

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039596.D
 Acq On : 03 Jan 2024 12:57
 Operator : JC/MD
 Sample : P1001-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:30:21 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)

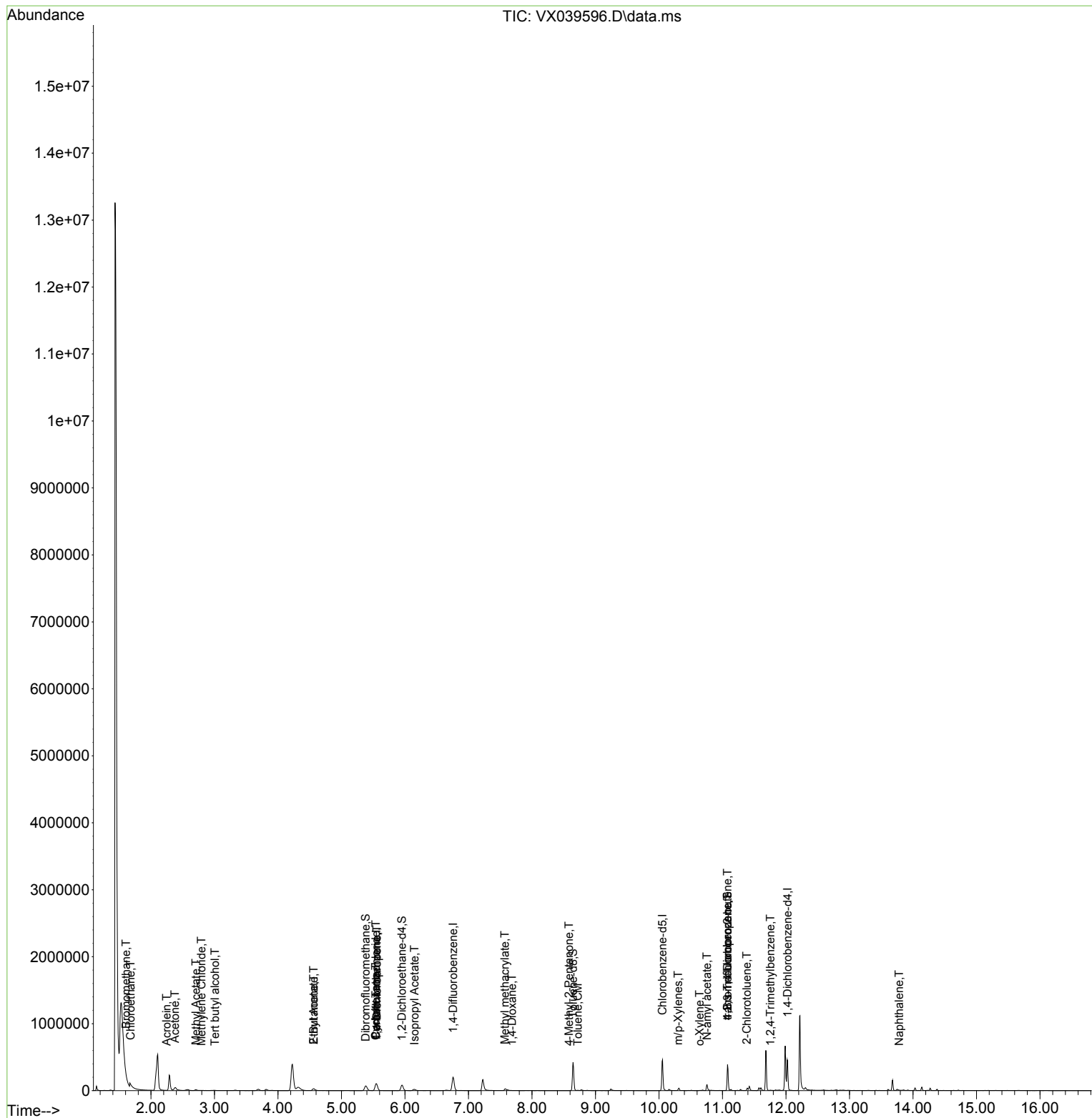
Internal Standards						
1) Pentafluorobenzene	5.550	168	93182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	196439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	195424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80063	46.902	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.800%		
35) Dibromofluoromethane	5.379	113	63374	46.698	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.400%		
50) Toluene-d8	8.647	98	243308	48.292	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.580%		
62) 4-Bromofluorobenzene	11.079	95	101149	48.658	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.320%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	221	0.285	ug/l	84
6) Chloroethane	1.679	64	330	0.406	ug/l #	43
11) Tert butyl alcohol	3.008	59	6746	15.737	ug/l #	91
13) Acrolein	2.246	56	326	0.953	ug/l #	14
16) Acetone	2.380	43	24757	1.815	ug/l #	1
18) Methyl Acetate	2.709	43	18282	4.952	ug/l	99
20) Methylene Chloride	2.794	84	481	0.338	ug/l #	81
25) 2-Butanone	4.562	43	54605	37.070	ug/l	97
31) Cyclohexane	5.538	56	2845	1.290	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	9015	4.210	ug/l #	49
37) Ethyl Acetate	4.562	43	54605	20.639	ug/l #	69
38) Carbon Tetrachloride	5.544	117	10701	5.236	ug/l #	15
43) Isopropyl Acetate	6.147	43	18487	4.297	ug/l #	62
48) Methyl methacrylate	7.574	41	10643	4.231	ug/l #	49
49) 1,4-Dioxane	7.684	88	684	20.174	ug/l #	12
51) 4-Methyl-2-Pentanone	8.580	43	706	0.258	ug/l #	67
52) Toluene	8.720	92	1328	0.363	ug/l	76
68) m/p-Xylenes	10.299	106	1331	0.468	ug/l	94
69) o-Xylene	10.640	106	587	0.213	ug/l	87
74) N-amyl acetate	10.756	43	19516	5.938	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	54586	25.059	ug/l #	39
79) 2-Chlorotoluene	11.384	91	1050	0.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	11.079	75	54586	70.691	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	2431	0.428	ug/l	83
95) Naphthalene	13.780	128	1926	0.313	ug/l #	86

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

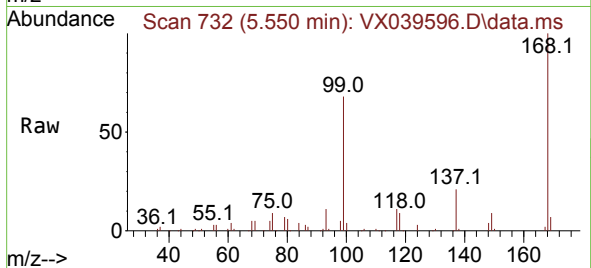
Quant Time: Jan 04 03:30:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
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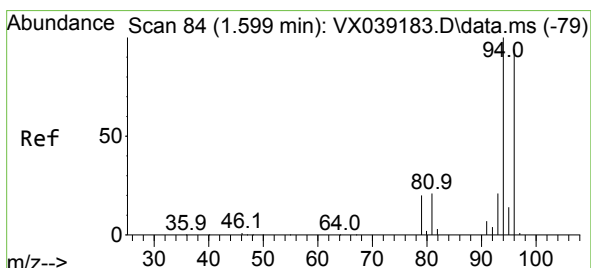
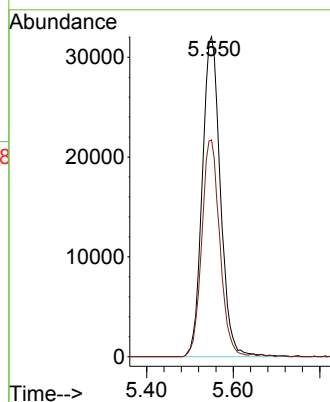
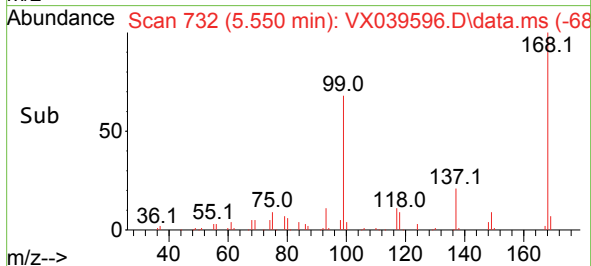


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Instrument :
MSVOA_X
ClientSampleId :

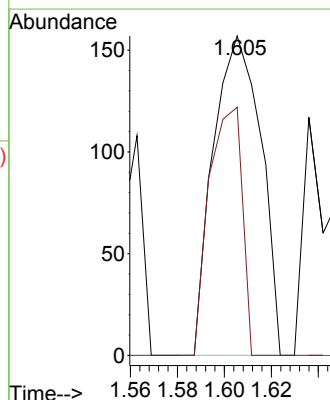
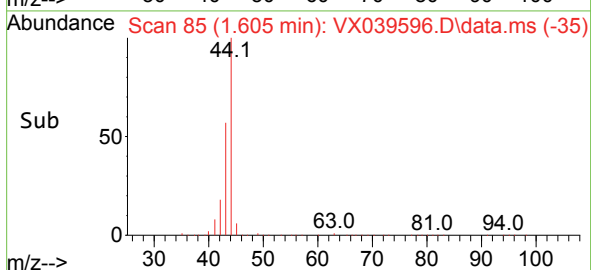
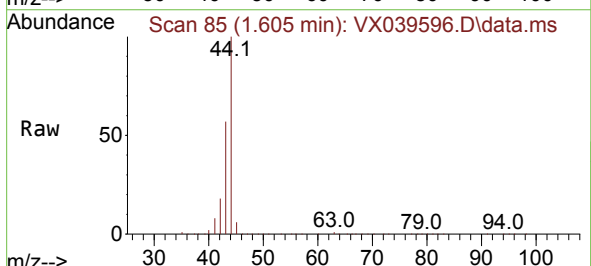


