

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020224\
 Data File : VX040080.D
 Acq On : 02 Feb 2024 12:35
 Operator : JC/MD
 Sample : P1342-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MR-317AP-GW-20240131-0

Quant Time: Feb 03 02:14:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

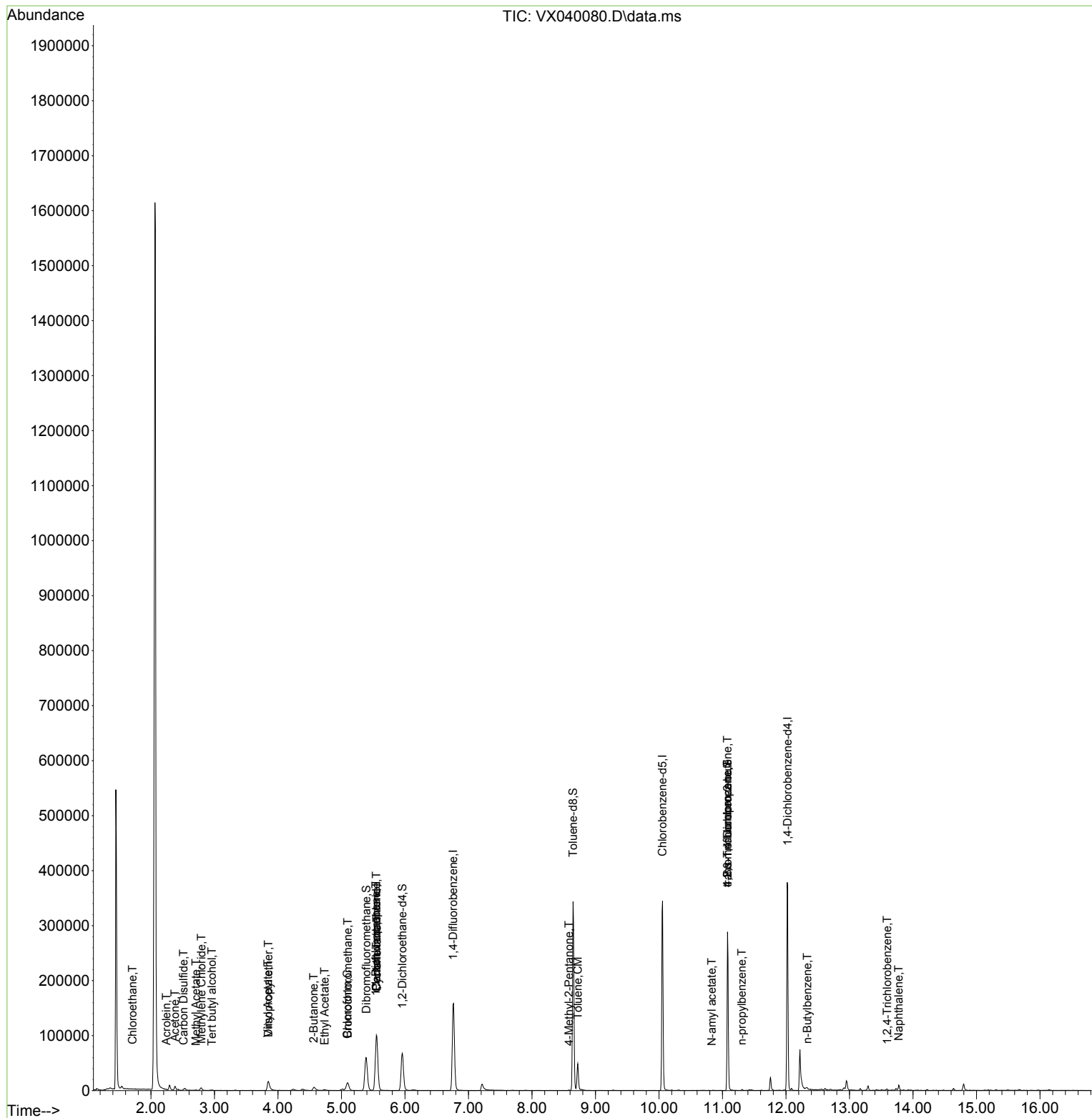
Internal Standards						
1) Pentafluorobenzene	5.550	168	89359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	152147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65570	45.594	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.180%		
35) Dibromofluoromethane	5.391	113	52243	48.054	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.100%		
50) Toluene-d8	8.647	98	193476	47.587	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.180%		
62) 4-Bromofluorobenzene	11.079	95	74408	47.530	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.060%		
Target Compounds					Qvalue	
6) Chloroethane	1.709	64	408	0.700	ug/l #	43
11) Tert butyl alcohol	2.959	59	911	3.491	ug/l #	78
13) Acrolein	2.240	56	378	1.512	ug/l	89
16) Acetone	2.380	43	7717	11.452	ug/l	99
17) Carbon Disulfide	2.514	76	2122	0.722	ug/l #	76
18) Methyl Acetate	2.709	43	880	0.551	ug/l	92
20) Methylene Chloride	2.794	84	2436	2.034	ug/l	88
22) Diisopropyl ether	3.849	45	1173	0.334	ug/l #	1
23) Vinyl Acetate	3.843	43	3110	0.990	ug/l #	73
25) 2-Butanone	4.562	43	10673	11.394	ug/l #	89
28) Bromochloromethane	5.099	49	1605	1.713	ug/l #	16
30) Chloroform	5.093	83	16206	7.509	ug/l	99
31) Cyclohexane	5.556	56	2525	1.402	ug/l #	6
36) 1,1-Dichloropropene	5.544	75	7888	5.017	ug/l #	52
37) Ethyl Acetate	4.733	43	2814	1.639	ug/l #	91
38) Carbon Tetrachloride	5.550	117	10118	6.725	ug/l #	14
51) 4-Methyl-2-Pentanone	8.580	43	644	0.348	ug/l #	76
52) Toluene	8.720	92	17461	6.117	ug/l	99
74) N-amyl acetate	10.829	43	19	0.206	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	41378	26.682	ug/l #	38
78) n-propylbenzene	11.305	91	1395	0.217	ug/l	86
81) trans-1,4-Dichloro-2-b...	11.079	75	41378	78.054	ug/l #	5
89) n-Butylbenzene	12.335	91	1127	0.250	ug/l #	70
93) 1,2,4-Trichlorobenzene	13.591	180	452	0.308	ug/l	87
95) Naphthalene	13.774	128	5595	1.123	ug/l	99

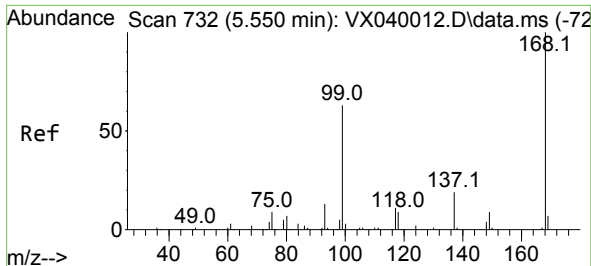
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020224\
Data File : VX040080.D
Acq On : 02 Feb 2024 12:35
Operator : JC/MD
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
MR-317AP-GW-20240131-0

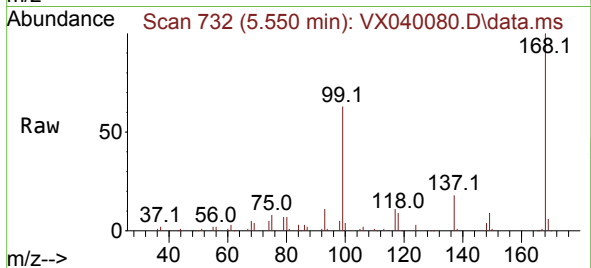
Quant Time: Feb 03 02:14:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration



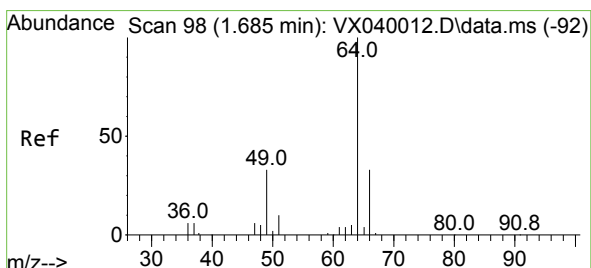
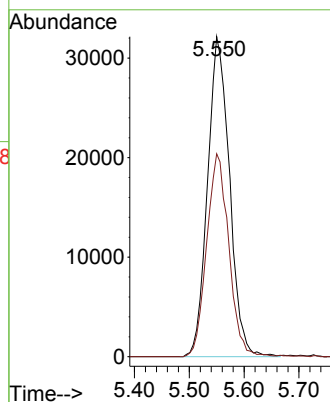
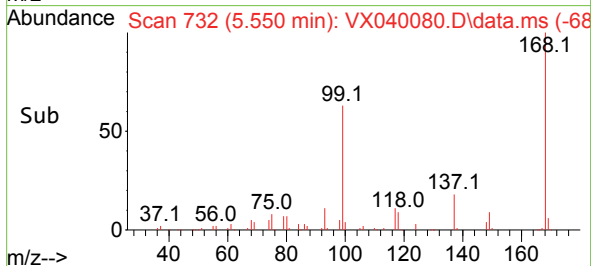


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Instrument :
MSVOA_X
ClientSampleId :
MR-317AP-GW-20240131-0

