

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039613.D
 Acq On : 03 Jan 2024 19:23
 Operator : JC/MD
 Sample : P1002-08DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:38:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

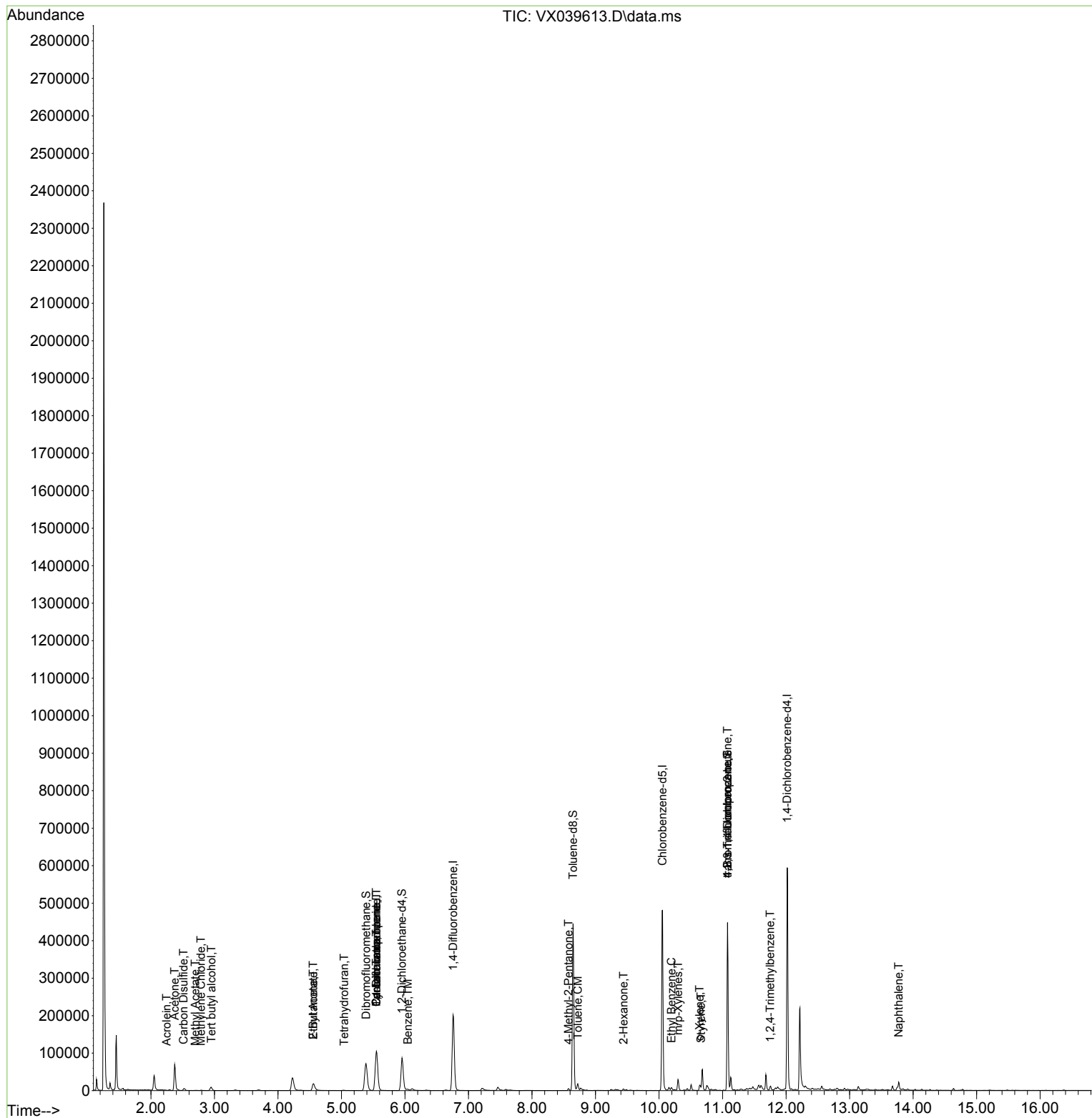
Internal Standards						
1) Pentafluorobenzene	5.550	168	91547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	198192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	79806	47.586	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.180%			
35) Dibromofluoromethane	5.385	113	64940	47.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.860%			
50) Toluene-d8	8.647	98	256287	50.418	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.840%			
62) 4-Bromofluorobenzene	11.079	95	119653	57.051	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.100%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	7597	18.039	ug/l	97
13) Acrolein	2.246	56	68	0.202	ug/l #	14
16) Acetone	2.374	43	70515	53.917	ug/l	92
17) Carbon Disulfide	2.514	76	2902	0.842	ug/l	96
18) Methyl Acetate	2.697	43	1061	0.292	ug/l #	53
20) Methylene Chloride	2.788	84	504	0.361	ug/l #	67
25) 2-Butanone	4.556	43	30787	21.274	ug/l	96
29) Tetrahydrofuran	5.044	42	418	0.523	ug/l #	58
31) Cyclohexane	5.550	56	2503	1.156	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	8948	4.141	ug/l #	50
37) Ethyl Acetate	4.556	43	30787	11.533	ug/l #	69
38) Carbon Tetrachloride	5.550	117	10537	5.110	ug/l #	15
40) Benzene	6.044	78	3817	0.625	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	3396	1.228	ug/l	100
52) Toluene	8.720	92	5916	1.604	ug/l	96
59) 2-Hexanone	9.439	43	3137	1.314	ug/l	90
67) Ethyl Benzene	10.195	91	4421	0.508	ug/l	98
68) m/p-Xylenes	10.299	106	6259	2.005	ug/l	86
69) o-Xylene	10.640	106	2904	0.962	ug/l	95
70) Styrene	10.659	104	2597	0.589	ug/l #	81
76) 1,2,3-Trichloropropane	11.079	75	65305	22.999	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	65305	64.881	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	4153	0.561	ug/l	100
95) Naphthalene	13.774	128	11776	1.467	ug/l	98

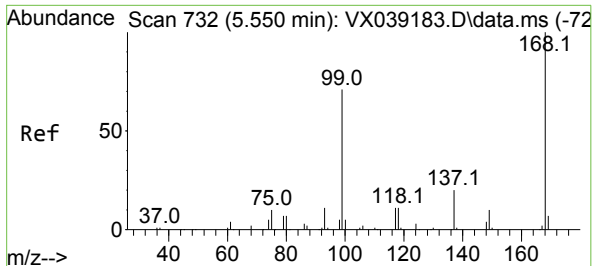
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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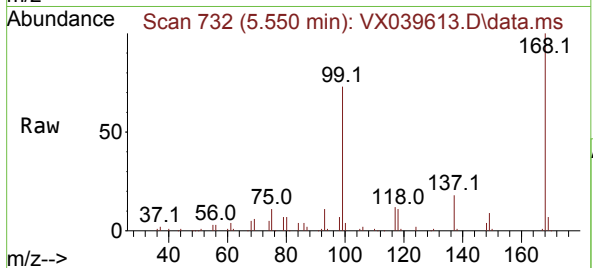
Quant Time: Jan 04 03:38:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
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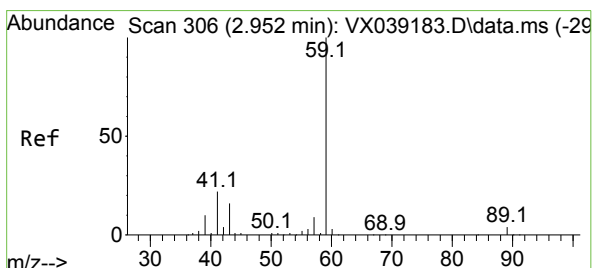
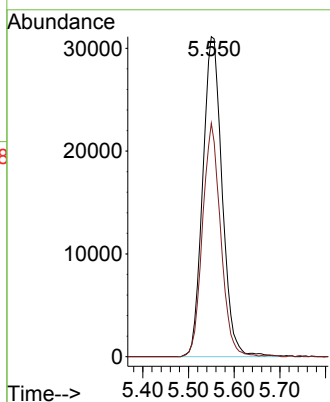
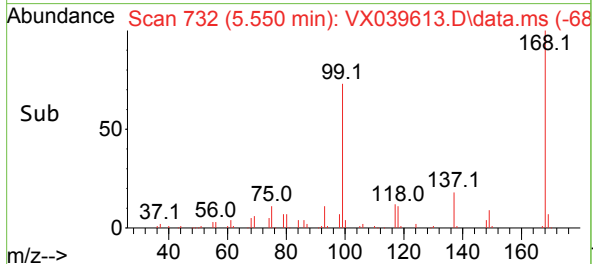


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Instrument :
MSVOA_X
ClientSampleId :

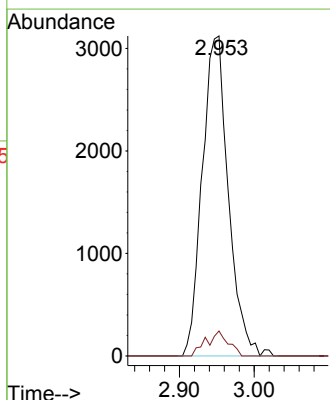
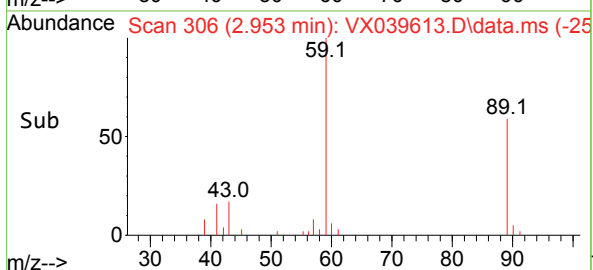
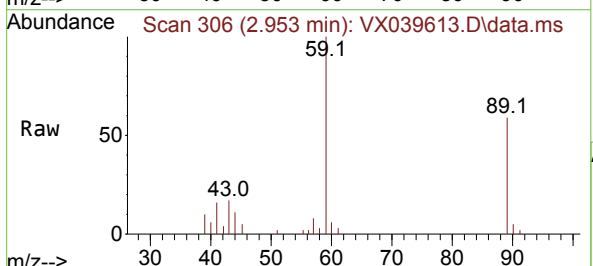