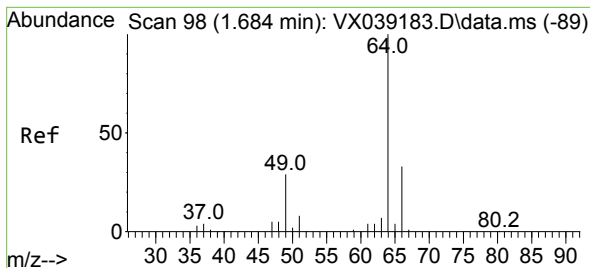
Tgt Ion:168 Resp: 93182
Ion Ratio Lower Upper
168 100
99 67.8 56.6 85.0



#5
Bromomethane
Concen: 0.285 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Tgt Ion: 94 Resp: 221
Ion Ratio Lower Upper
94 100
96 77.7 74.6 111.8





#6

Chloroethane

Concen: 0.406 ug/l

RT: 1.679 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Instrument :

MSVOA_X

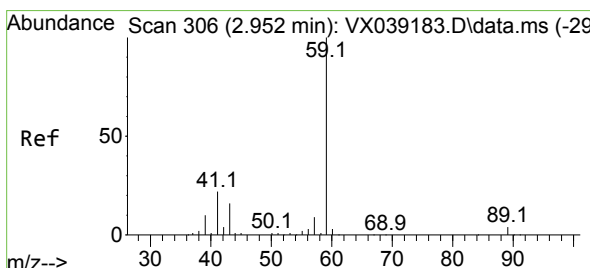
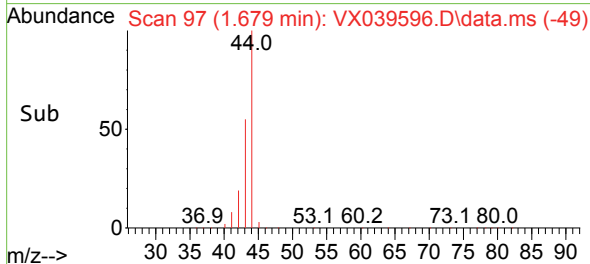
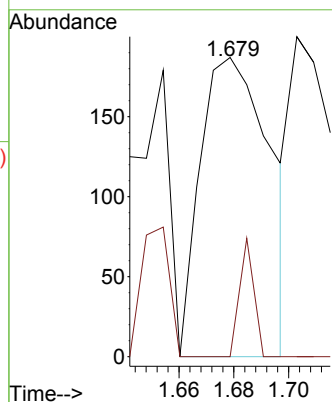
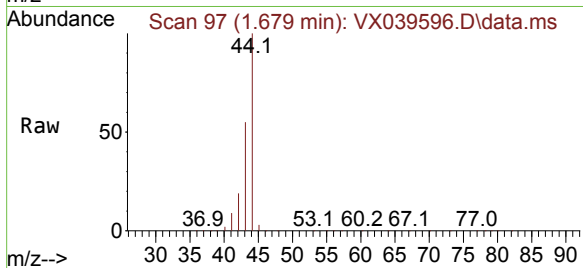
ClientSampleId :

Tgt Ion: 64 Resp: 330

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 15.737 ug/l

RT: 3.008 min Scan# 315

Delta R.T. 0.055 min

Lab File: VX039596.D

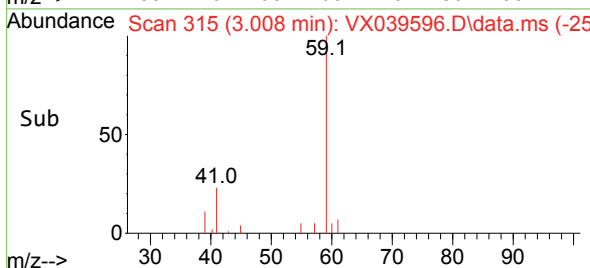
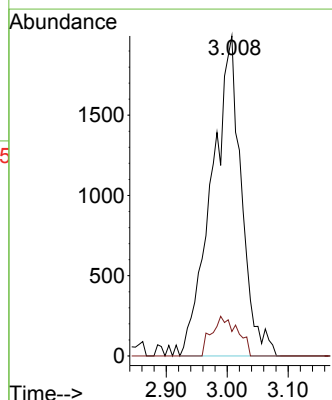
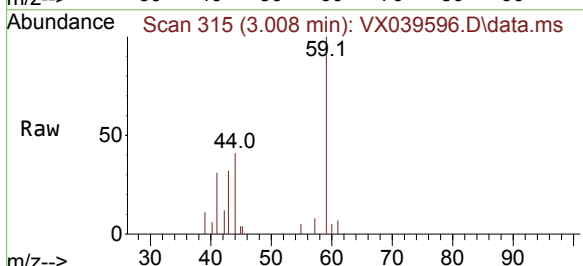
Acq: 03 Jan 2024 12:57

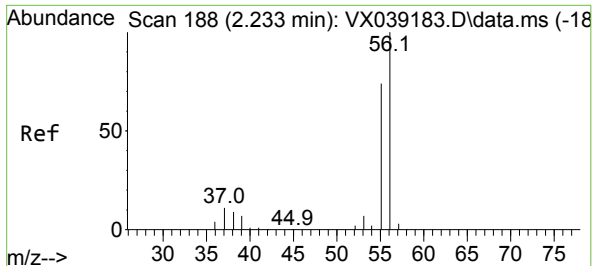
Tgt Ion: 59 Resp: 6746

Ion Ratio Lower Upper

59 100

57 10.8 6.0 9.0#





#13

Acrolein

Concen: 0.953 ug/l

RT: 2.246 min Scan# 190

Delta R.T. 0.013 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Instrument :

MSVOA_X

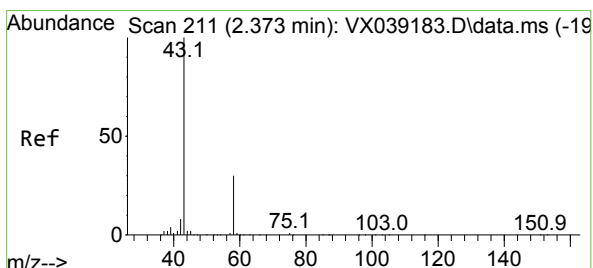
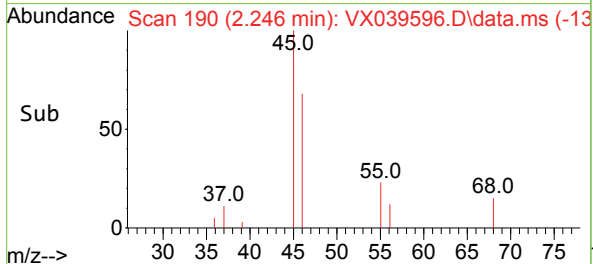
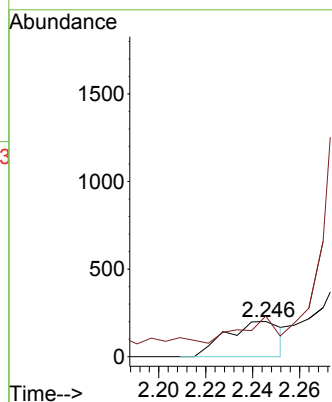
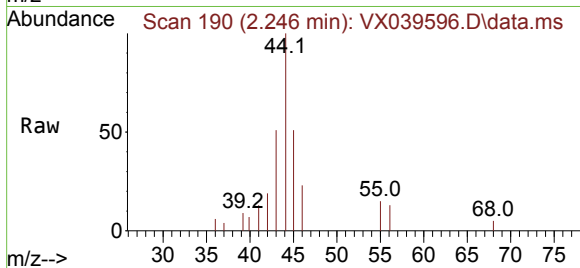
ClientSampleId :

Tgt Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 1.815 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX039596.D

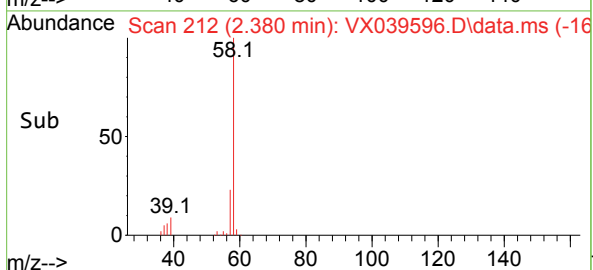
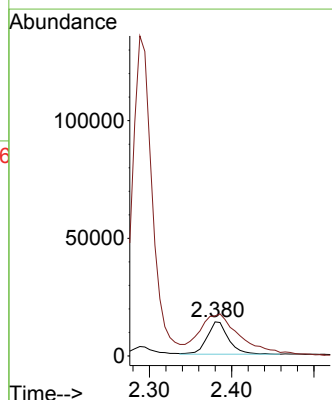
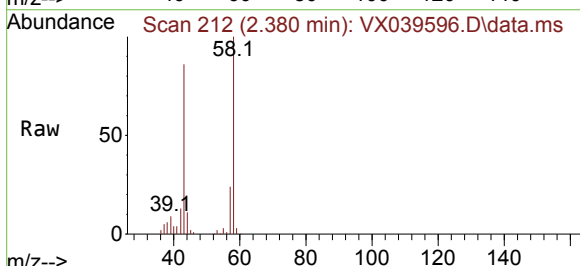
Acq: 03 Jan 2024 12:57

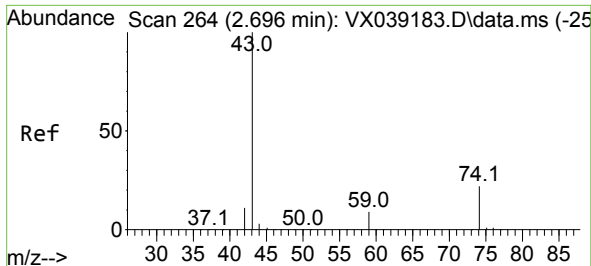
Tgt Ion: 43 Resp: 24757

Ion Ratio Lower Upper

43 100

58 112.2 21.9 32.9#





#18

Methyl Acetate

Concen: 4.952 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.013 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Instrument :

