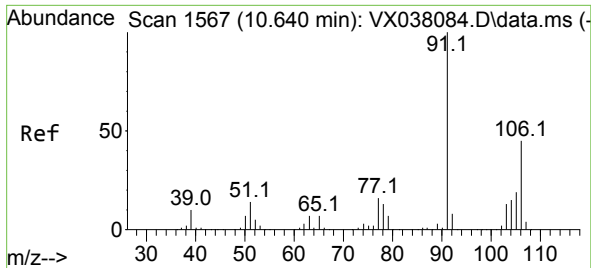
Tgt Ion: 91 Resp: 38410
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 19.650 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 106 Resp: 54755
Ion Ratio Lower Upper
106 100
91 211.4 165.5 248.3

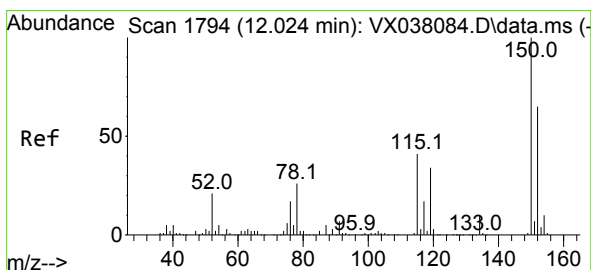
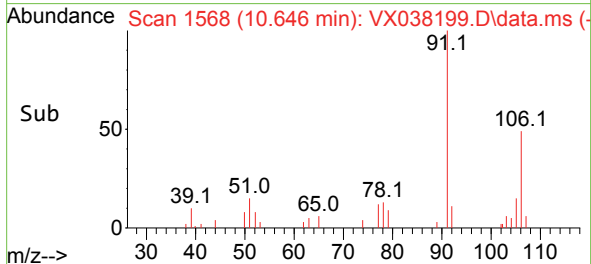
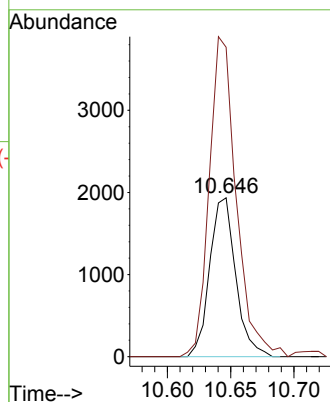
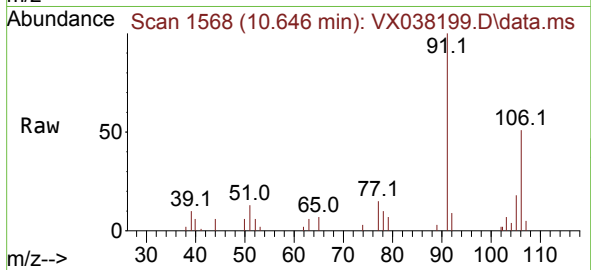




#69
o-Xylene
Concen: 1.017 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

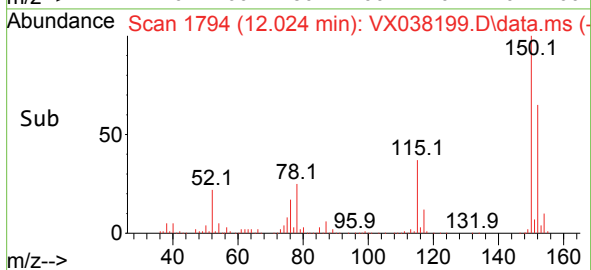
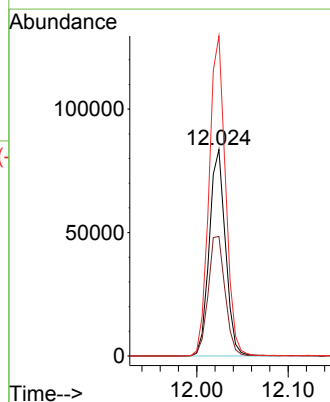
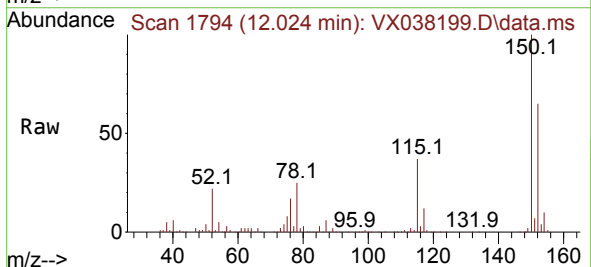
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