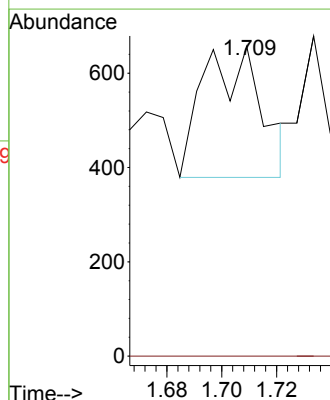
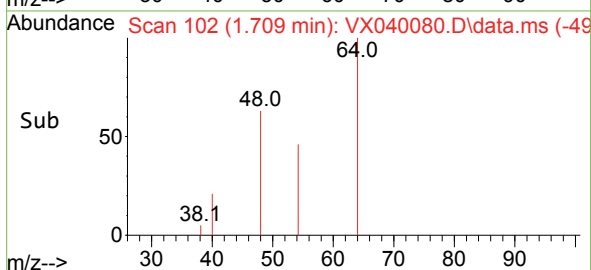
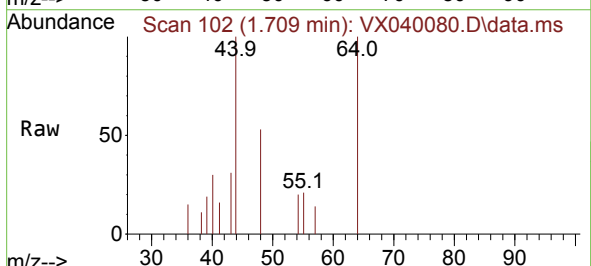


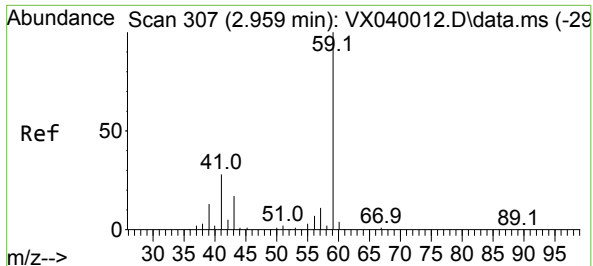
Tgt Ion:168 Resp: 89359
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0



#6
Chloroethane
Concen: 0.700 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.025 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 64 Resp: 408
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 3.491 ug/l

RT: 2.959 min Scan# 307

Delta R.T. 0.000 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

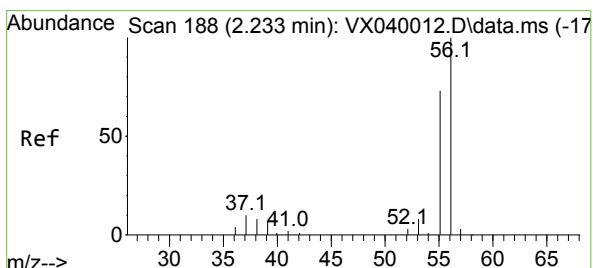
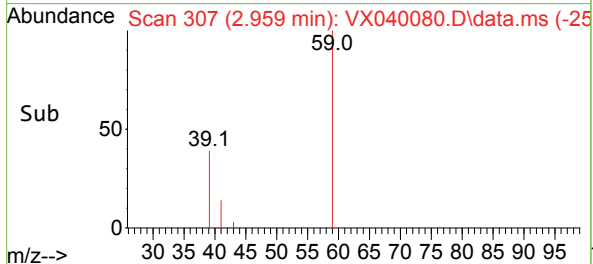
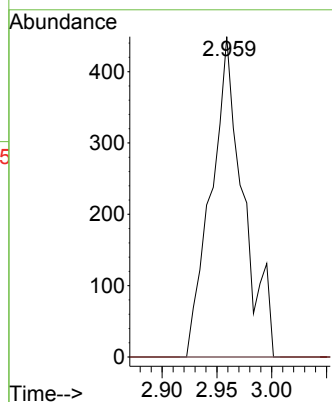
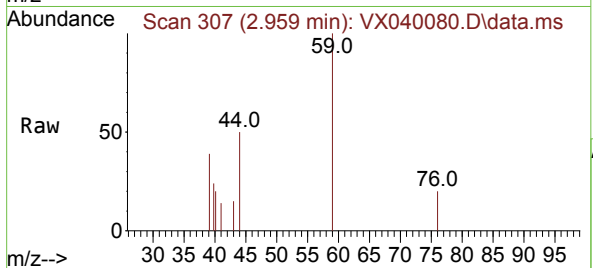
MR-317AP-GW-20240131-0

Tgt Ion: 59 Resp: 911

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 1.512 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX040080.D

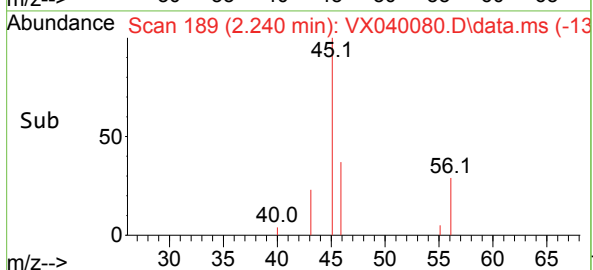
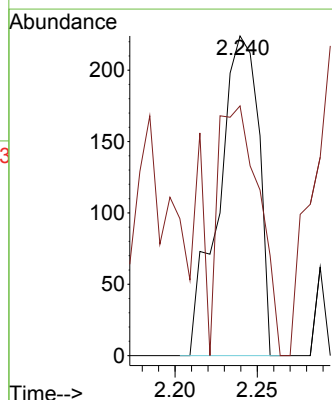
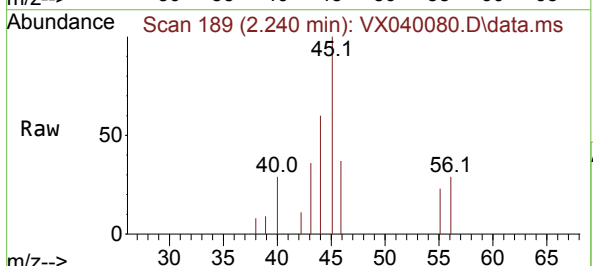
Acq: 02 Feb 2024 12:35

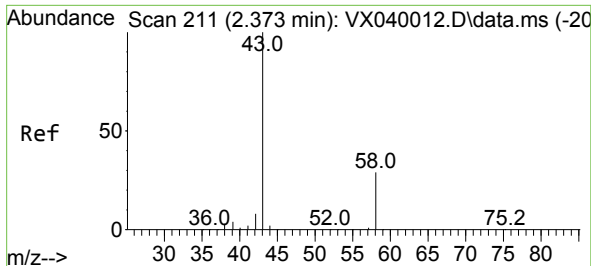
Tgt Ion: 56 Resp: 378

Ion Ratio Lower Upper

56 100

55 80.2 57.1 85.7





#16

Acetone

Concen: 11.452 ug/l

RT: 2.380 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

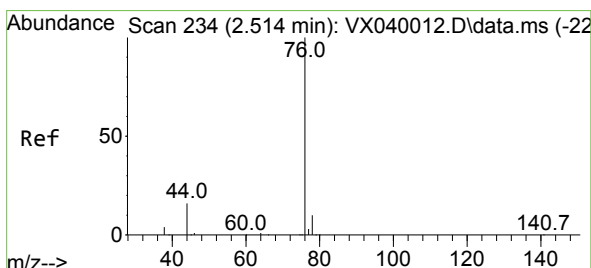
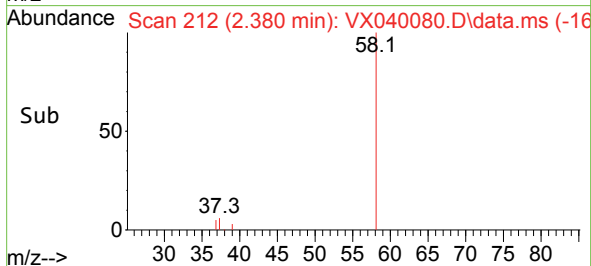
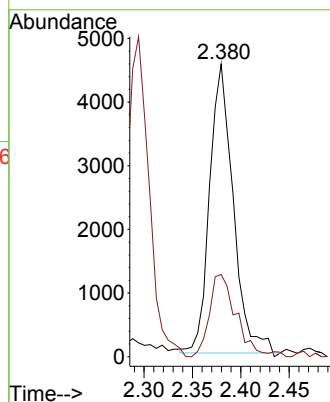
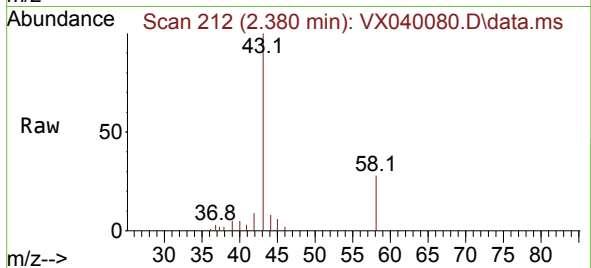
MR-317AP-GW-20240131-0

Tgt Ion: 43 Resp: 7717

Ion Ratio Lower Upper

43 100

58 26.9 21.9 32.9



#17

Carbon Disulfide

Concen: 0.722 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX040080.D

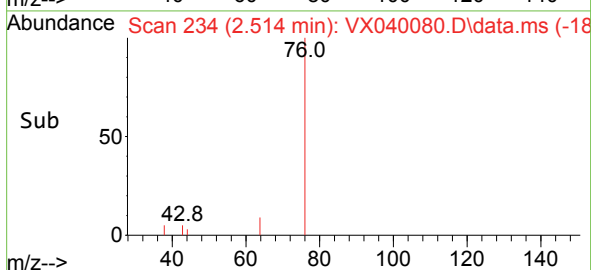
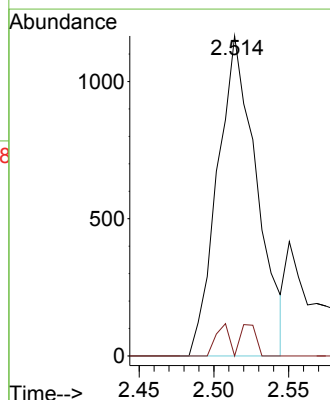
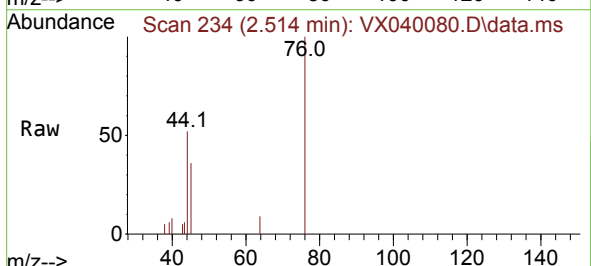
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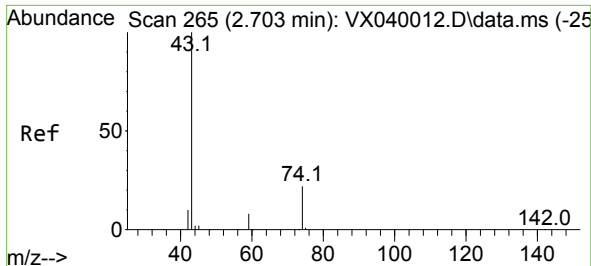
Tgt Ion: 76 Resp: 2122