MSVOA_X

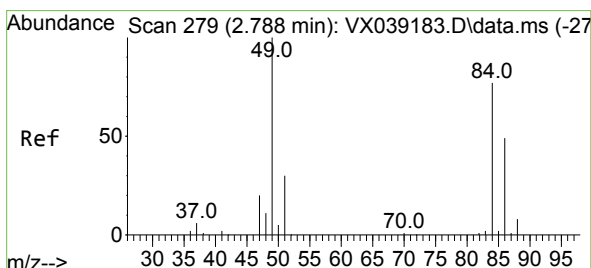
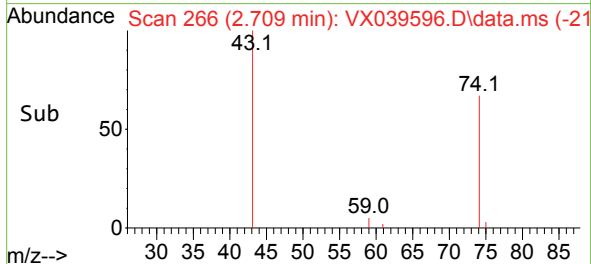
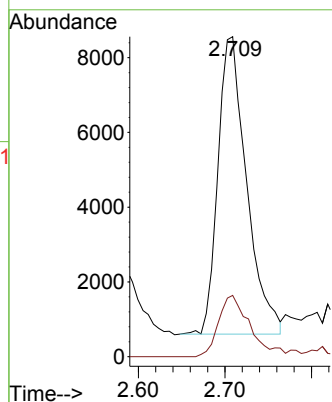
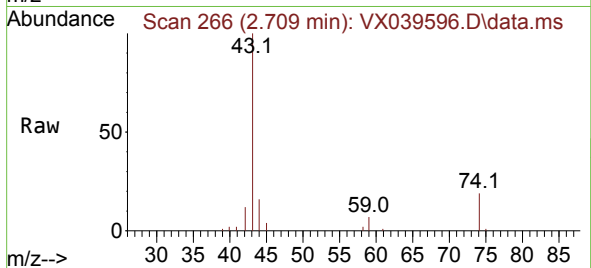
ClientSampleId :

Tgt Ion: 43 Resp: 18282

Ion Ratio Lower Upper

43 100

74 22.6 17.8 26.8



#20

Methylene Chloride

Concen: 0.338 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Tgt Ion: 84 Resp: 481

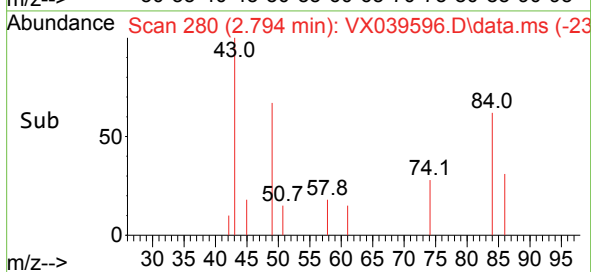
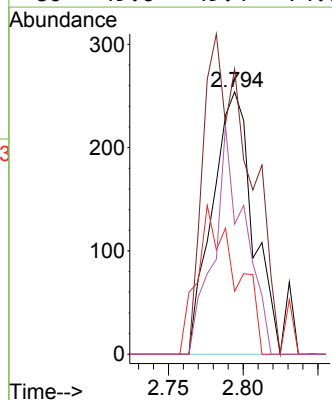
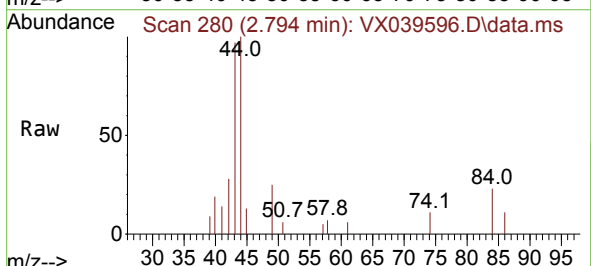
Ion Ratio Lower Upper

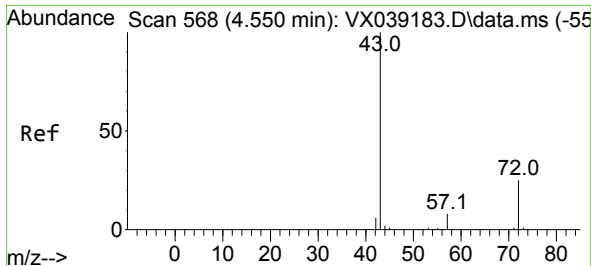
84 100

49 108.7 103.6 155.4

51 24.0 33.8 50.6#

86 49.6 49.4 74.0

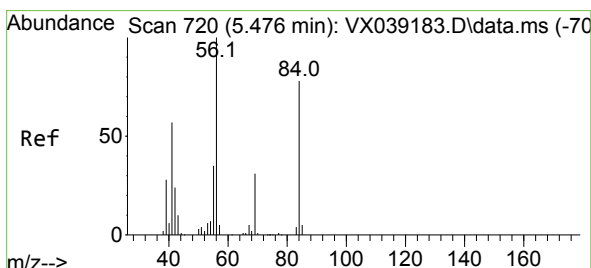
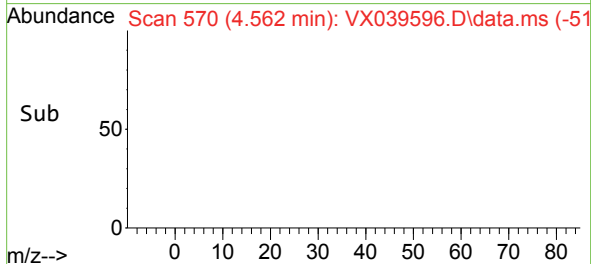
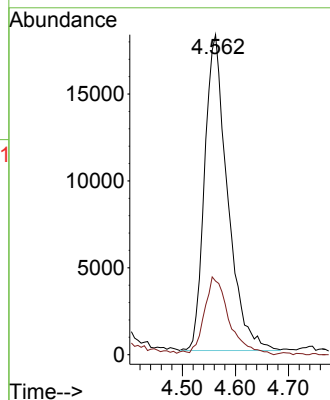
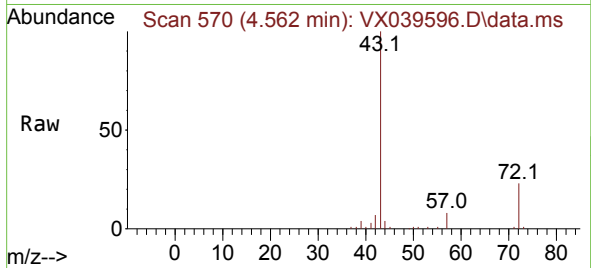




#25
2-Butanone
Concen: 37.070 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

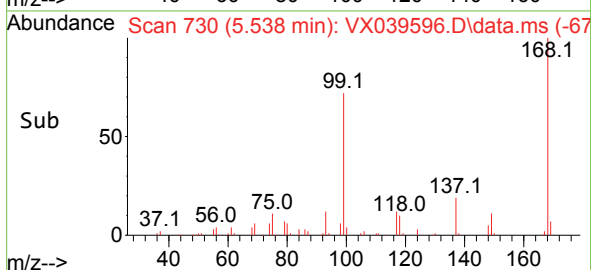
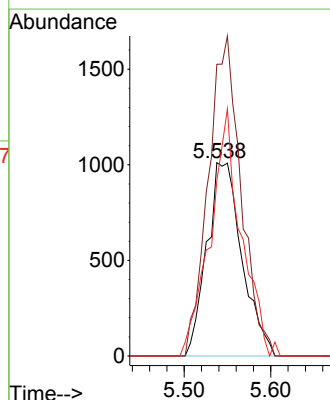
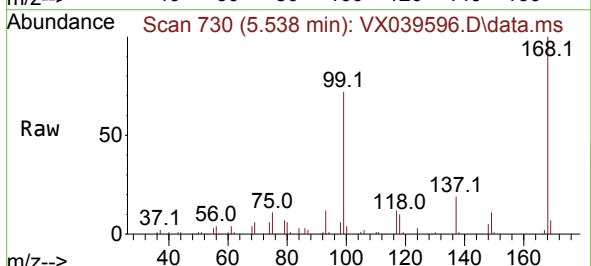
Instrument :
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ClientSampleId :

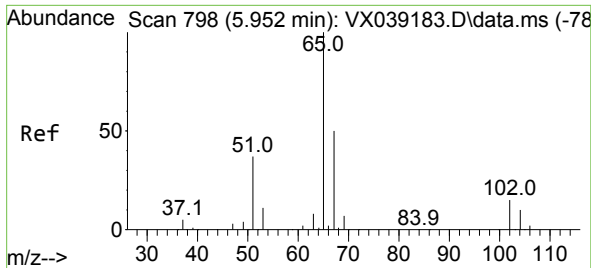
Tgt Ion: 43 Resp: 54605
Ion Ratio Lower Upper
43 100
72 22.8 19.4 29.2



#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.061 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Tgt Ion: 56 Resp: 2845
Ion Ratio Lower Upper
56 100
69 150.9 23.4 35.2#
84 90.8 65.9 98.9