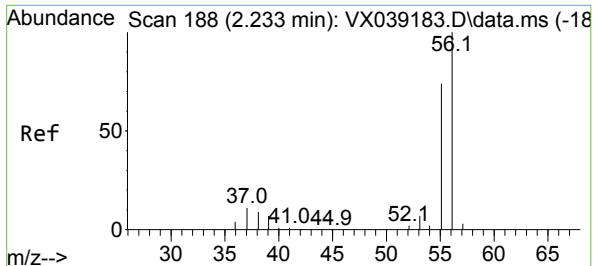
Tgt Ion:168 Resp: 91547
Ion Ratio Lower Upper
168 100
99 73.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 18.039 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Tgt Ion: 59 Resp: 7597
Ion Ratio Lower Upper
59 100
57 6.6 6.0 9.0





#13

Acrolein

Concen: 0.202 ug/l

RT: 2.246 min Scan# 19

Delta R.T. 0.013 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

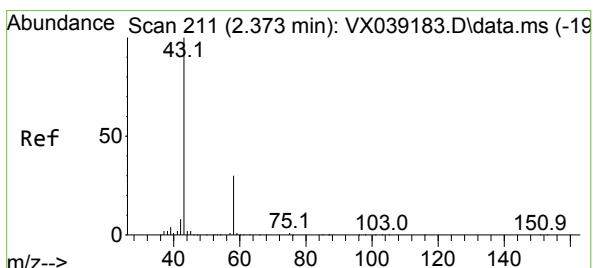
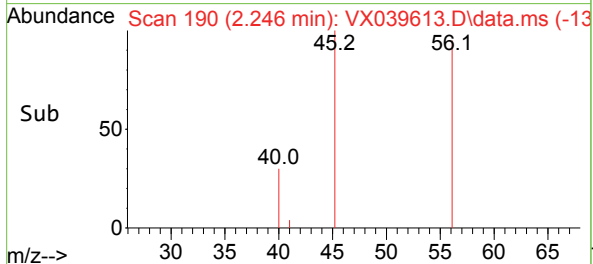
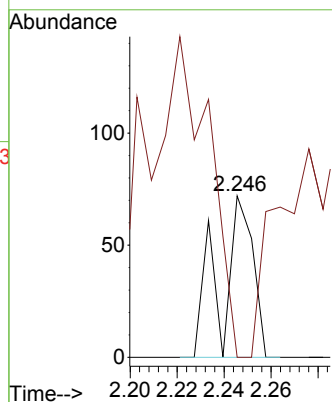
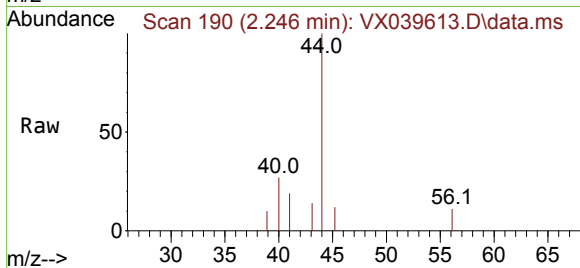
ClientSampleId :

Tgt Ion: 56 Resp: 68

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 53.917 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.001 min

Lab File: VX039613.D

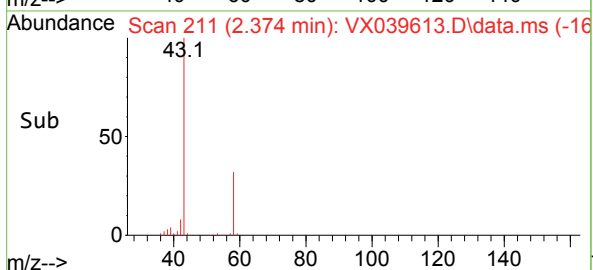
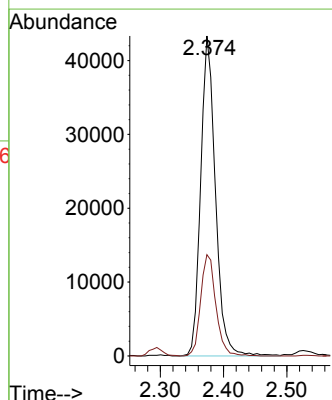
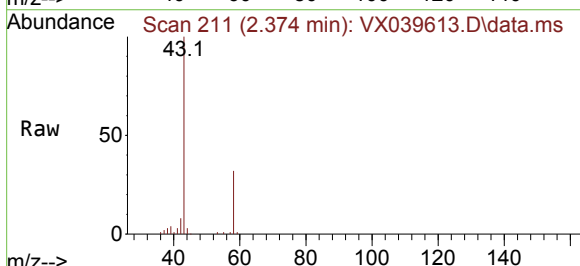
Acq: 03 Jan 2024 19:23

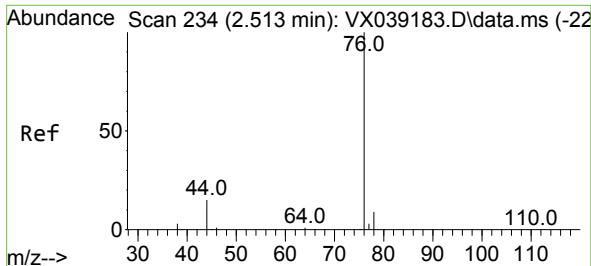
Tgt Ion: 43 Resp: 70515

Ion Ratio Lower Upper

43 100

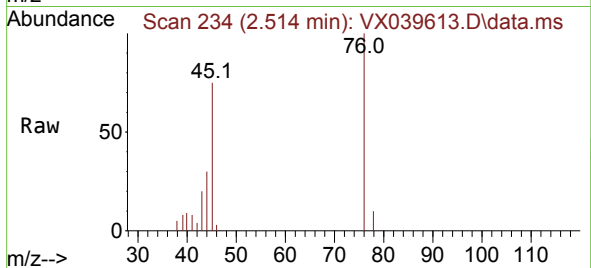
58 31.6 21.9 32.9



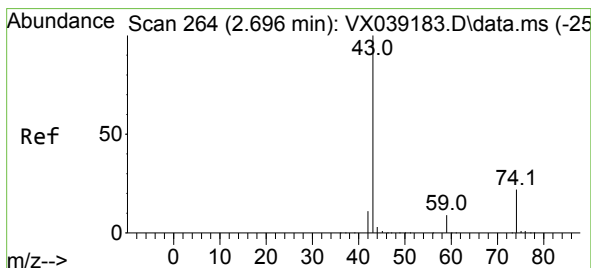
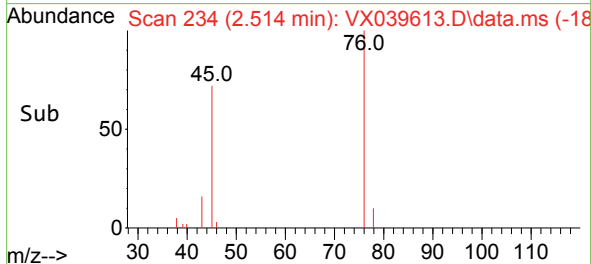
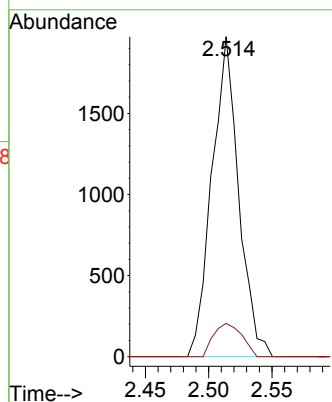


#17
Carbon Disulfide
Concen: 0.842 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Instrument :
MSVOA_X
ClientSampleId :

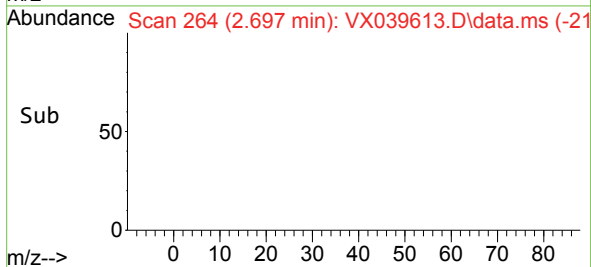
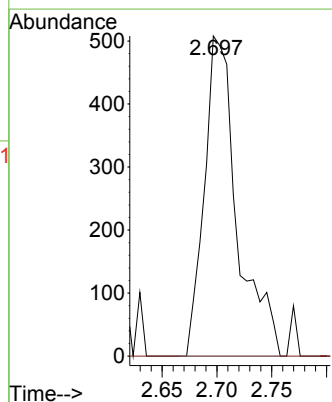
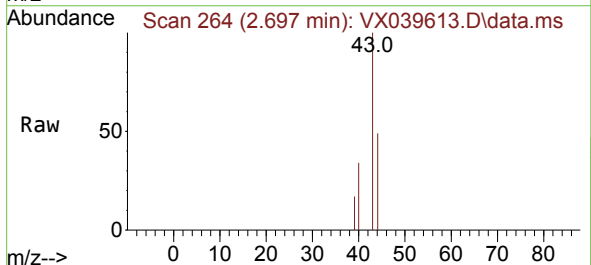