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

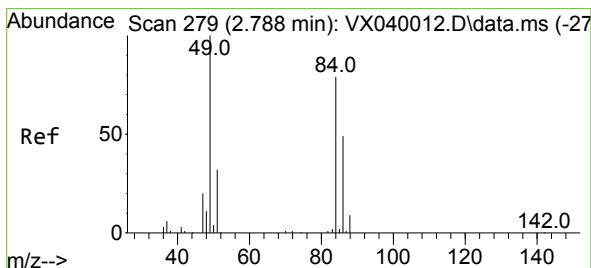
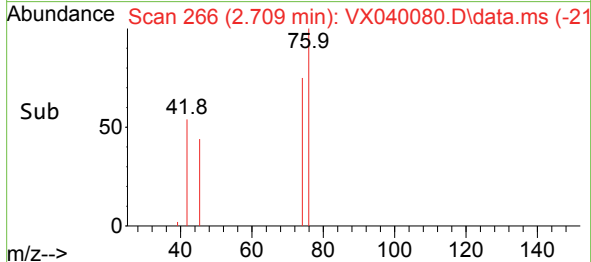
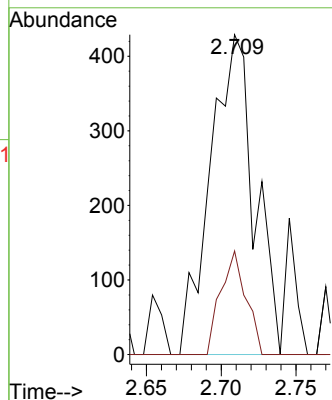
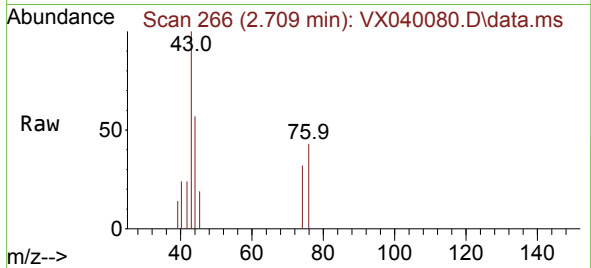




#18
Methyl Acetate
Concen: 0.551 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

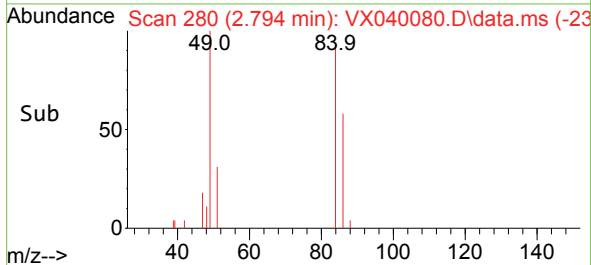
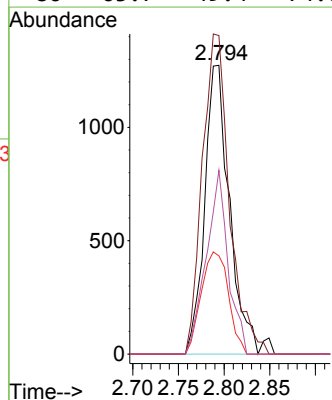
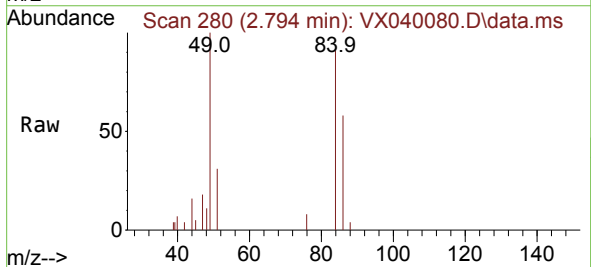
Instrument :
MSVOA_X
ClientSampleId :
MR-317AP-GW-20240131-0

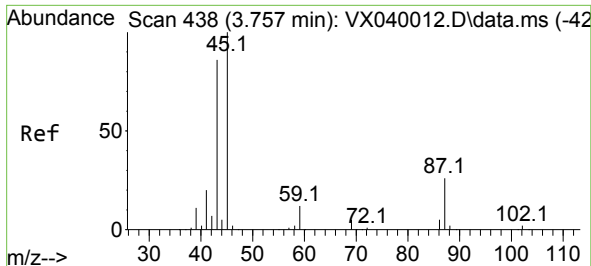
Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
74 18.6 17.8 26.8



#20
Methylene Chloride
Concen: 2.034 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 84 Resp: 2436
Ion Ratio Lower Upper
84 100
49 110.3 103.6 155.4
51 34.0 33.8 50.6
86 63.7 49.4 74.0

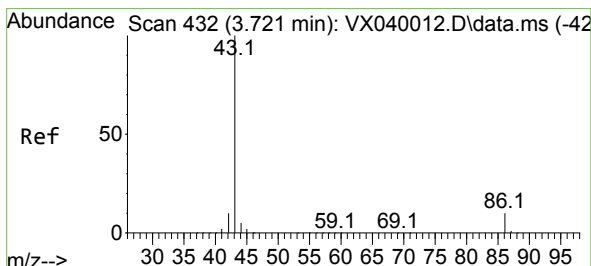
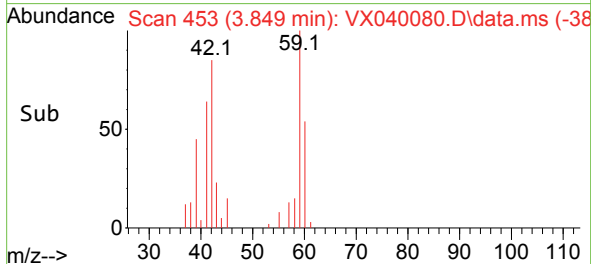
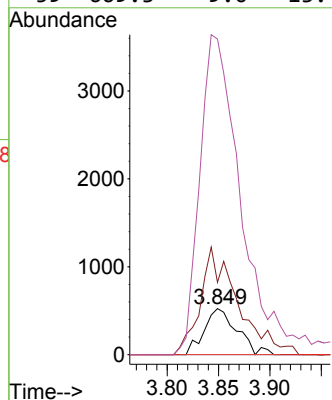
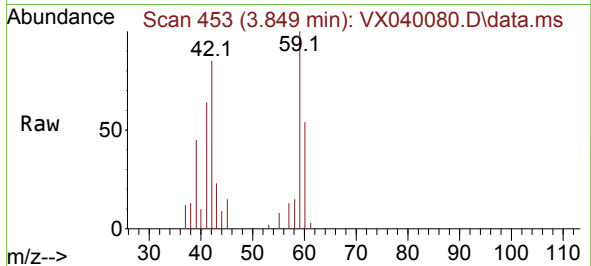




#22
Diisopropyl ether
Concen: 0.334 ug/l
RT: 3.849 min Scan# 411
Delta R.T. 0.092 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

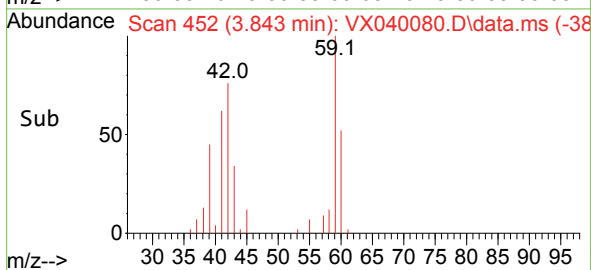
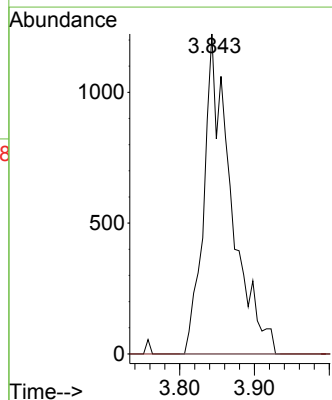
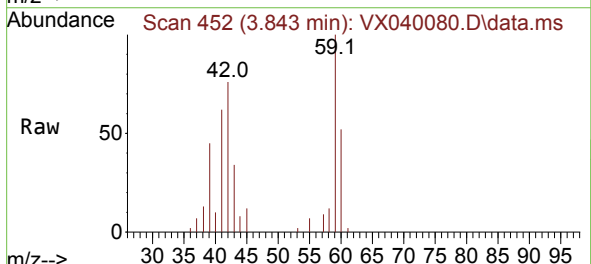
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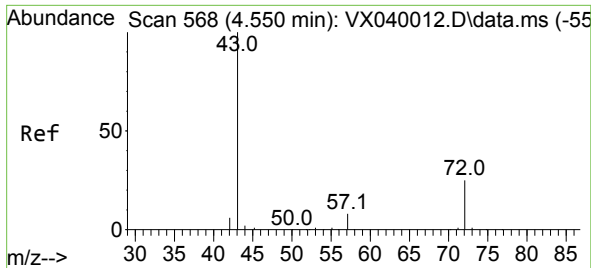
Tgt Ion: 45 Resp: 1173
Ion Ratio Lower Upper
45 100
43 140.4 69.7 104.5#
87 0.0 20.8 31.2#
59 669.3 9.0 13.4#



#23
Vinyl Acetate
Concen: 0.990 ug/l
RT: 3.843 min Scan# 452
Delta R.T. 0.122 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 43 Resp: 3110
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#

