

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101023\
 Data File : VX038203.D
 Acq On : 10 Oct 2023 15:56
 Operator : JC/MD
 Sample : 04782-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4-37-40

Quant Time: Oct 11 01:39:27 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)

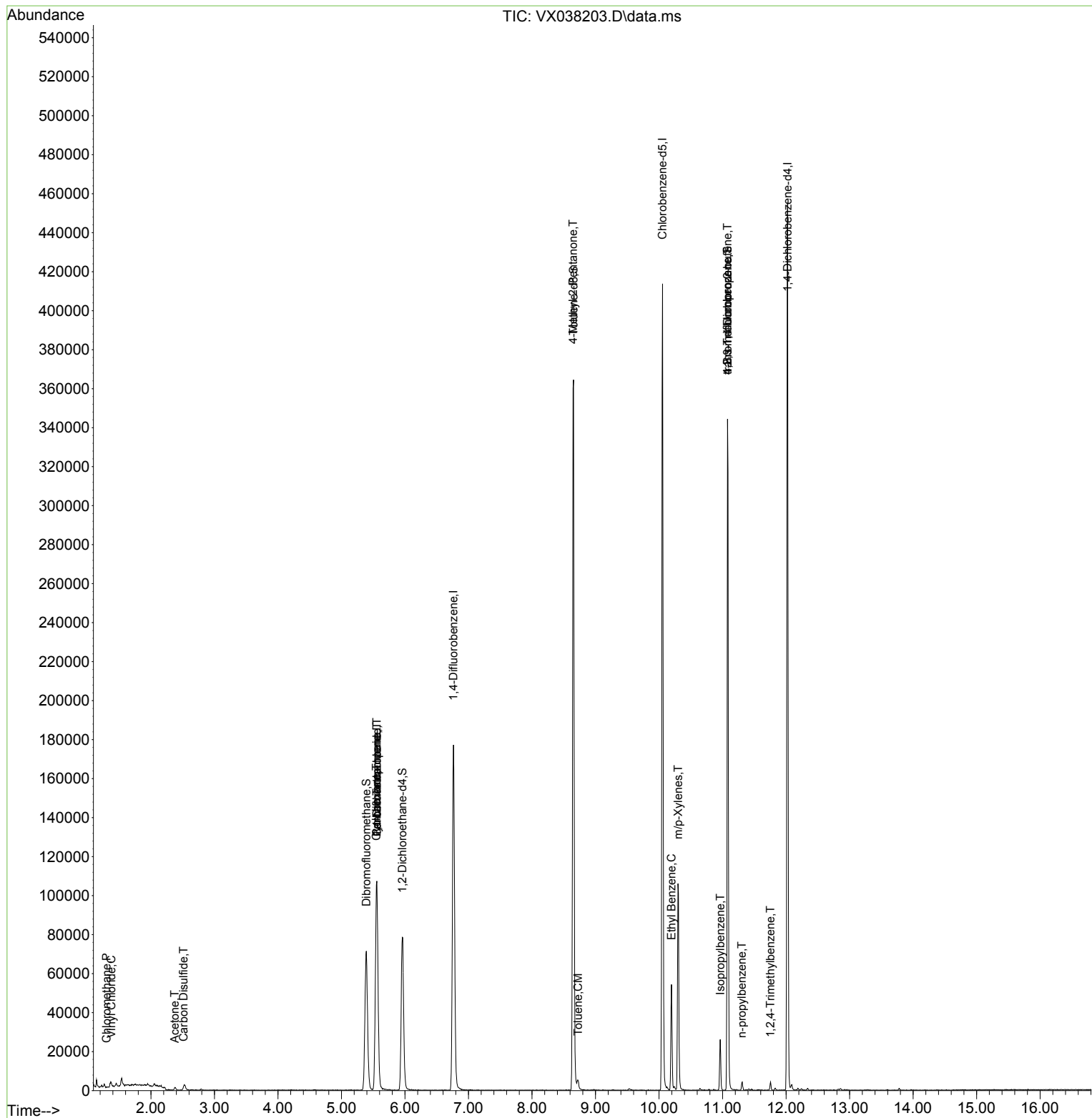
Internal Standards						
1) Pentafluorobenzene	5.556	168	101172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	180943	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75333	46.294	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	92.580%
35) Dibromofluoromethane	5.391	113	60140	46.126	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.260%
50) Toluene-d8	8.653	98	228055	45.774	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.540%#
62) 4-Bromofluorobenzene	11.079	95	85899	45.478	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.960%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	210	0.211	ug/l #	43
4) Vinyl Chloride	1.374	62	1124	1.019	ug/l #	63
5) Bromomethane	1.538	94	31	Below Cal	#	3
6) Chloroethane	1.660	64	197	Below Cal	#	43
16) Acetone	2.373	43	1531	2.254	ug/l	91
17) Carbon Disulfide	2.514	76	1618	0.606	ug/l #	95
31) Cyclohexane	5.550	56	2438	1.383	ug/l #	12
36) 1,1-Dichloropropene	5.556	75	8544	4.752	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10809	6.111	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	995	0.453	ug/l #	1
52) Toluene	8.726	92	1548	0.473	ug/l	91
67) Ethyl Benzene	10.195	91	30301	4.451	ug/l	96
68) m/p-Xylenes	10.299	106	25543	9.704	ug/l	100
73) Isopropylbenzene	10.963	105	12934	2.084	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	48464	23.040	ug/l #	38
78) n-propylbenzene	11.305	91	2964	0.391	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	48464	65.882	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2060	0.386	ug/l	99

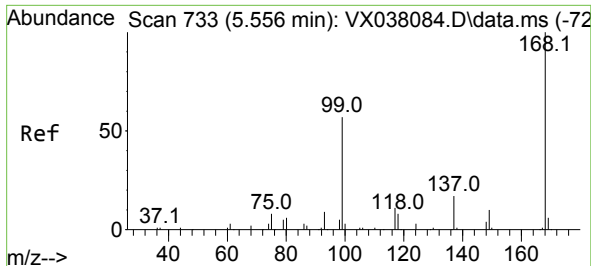
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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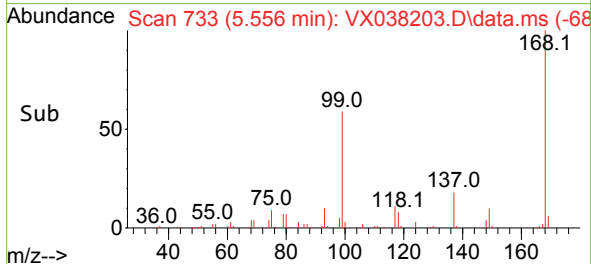
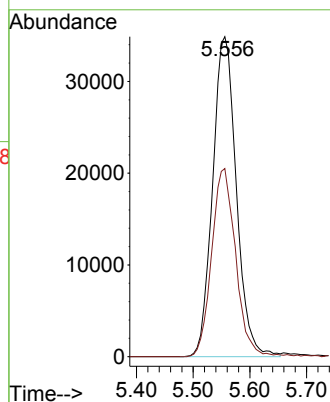
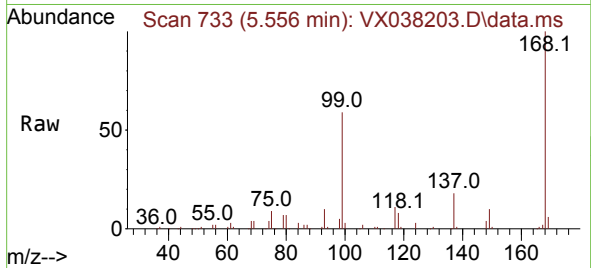