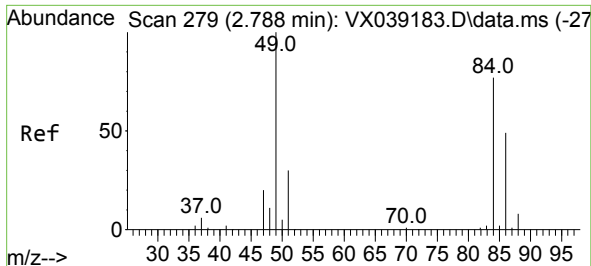
Tgt Ion: 76 Resp: 2902
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.6



#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 2.697 min Scan# 264
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

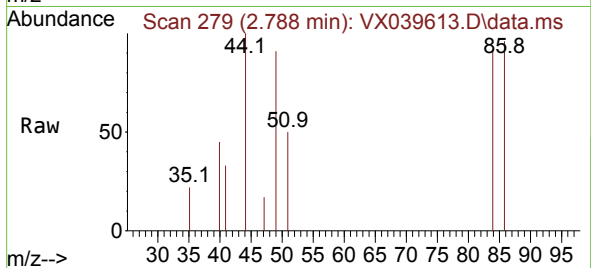
Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



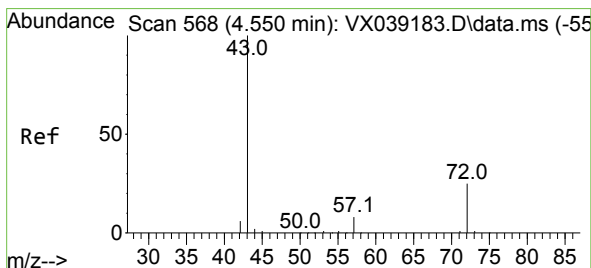
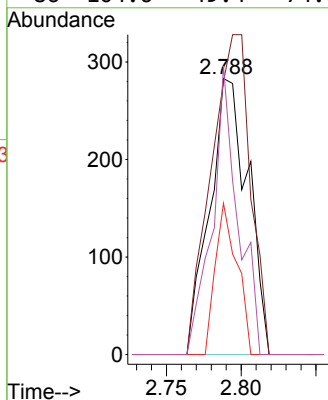
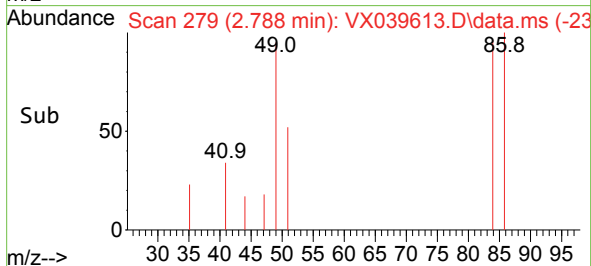


#20
Methylene Chloride
Concen: 0.361 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Instrument :
MSVOA_X
ClientSampleId :

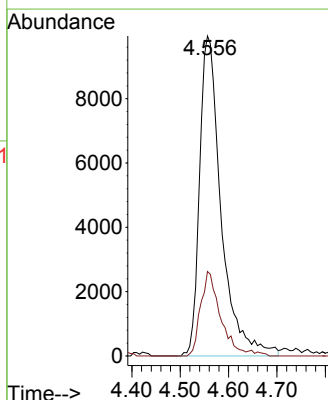
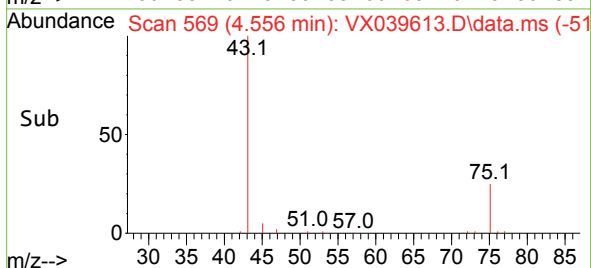
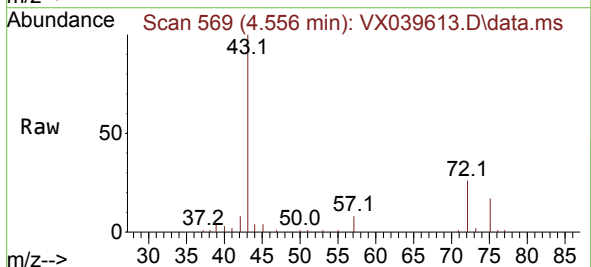


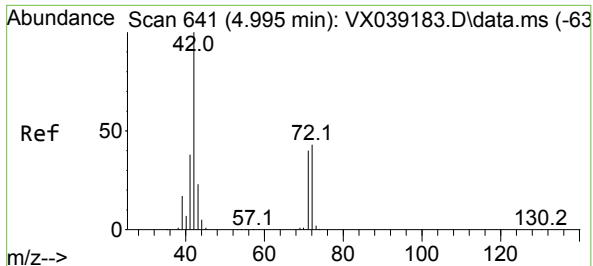
Tgt Ion: 84	Resp: 504
Ion Ratio	Lower Upper
84	100
49	98.9 103.6 155.4#
51	54.8 33.8 50.6#
86	104.6 49.4 74.0#



#25
2-Butanone
Concen: 21.274 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.006 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Tgt Ion: 43	Resp: 30787
Ion Ratio	Lower Upper
43	100
72	26.4 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.523 ug/l

RT: 5.044 min Scan# 641

Delta R.T. 0.049 min

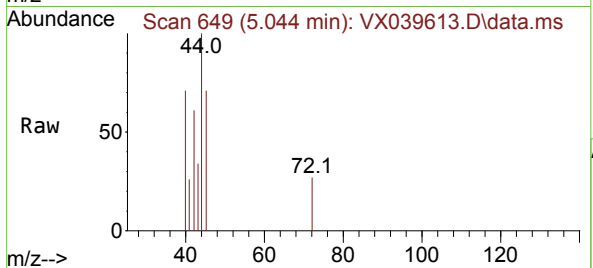
Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

ClientSampleId :



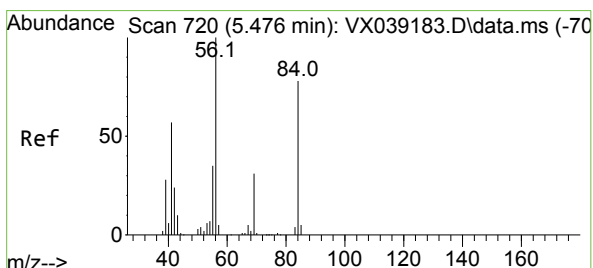
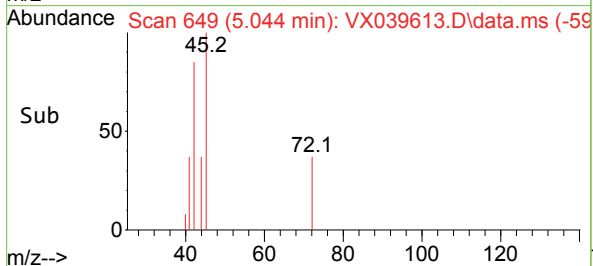
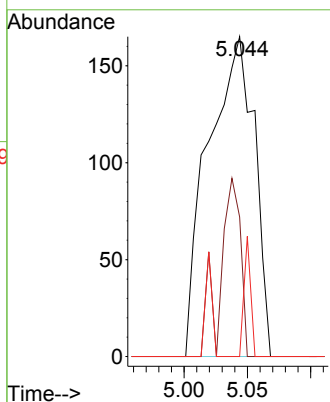
Tgt Ion: 42 Resp: 418

Ion Ratio Lower Upper

42 100

72 24.9 34.2 51.4#

71 5.5 32.2 48.2#



#31

Cyclohexane

Concen: 1.156 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.074 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

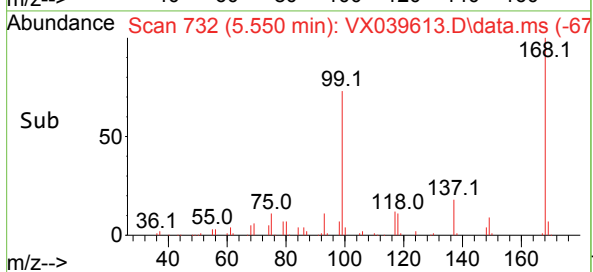
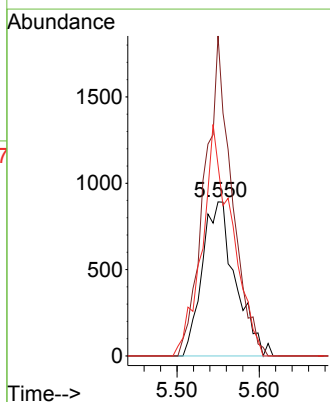
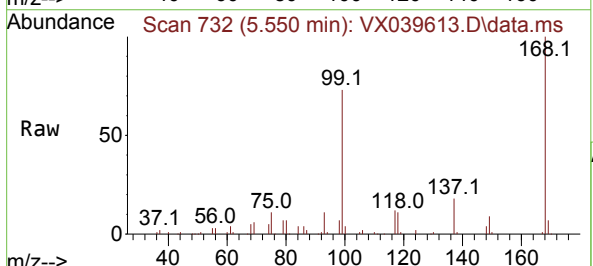
Tgt Ion: 56 Resp: 2503