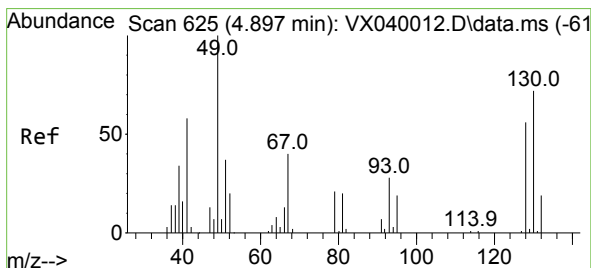
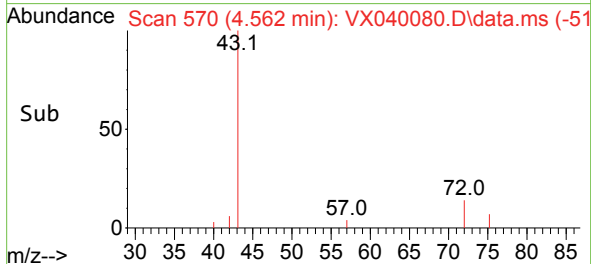
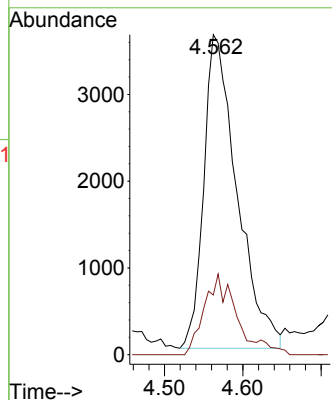
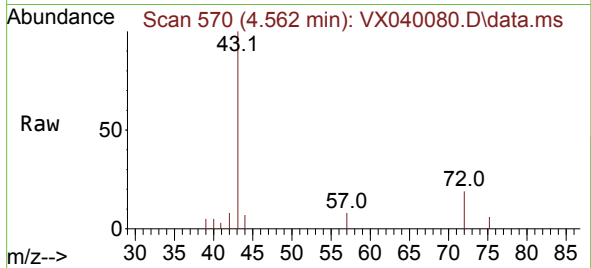




#25
2-Butanone
Concen: 11.394 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

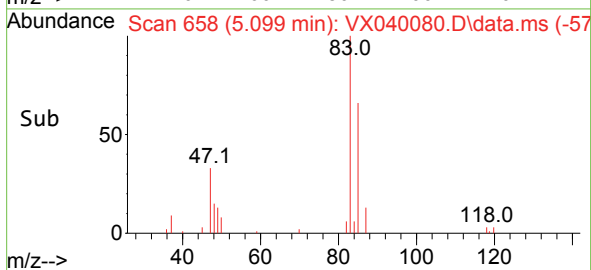
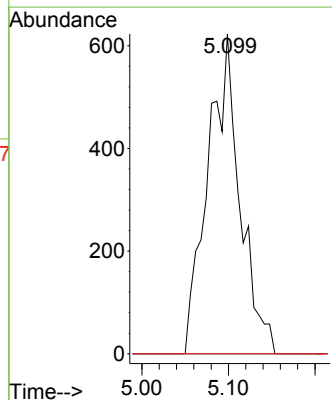
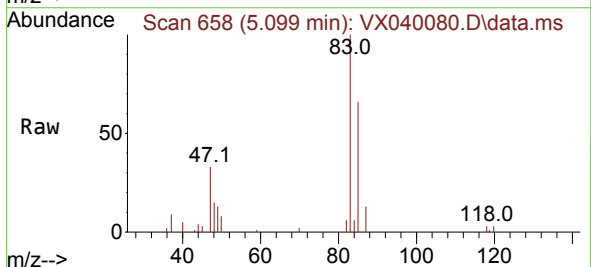
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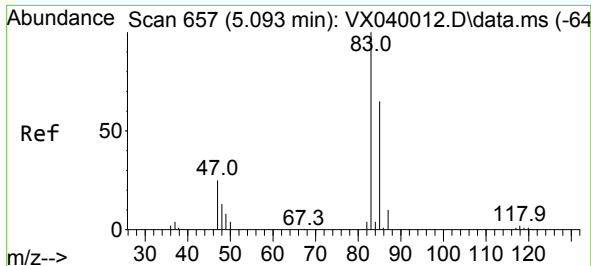
Tgt Ion: 43 Resp: 10673
Ion Ratio Lower Upper
43 100
72 19.0 19.4 29.2#



#28
Bromochloromethane
Concen: 1.713 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.201 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 49 Resp: 1605
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 57.5 86.3#

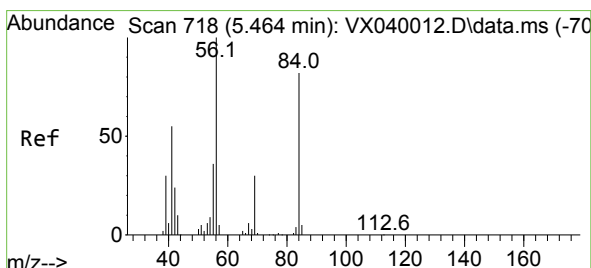
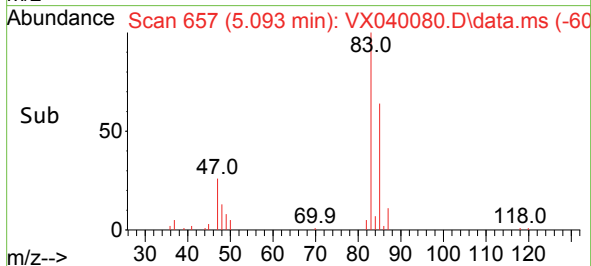
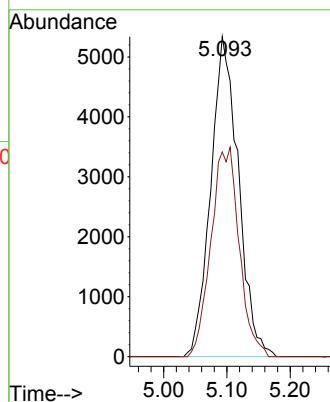
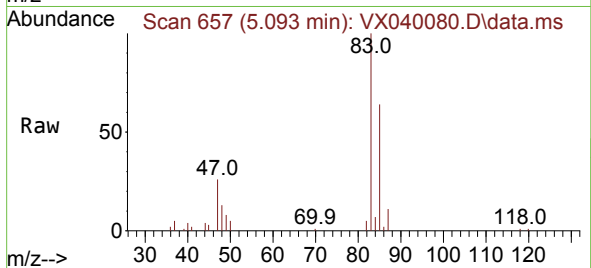




#30
Chloroform
Concen: 7.509 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

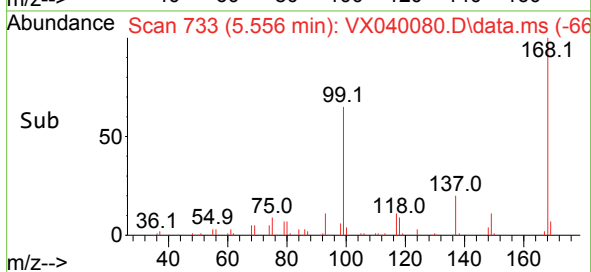
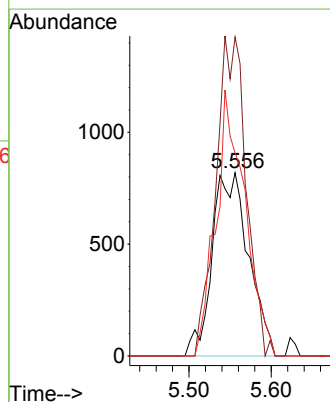
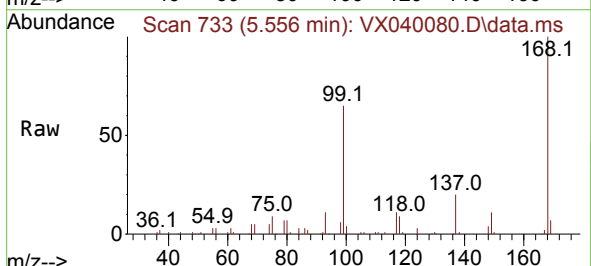
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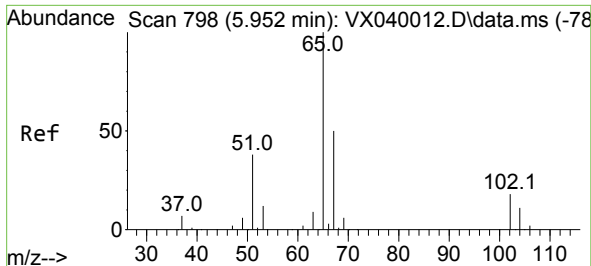
Tgt Ion: 83 Resp: 16206
Ion Ratio Lower Upper
83 100
85 64.0 50.3 75.5



#31
Cyclohexane
Concen: 1.402 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 56 Resp: 2525
Ion Ratio Lower Upper
56 100
69 174.1 23.4 35.2#
84 110.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.594 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

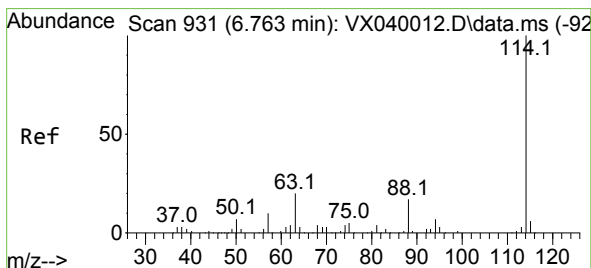
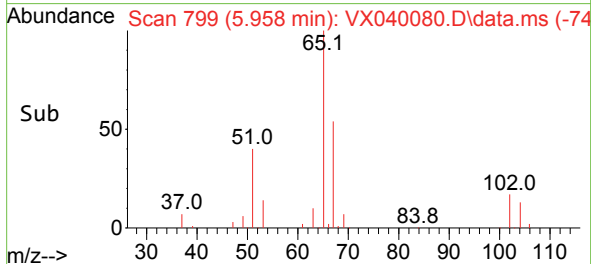
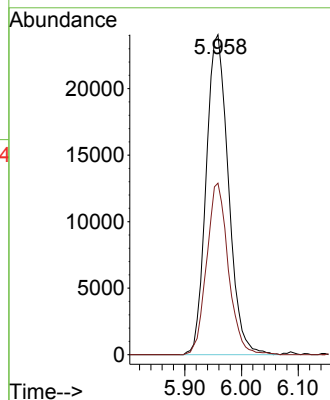
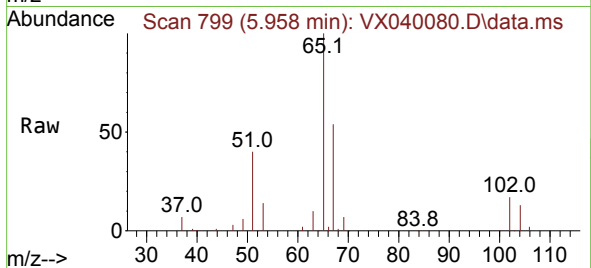
MR-317AP-GW-20240131-0

