

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010824\
 Data File : VX039659.D
 Acq On : 08 Jan 2024 12:26
 Operator : JC/MD
 Sample : P1015-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 04:33:20 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)

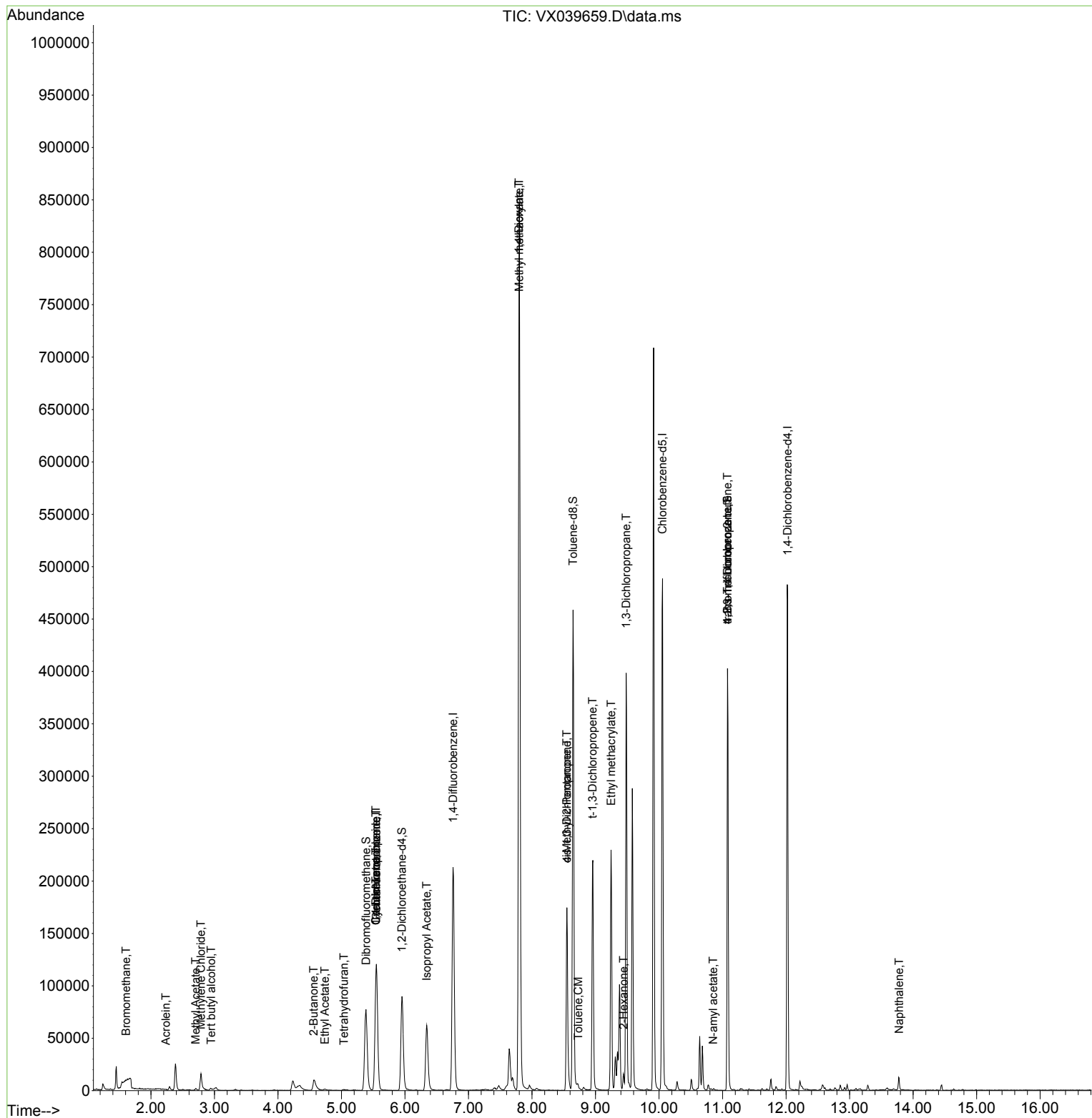
Internal Standards						
1) Pentafluorobenzene	5.550	168	107173	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85881	43.742	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.480%		
35) Dibromofluoromethane	5.385	113	67105	46.274	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.540%		
50) Toluene-d8	8.647	98	262391	48.738	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.480%		
62) 4-Bromofluorobenzene	11.079	95	108546	48.866	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.740%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	420	0.470	ug/l	99
11) Tert butyl alcohol	2.946	59	1002	2.032	ug/l #	78
13) Acrolein	2.233	56	240	0.610	ug/l	95
16) Acetone	2.386	43	26340	Below Cal	#	87
18) Methyl Acetate	2.703	43	2264	0.533	ug/l	99
20) Methylene Chloride	2.788	84	7697	4.703	ug/l	95
25) 2-Butanone	4.562	43	22575	13.325	ug/l	98
29) Tetrahydrofuran	5.038	42	657	0.702	ug/l #	59
31) Cyclohexane	5.544	56	2901	1.144	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10271	4.488	ug/l #	50
37) Ethyl Acetate	4.739	43	2066	0.731	ug/l #	77
38) Carbon Tetrachloride	5.544	117	11882	5.441	ug/l #	14
43) Isopropyl Acetate	6.342	43	91264	19.851	ug/l	99
48) Methyl methacrylate	7.799	41	80811	30.066	ug/l #	48
49) 1,4-Dioxane	7.793	88	24	0.662	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	67096	22.906	ug/l #	47
52) Toluene	8.726	92	1391	0.356	ug/l	86
53) t-1,3-Dichloropropene	8.952	75	621	0.242	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27001	9.761	ug/l #	59
56) Ethyl methacrylate	9.244	69	500	0.251	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3253	1.154	ug/l #	42
59) 2-Hexanone	9.439	43	8559	3.386	ug/l	99
74) N-amyl acetate	10.854	43	956	0.266	ug/l #	74
76) 1,2,3-Trichloropropane	11.079	75	59053	24.778	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59053	69.897	ug/l #	5
95) Naphthalene	13.780	128	7697	1.142	ug/l	99

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

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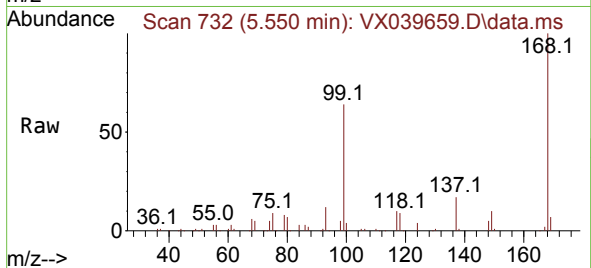


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

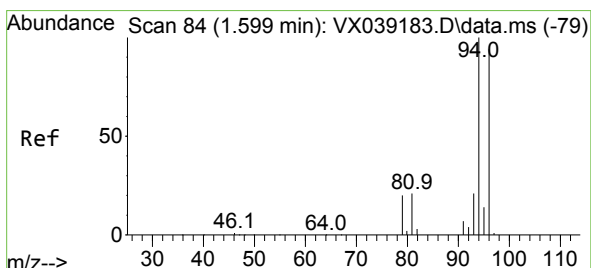
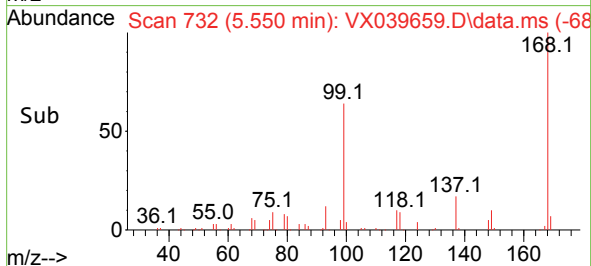
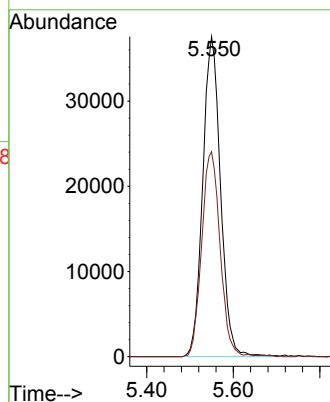
Instrument :