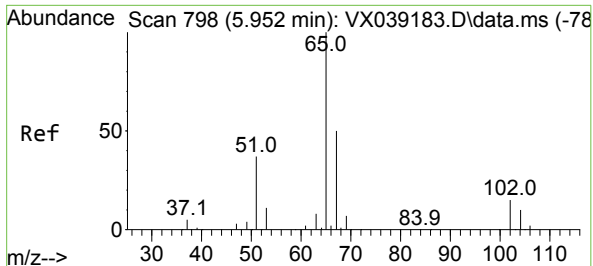
Ion Ratio Lower Upper

56 100

69 207.7 23.4 35.2#

84 123.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.586 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

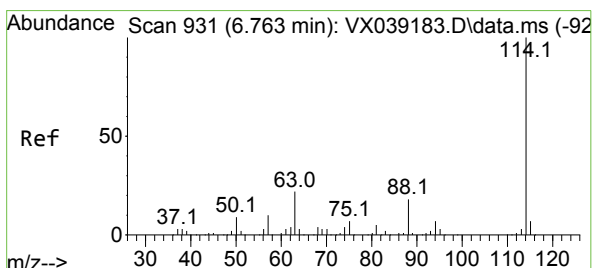
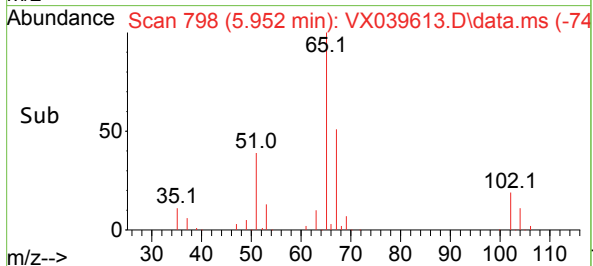
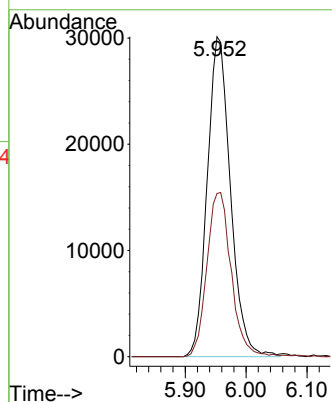
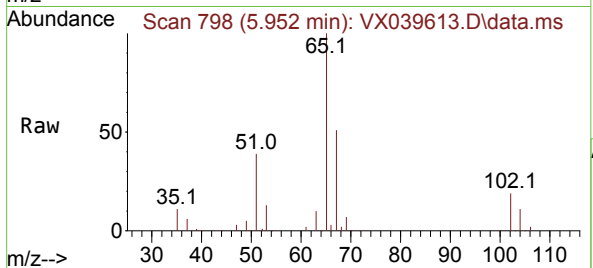
ClientSampleId :

Tgt Ion: 65 Resp: 79806

Ion Ratio Lower Upper

65 100

67 53.6 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: VX039613.D

Acq: 03 Jan 2024 19:23

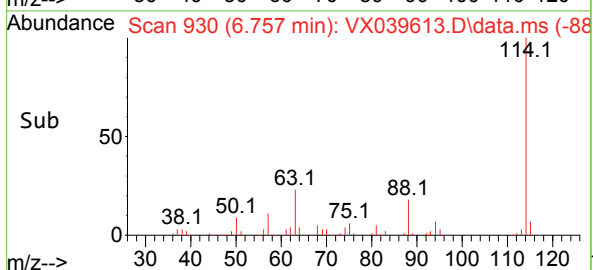
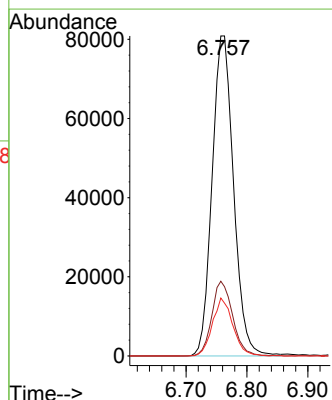
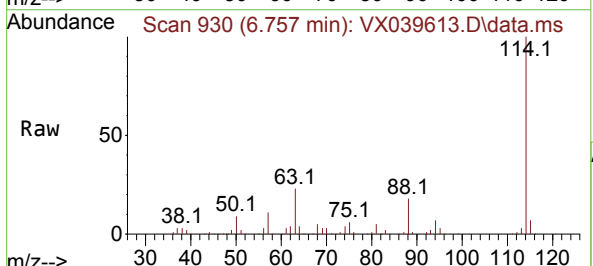
Tgt Ion: 114 Resp: 198192

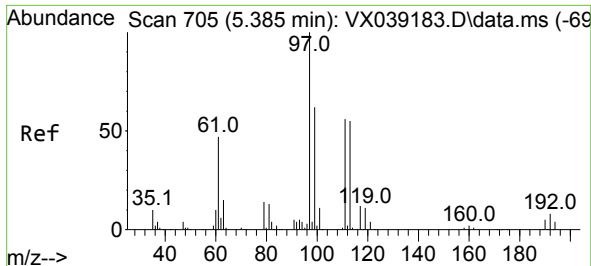
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.0

88 18.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.429 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

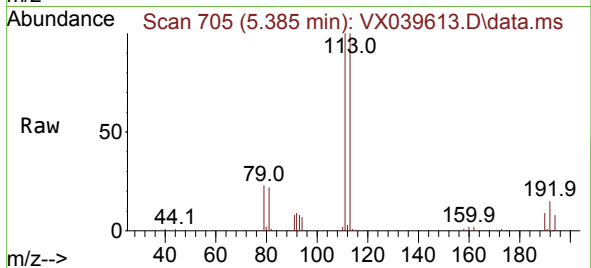
Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

ClientSampleId :



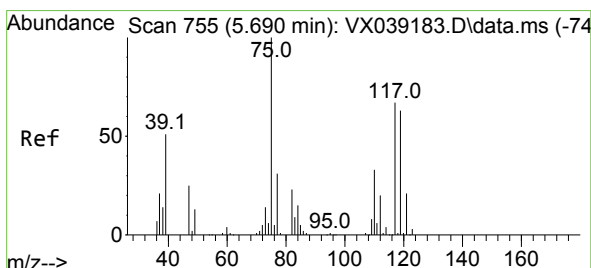
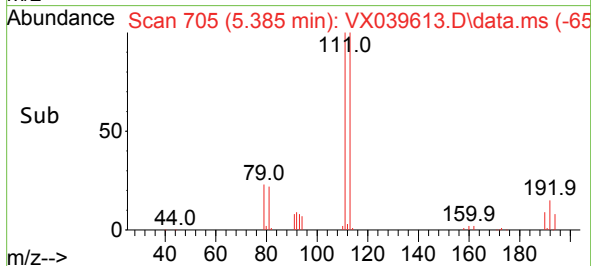
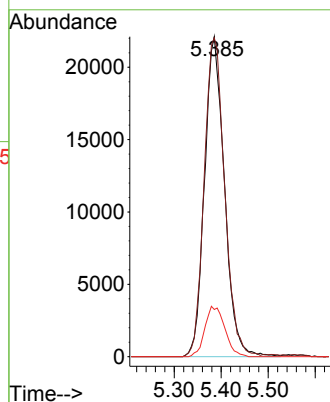
Tgt Ion:113 Resp: 64940

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

192 15.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.141 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

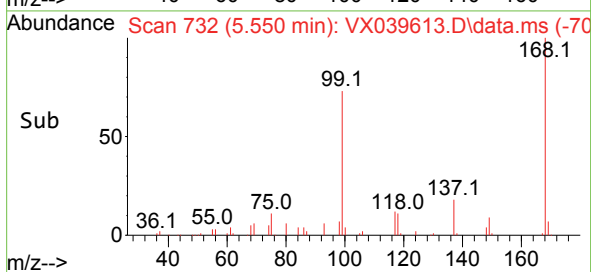
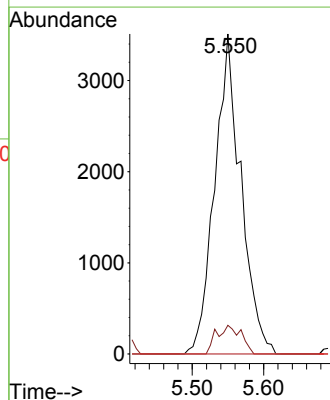
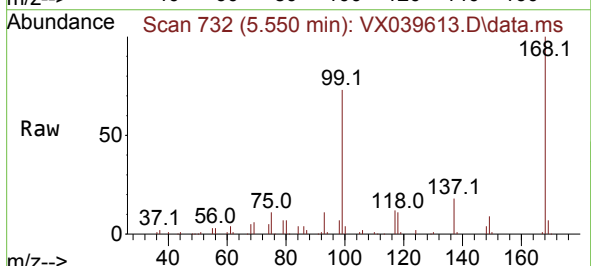
Tgt Ion: 75 Resp: 8948

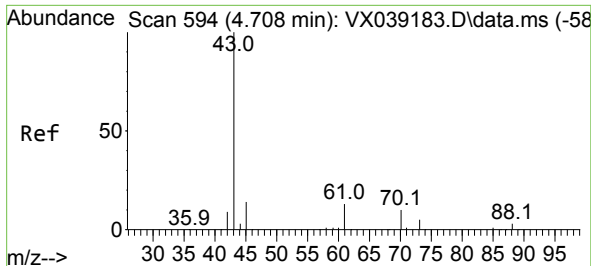
Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 11.533 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.152 min