Tgt Ion: 65 Resp: 65570

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

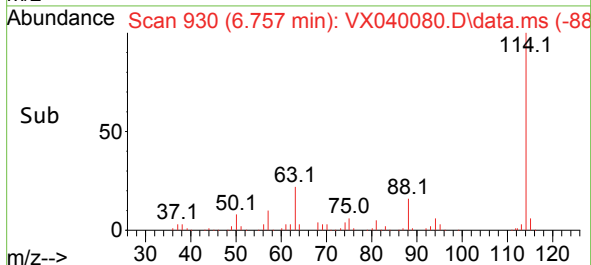
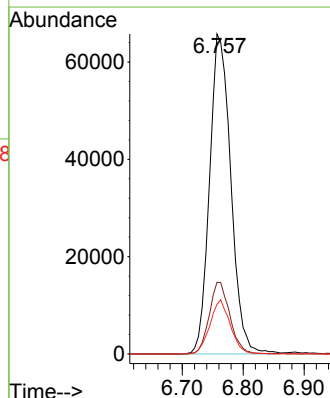
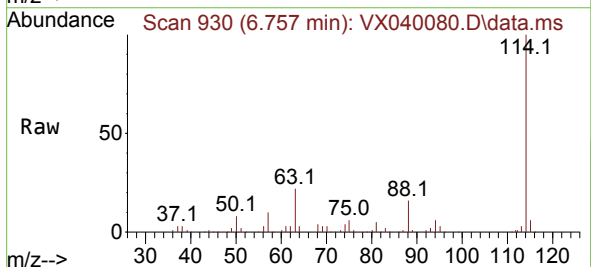
Tgt Ion: 114 Resp: 159705

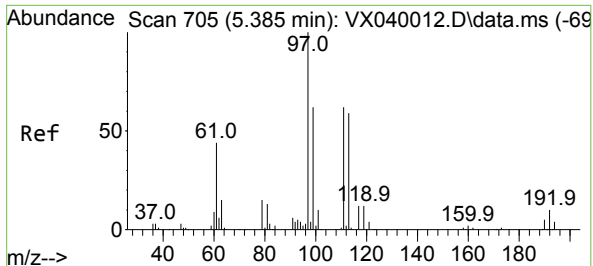
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 15.5 0.0 36.6

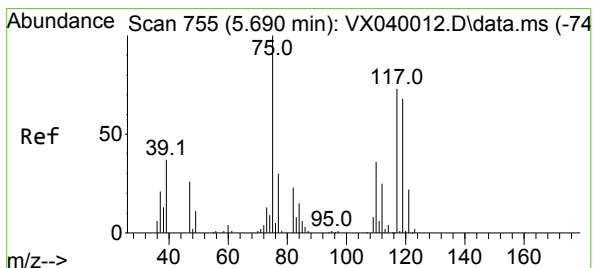
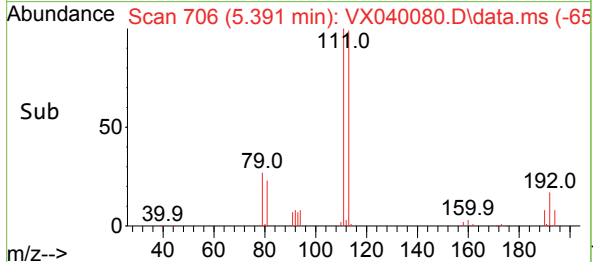
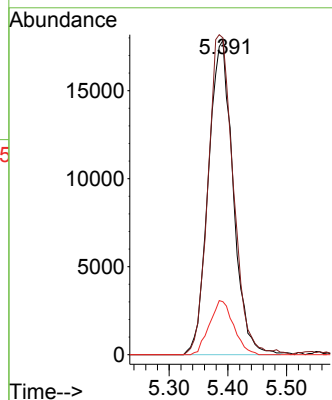
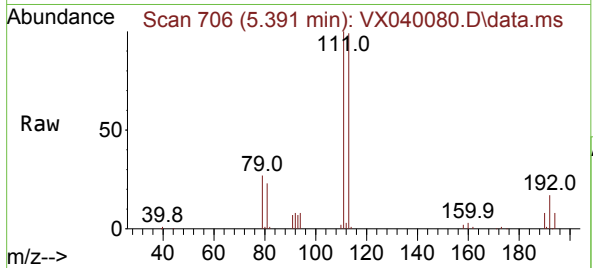




#35
Dibromofluoromethane
Concen: 48.054 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

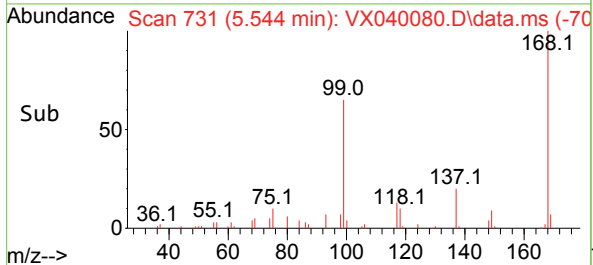
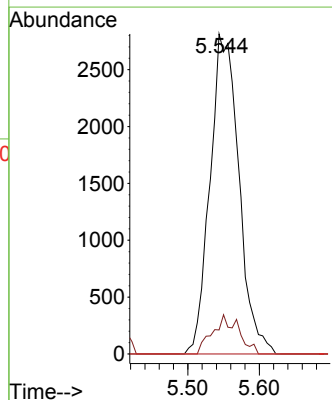
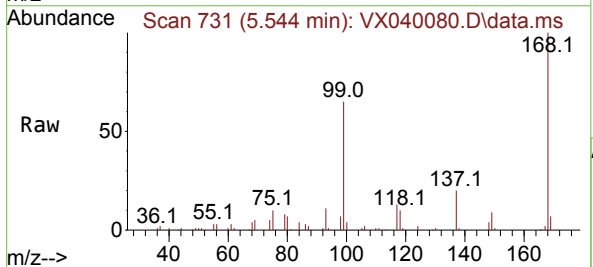
Instrument :
MSVOA_X
ClientSampleId :
MR-317AP-GW-20240131-0

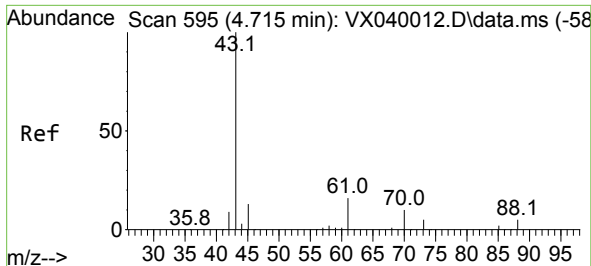
Tgt Ion:113 Resp: 52243
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.017 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 75 Resp: 7888
Ion Ratio Lower Upper
75 100
110 10.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.639 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX040080.D

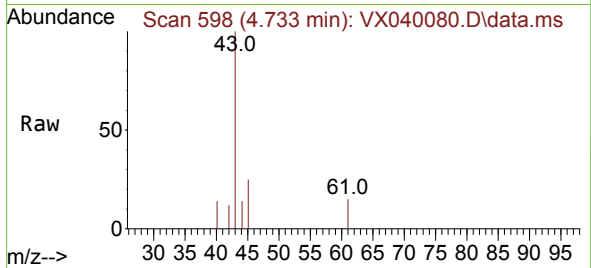
Acq: 02 Feb 2024 12:35

Instrument :

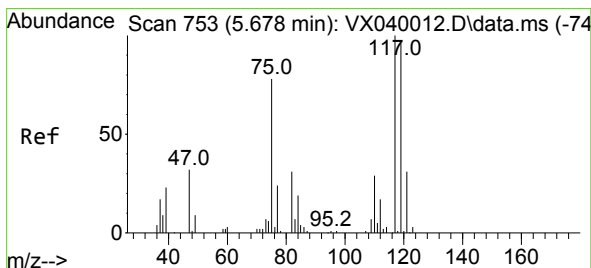
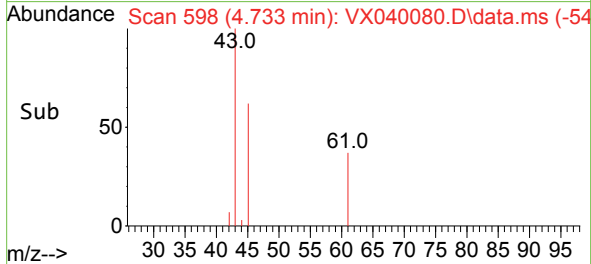
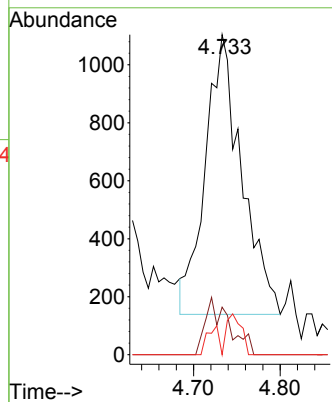
MSVOA_X

ClientSampleId :

MR-317AP-GW-20240131-0



Tgt Ion: 43	Resp: 2814
Ion Ratio	Lower Upper
43	100
61	13.4 10.6 16.0
70	3.2 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.725 ug/l