MSVOA_X

ClientSampleId :

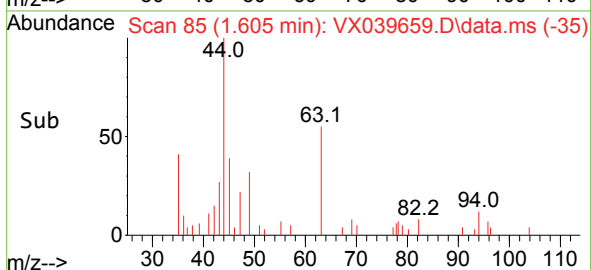
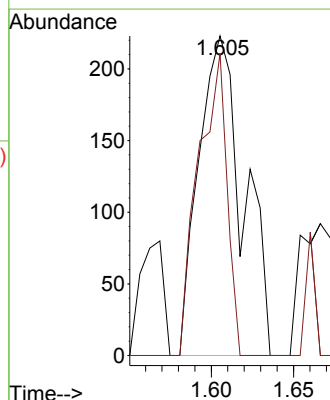
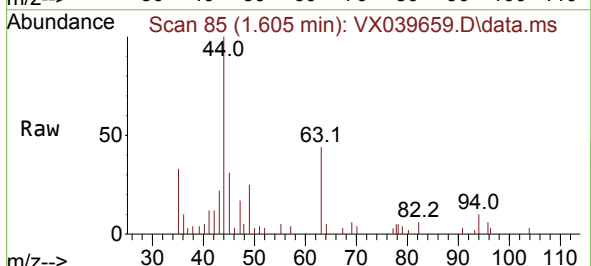


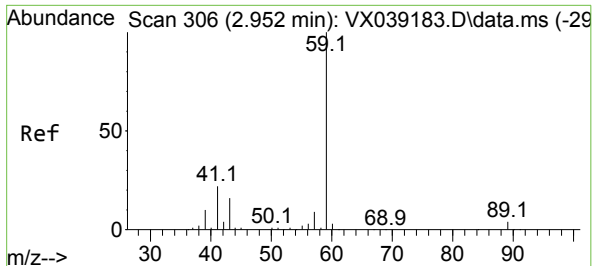
Tgt Ion:168 Resp: 107173
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#5
Bromomethane
Concen: 0.470 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

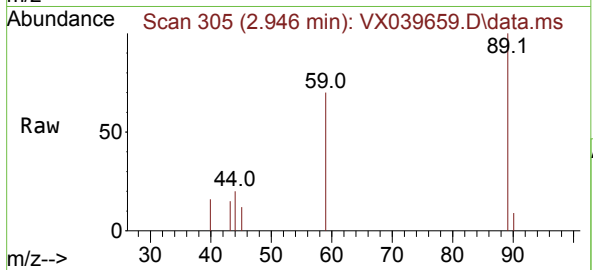
Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 94.6 74.6 111.8



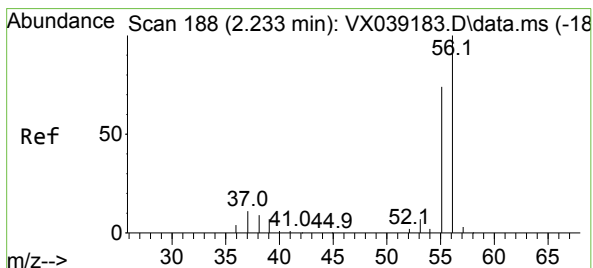
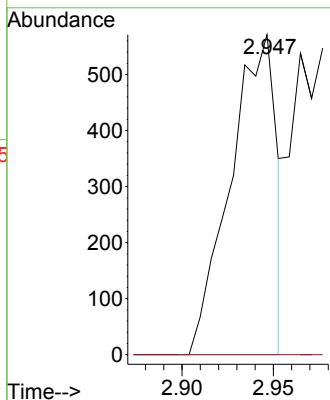
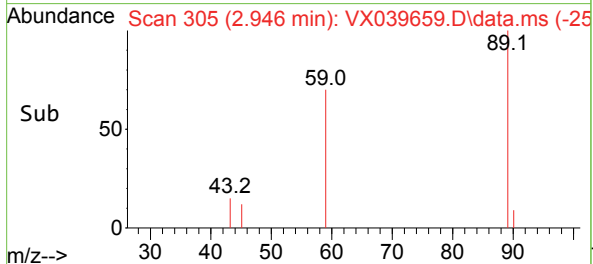


#11
Tert butyl alcohol
Concen: 2.032 ug/l
RT: 2.946 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

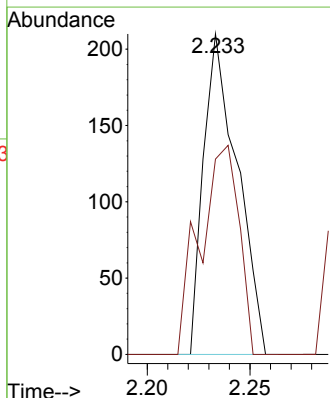
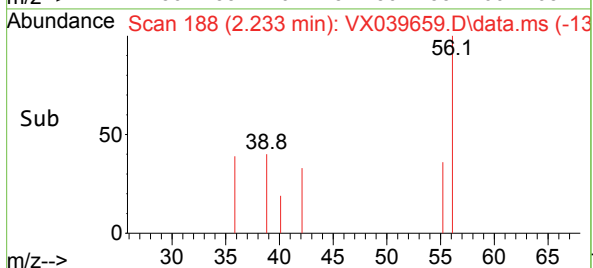
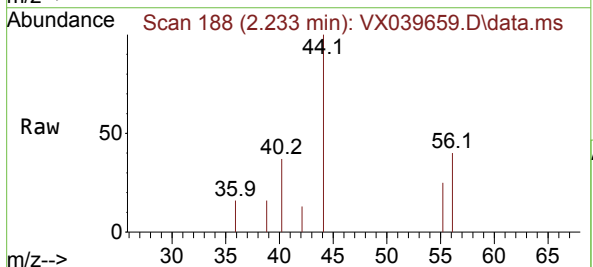


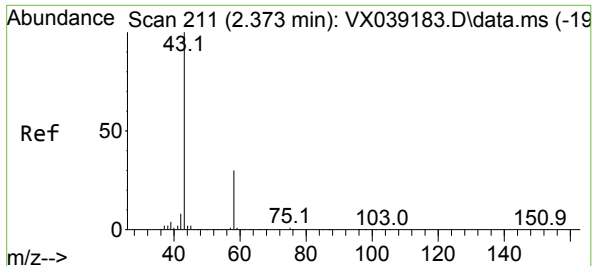
Tgt Ion: 59 Resp: 1002
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.610 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 75.4 57.1 85.7





#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 211

Delta R.T. 0.013 min

Lab File: VX039659.D

Acq: 08 Jan 2024 12:26

Instrument :

MSVOA_X

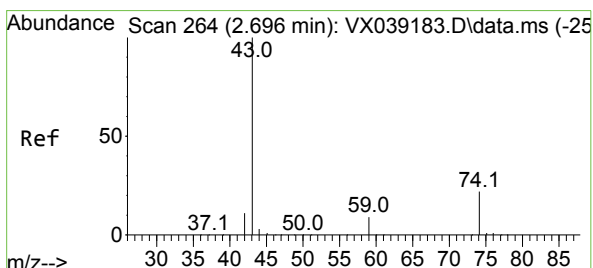
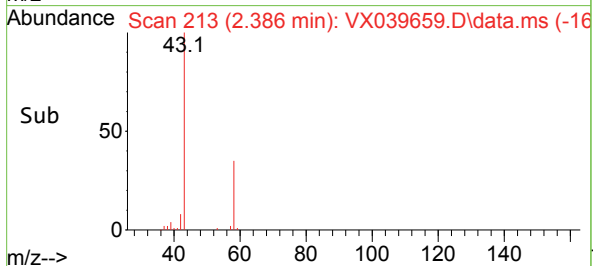
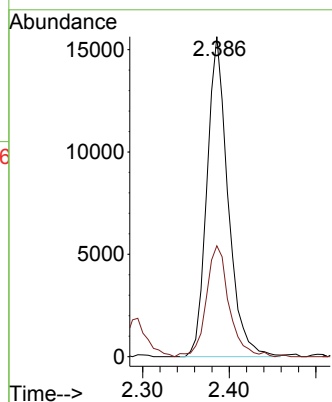
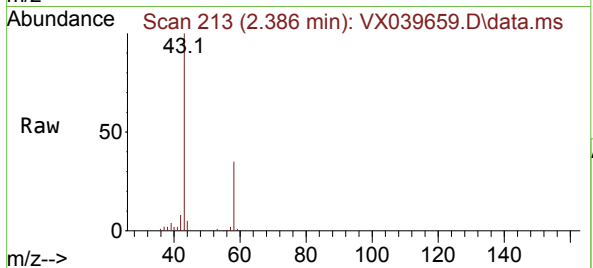
ClientSampleId :