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

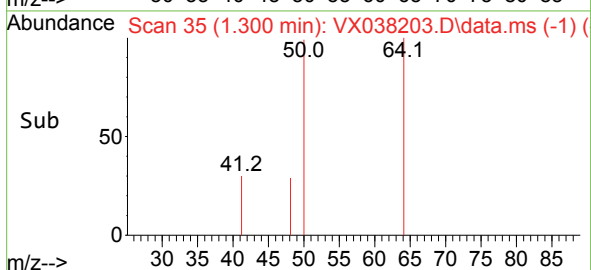
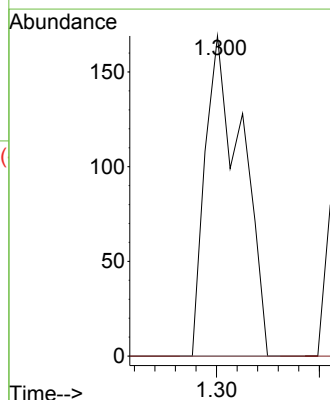
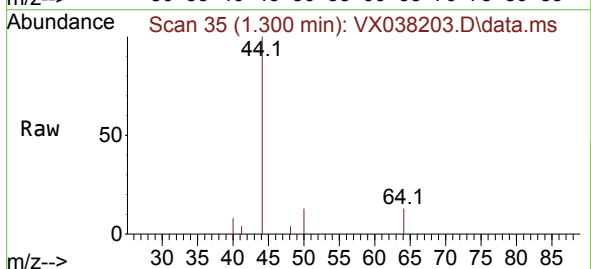
Instrument :
MSVOA_X
ClientSampleId :
GW-4-37-40

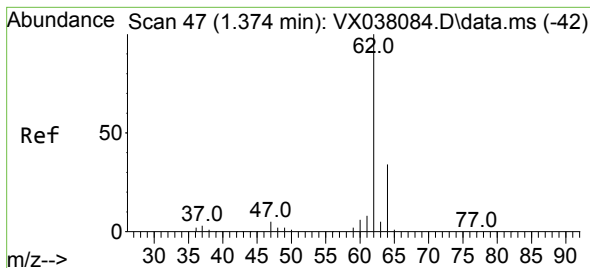
Tgt Ion:168 Resp: 101172
Ion Ratio Lower Upper
168 100
99 58.8 56.6 85.0



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.001 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

Tgt Ion: 50 Resp: 210
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

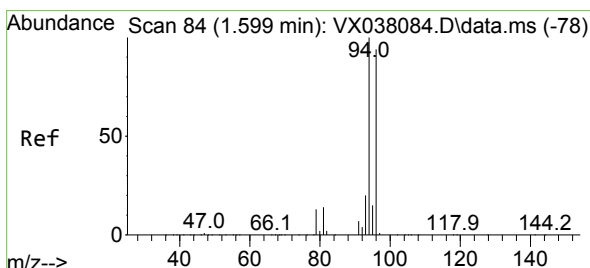
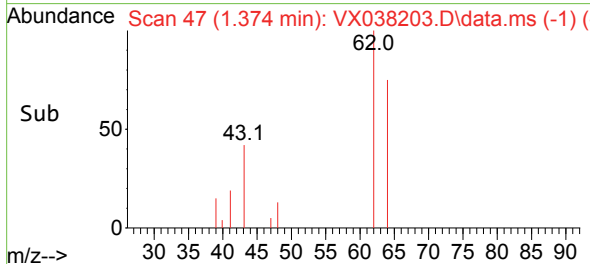
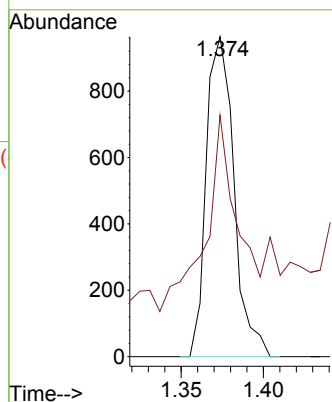
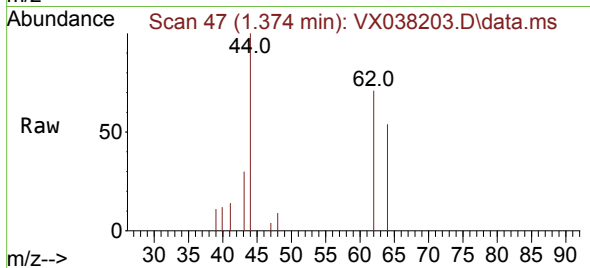




#4
 Vinyl Chloride
 Concen: 1.019 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX038203.D
 Acq: 10 Oct 2023 15:56

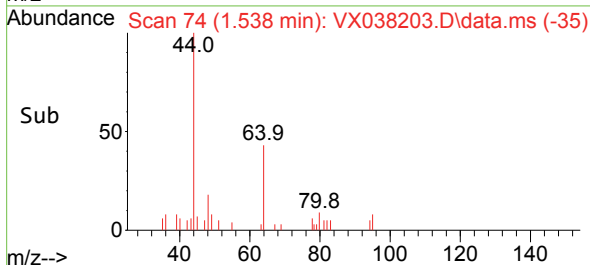
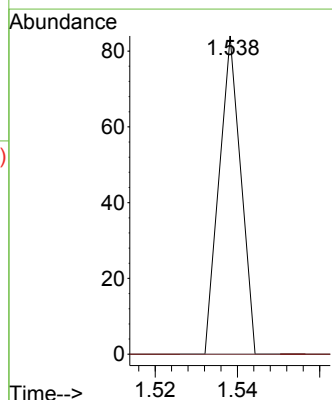
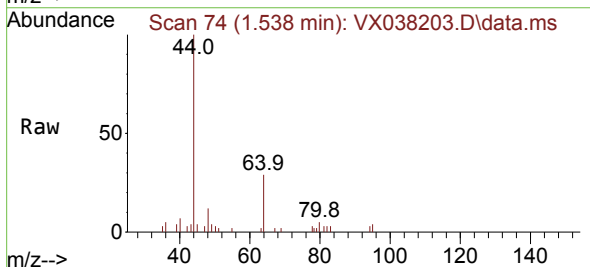
Instrument :
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 GW-4-37-40

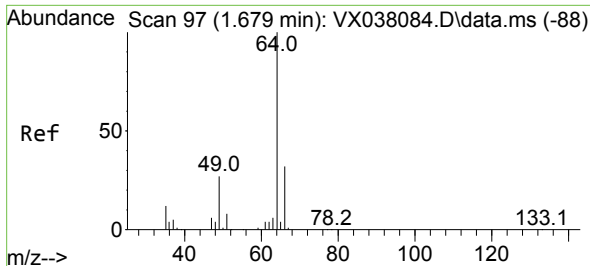
Tgt Ion: 62 Resp: 1124
 Ion Ratio Lower Upper
 62 100
 64 52.1 25.4 38.0#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.538 min Scan# 74
 Delta R.T. -0.061 min
 Lab File: VX038203.D
 Acq: 10 Oct 2023 15:56

Tgt Ion: 94 Resp: 31
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.6 111.8#