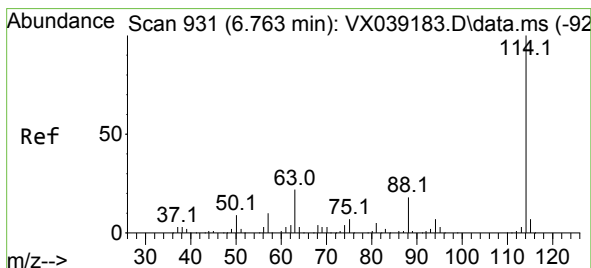
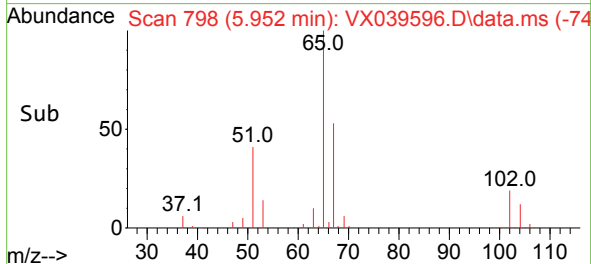
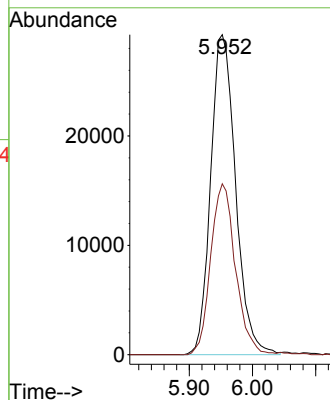
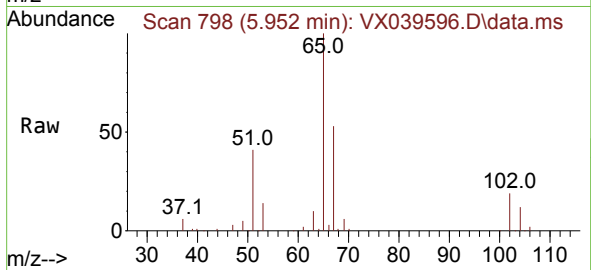




#33
 1,2-Dichloroethane-d4
 Concen: 46.902 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039596.D
 Acq: 03 Jan 2024 12:57

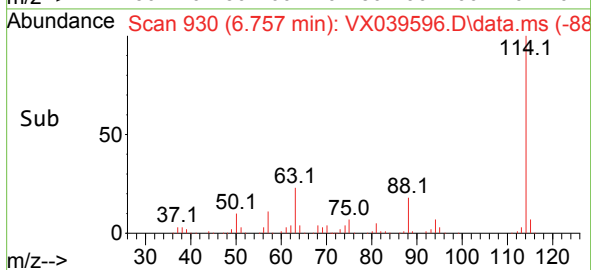
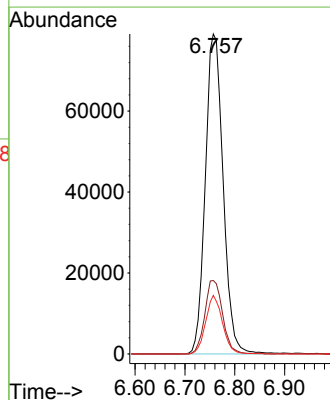
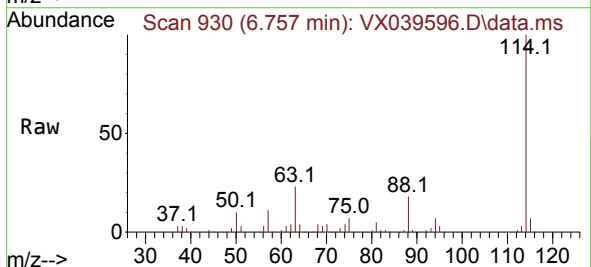
Instrument :
 MSVOA_X
 ClientSampleId :

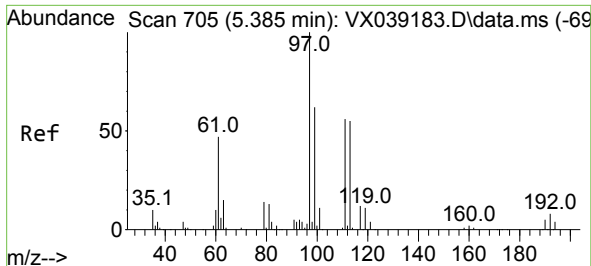
Tgt Ion: 65 Resp: 80063
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039596.D
 Acq: 03 Jan 2024 12:57

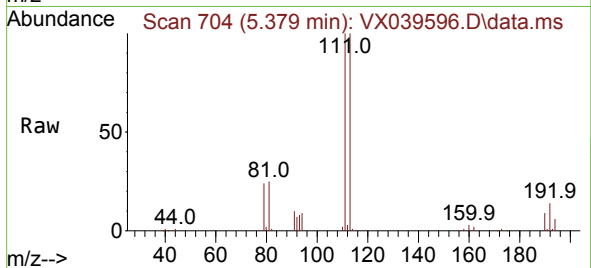
Tgt Ion: 114 Resp: 196439
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.0
 88 18.3 0.0 36.6



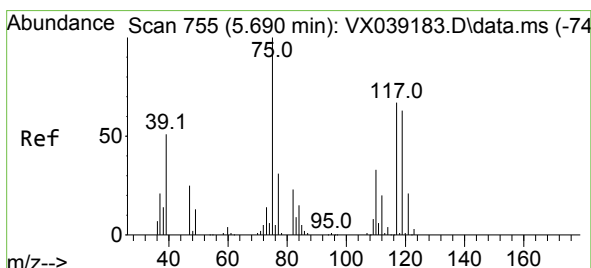
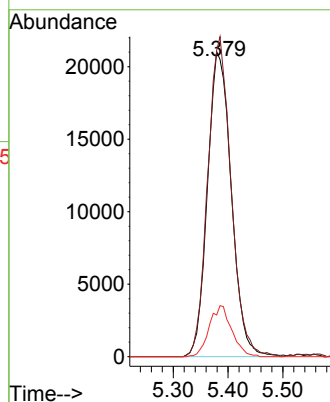
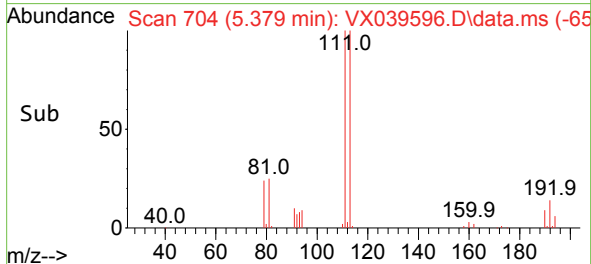


#35
Dibromofluoromethane
Concen: 46.698 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Instrument :
MSVOA_X
ClientSampleId :

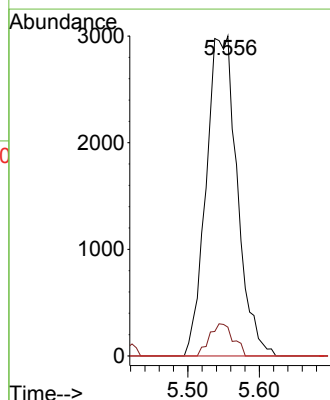
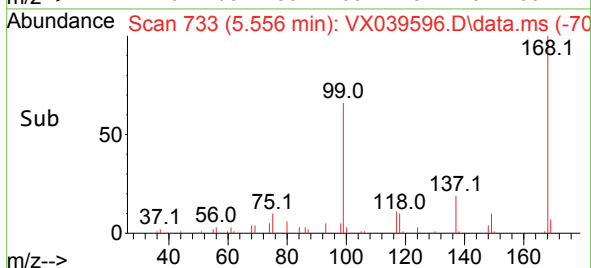
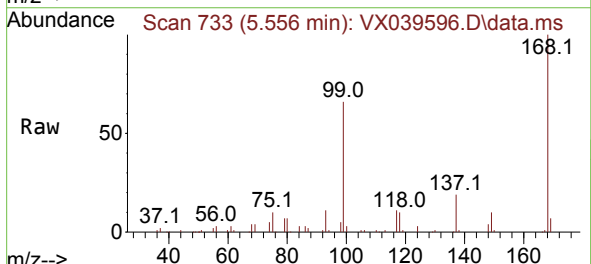


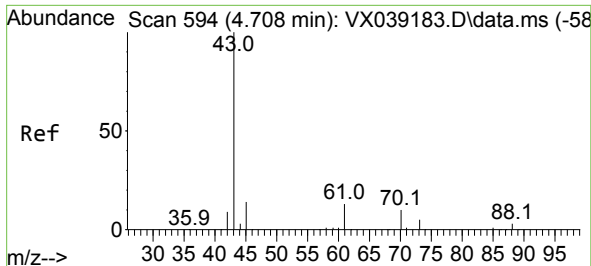
Tgt Ion:113 Resp: 63374
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 15.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.210 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Tgt Ion: 75 Resp: 9015
Ion Ratio Lower Upper
75 100
110 7.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 20.639 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

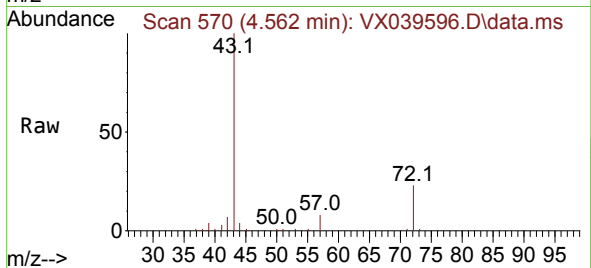
Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

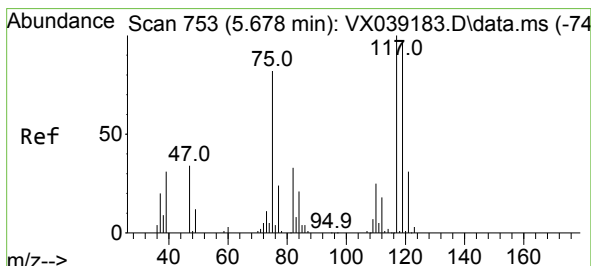
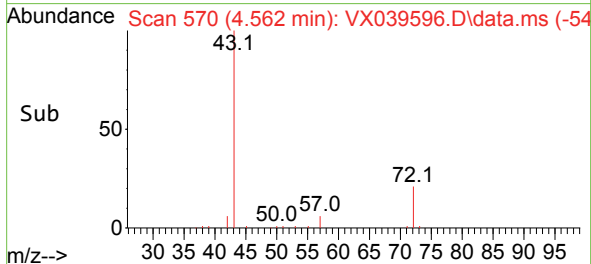
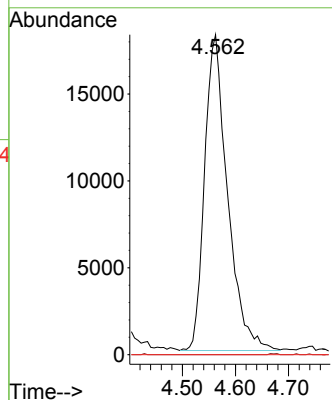
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	54605
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.236 ug/l