Tgt Ion: 43 Resp: 26340

Ion Ratio Lower Upper

43 100

58 34.3 21.9 32.9#



#18

Methyl Acetate

Concen: 0.533 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX039659.D

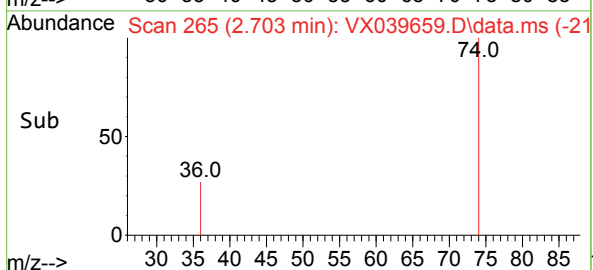
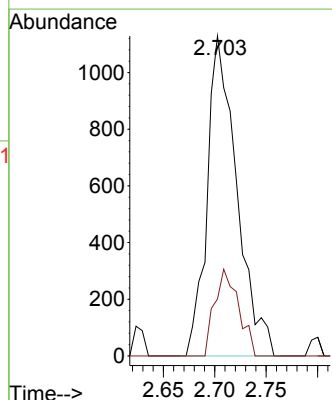
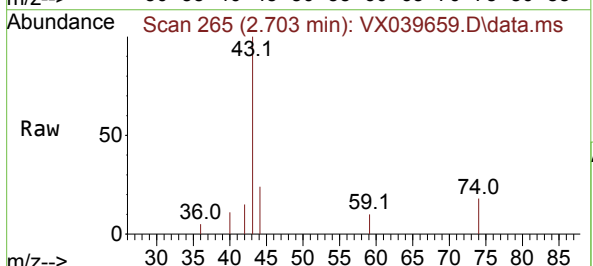
Acq: 08 Jan 2024 12:26

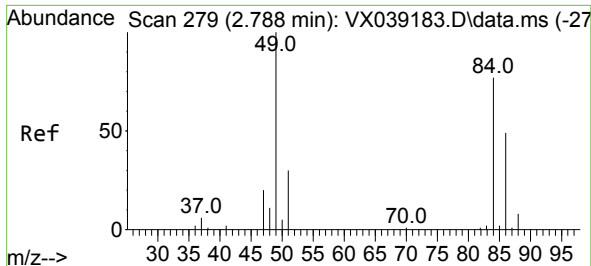
Tgt Ion: 43 Resp: 2264

Ion Ratio Lower Upper

43 100

74 21.8 17.8 26.8





#20

Methylene Chloride

Concen: 4.703 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

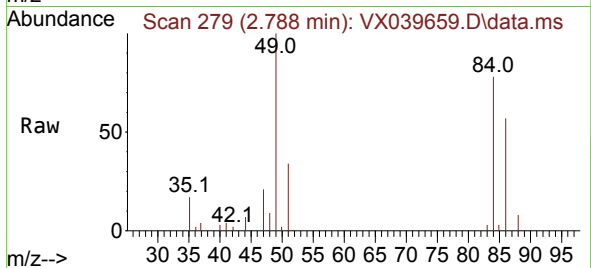
Lab File: VX039659.D

Acq: 08 Jan 2024 12:26

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7697

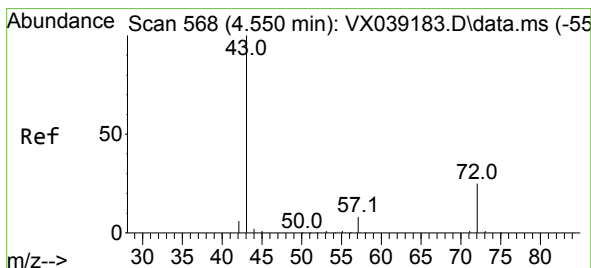
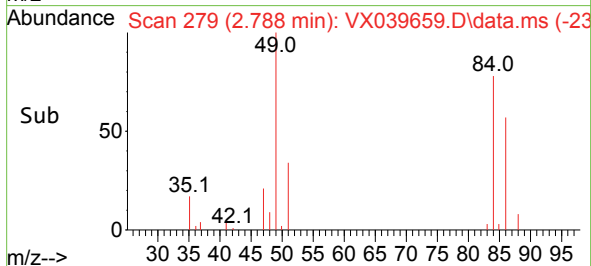
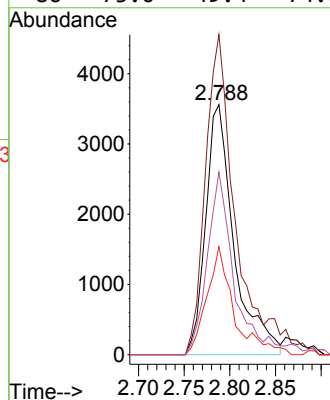
Ion Ratio Lower Upper

84 100

49 128.0 103.6 155.4

51 43.2 33.8 50.6

86 73.0 49.4 74.0



#25

2-Butanone

Concen: 13.325 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX039659.D

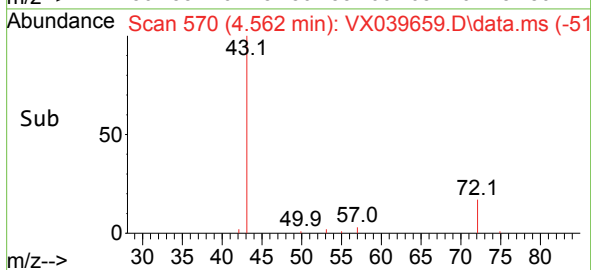
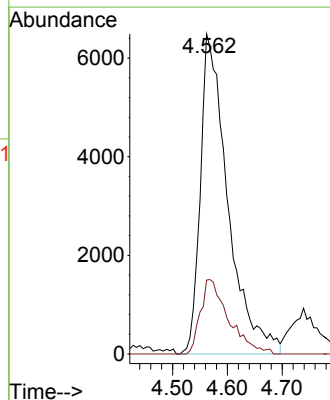
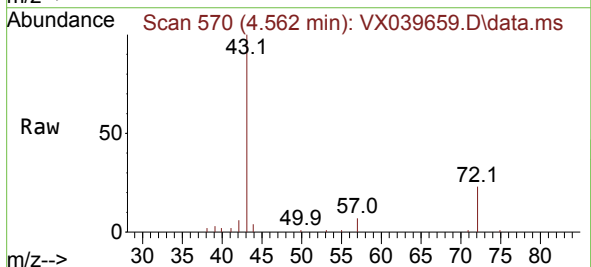
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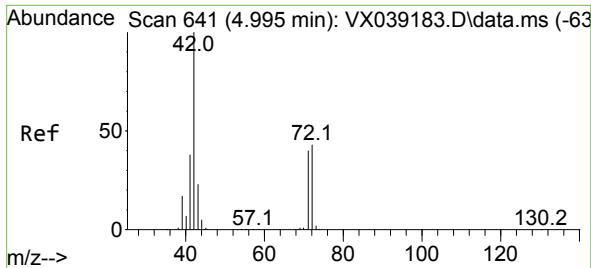
Tgt Ion: 43 Resp: 22575