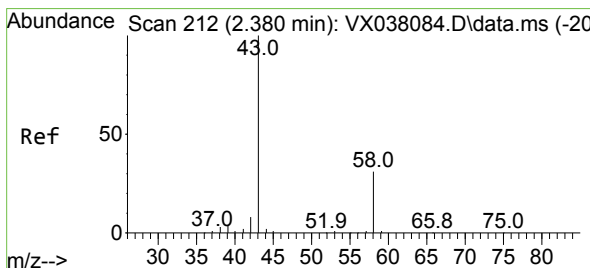
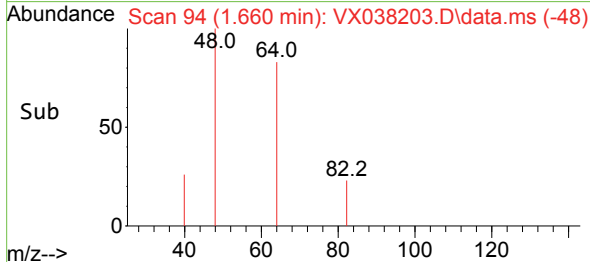
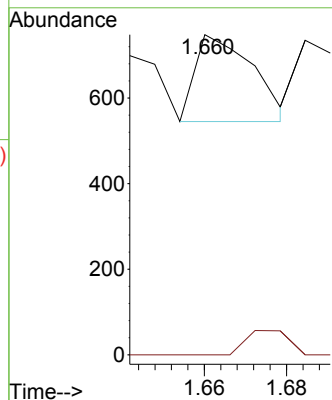
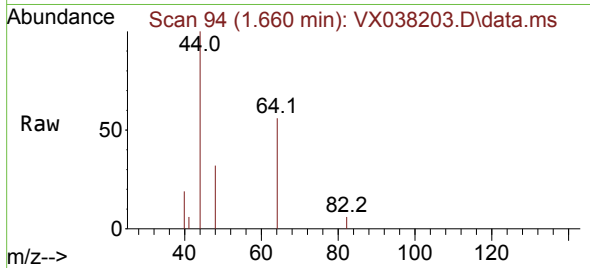




#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

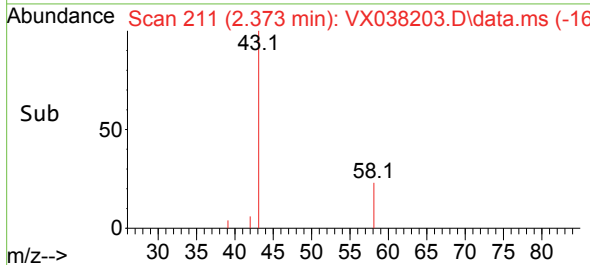
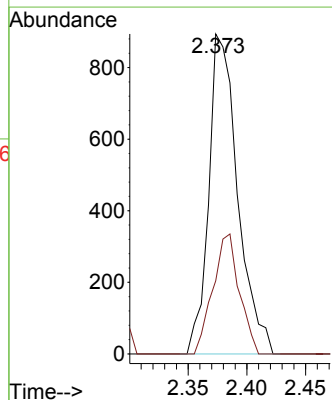
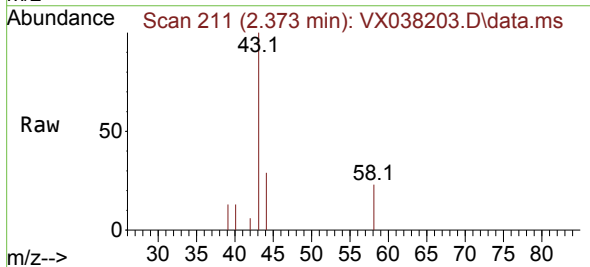
Instrument :
MSVOA_X
ClientSampleId :
GW-4-37-40

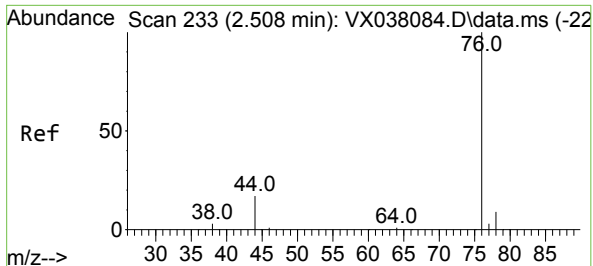
Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#16
Acetone
Concen: 2.254 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 22.8 21.9 32.9

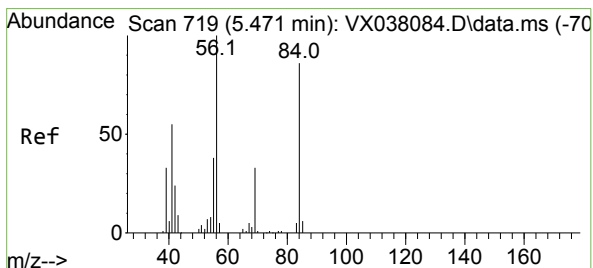
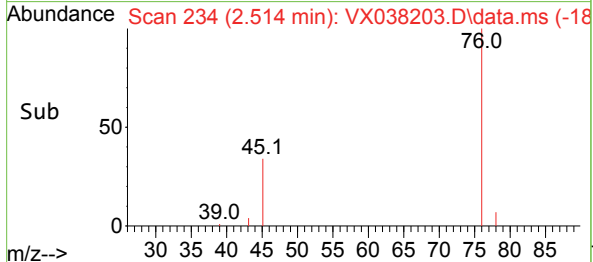
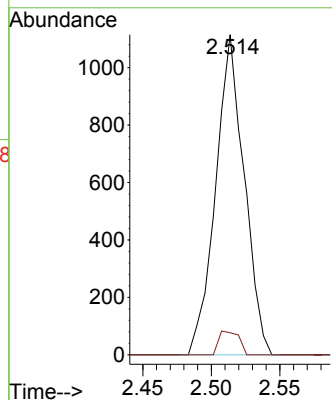
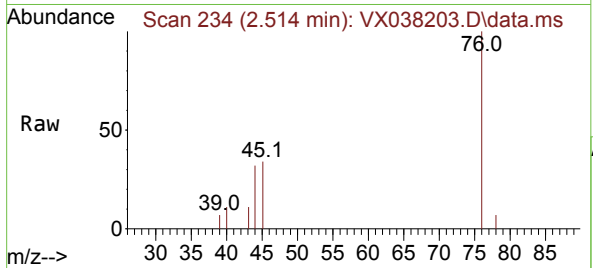




#17
Carbon Disulfide
Concen: 0.606 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

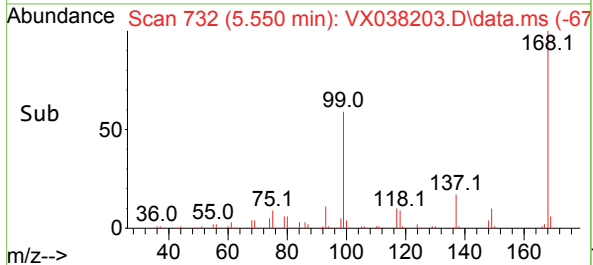
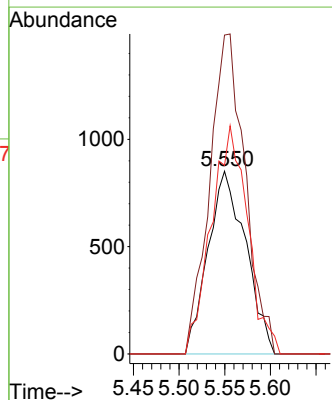
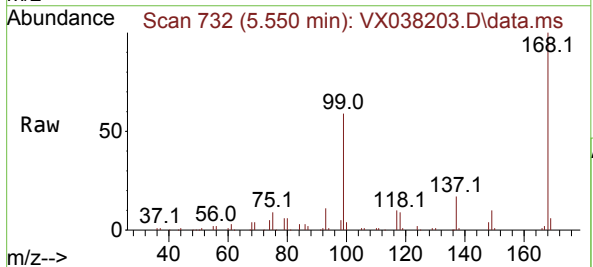
Instrument :
MSVOA_X
ClientSampleId :
GW-4-37-40

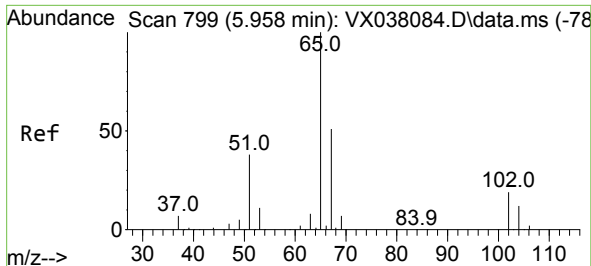
Tgt Ion: 76 Resp: 1618
Ion Ratio Lower Upper
76 100
78 6.9 7.0 10.6#