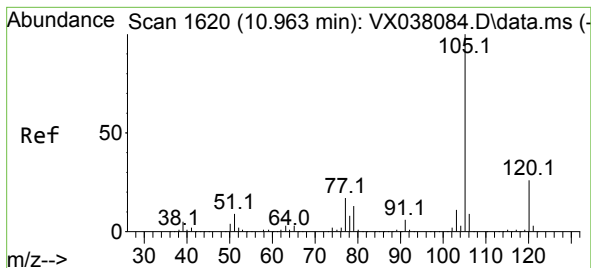
Tgt Ion:106 Resp: 2767
Ion Ratio Lower Upper
106 100
91 209.2 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion:152 Resp: 102800
Ion Ratio Lower Upper
152 100
115 60.9 43.3 129.9
150 157.5 0.0 345.0





#73

Isopropylbenzene

Concen: 31.537 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038199.D

Acq: 10 Oct 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

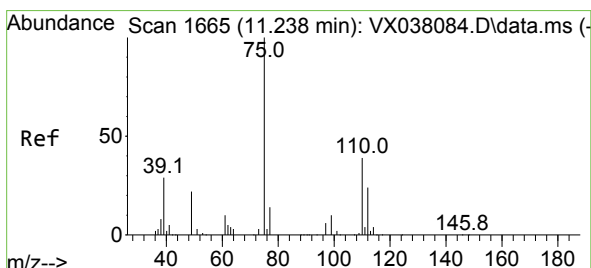
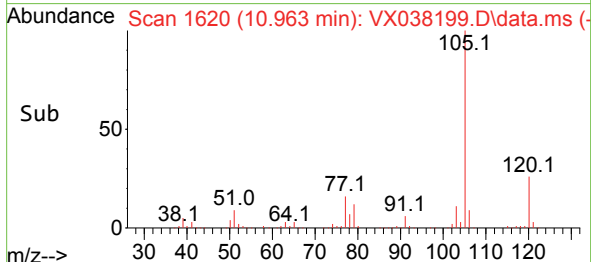
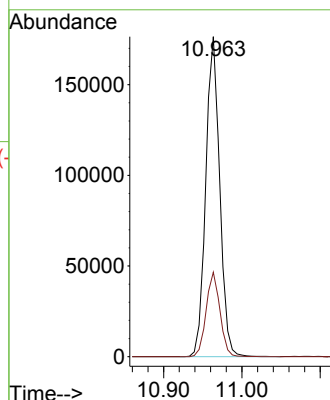
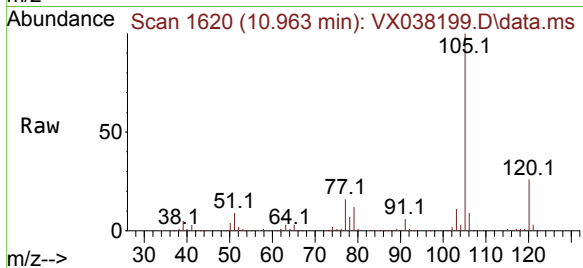
GW-3-37-40

Tgt Ion:105 Resp: 217417

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 22.899 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038199.D

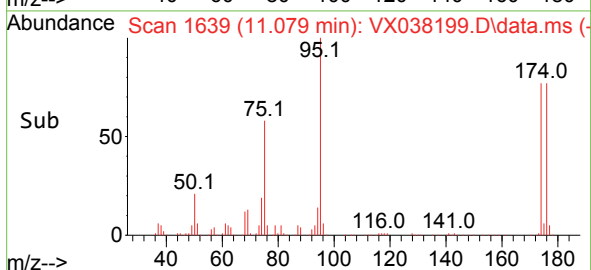
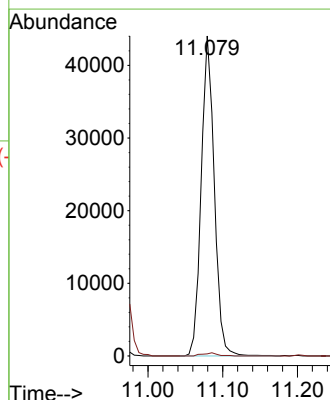
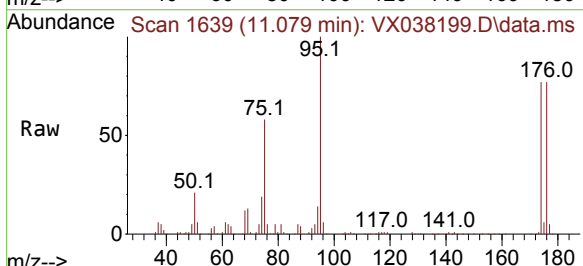
Acq: 10 Oct 2023 14:23