Ion Ratio Lower Upper

43 100

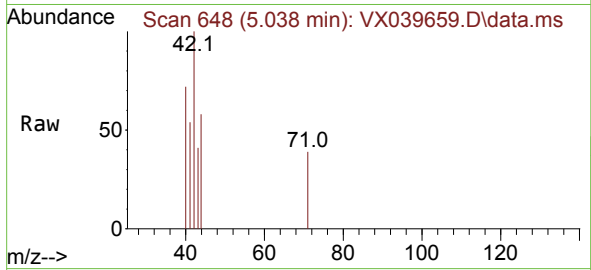
72 23.1 19.4 29.2



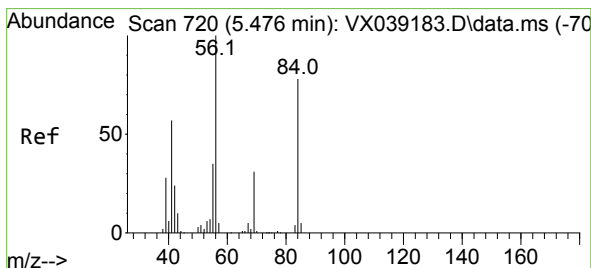
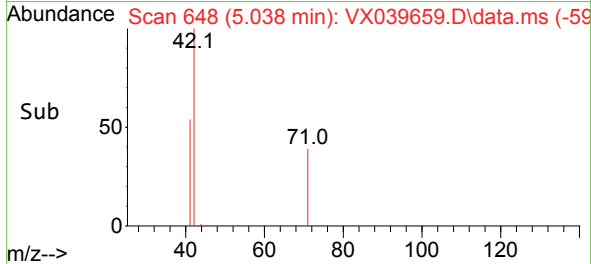
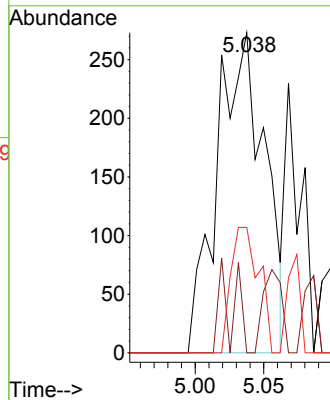


#29
Tetrahydrofuran
Concen: 0.702 ug/l
RT: 5.038 min Scan# 641
Delta R.T. 0.043 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

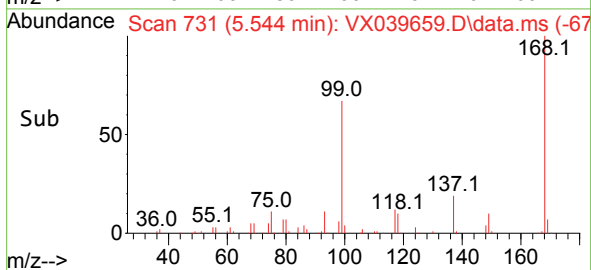
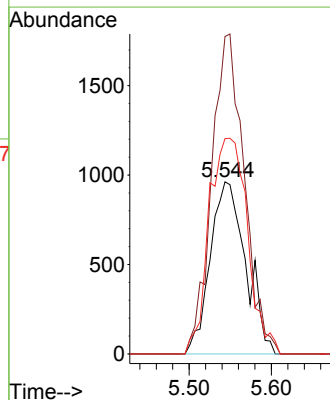
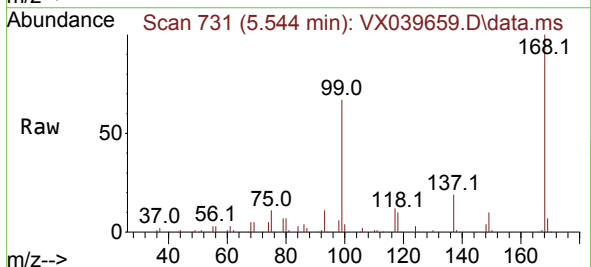


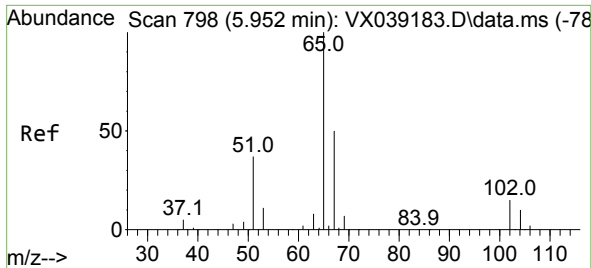
Tgt Ion: 42 Resp: 657
Ion Ratio Lower Upper
42 100
72 8.8 34.2 51.4#
71 23.3 32.2 48.2#



#31
Cyclohexane
Concen: 1.144 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.067 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Tgt Ion: 56 Resp: 2901
Ion Ratio Lower Upper
56 100
69 184.5 23.4 35.2#
84 125.2 65.9 98.9#

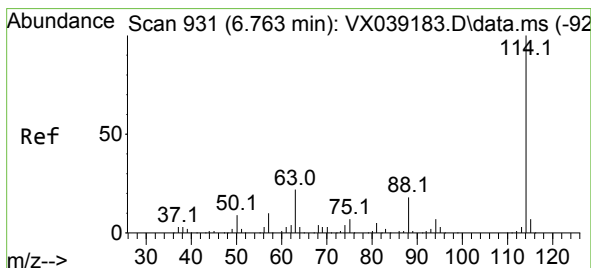
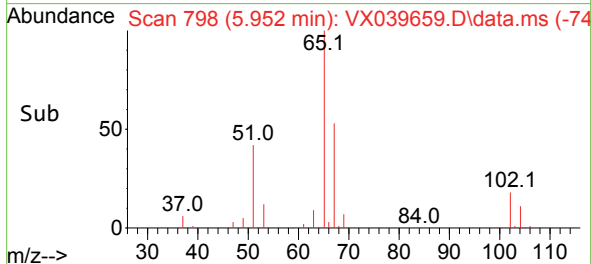
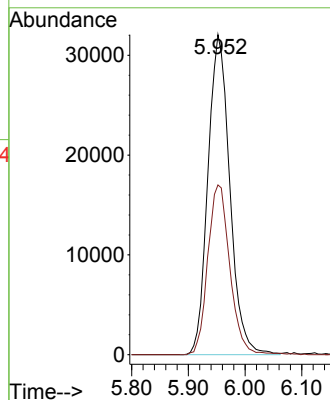
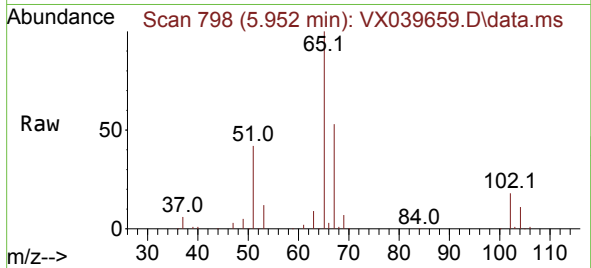




#33
 1,2-Dichloroethane-d4
 Concen: 43.742 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039659.D
 Acq: 08 Jan 2024 12:26

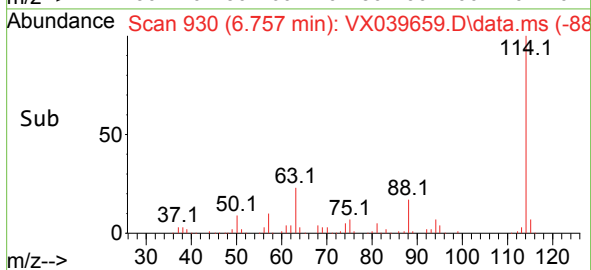
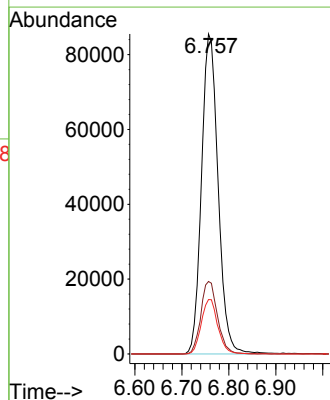
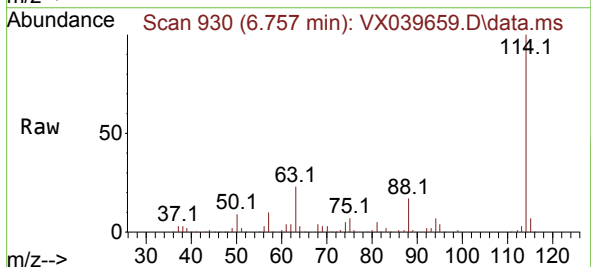
Instrument :
 MSVOA_X
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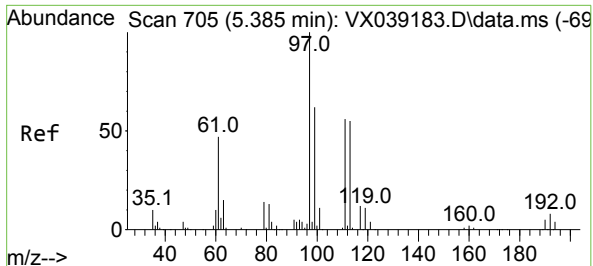
Tgt Ion: 65 Resp: 85881
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039659.D
 Acq: 08 Jan 2024 12:26