#31
Cyclohexane
Concen: 1.383 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

Tgt Ion: 56 Resp: 2438
Ion Ratio Lower Upper
56 100
69 174.6 23.4 35.2#
84 103.3 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.294 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038203.D

Acq: 10 Oct 2023 15:56

Instrument :

MSVOA_X

ClientSampleId :

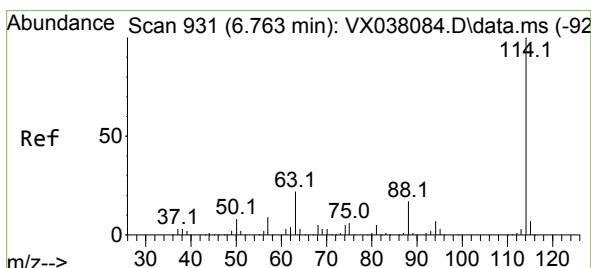
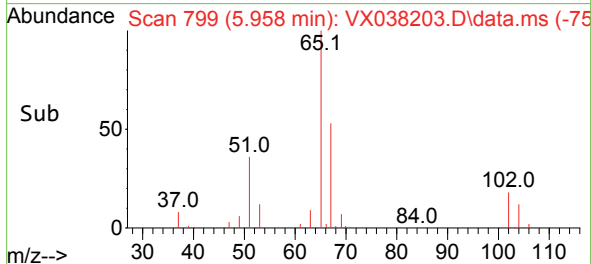
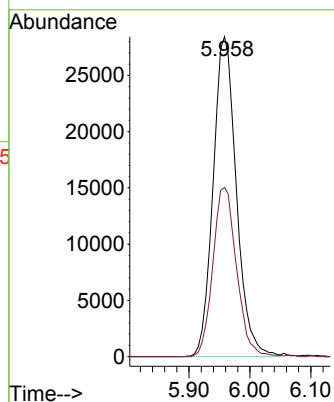
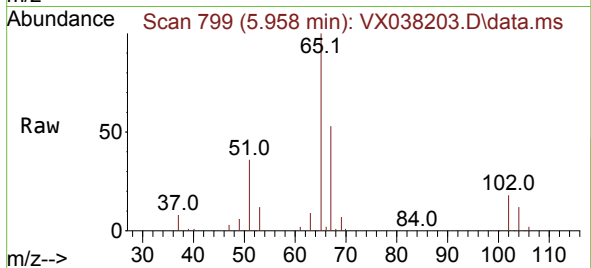
GW-4-37-40

Tgt Ion: 65 Resp: 75333

Ion Ratio Lower Upper

65 100

67 53.8 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: VX038203.D

Acq: 10 Oct 2023 15:56

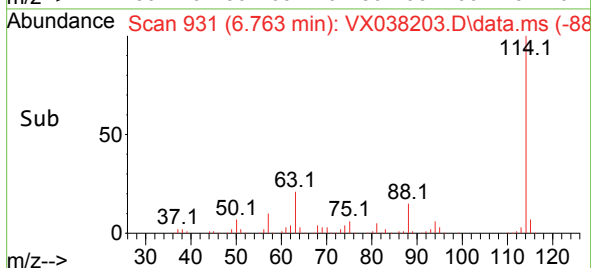
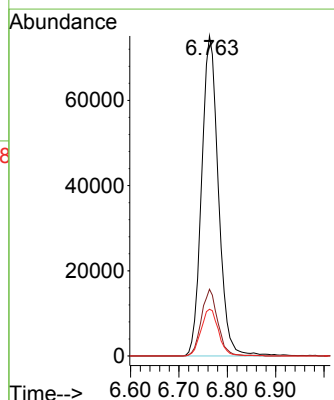
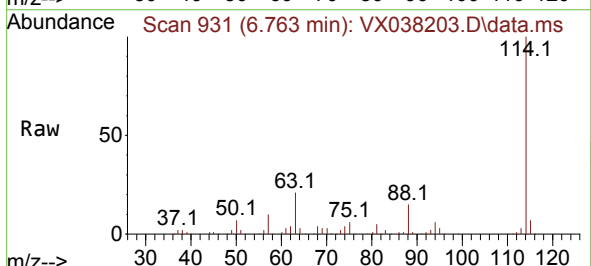
Tgt Ion: 114 Resp: 180943

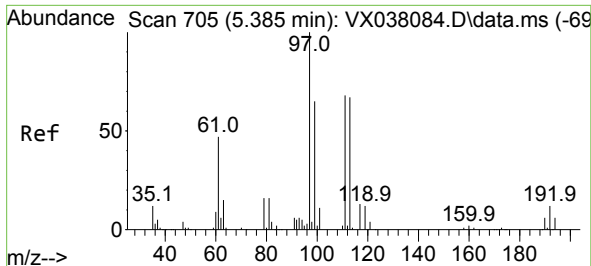
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

88 14.6 0.0 36.6

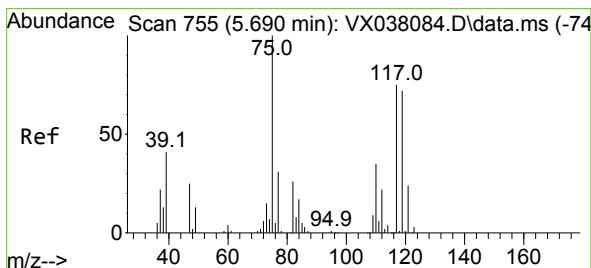
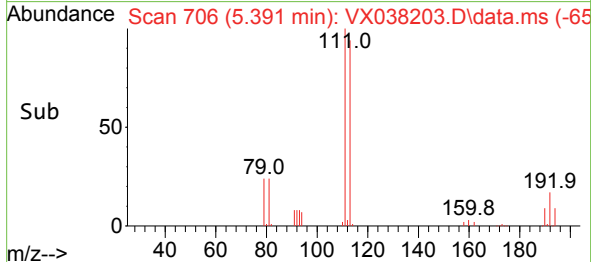
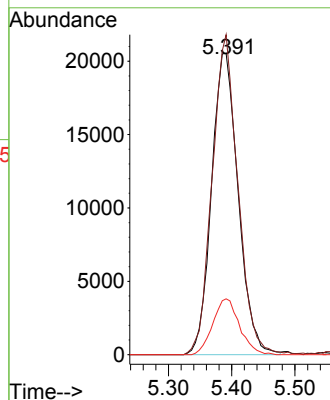
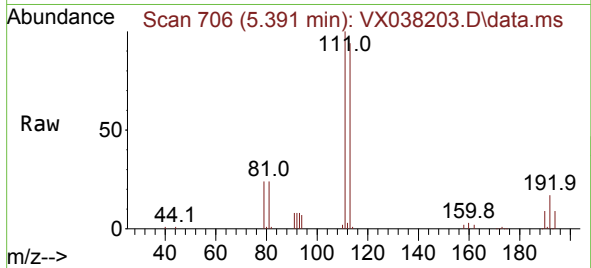




#35
Dibromofluoromethane
Concen: 46.126 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