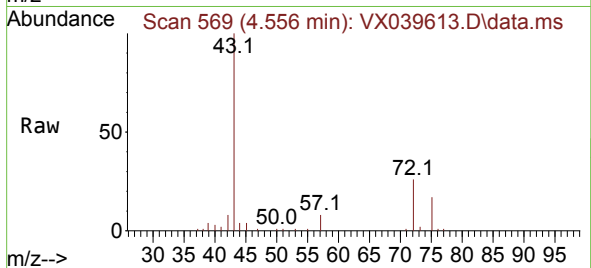
Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

ClientSampleId :



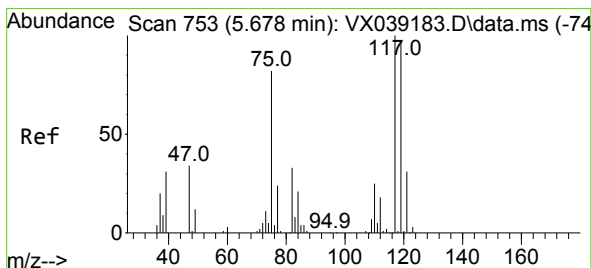
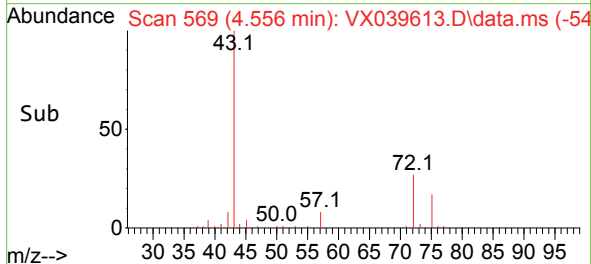
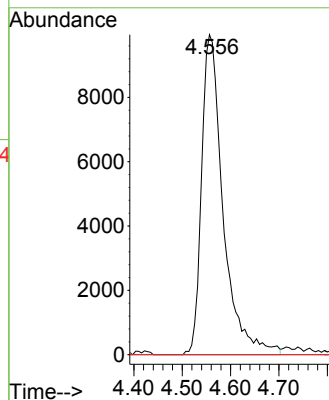
Tgt Ion: 43 Resp: 30787

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.110 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

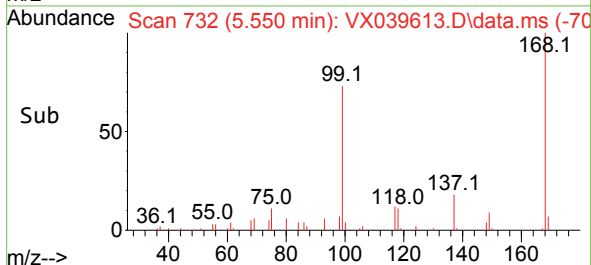
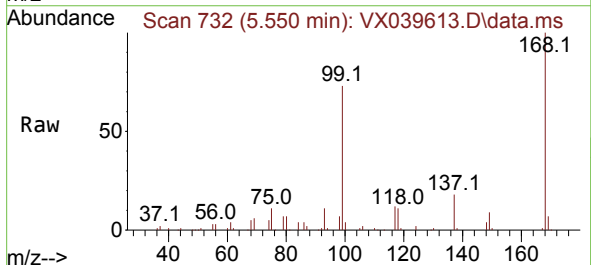
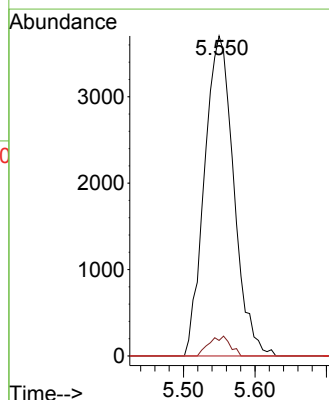
Tgt Ion: 117 Resp: 10537

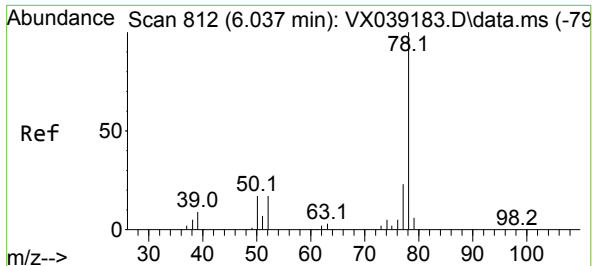
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#

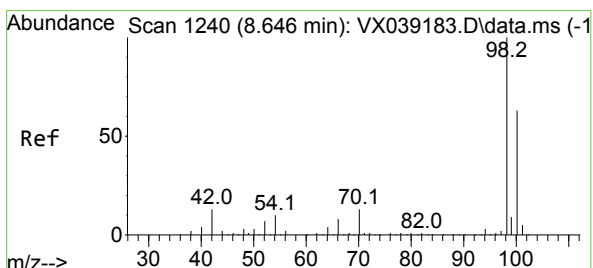
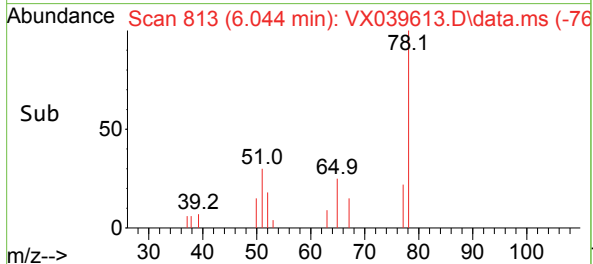
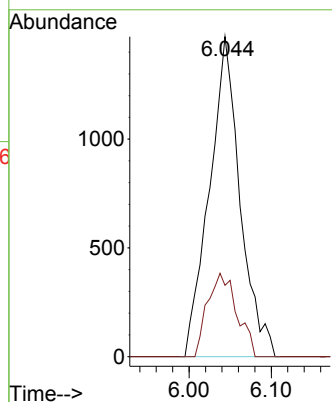
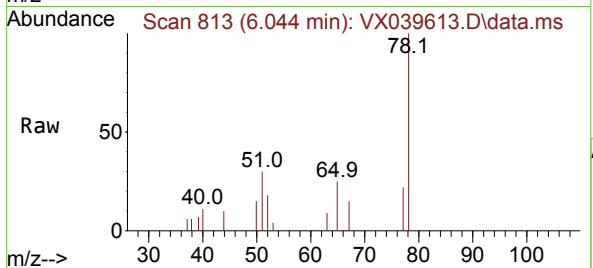




#40
Benzene
Concen: 0.625 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

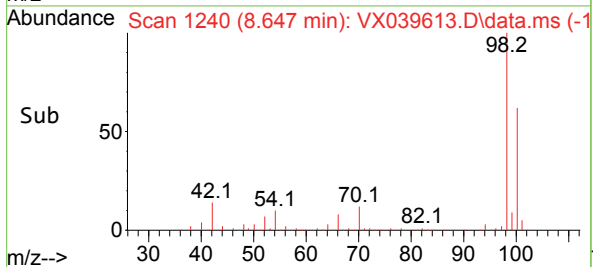
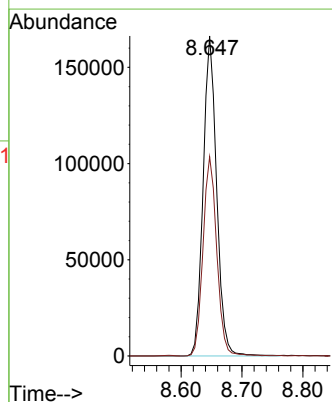
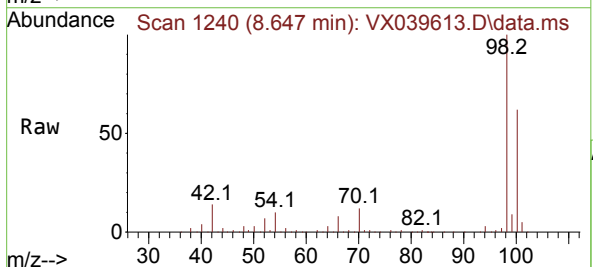
Instrument :
MSVOA_X
ClientSampleId :

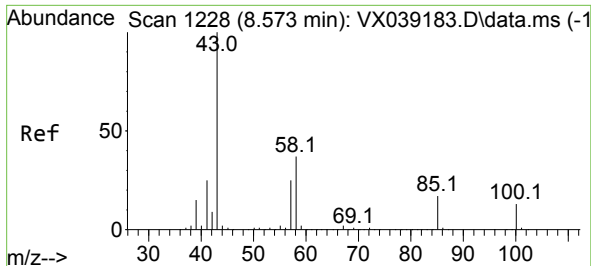
Tgt Ion: 78 Resp: 3817
Ion Ratio Lower Upper
78 100
77 22.3 19.3 28.9



#50
Toluene-d8
Concen: 50.418 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Tgt Ion: 98 Resp: 256287
Ion Ratio Lower Upper
98 100
100 63.6 53.1 79.7