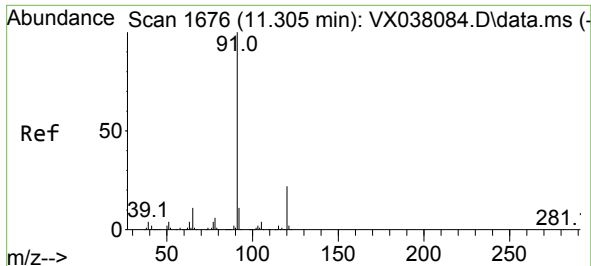
Tgt Ion: 75 Resp: 53515

Ion Ratio Lower Upper

75 100

77 0.0 19.1 57.5#

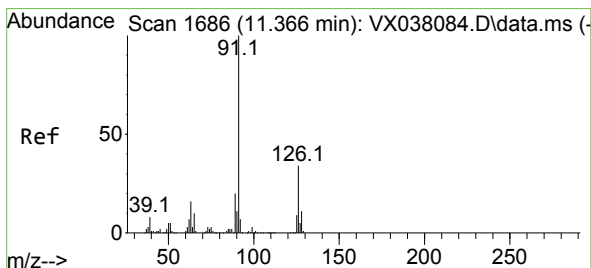
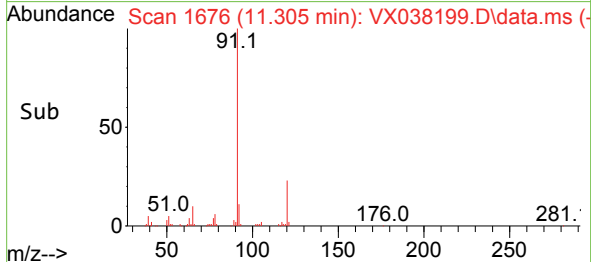
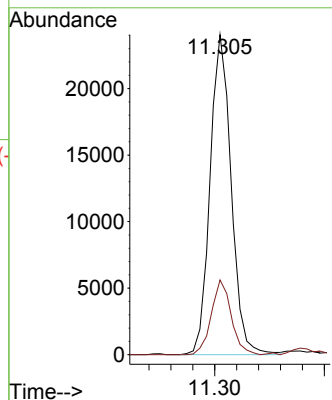
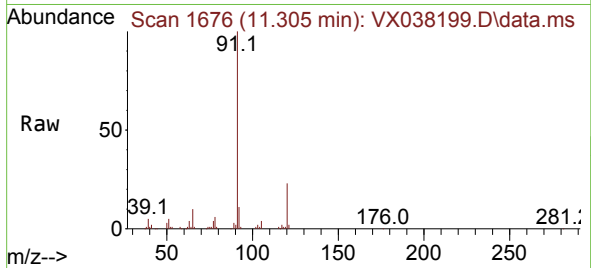




#78
n-propylbenzene
Concen: 3.815 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

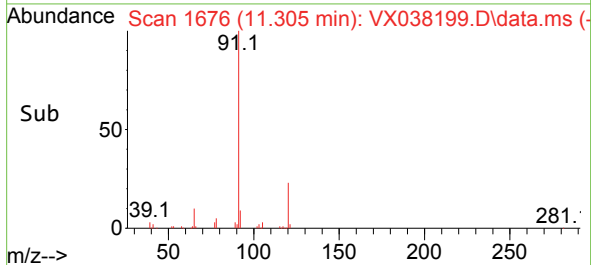
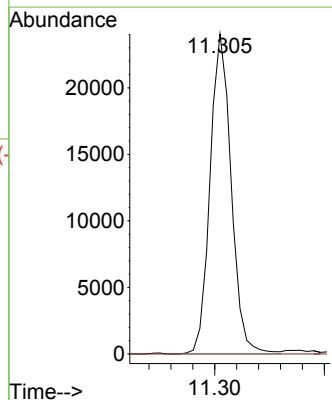
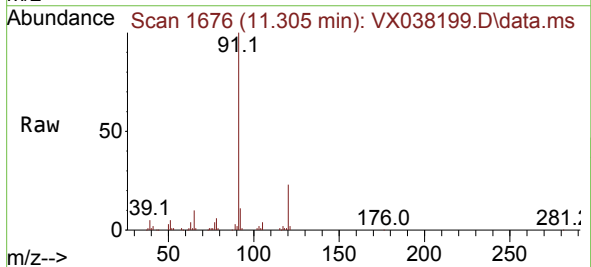
Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