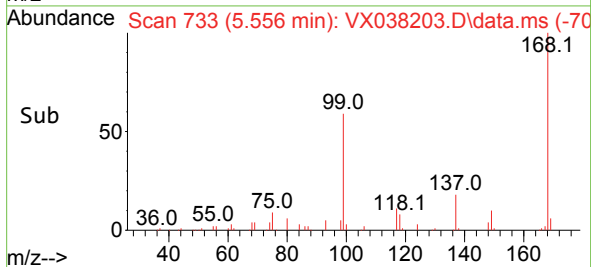
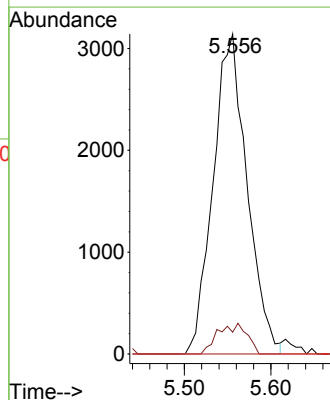
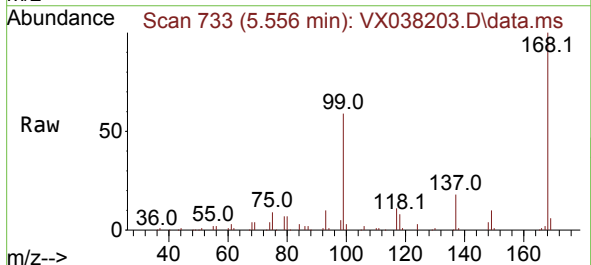
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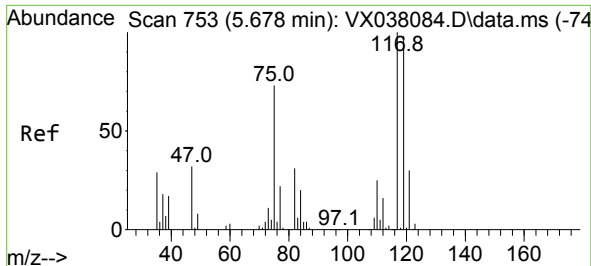
Tgt Ion:113 Resp: 60140
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

Tgt Ion: 75 Resp: 8544
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 24.7 37.1#

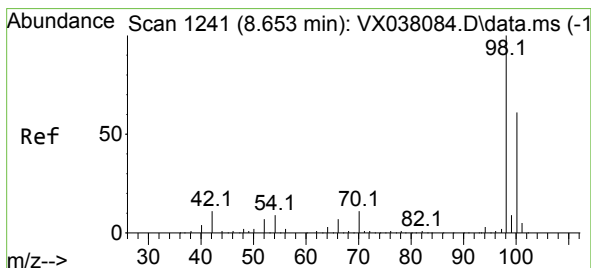
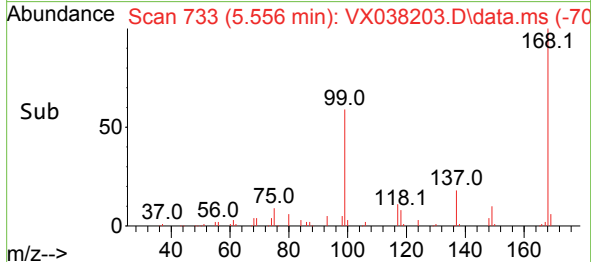
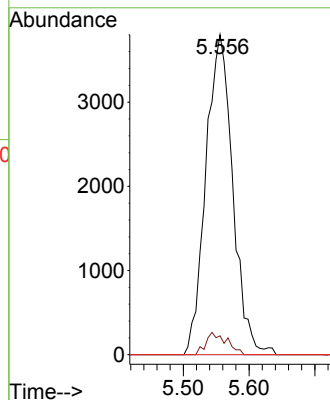
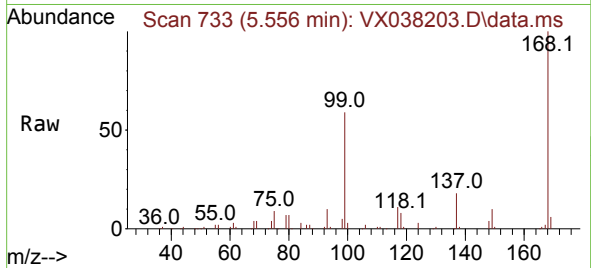




#38
Carbon Tetrachloride
Concen: 6.111 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

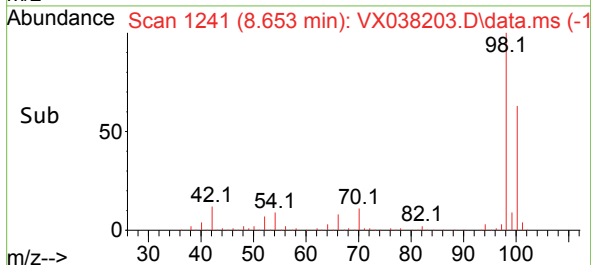
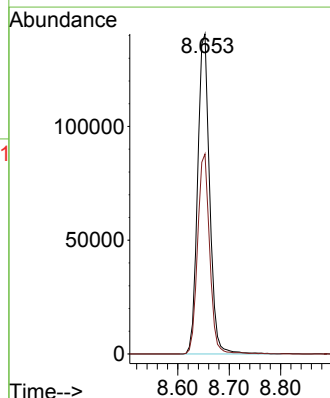
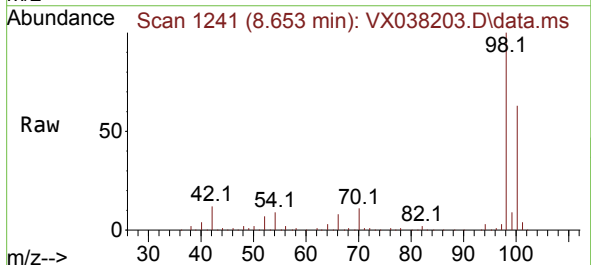
Instrument :
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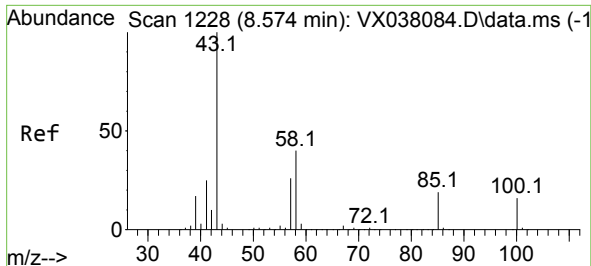
Tgt Ion:117 Resp: 10809
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.774 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

Tgt Ion: 98 Resp: 228055
Ion Ratio Lower Upper
98 100
100 62.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.453 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX038203.D

Acq: 10 Oct 2023 15:56

Instrument :

MSVOA_X

ClientSampleId :

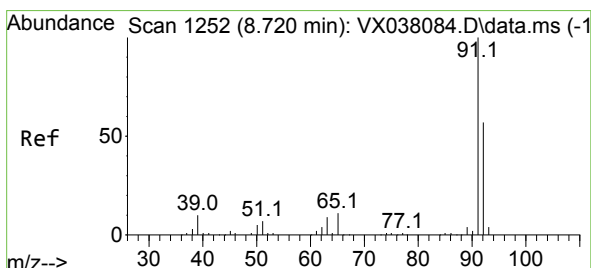
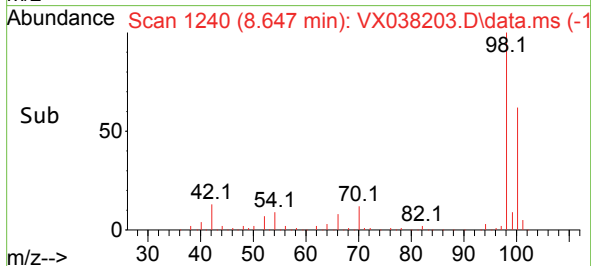
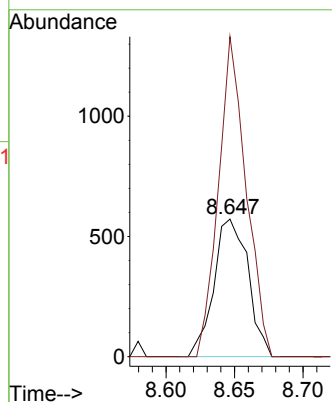
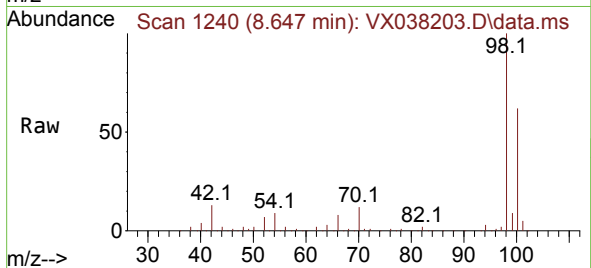
GW-4-37-40