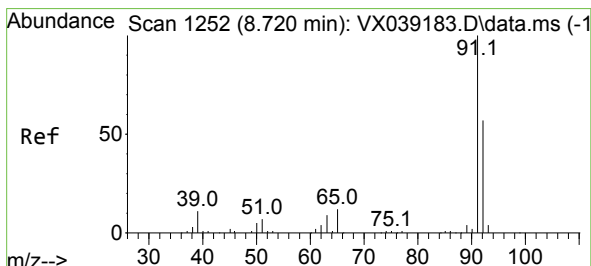
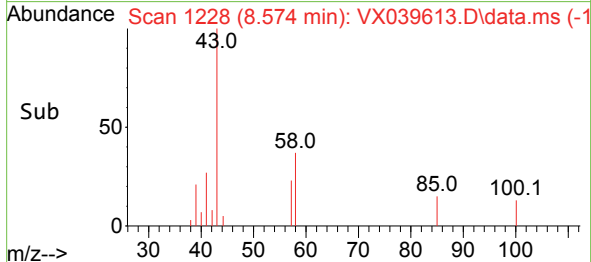
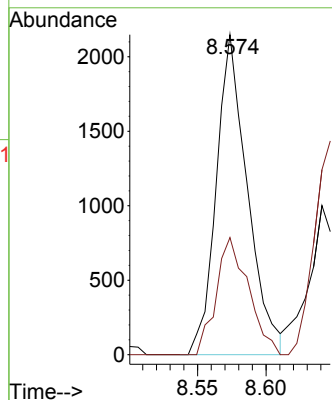
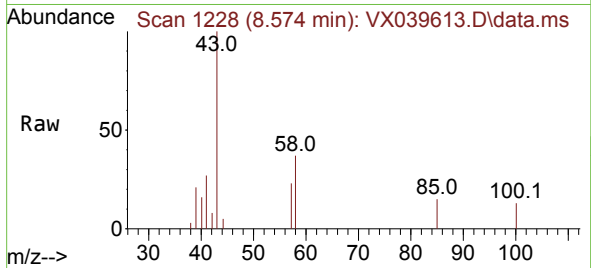




#51
4-Methyl-2-Pentanone
Concen: 1.228 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

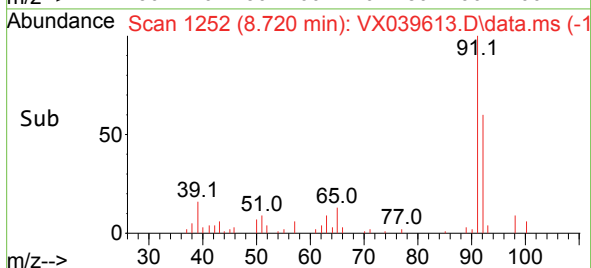
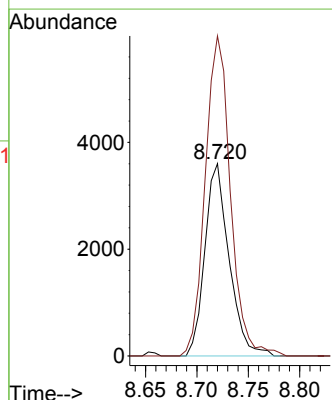
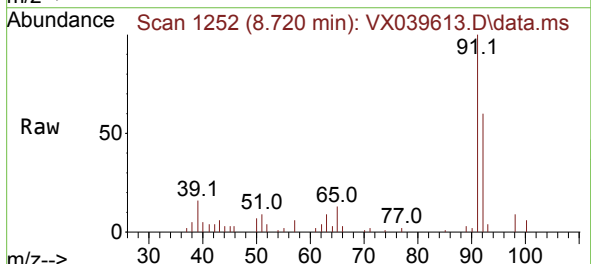
Instrument :
MSVOA_X
ClientSampleId :

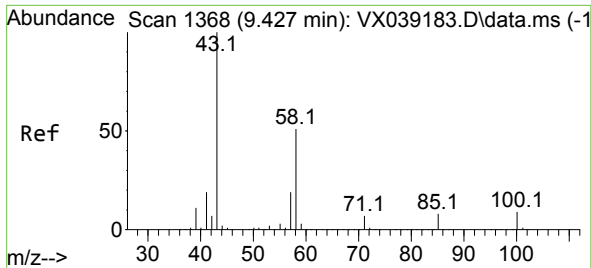
Tgt Ion: 43 Resp: 3396
Ion Ratio Lower Upper
43 100
58 37.8 30.4 45.6



#52
Toluene
Concen: 1.604 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Tgt Ion: 92 Resp: 5916
Ion Ratio Lower Upper
92 100
91 173.0 134.2 201.2

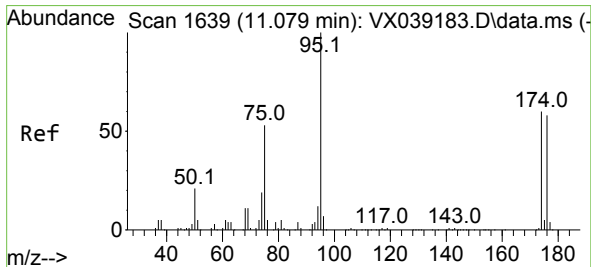
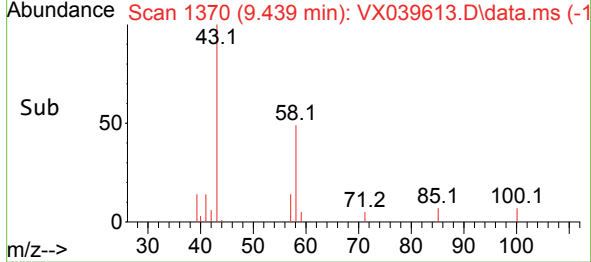
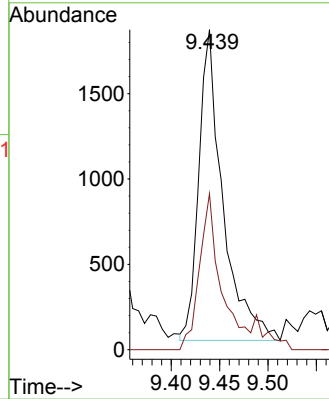
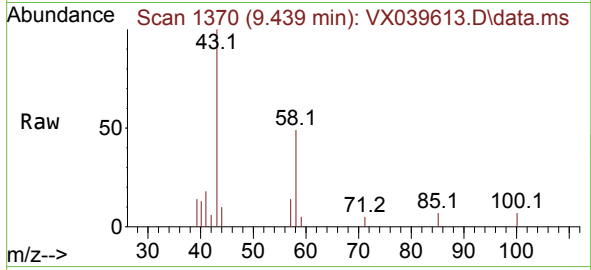




#59
2-Hexanone
Concen: 1.314 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.013 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

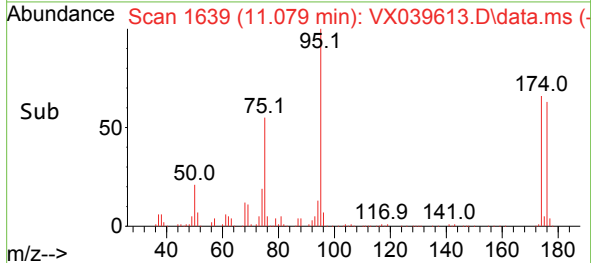
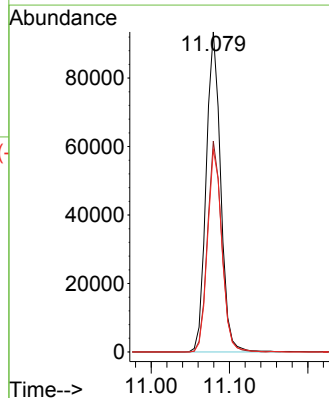
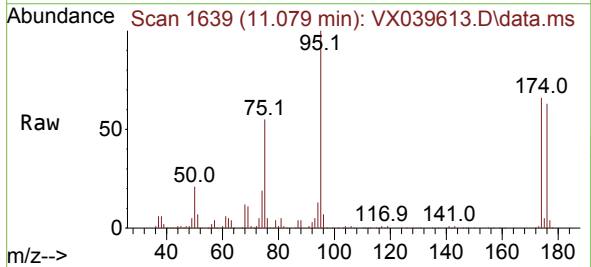
Instrument :
MSVOA_X
ClientSampleId :

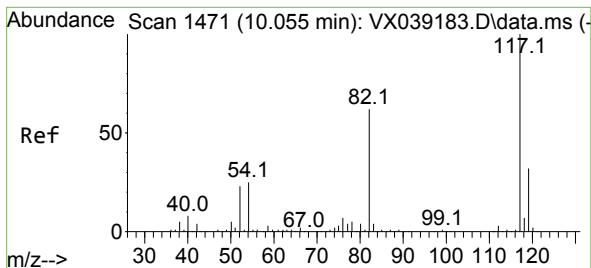
Tgt Ion: 43 Resp: 3137
Ion Ratio Lower Upper
43 100
58 45.3 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 57.051 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Tgt Ion: 95 Resp: 119653
Ion Ratio Lower Upper
95 100
174 64.9 0.0 135.6
176 62.7 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: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

ClientSampleId :

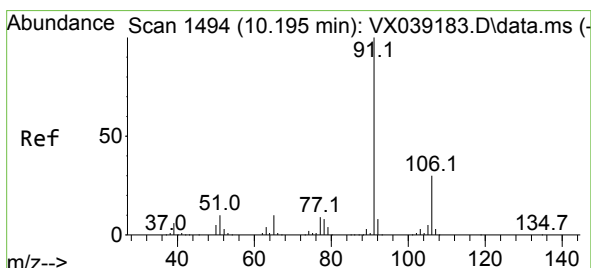
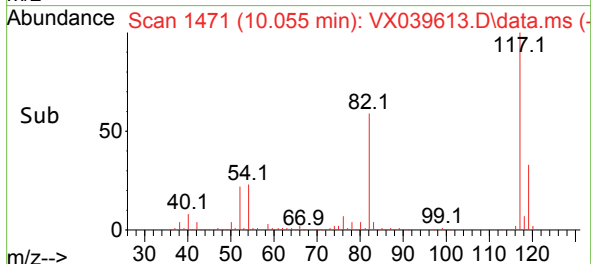
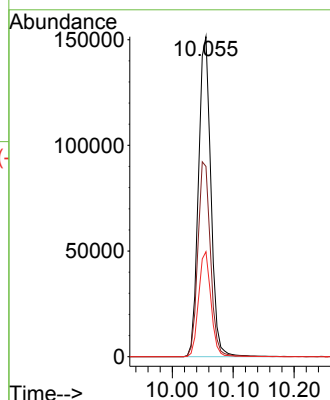
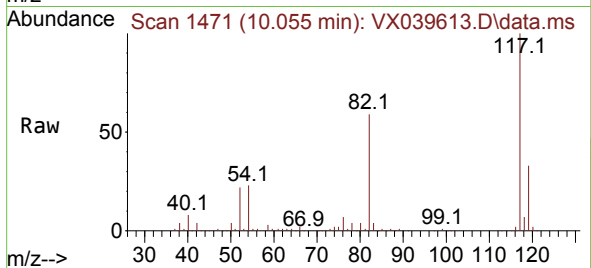
Tgt Ion:117 Resp: 214243