Tgt Ion: 114 Resp: 209910
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 45.0
 88 17.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.274 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

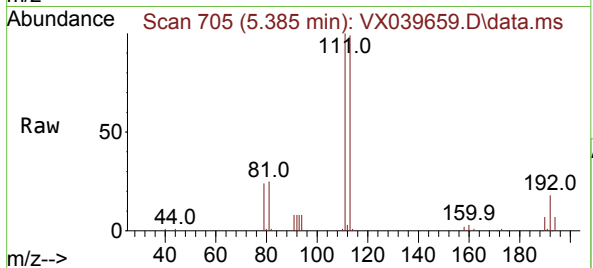
Lab File: VX039659.D

Acq: 08 Jan 2024 12:26

Instrument :

MSVOA_X

ClientSampleId :



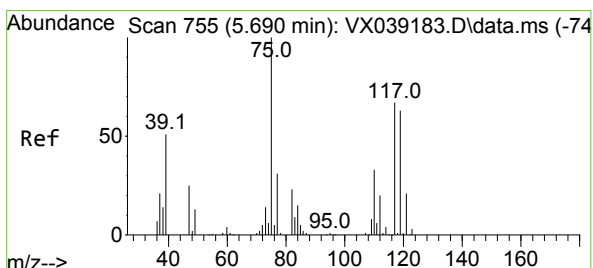
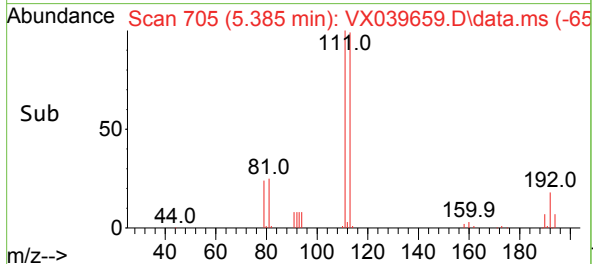
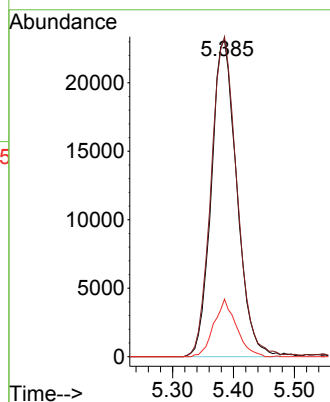
Tgt Ion:113 Resp: 67105

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 16.0 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.488 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX039659.D

Acq: 08 Jan 2024 12:26

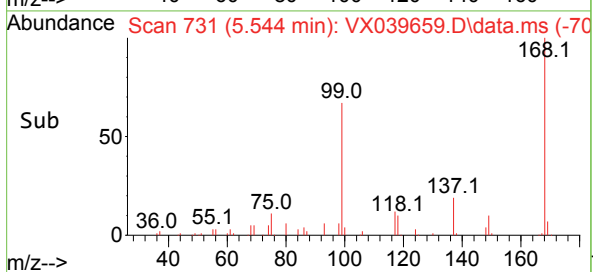
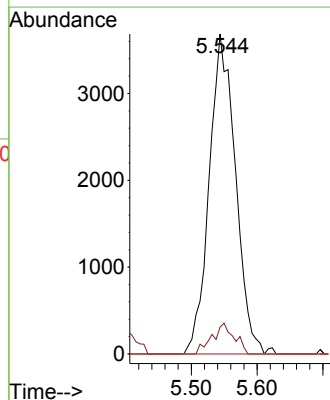
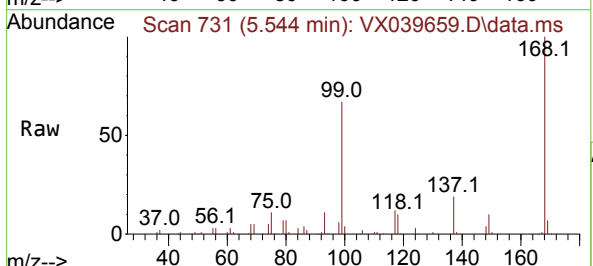
Tgt Ion: 75 Resp: 10271

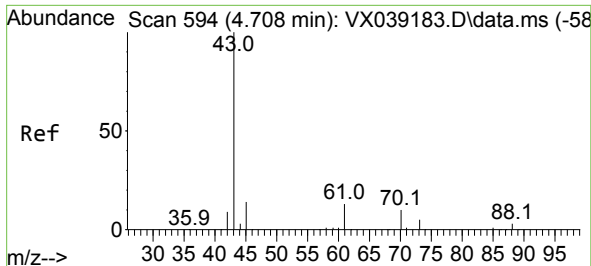
Ion Ratio Lower Upper

75 100

110 8.1 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.731 ug/l

RT: 4.739 min Scan# 594

Delta R.T. 0.031 min

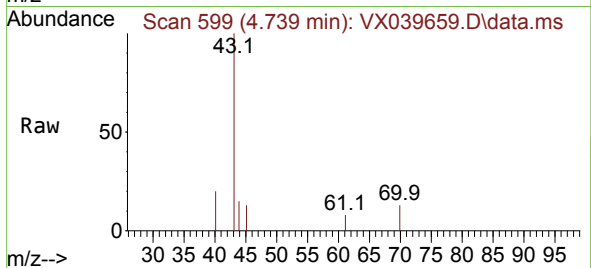
Lab File: VX039659.D

Acq: 08 Jan 2024 12:26

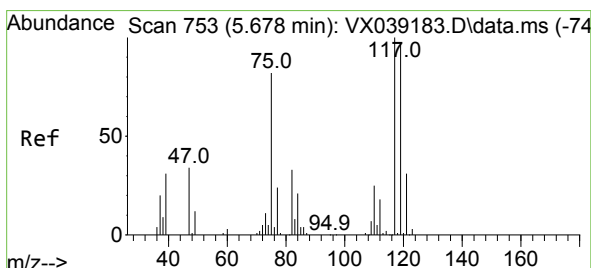
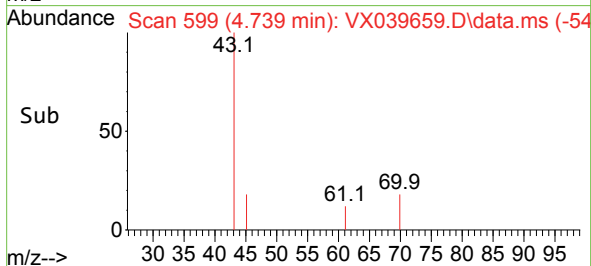
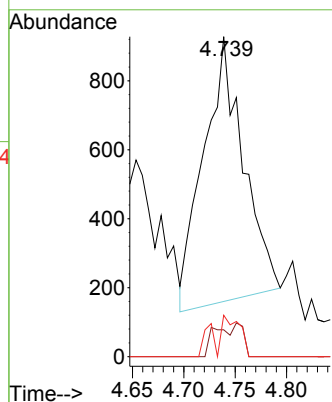
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	2066
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	7.1	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.441 ug/l