Tgt Ion: 43 Resp: 995

Ion Ratio Lower Upper

43 100

58 188.1 30.4 45.6#



#52

Toluene

Concen: 0.473 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX038203.D

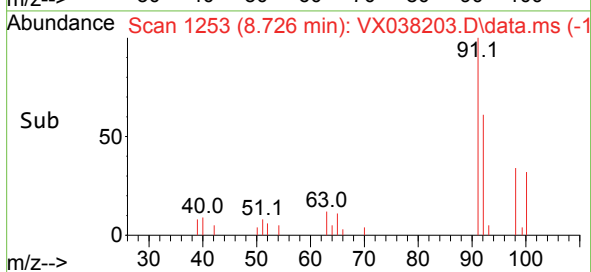
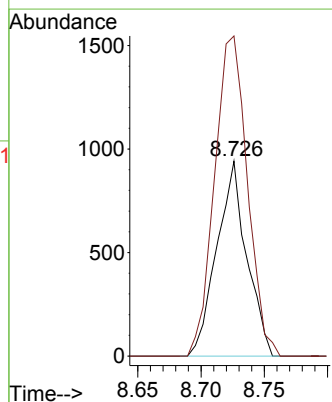
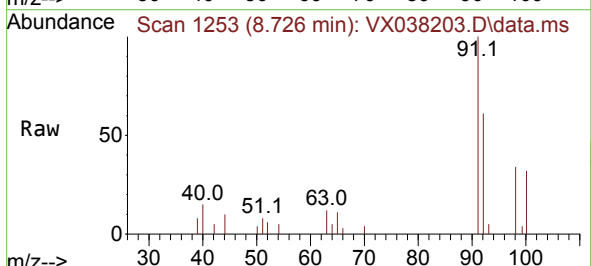
Acq: 10 Oct 2023 15:56

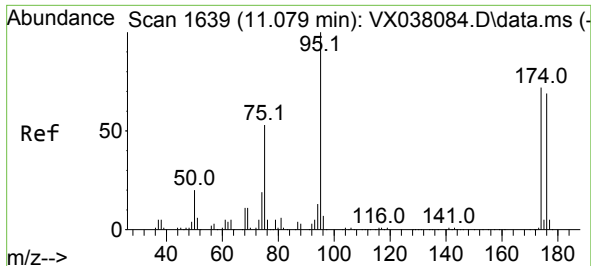
Tgt Ion: 92 Resp: 1548

Ion Ratio Lower Upper

92 100

91 180.2 134.2 201.2

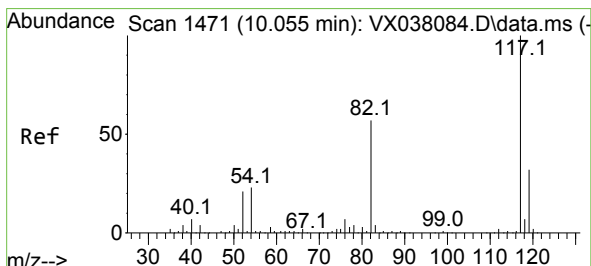
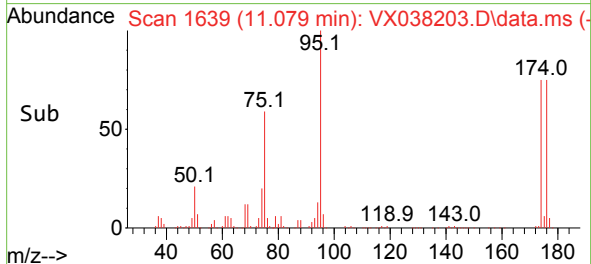
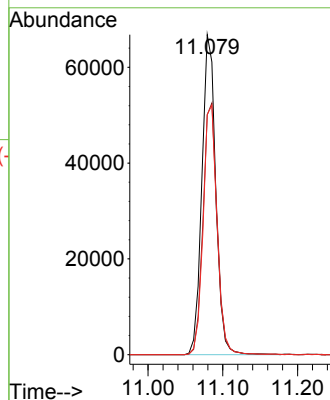
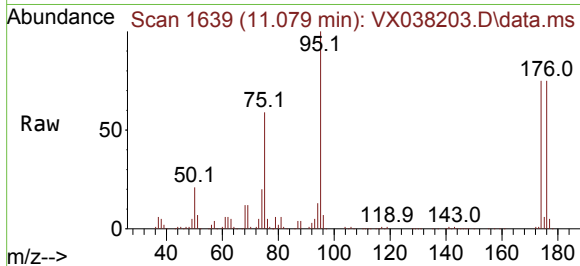




#62
4-Bromofluorobenzene
Concen: 45.478 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

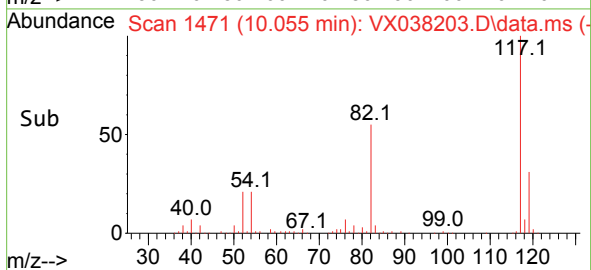
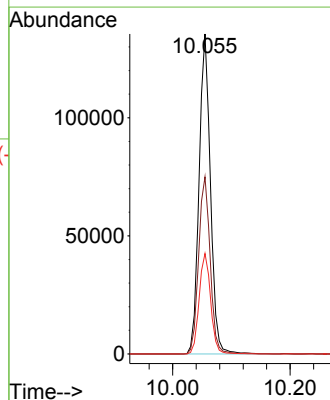
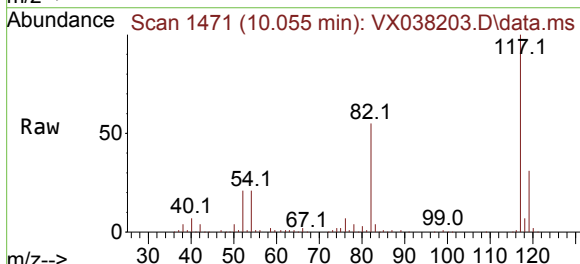
Instrument :
MSVOA_X
ClientSampleId :
GW-4-37-40

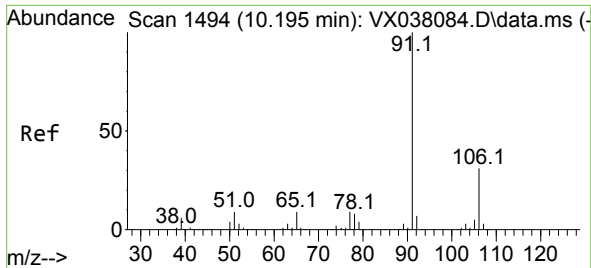
Tgt Ion: 95 Resp: 85899
Ion Ratio Lower Upper
95 100
174 80.2 0.0 135.6
176 78.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

Tgt Ion: 117 Resp: 182257
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 31.4 25.5 38.3