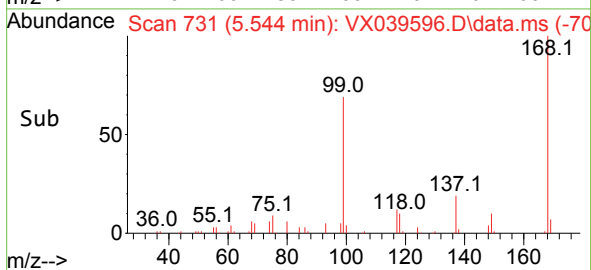
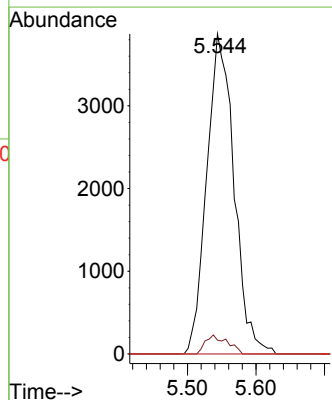
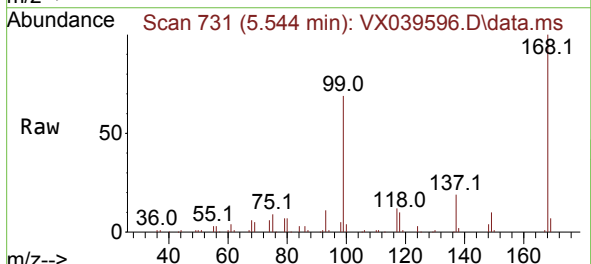
RT: 5.544 min Scan# 731

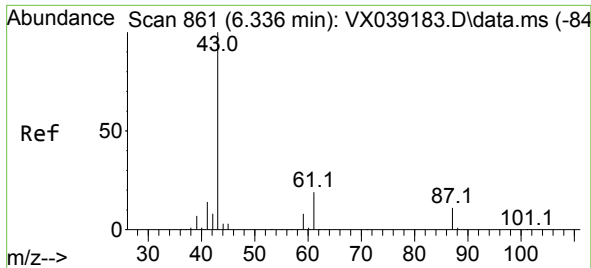
Delta R.T. -0.134 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Tgt Ion:	117	Resp:	10701
Ion	Ratio	Lower	Upper
117	100		
119	4.3	78.2	117.2#
121	0.0	24.4	36.6#

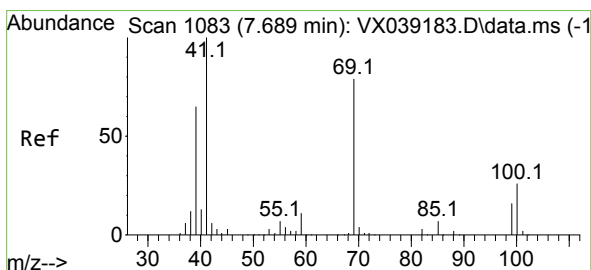
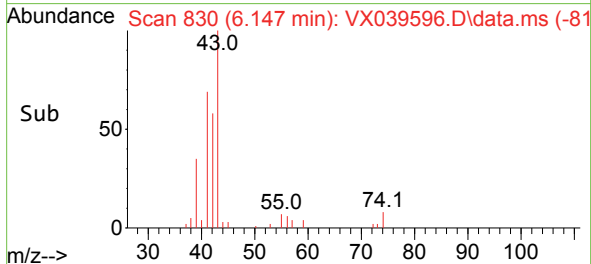
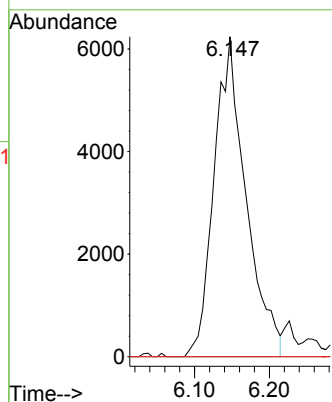
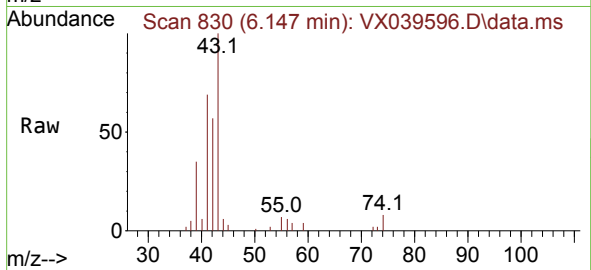




#43
Isopropyl Acetate
Concen: 4.297 ug/l
RT: 6.147 min Scan# 81
Delta R.T. -0.189 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

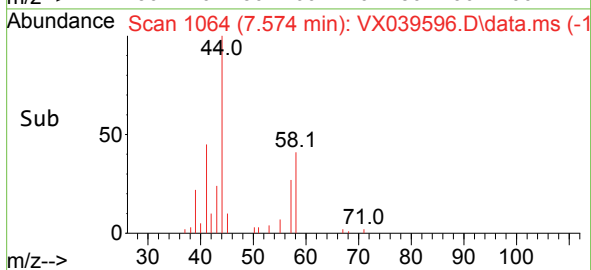
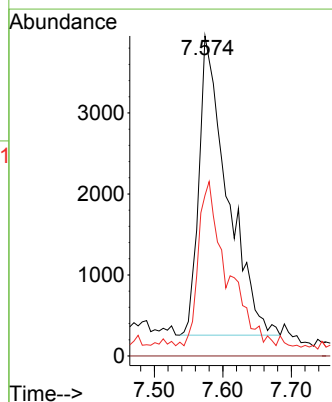
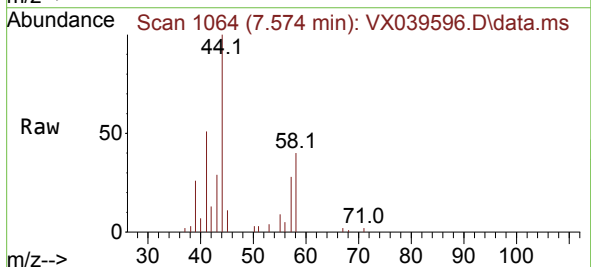
Instrument :
MSVOA_X
ClientSampleId :

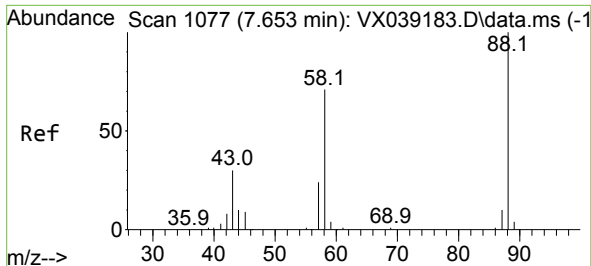
Tgt Ion: 43 Resp: 18487
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#48
Methyl methacrylate
Concen: 4.231 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.115 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

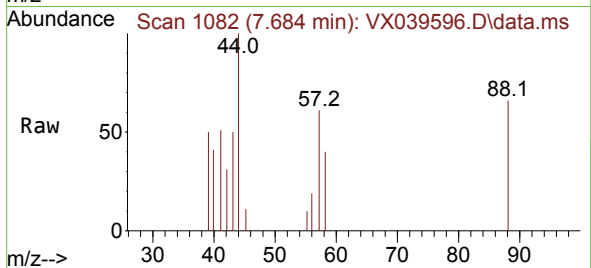
Tgt Ion: 41 Resp: 10643
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 54.9 47.7 71.5





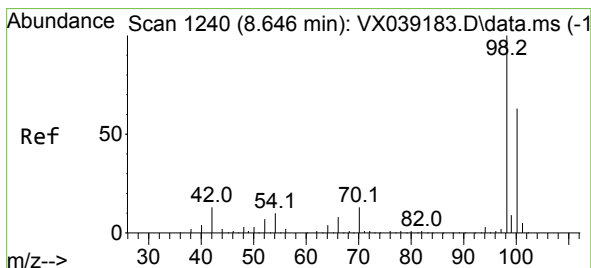
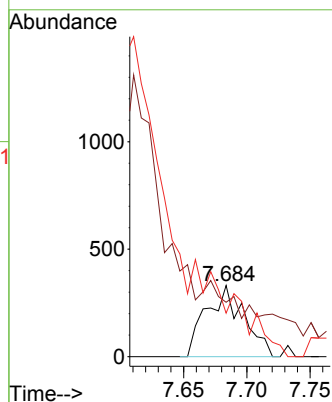
#49
 1,4-Dioxane
 Concen: 20.174 ug/l
 RT: 7.684 min Scan# 1077
 Delta R.T. 0.031 min
 Lab File: VX039596.D
 Acq: 03 Jan 2024 12:57