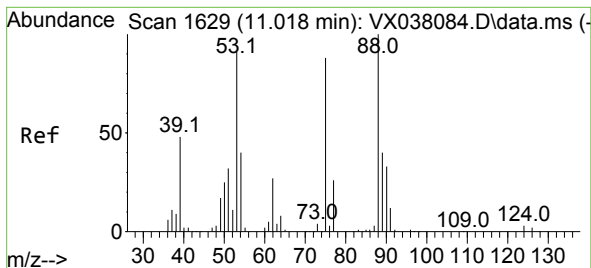
Tgt Ion: 91 Resp: 32159
Ion Ratio Lower Upper
91 100
120 22.0 11.5 34.4



#79
2-Chlorotoluene
Concen: 6.433 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion: 91 Resp: 32159
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 7.314 ug/l

RT: 10.963 min Scan# 1

Delta R.T. -0.055 min

Lab File: VX038199.D

Acq: 10 Oct 2023 14:23

Instrument :

MSVOA_X

ClientSampleId :

GW-3-37-40

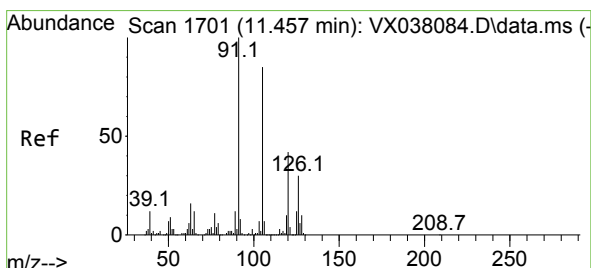
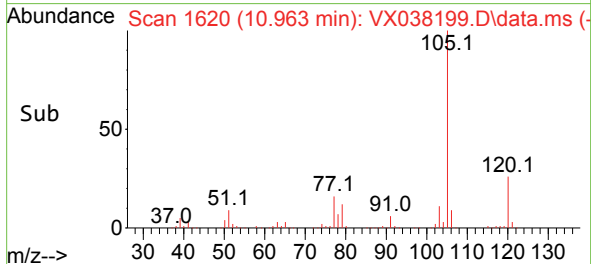
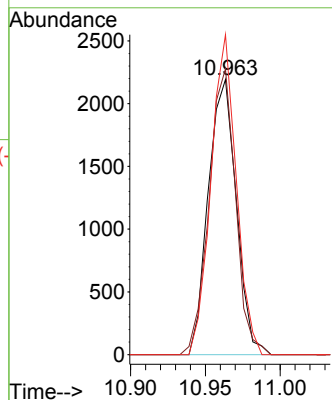
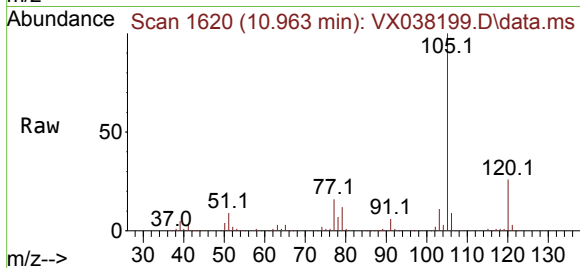
Tgt Ion: 75 Resp: 2855