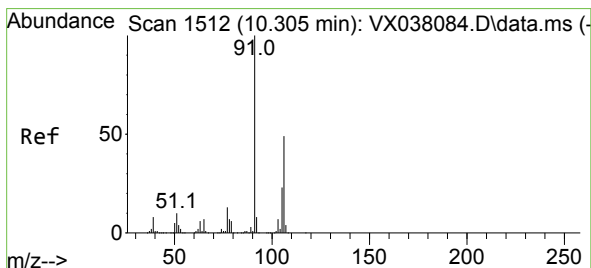
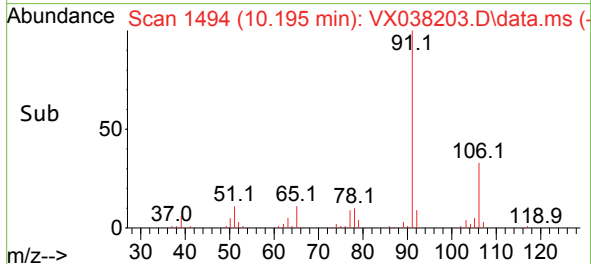
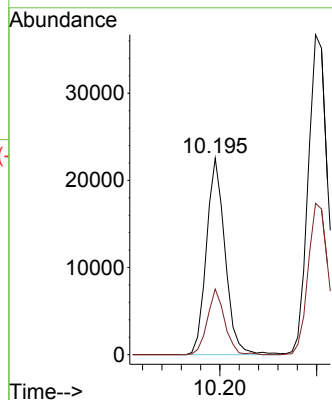
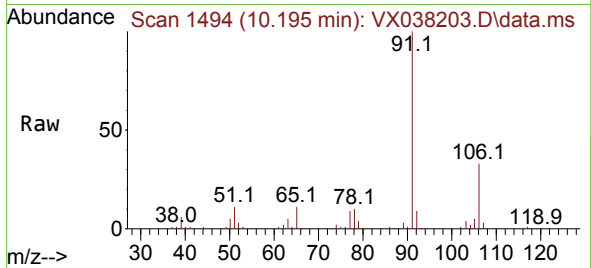




#67
Ethyl Benzene
Concen: 4.451 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

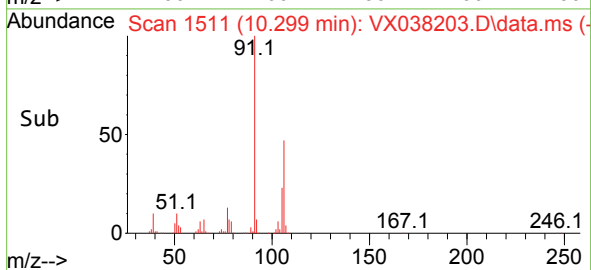
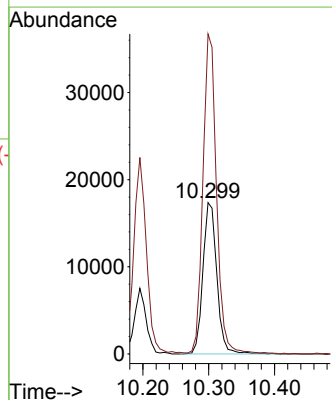
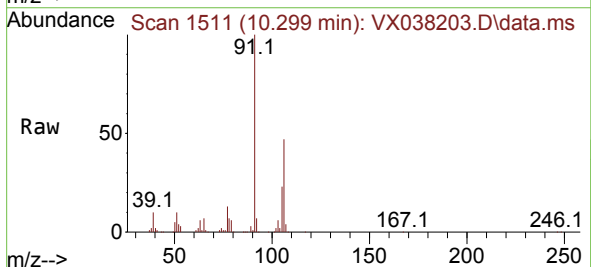
Instrument :
MSVOA_X
ClientSampleId :
GW-4-37-40

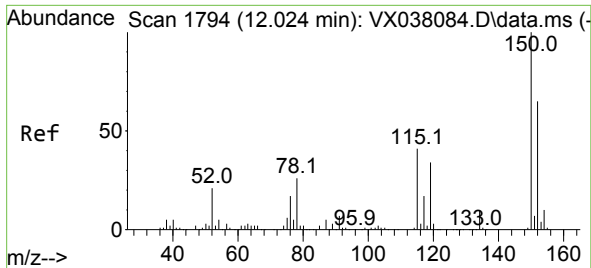
Tgt Ion: 91 Resp: 30301
Ion Ratio Lower Upper
91 100
106 33.4 24.9 37.3



#68
m/p-Xylenes
Concen: 9.704 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038203.D
Acq: 10 Oct 2023 15:56

Tgt Ion: 106 Resp: 25543
Ion Ratio Lower Upper
106 100
91 207.2 165.5 248.3

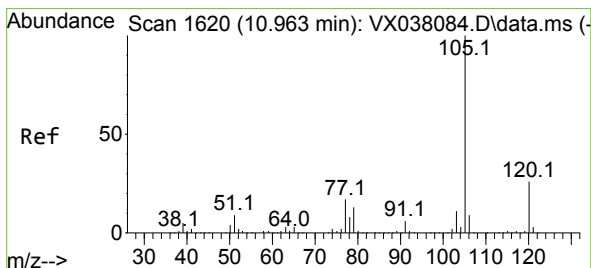
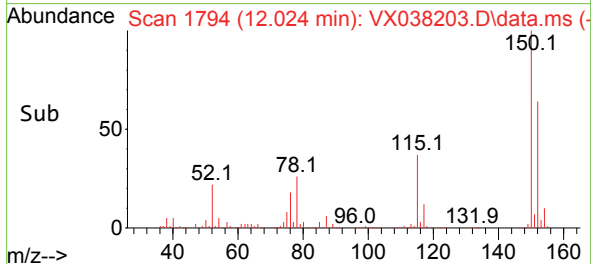
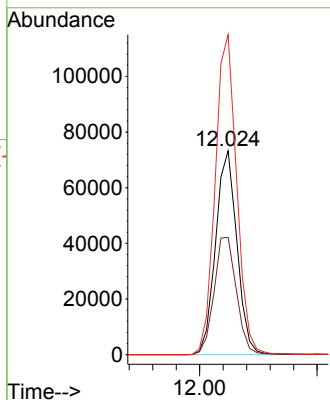
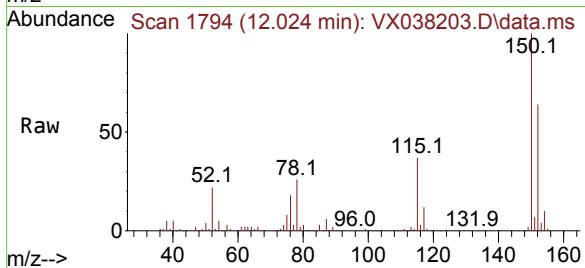




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038203.D
 Acq: 10 Oct 2023 15:56

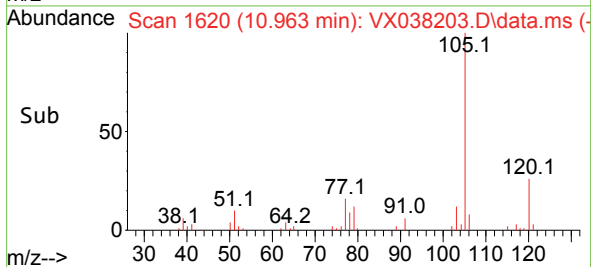
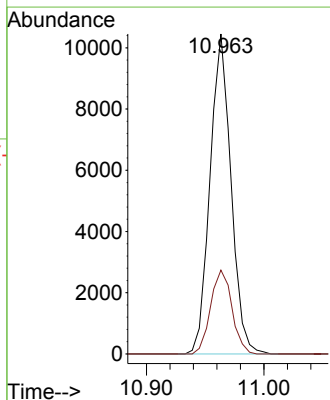
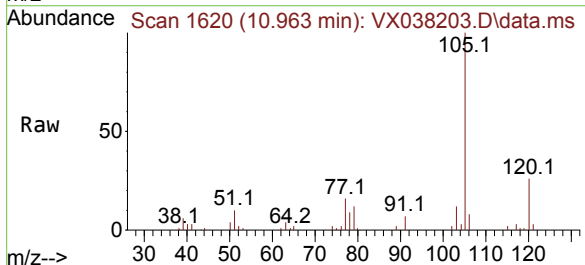
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4-37-40