Ion Ratio Lower Upper

117 100

82 59.4 46.2 69.4

119 32.8 25.5 38.3



#67

Ethyl Benzene

Concen: 0.508 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039613.D

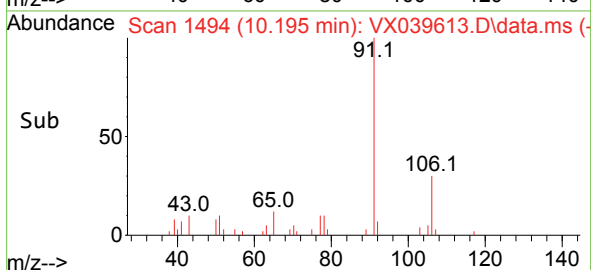
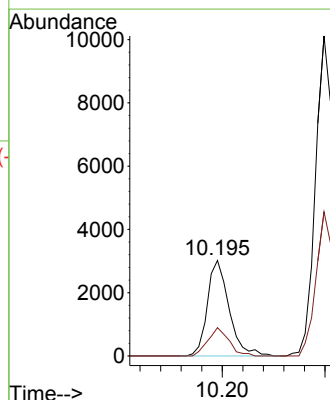
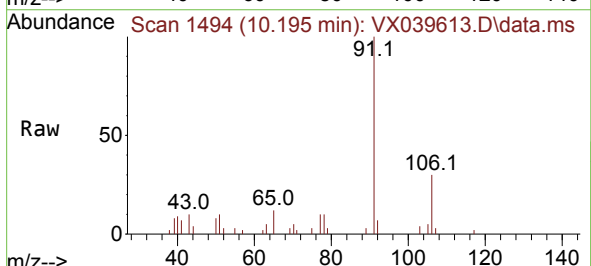
Acq: 03 Jan 2024 19:23

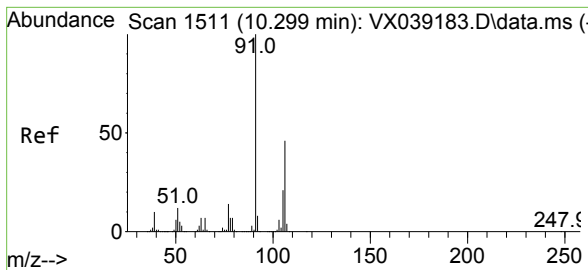
Tgt Ion: 91 Resp: 4421

Ion Ratio Lower Upper

91 100

106 29.7 24.9 37.3

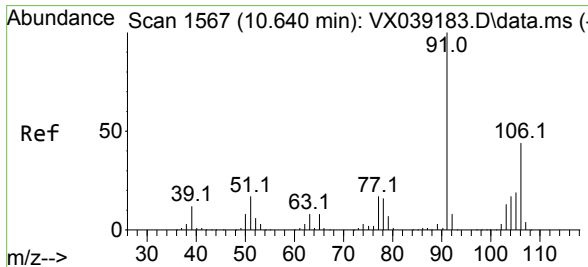
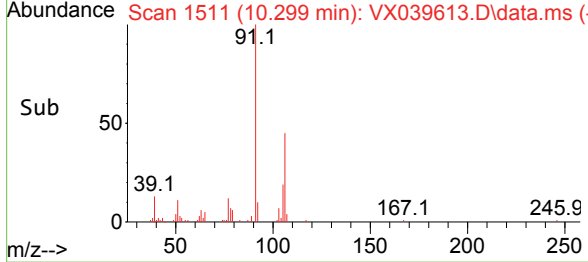
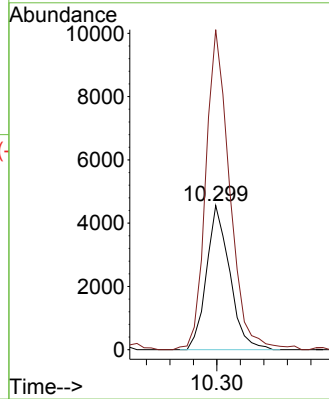
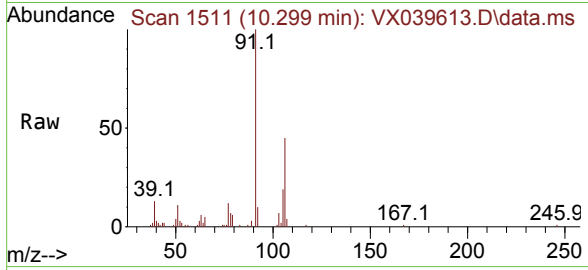




#68
m/p-Xylenes
Concen: 2.005 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

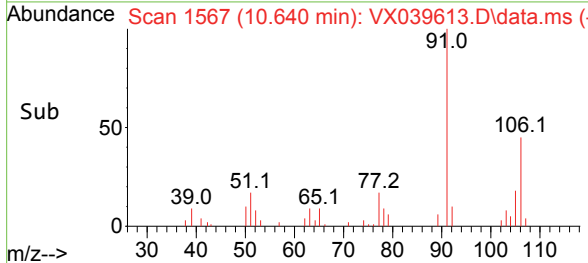
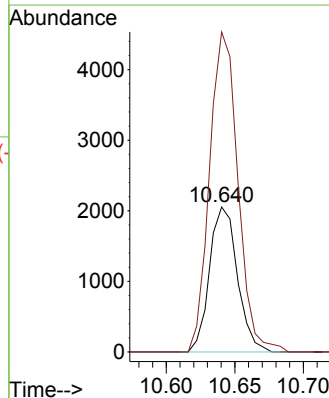
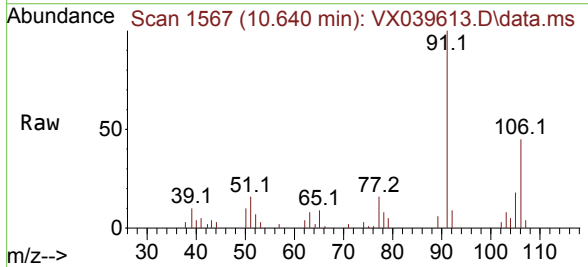
Instrument :
MSVOA_X
ClientSampleId :

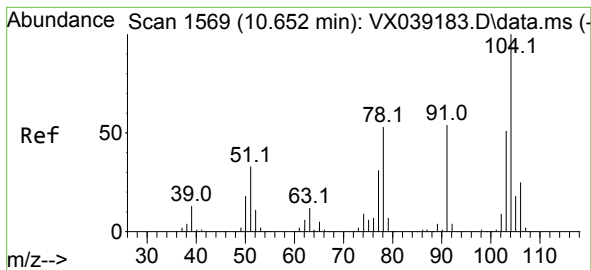
Tgt Ion:106 Resp: 6259
Ion Ratio Lower Upper
106 100
91 228.4 165.5 248.3



#69
o-Xylene
Concen: 0.962 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039613.D
Acq: 03 Jan 2024 19:23

Tgt Ion:106 Resp: 2904
Ion Ratio Lower Upper
106 100
91 225.1 108.9 326.8





#70

Styrene

Concen: 0.589 ug/l

RT: 10.659 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

ClientSampleId :

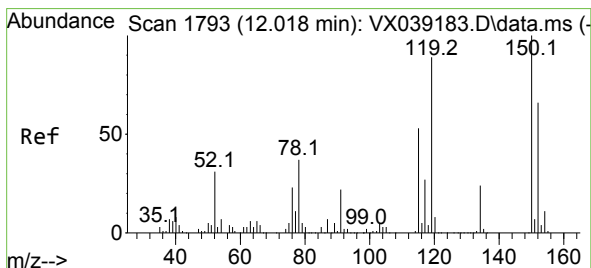
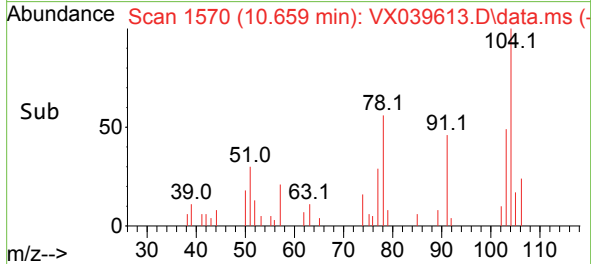
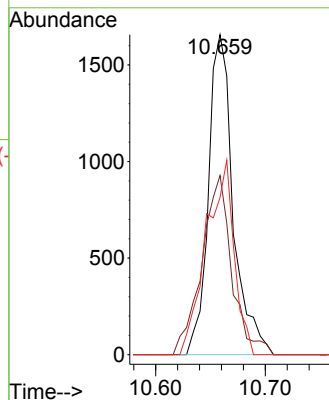
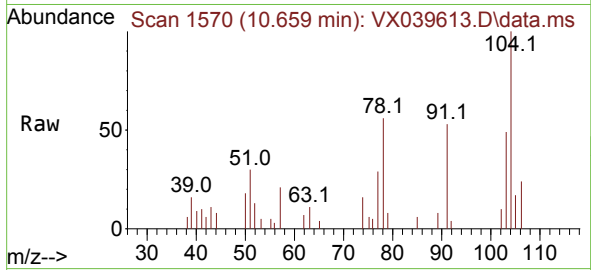
Tgt Ion:104 Resp: 2597