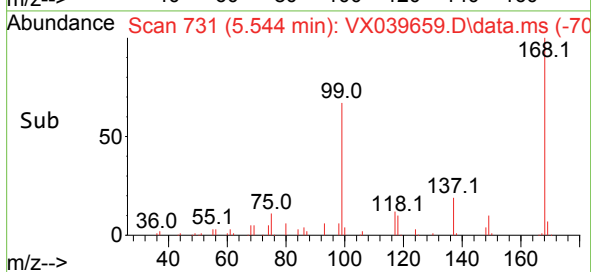
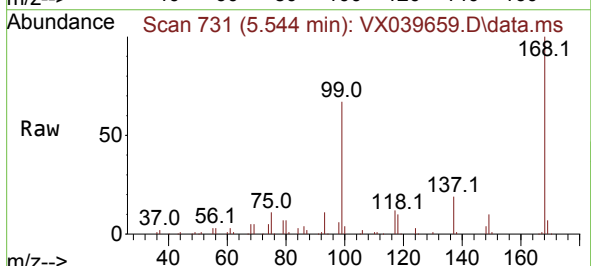
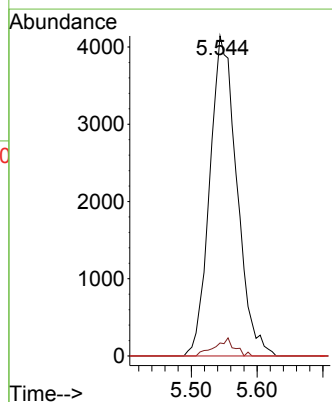
RT: 5.544 min Scan# 731

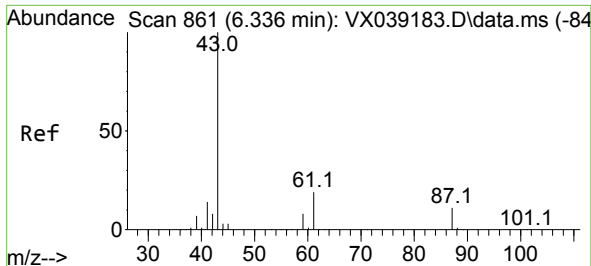
Delta R.T. -0.134 min

Lab File: VX039659.D

Acq: 08 Jan 2024 12:26

Tgt Ion:	117	Resp:	11882
Ion	Ratio	Lower	Upper
117	100		
119	4.1	78.2	117.2#
121	0.0	24.4	36.6#

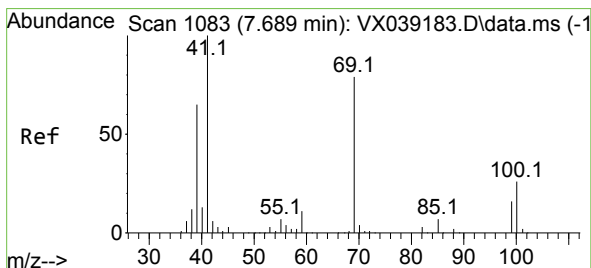
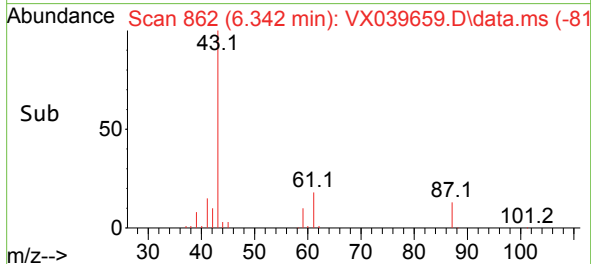
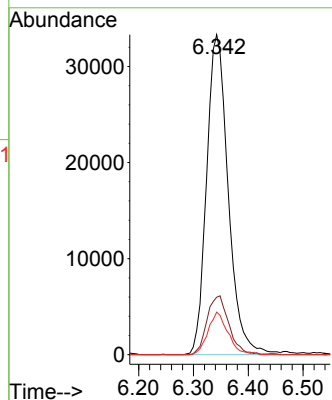
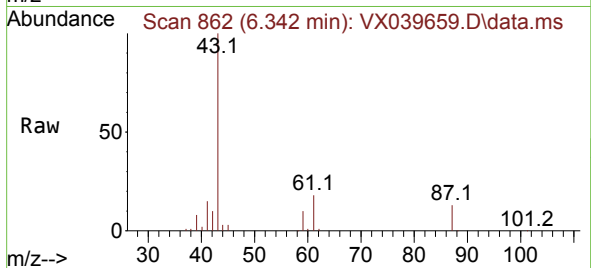




#43
Isopropyl Acetate
Concen: 19.851 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

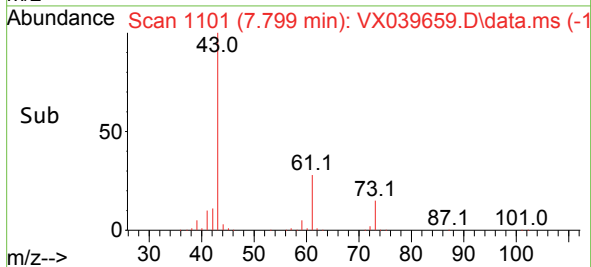
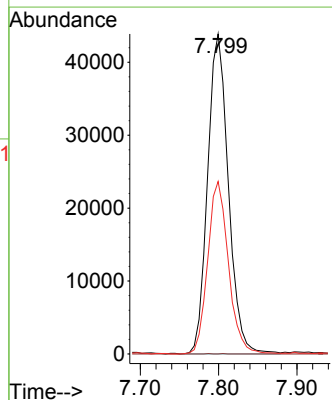
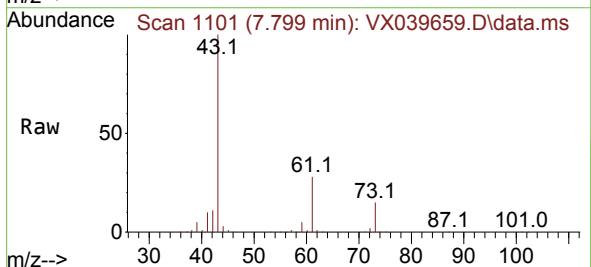
Instrument :
MSVOA_X
ClientSampleId :

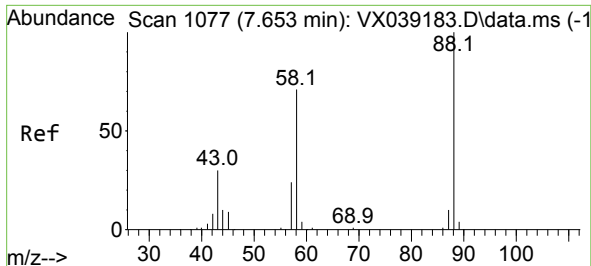
Tgt Ion: 43 Resp: 91264
Ion Ratio Lower Upper
43 100
61 18.6 15.2 22.8
87 12.3 9.8 14.6



#48
Methyl methacrylate
Concen: 30.066 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

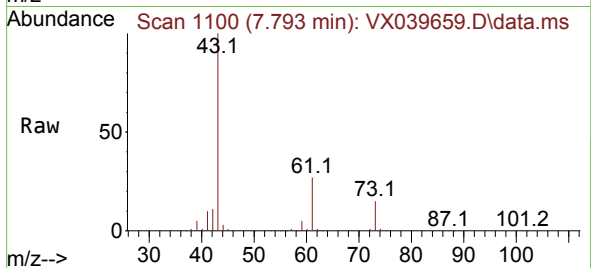
Tgt Ion: 41 Resp: 80811
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 53.9 47.7 71.5



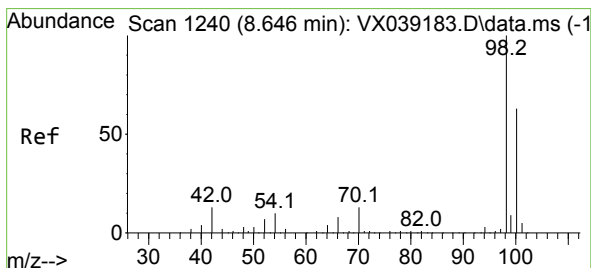
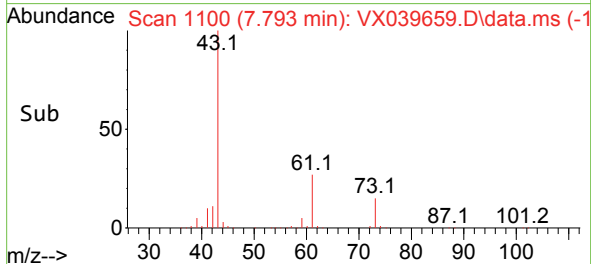
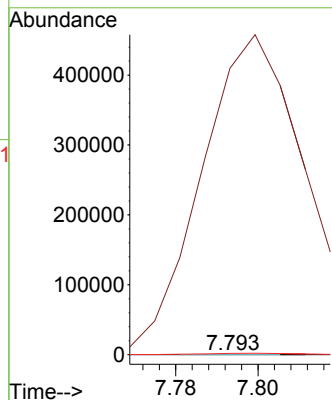