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 88 Resp: 684

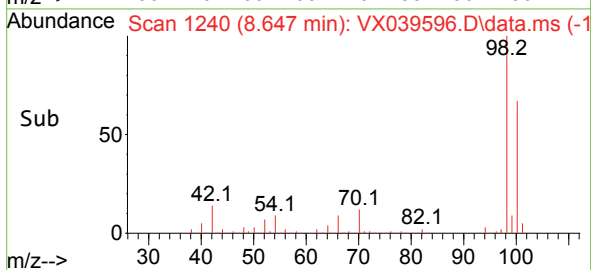
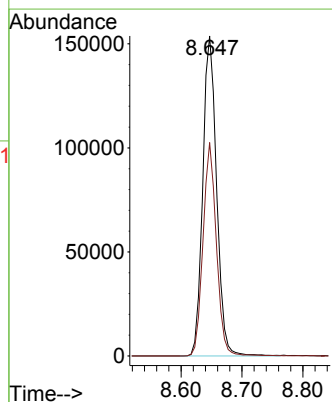
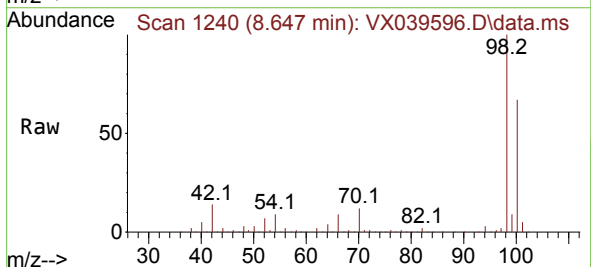
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	0.0	60.1	90.1

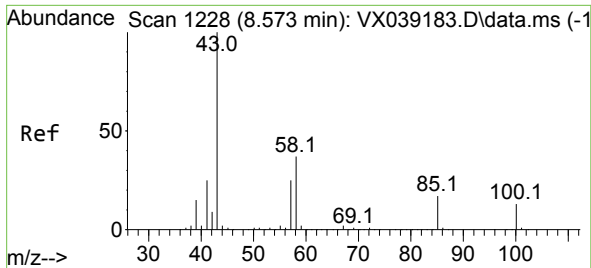


#50
 Toluene-d8
 Concen: 48.292 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX039596.D
 Acq: 03 Jan 2024 12:57

Tgt Ion: 98 Resp: 243308

Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.1	79.7

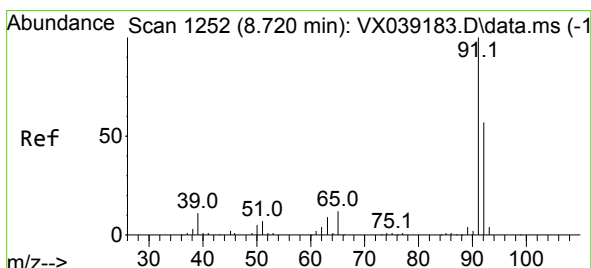
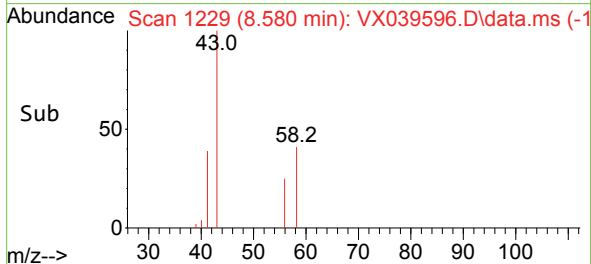
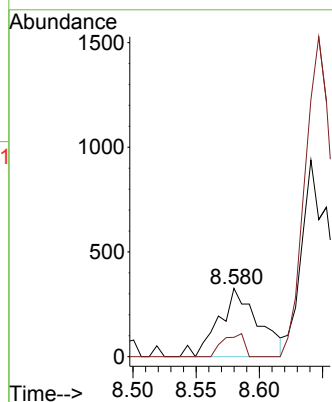
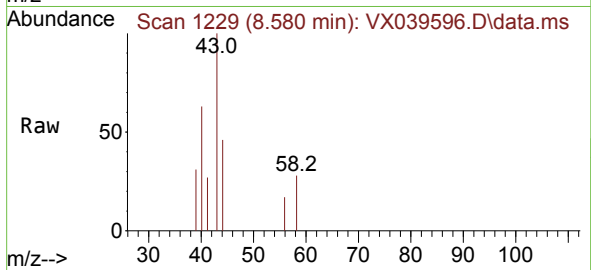




#51
4-Methyl-2-Pentanone
Concen: 0.258 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

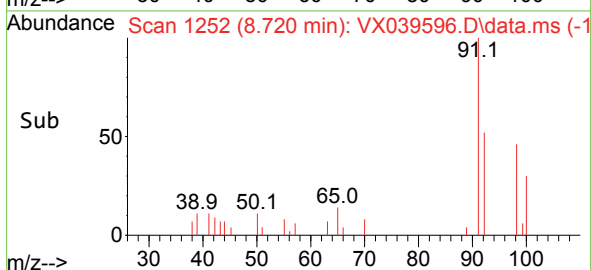
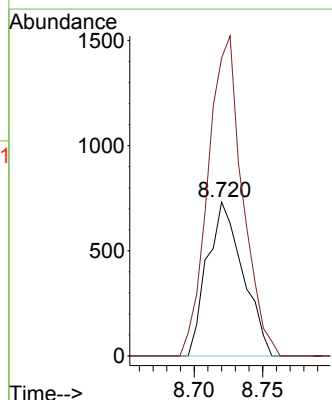
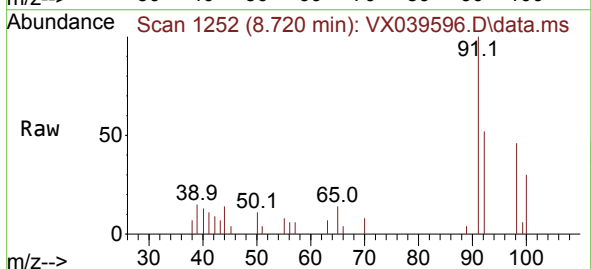
Instrument :
MSVOA_X
ClientSampleId :

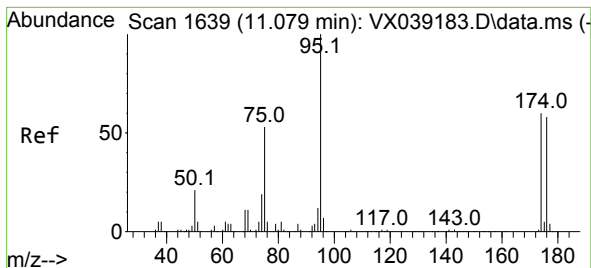
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
58 18.1 30.4 45.6#



#52
Toluene
Concen: 0.363 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Tgt Ion: 92 Resp: 1328
Ion Ratio Lower Upper
92 100
91 200.8 134.2 201.2

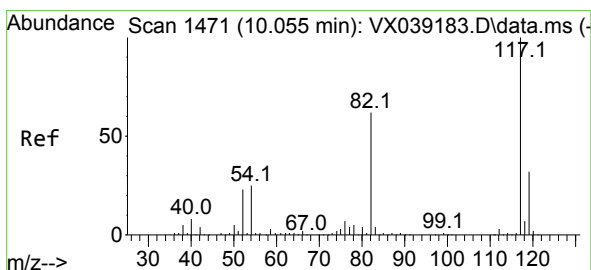
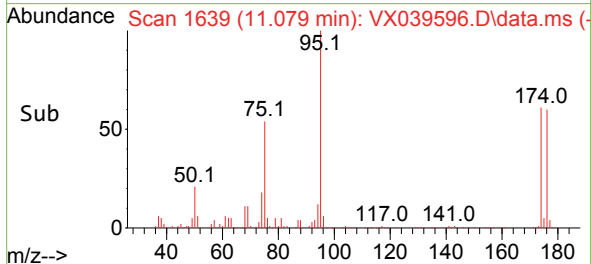
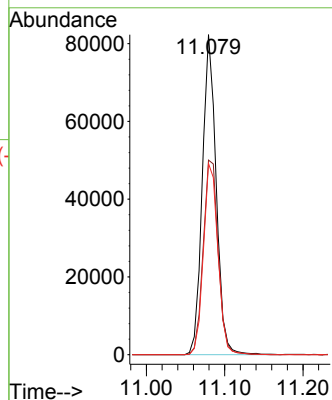
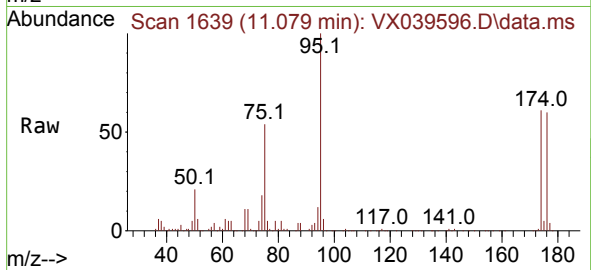




#62
4-Bromofluorobenzene
Concen: 48.658 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

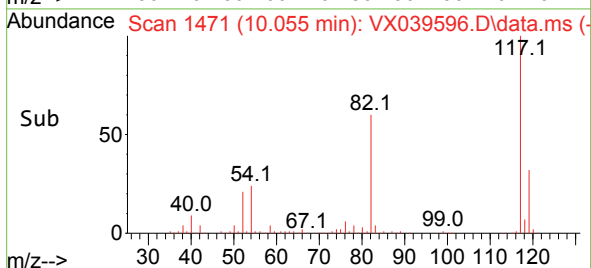
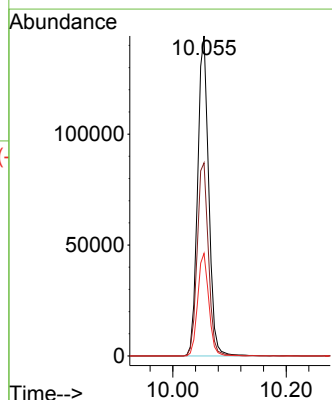
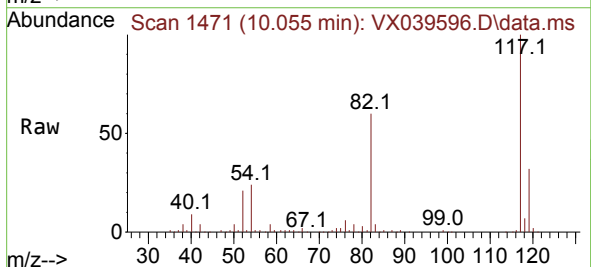
Instrument :
MSVOA_X
ClientSampleId :