Ion Ratio Lower Upper

75 100

53 98.6 90.5 135.7

89 104.9 36.9 55.3#



#82

4-Chlorotoluene

Concen: 5.436 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.152 min

Lab File: VX038199.D

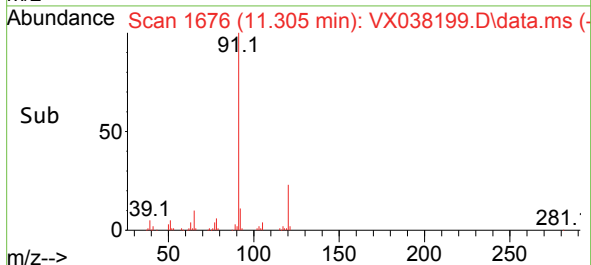
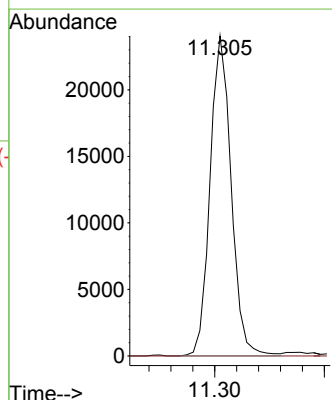
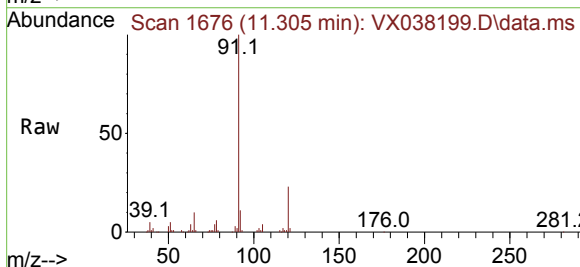
Acq: 10 Oct 2023 14:23

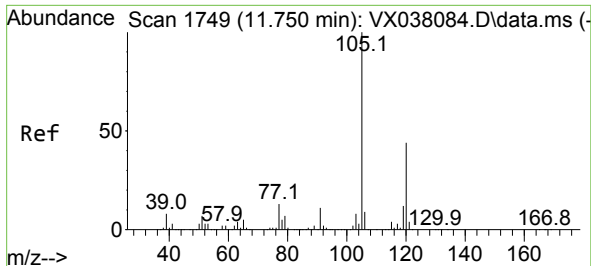
Tgt Ion: 91 Resp: 32159

Ion Ratio Lower Upper

91 100

126 0.0 14.2 42.6#

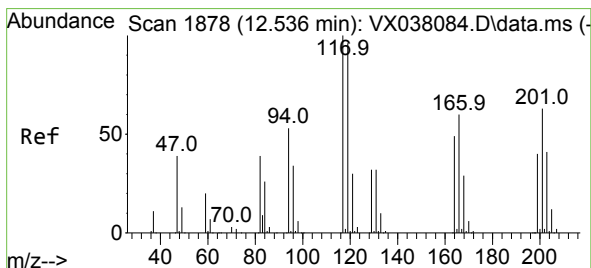
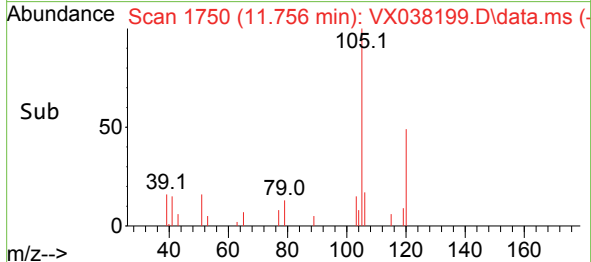
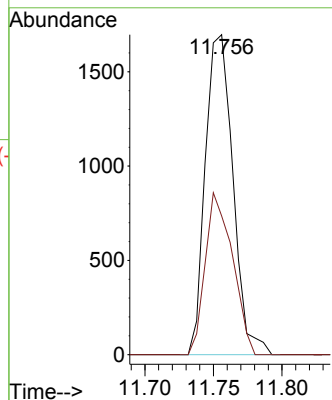
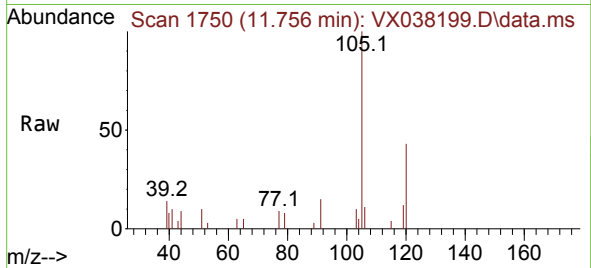




#84
1,2,4-Trimethylbenzene
Concen: 0.401 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Instrument :
MSVOA_X
ClientSampleId :
GW-3-37-40

Tgt Ion:105 Resp: 2378
Ion Ratio Lower Upper
105 100
120 50.0 21.2 63.6



#90
Hexachloroethane
Concen: 0.245 ug/l
RT: 12.646 min Scan# 1896
Delta R.T. 0.110 min
Lab File: VX038199.D
Acq: 10 Oct 2023 14:23

Tgt Ion:117 Resp: 252
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