#49
1,4-Dioxane
Concen: 0.662 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.140 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

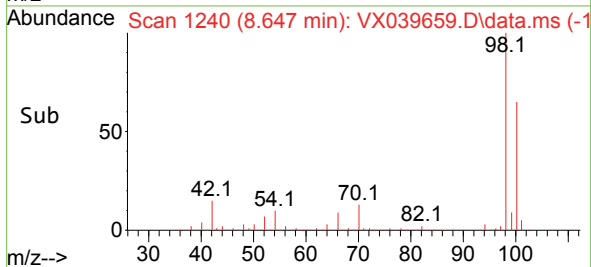
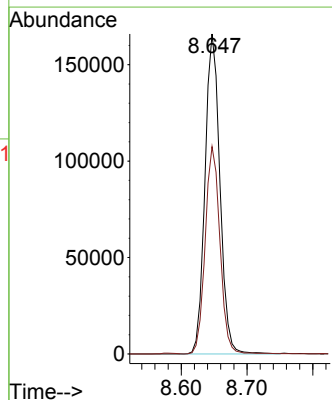
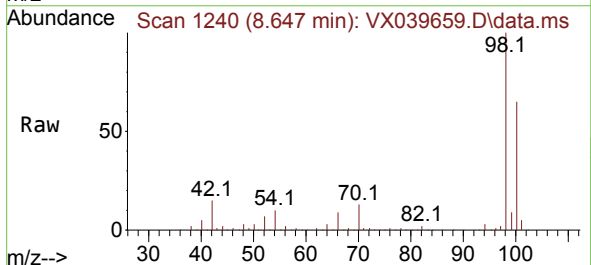


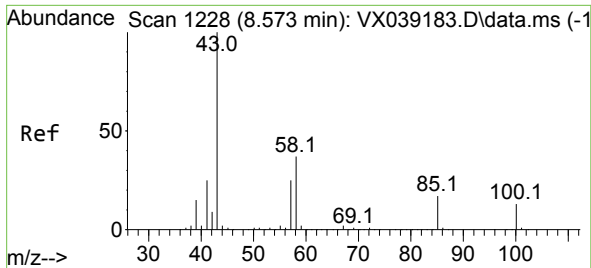
Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 3497337.5 0.0 0.0#
58 14745.8 60.1 90.1#



#50
Toluene-d8
Concen: 48.738 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Tgt Ion: 98 Resp: 262391
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7

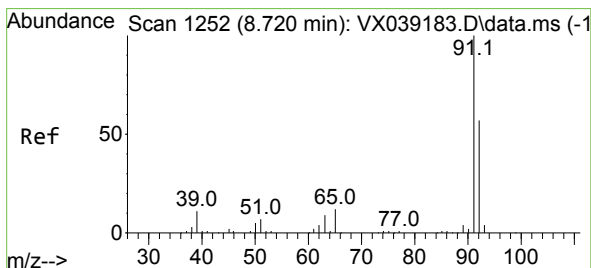
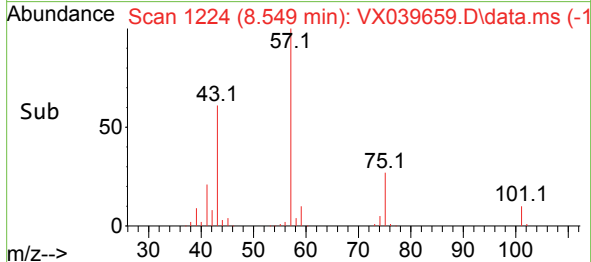
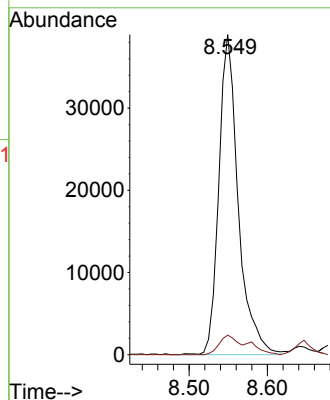
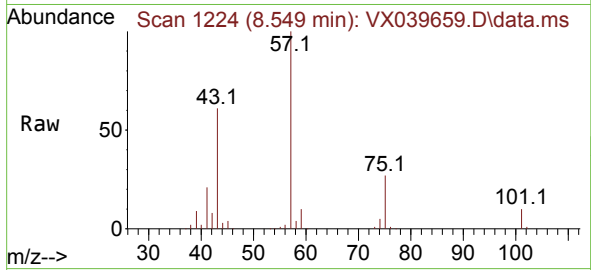




#51
4-Methyl-2-Pentanone
Concen: 22.906 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

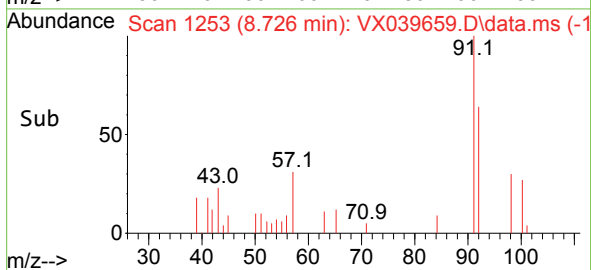
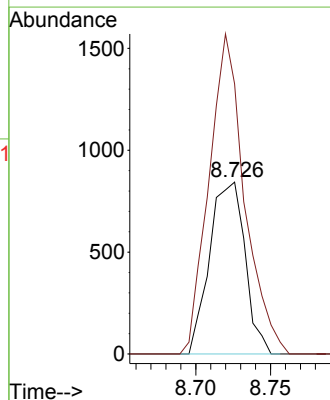
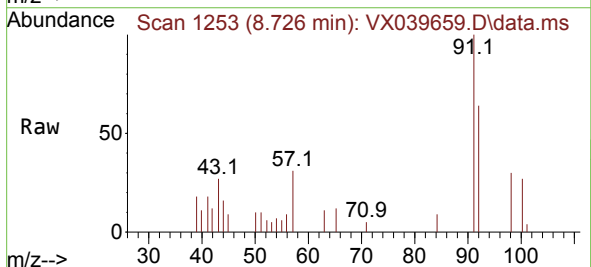
Instrument :
MSVOA_X
ClientSampleId :

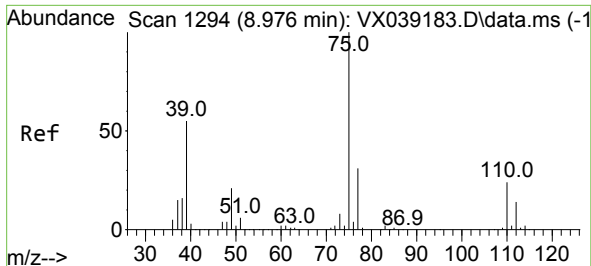
Tgt Ion: 43 Resp: 67096
Ion Ratio Lower Upper
43 100
58 5.9 30.4 45.6#



#52
Toluene
Concen: 0.356 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Tgt Ion: 92 Resp: 1391
Ion Ratio Lower Upper
92 100
91 186.6 134.2 201.2