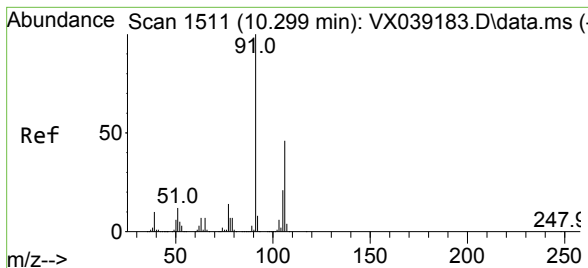
Tgt Ion: 95 Resp: 101149
Ion Ratio Lower Upper
95 100
174 65.7 0.0 135.6
176 62.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Tgt Ion: 117 Resp: 195424
Ion Ratio Lower Upper
117 100
82 60.4 46.2 69.4
119 32.0 25.5 38.3

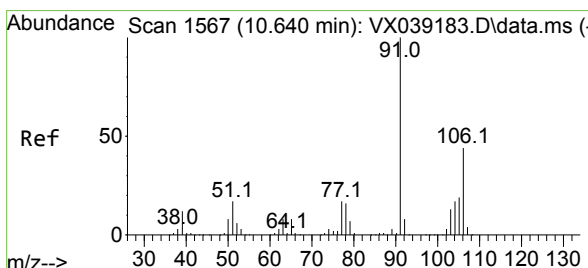
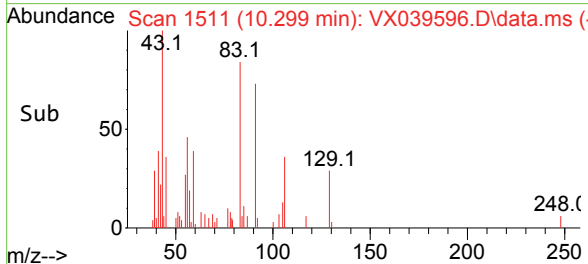
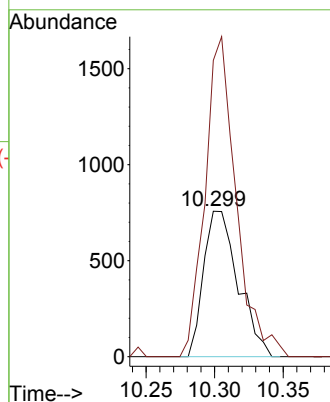
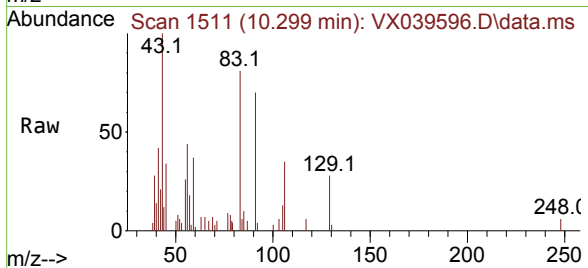




#68
m/p-Xylenes
Concen: 0.468 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

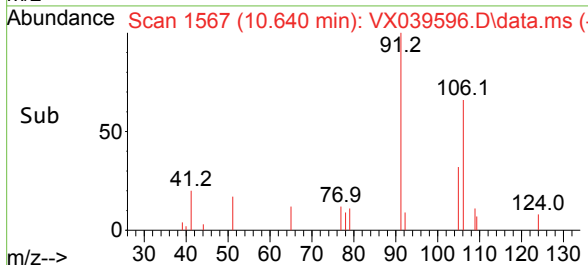
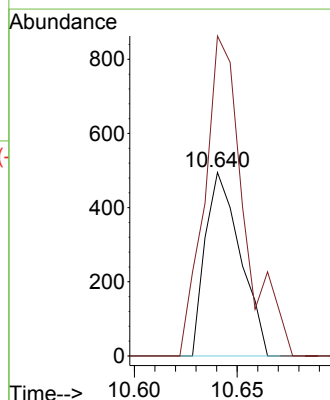
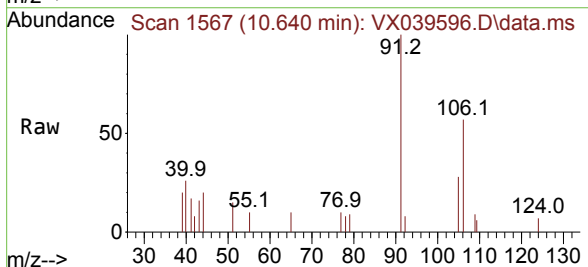
Instrument :
MSVOA_X
ClientSampleId :

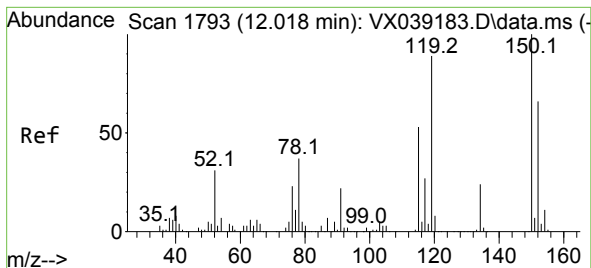
Tgt Ion:106 Resp: 1331
Ion Ratio Lower Upper
106 100
91 197.8 165.5 248.3



#69
o-Xylene
Concen: 0.213 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Tgt Ion:106 Resp: 587
Ion Ratio Lower Upper
106 100
91 196.9 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Instrument :

MSVOA_X

ClientSampleId :

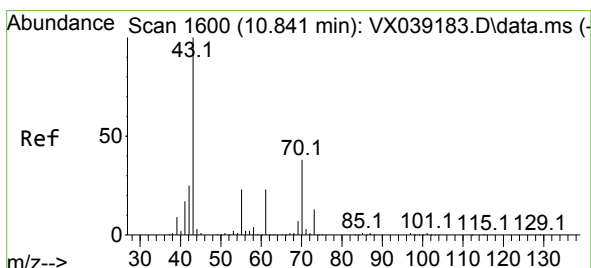
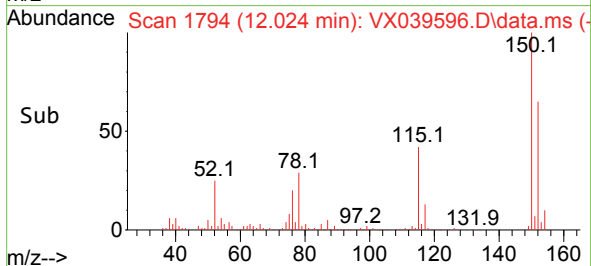
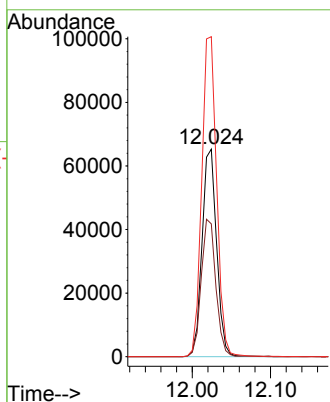
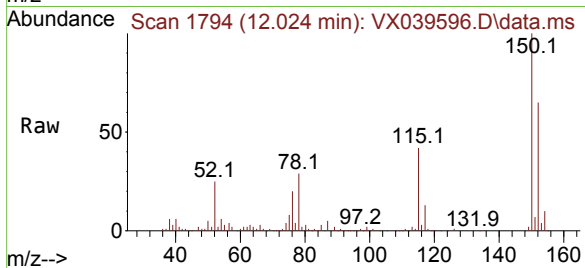
Tgt Ion:152 Resp: 84197

Ion Ratio Lower Upper

152 100

115 66.6 43.3 129.9

150 158.0 0.0 345.0



#74

N-ethyl acetate

Concen: 5.938 ug/l

RT: 10.756 min Scan# 1586

Delta R.T. -0.085 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Tgt Ion: 43 Resp: 19516

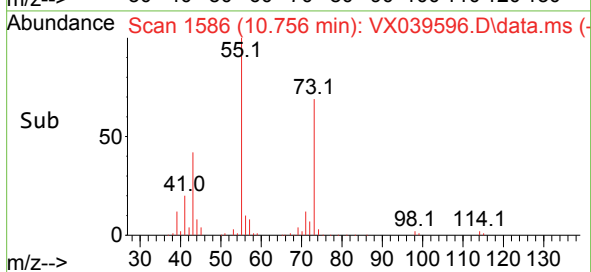
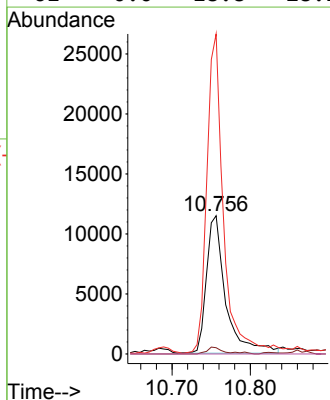
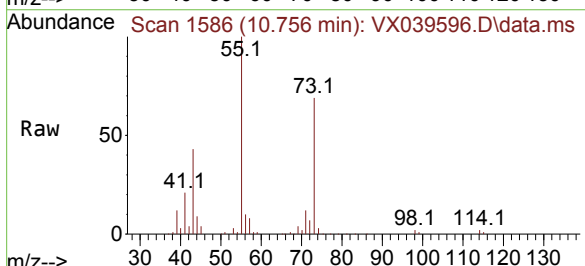
Ion Ratio Lower Upper

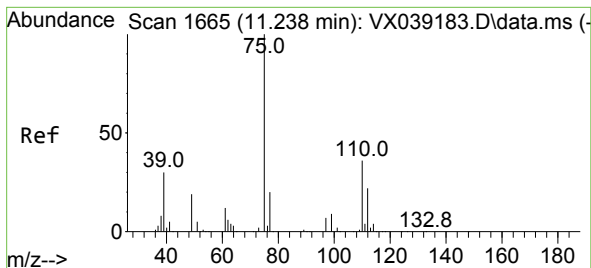
43 100

70 3.7 32.9 49.3#

55 201.9 19.3 28.9#

61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.059 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039596.D