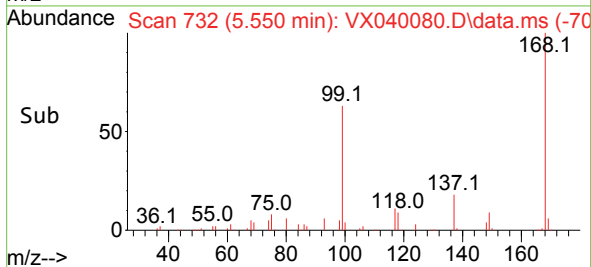
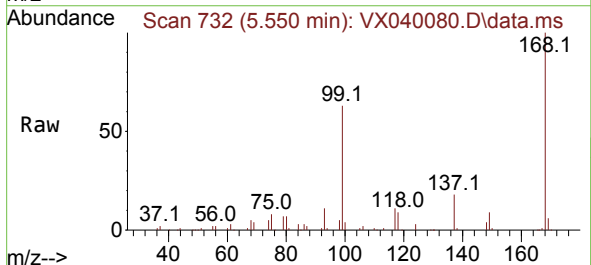
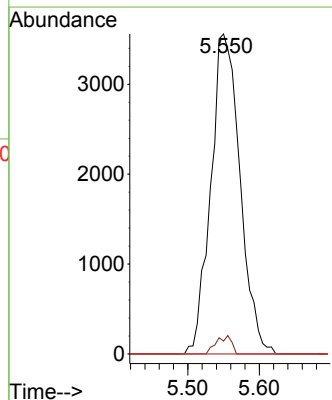
RT: 5.550 min Scan# 732

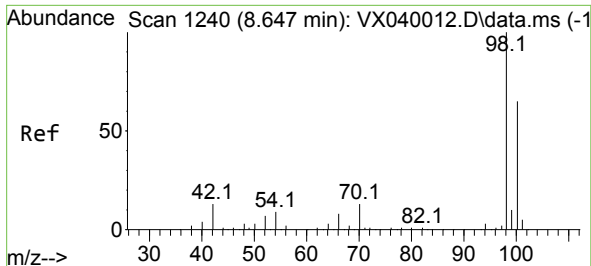
Delta R.T. -0.128 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

Tgt Ion: 117	Resp: 10118
Ion Ratio	Lower Upper
117	100
119	4.0 78.2 117.2#
121	0.0 24.4 36.6#

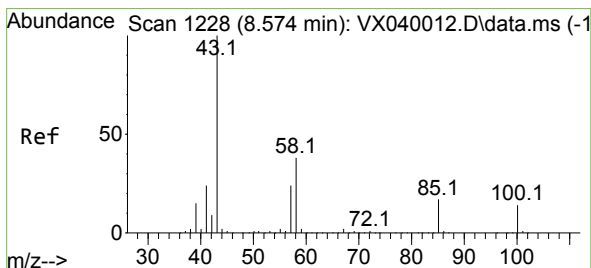
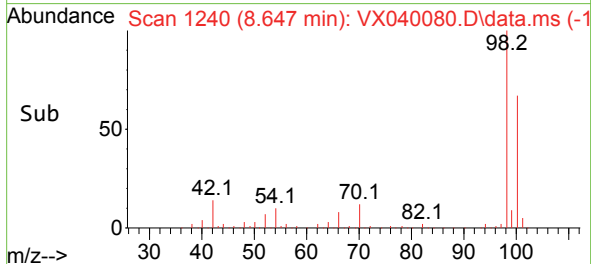
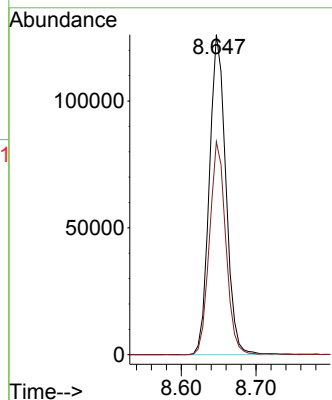
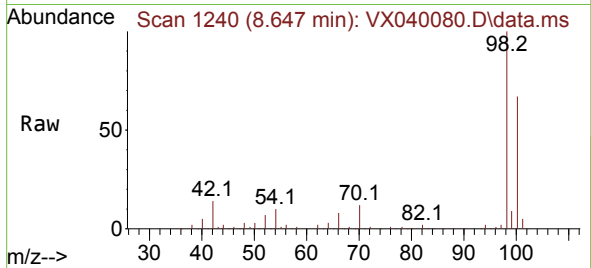




#50
Toluene-d8
Concen: 47.587 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

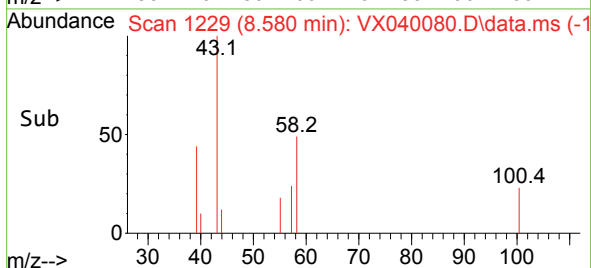
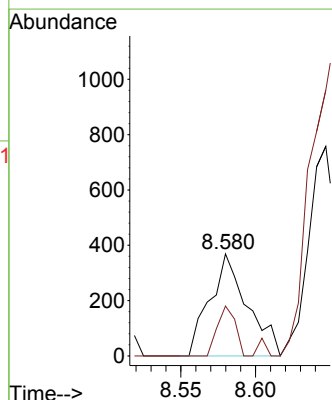
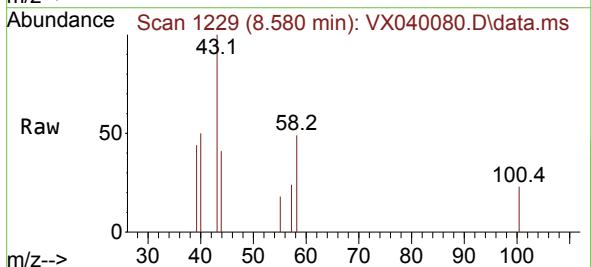
Instrument :
MSVOA_X
ClientSampleId :
MR-317AP-GW-20240131-0

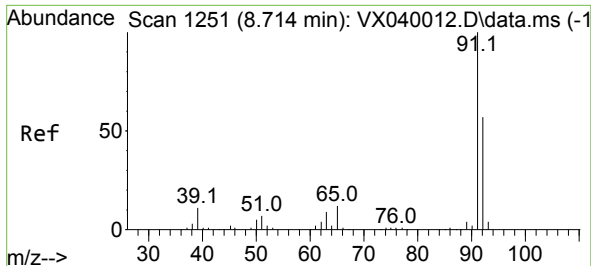
Tgt Ion: 98 Resp: 193476
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.348 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
58 23.3 30.4 45.6#

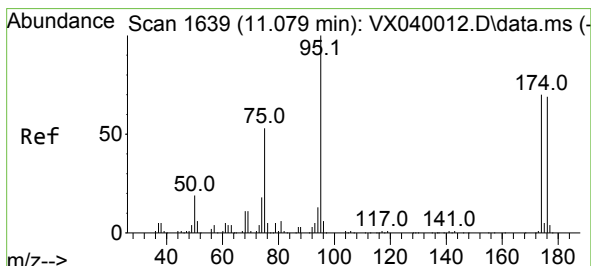
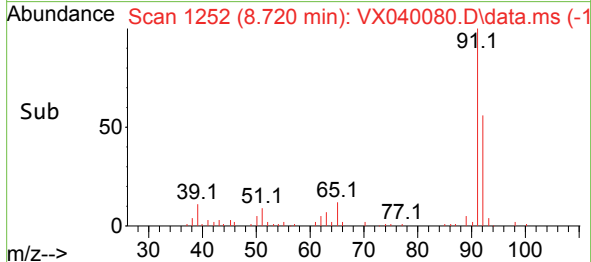
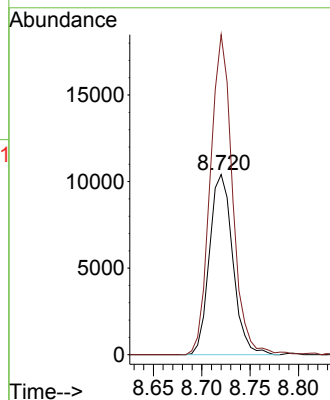
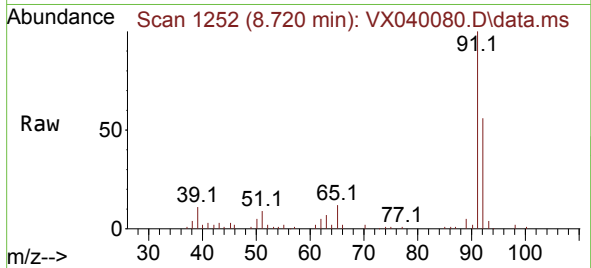




#52
Toluene
Concen: 6.117 ug/l
RT: 8.720 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

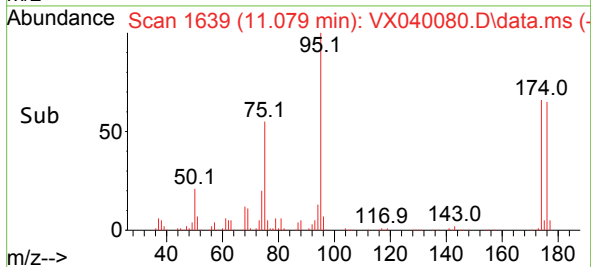
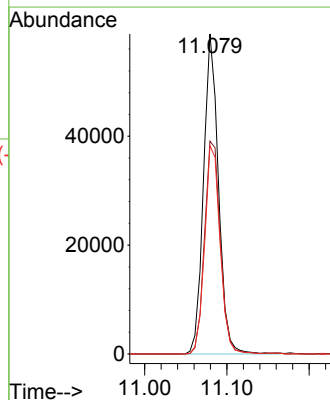
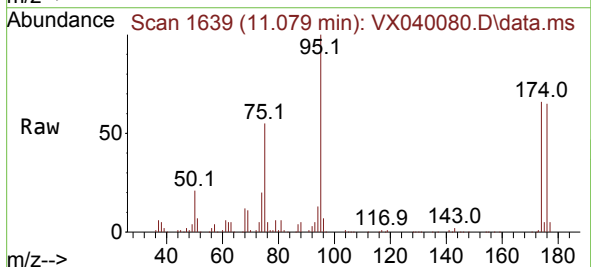
Instrument :
MSVOA_X
ClientSampleId :
MR-317AP-GW-20240131-0