Ion Ratio Lower Upper

104 100

78 68.0 43.6 65.4#

103 68.9 43.6 65.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

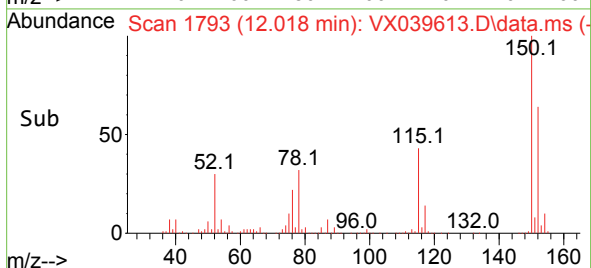
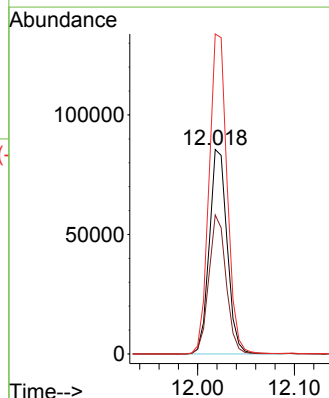
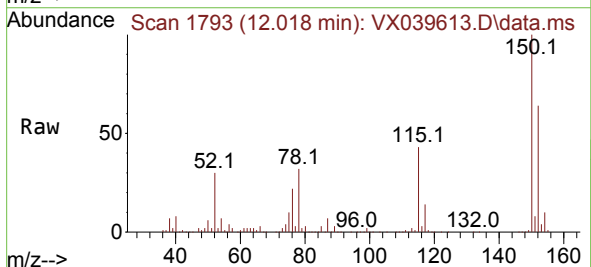
Tgt Ion:152 Resp: 109750

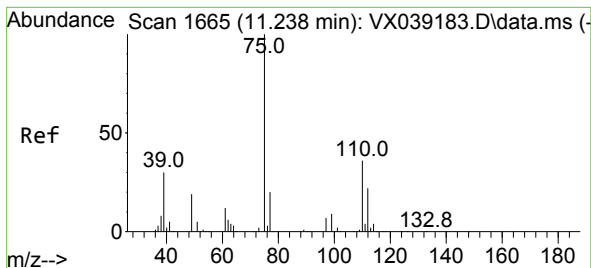
Ion Ratio Lower Upper

152 100

115 66.0 43.3 129.9

150 158.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.999 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

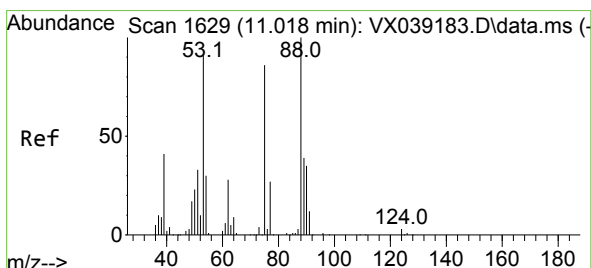
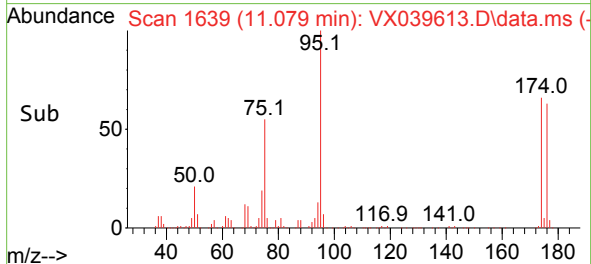
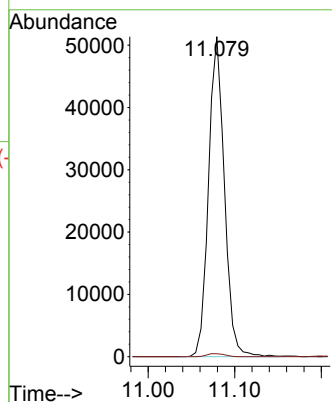
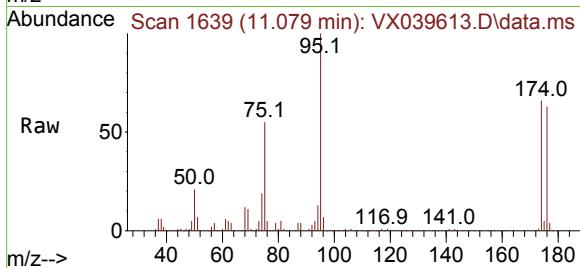
ClientSampleId :

Tgt Ion: 75 Resp: 65305

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.881 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

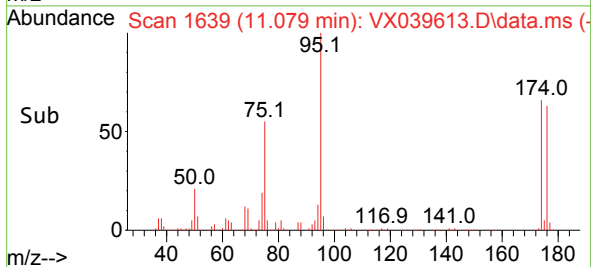
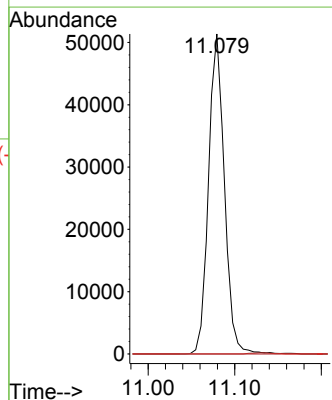
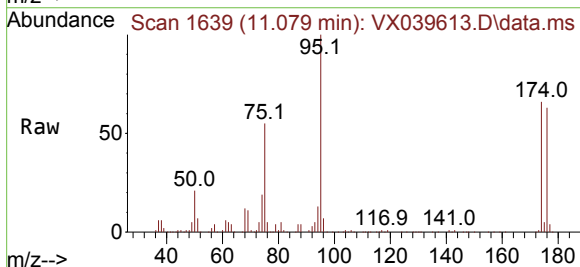
Tgt Ion: 75 Resp: 65305

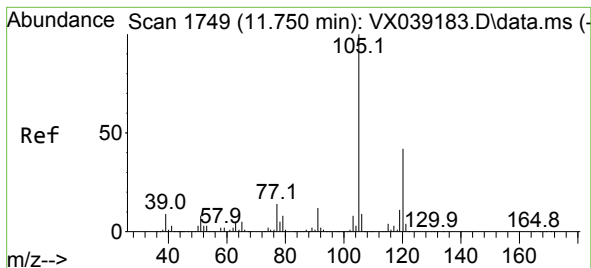
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.561 ug/l

RT: 11.750 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Instrument :

MSVOA_X

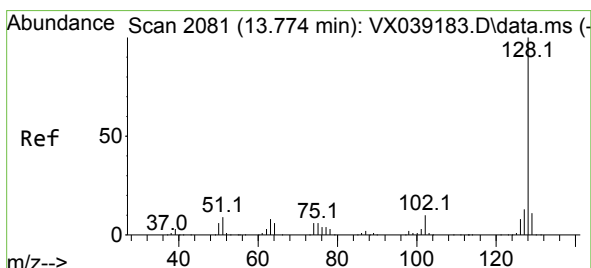
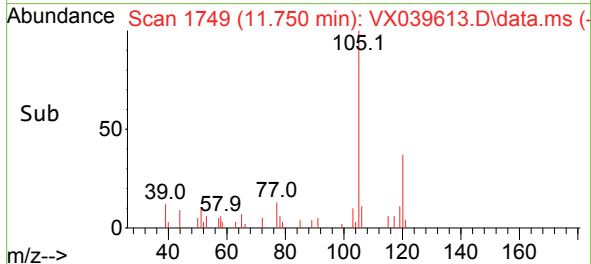
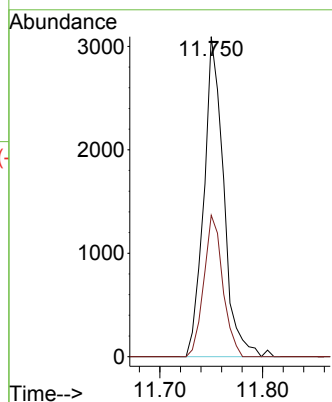
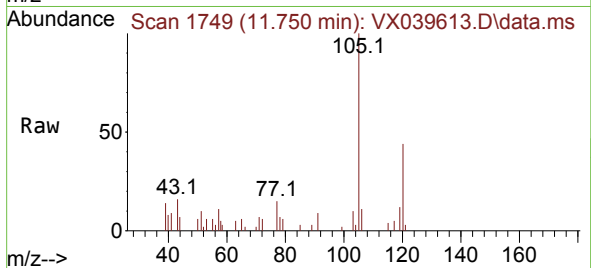
ClientSampleId :

Tgt Ion:105 Resp: 4153

Ion Ratio Lower Upper

105 100

120 42.1 21.2 63.6



#95

Naphthalene

Concen: 1.467 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039613.D

Acq: 03 Jan 2024 19:23

Tgt Ion:128 Resp: 11776

Ion Ratio Lower Upper

128 100

127 13.7 10.3 15.5

129 11.6 8.8 13.2