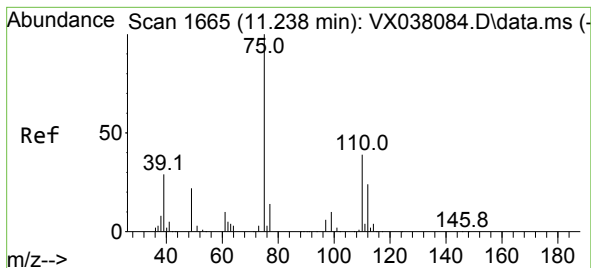
Tgt Ion:152 Resp: 92526
 Ion Ratio Lower Upper
 152 100
 115 60.3 43.3 129.9
 150 158.6 0.0 345.0



#73
 Isopropylbenzene
 Concen: 2.084 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX038203.D
 Acq: 10 Oct 2023 15:56

Tgt Ion:105 Resp: 12934
 Ion Ratio Lower Upper
 105 100
 120 26.6 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 23.040 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038203.D

Acq: 10 Oct 2023 15:56

Instrument :

MSVOA_X

ClientSampleId :

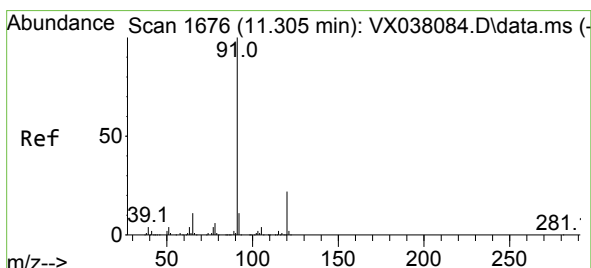
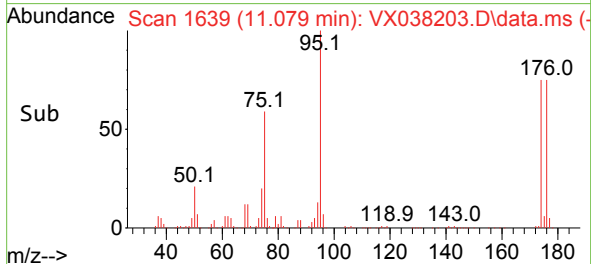
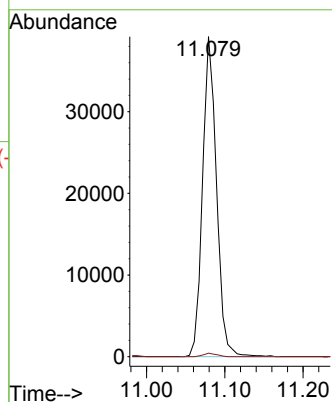
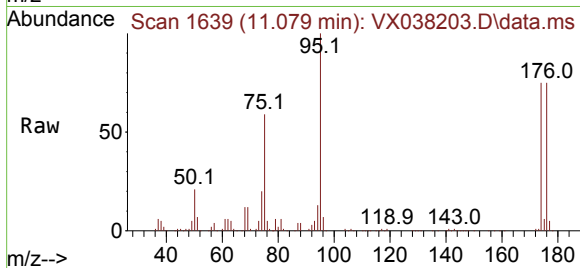
GW-4-37-40

Tgt Ion: 75 Resp: 48464

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 0.391 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX038203.D

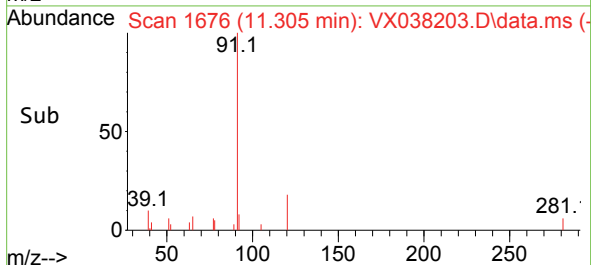
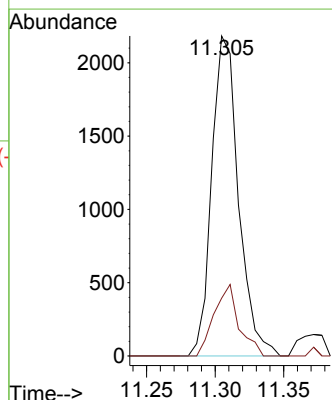
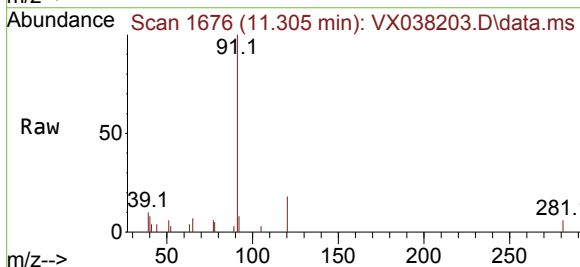
Acq: 10 Oct 2023 15:56

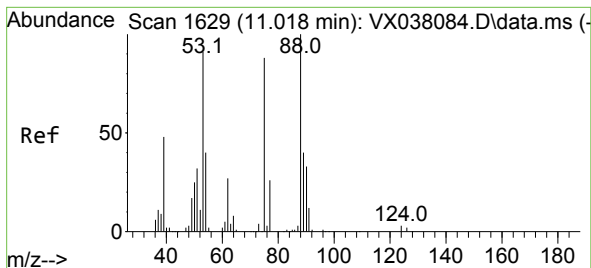
Tgt Ion: 91 Resp: 2964

Ion Ratio Lower Upper

91 100

120 20.7 11.5 34.4

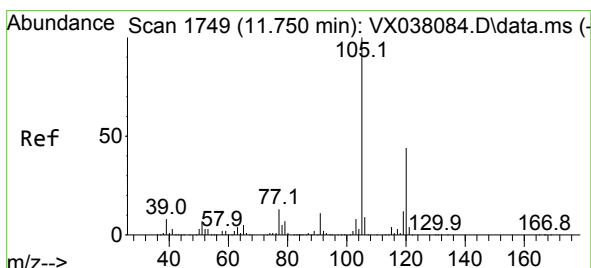
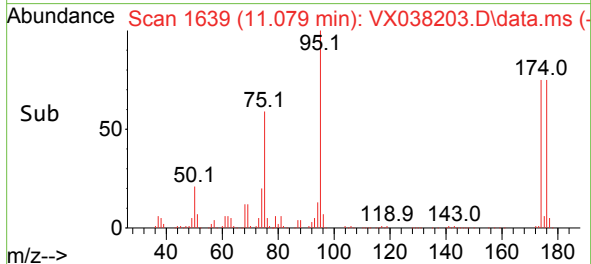
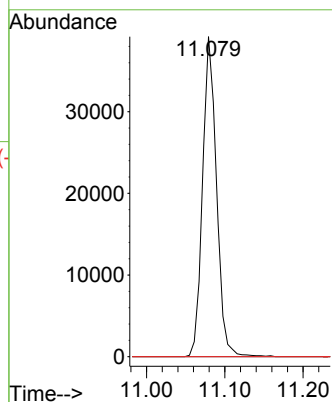
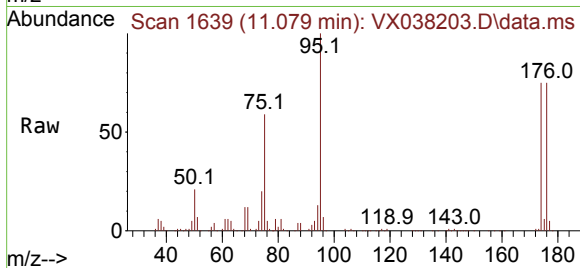




#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.882 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038203.D
 Acq: 10 Oct 2023 15:56

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-4-37-40

Tgt Ion: 75 Resp: 48464
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.386 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX038203.D
 Acq: 10 Oct 2023 15:56

Tgt Ion: 105 Resp: 2060
 Ion Ratio Lower Upper
 105 100
 120 41.8 21.2 63.6