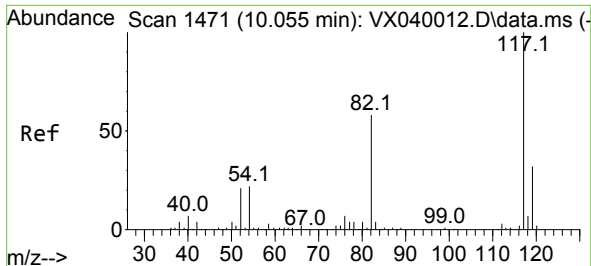
Tgt Ion: 92 Resp: 17461
Ion Ratio Lower Upper
92 100
91 169.5 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 47.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion: 95 Resp: 74408
Ion Ratio Lower Upper
95 100
174 70.5 0.0 135.6
176 67.1 0.0 131.0

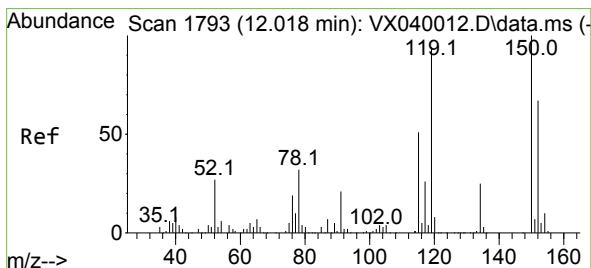
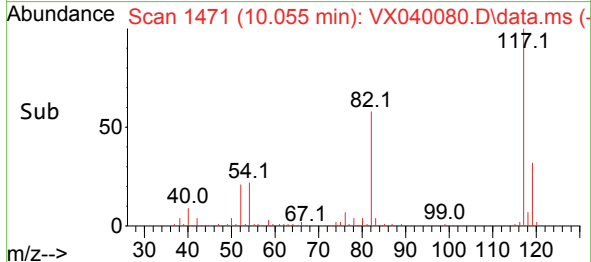
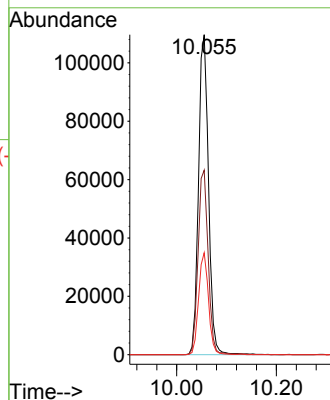
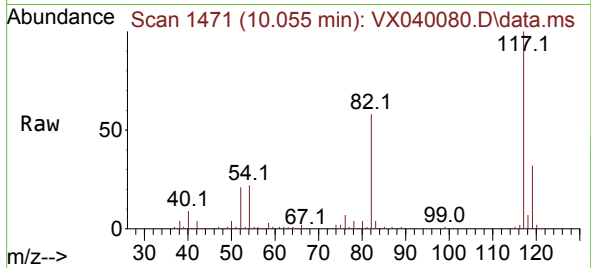




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

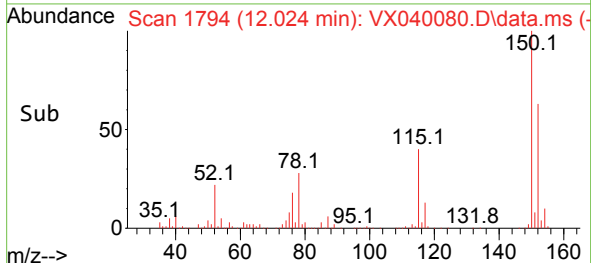
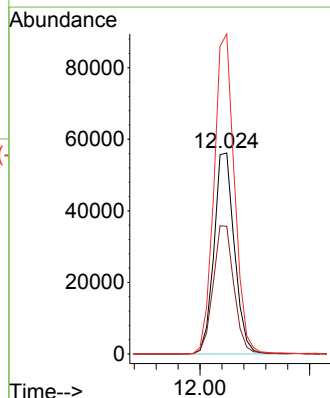
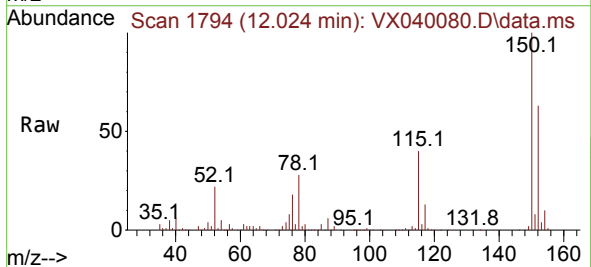
Instrument :
MSVOA_X
ClientSampleId :
MR-317AP-GW-20240131-0

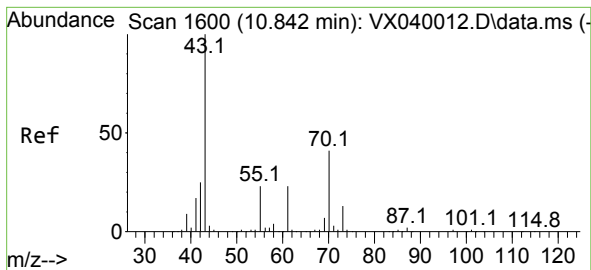
Tgt Ion:117 Resp: 152147
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.4
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040080.D
Acq: 02 Feb 2024 12:35

Tgt Ion:152 Resp: 72824
Ion Ratio Lower Upper
152 100
115 64.8 43.3 129.9
150 159.5 0.0 345.0





#74

N-amy1 acetate

Concen: 0.206 ug/l

RT: 10.829 min Scan# 1

Delta R.T. -0.013 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MR-317AP-GW-20240131-0

Tgt Ion: 43 Resp: 19

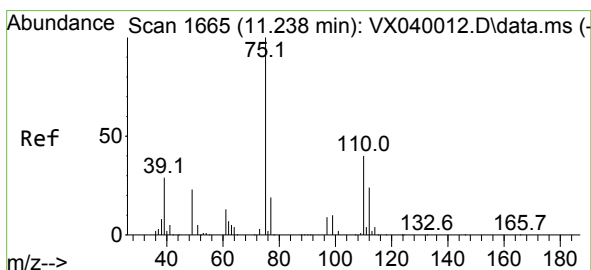
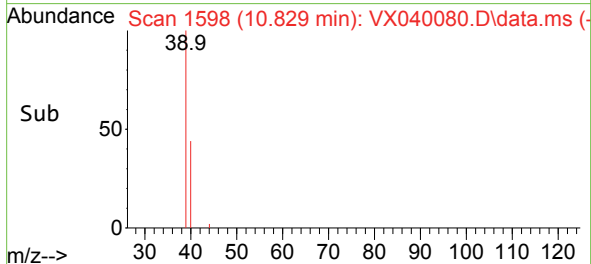
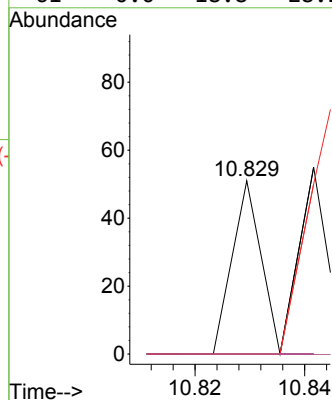
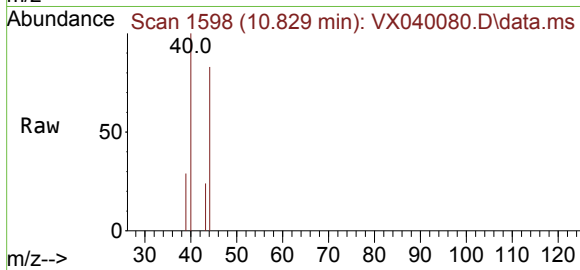
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 26.682 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040080.D

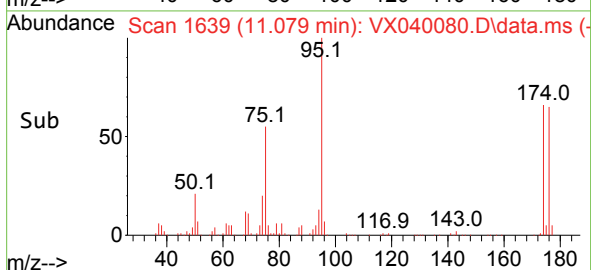
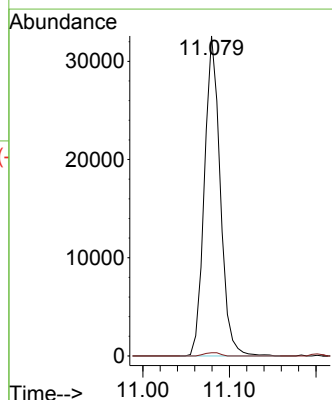
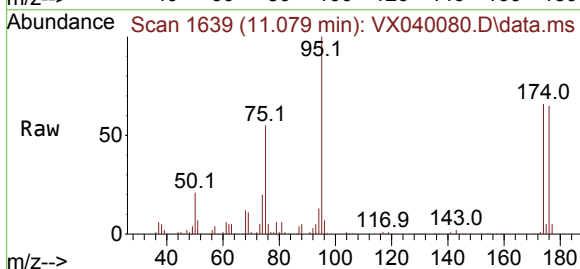
Acq: 02 Feb 2024 12:35