Acq: 03 Jan 2024 12:57

Instrument :

MSVOA_X

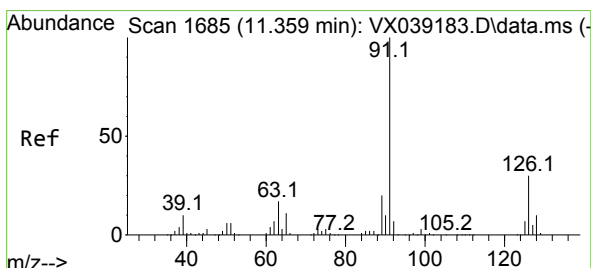
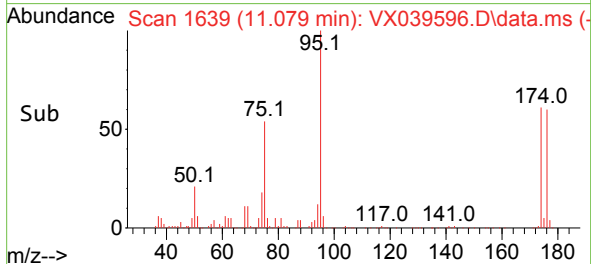
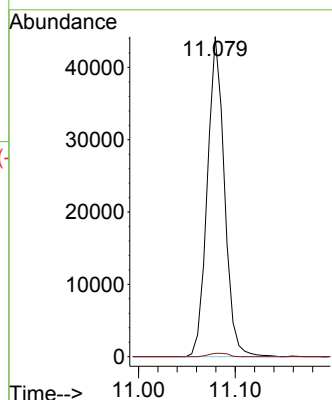
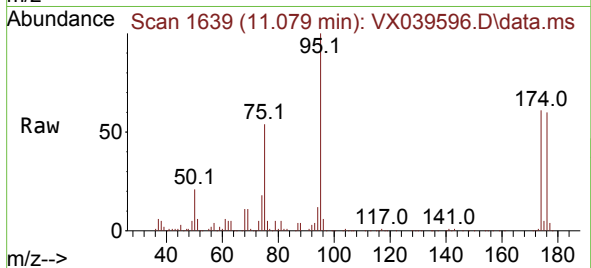
ClientSampleId :

Tgt Ion: 75 Resp: 54586

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#79

2-Chlorotoluene

Concen: 0.217 ug/l

RT: 11.384 min Scan# 1689

Delta R.T. 0.025 min

Lab File: VX039596.D

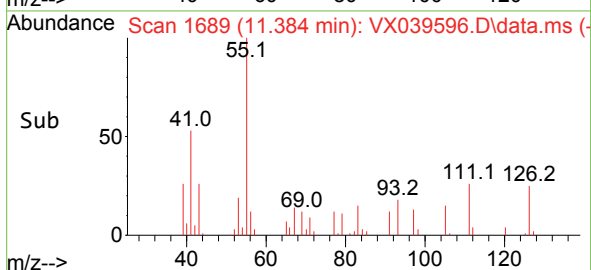
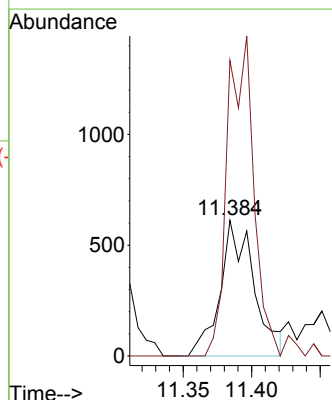
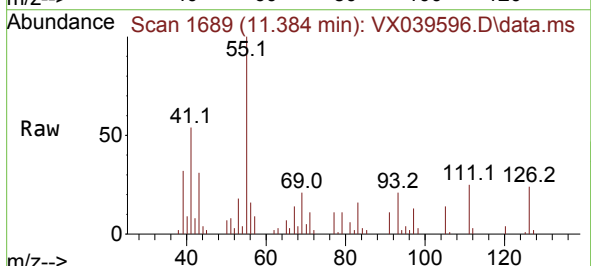
Acq: 03 Jan 2024 12:57

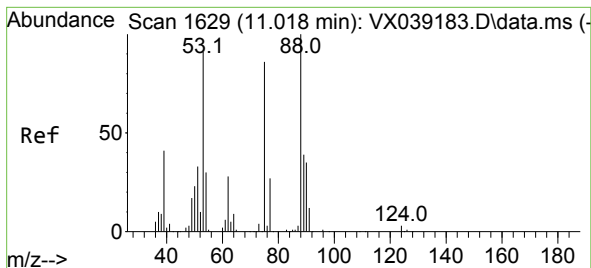
Tgt Ion: 91 Resp: 1050

Ion Ratio Lower Upper

91 100

126 183.0 16.3 48.8#

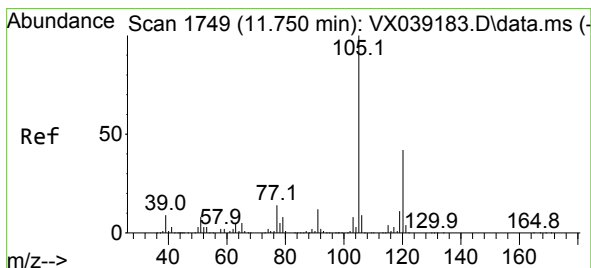
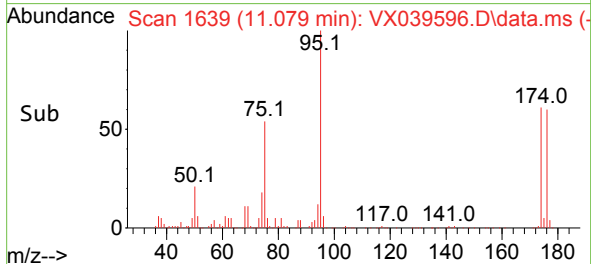
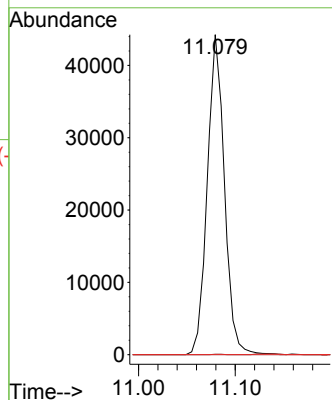
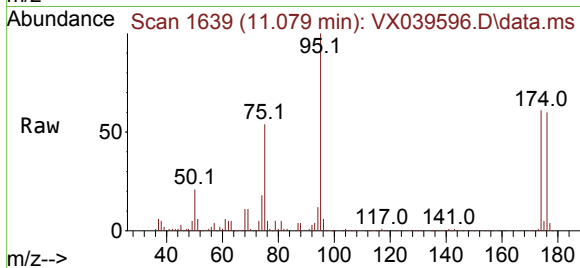




#81
trans-1,4-Dichloro-2-butene
Concen: 70.691 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

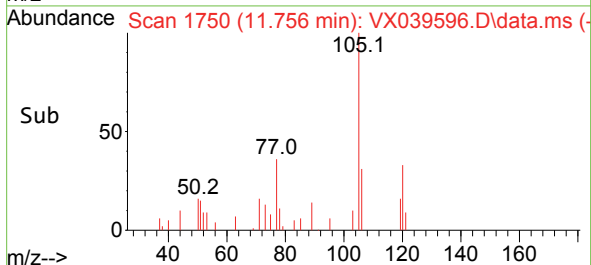
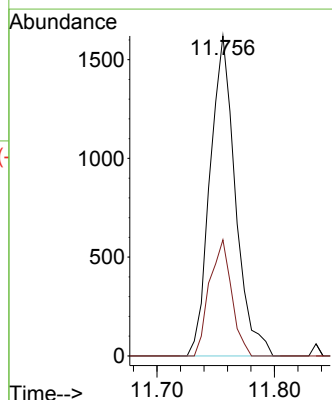
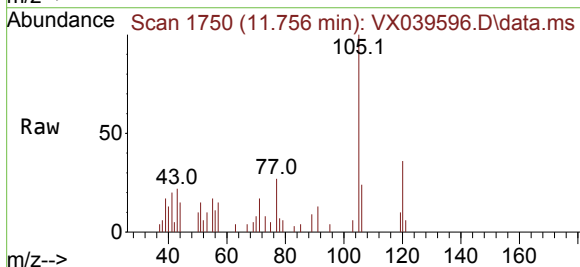
Instrument :
MSVOA_X
ClientSampleId :

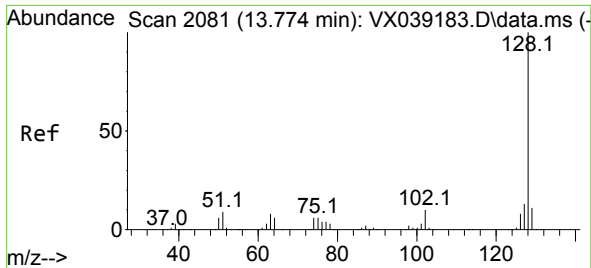
Tgt Ion: 75 Resp: 54586
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.428 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

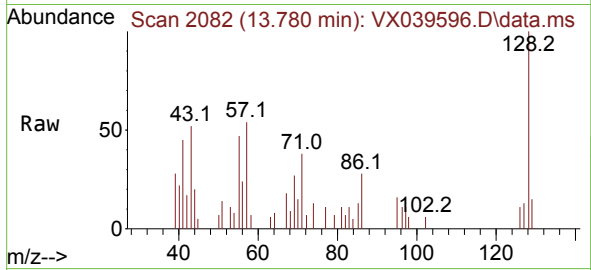
Tgt Ion:105 Resp: 2431
Ion Ratio Lower Upper
105 100
120 31.6 21.2 63.6





#95
Naphthalene
Concen: 0.313 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX039596.D
Acq: 03 Jan 2024 12:57

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1926
Ion Ratio Lower Upper
128 100
127 5.5 10.3 15.5#
129 14.1 8.8 13.2#