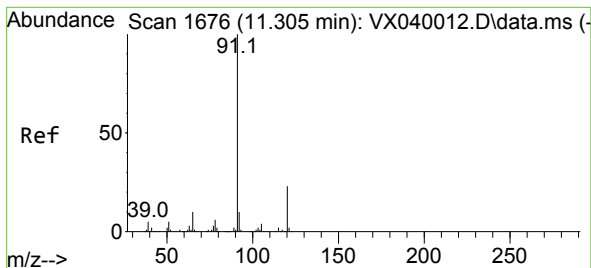
Tgt Ion: 75 Resp: 41378

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#





#78

n-propylbenzene

Concen: 0.217 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

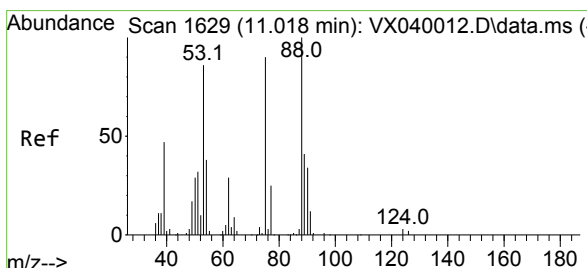
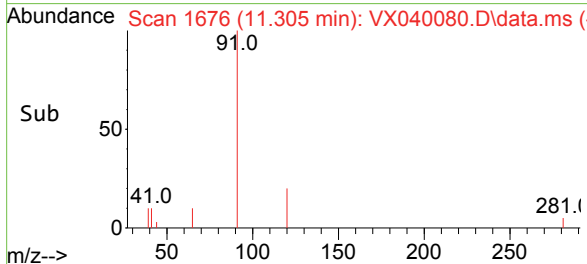
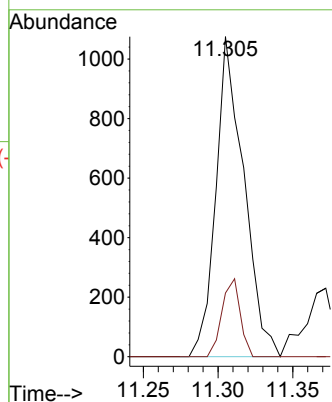
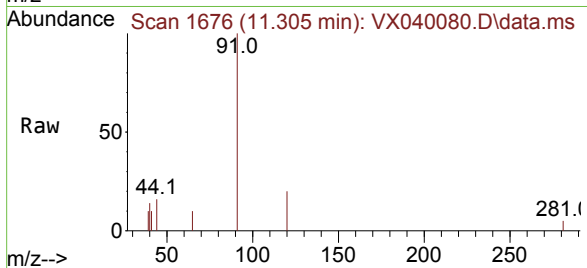
MR-317AP-GW-20240131-0

Tgt Ion: 91 Resp: 1395

Ion Ratio Lower Upper

91 100

120 15.9 11.5 34.4



#81

trans-1,4-Dichloro-2-butene

Concen: 78.054 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

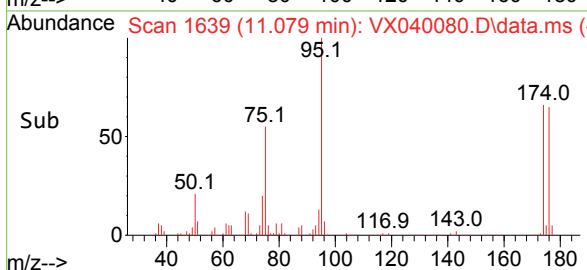
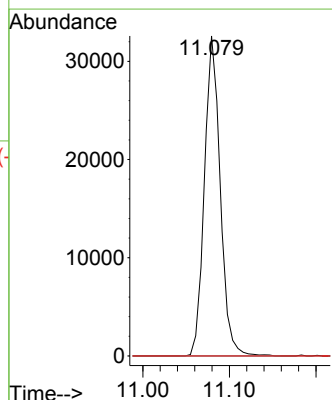
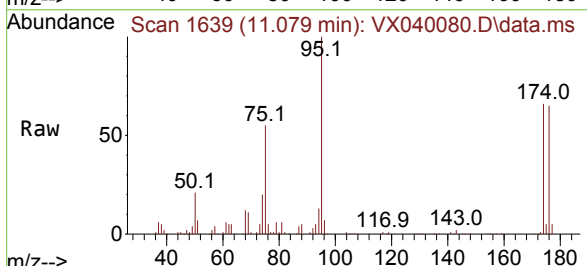
Tgt Ion: 75 Resp: 41378

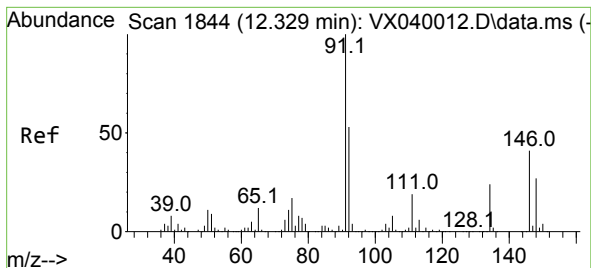
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.250 ug/l

RT: 12.335 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MR-317AP-GW-20240131-0

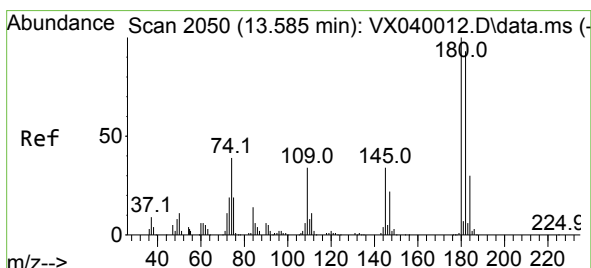
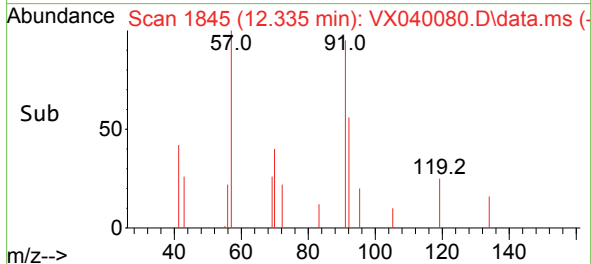
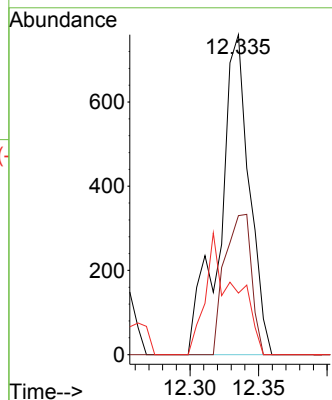
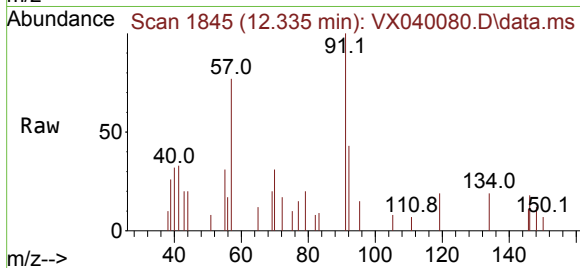
Tgt Ion: 91 Resp: 1127

Ion Ratio Lower Upper

91 100

92 40.1 27.4 82.0

134 0.0 12.6 37.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.308 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX040080.D

Acq: 02 Feb 2024 12:35

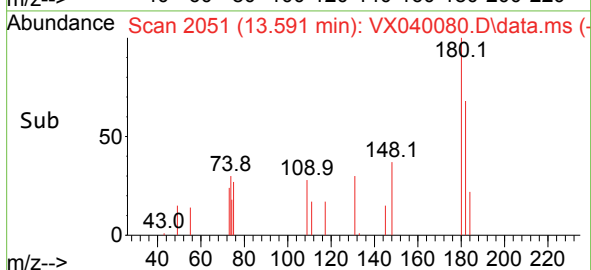
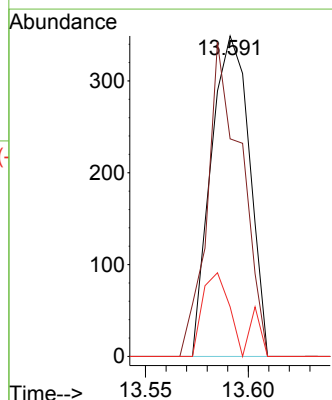
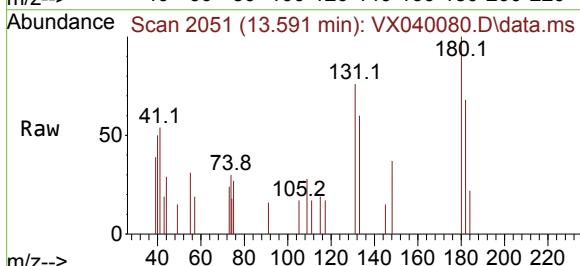
Tgt Ion:180 Resp: 452

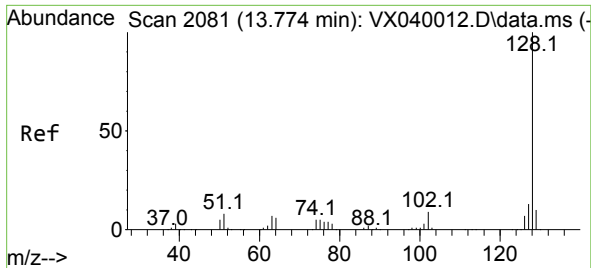
Ion Ratio Lower Upper

180 100

182 87.2 48.3 144.8

145 22.3 18.0 54.0





#95

Naphthalene

Concen: 1.123 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX040080.D

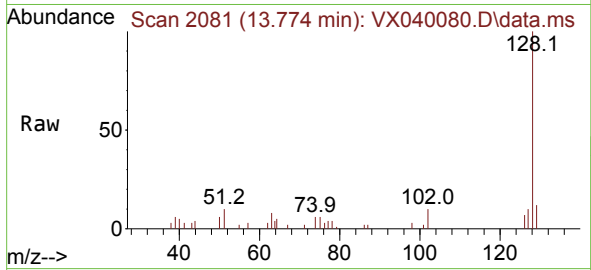
Acq: 02 Feb 2024 12:35

Instrument :

MSVOA_X

ClientSampleId :

MR-317AP-GW-20240131-0



Tgt Ion:128 Resp: 5595

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 10.6 8.8 13.2