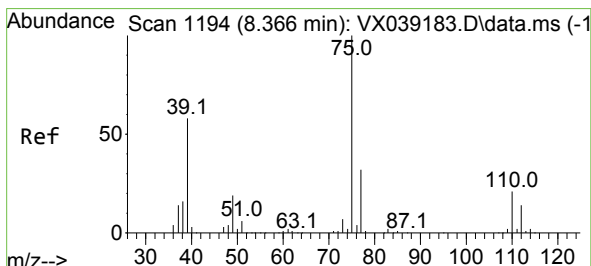
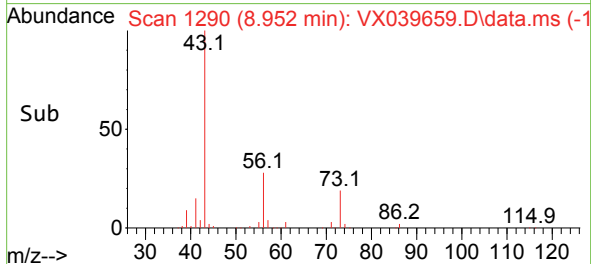
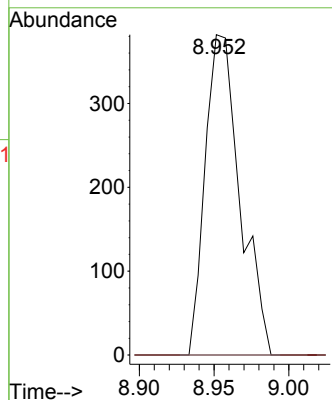
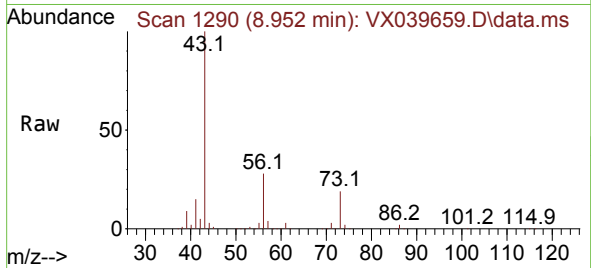




#53
 t-1,3-Dichloropropene
 Concen: 0.242 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX039659.D
 Acq: 08 Jan 2024 12:26

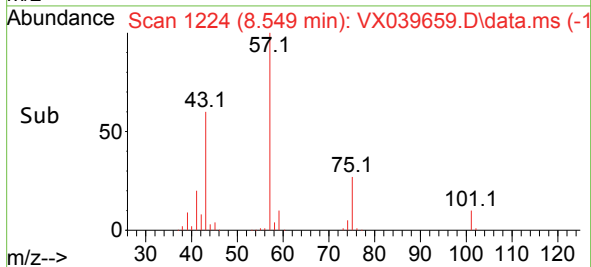
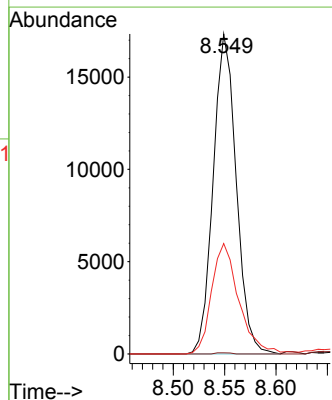
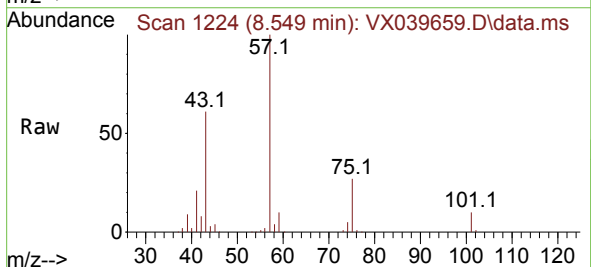
Instrument :
 MSVOA_X
 ClientSampleId :

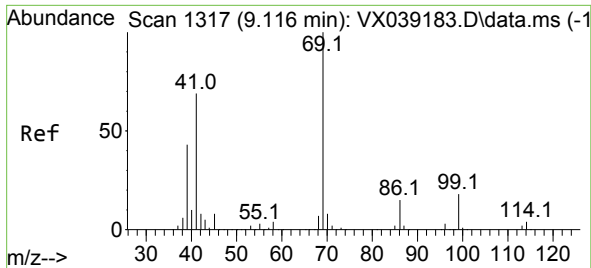
Tgt Ion: 75 Resp: 621
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 9.761 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX039659.D
 Acq: 08 Jan 2024 12:26

Tgt Ion: 75 Resp: 27001
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 34.5 46.7 70.1#

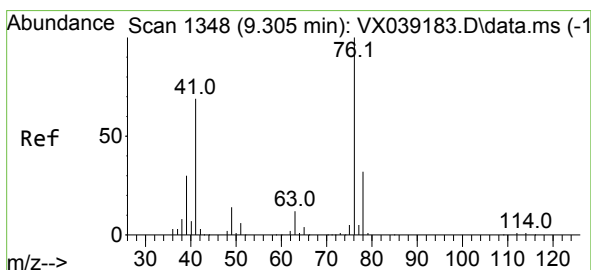
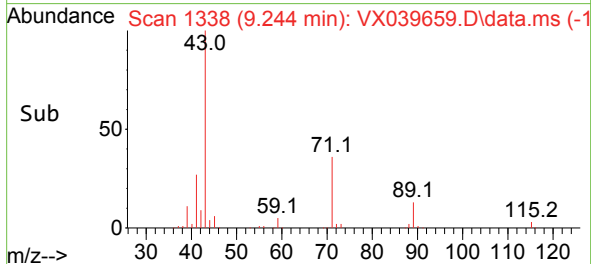
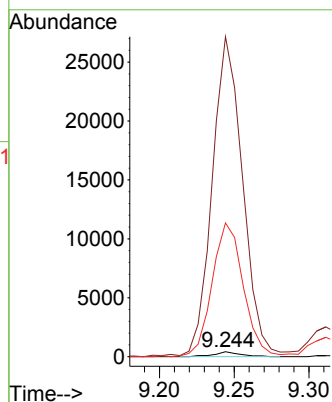
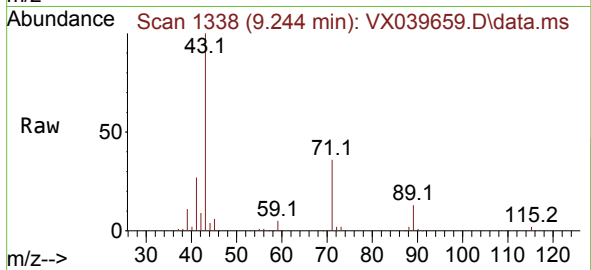




#56
Ethyl methacrylate
Concen: 0.251 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

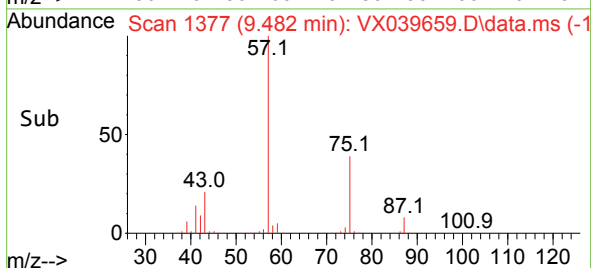
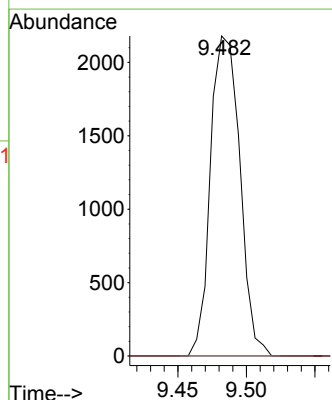
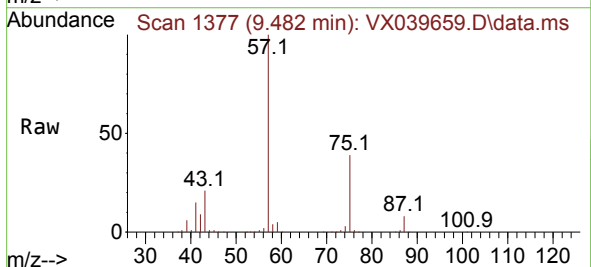
Instrument :
MSVOA_X
ClientSampleId :

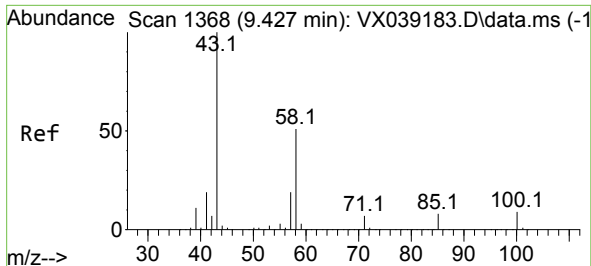
Tgt Ion: 69 Resp: 500
Ion Ratio Lower Upper
69 100
41 7709.0 56.8 85.2#
39 3288.2 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.154 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Tgt Ion: 76 Resp: 3253
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

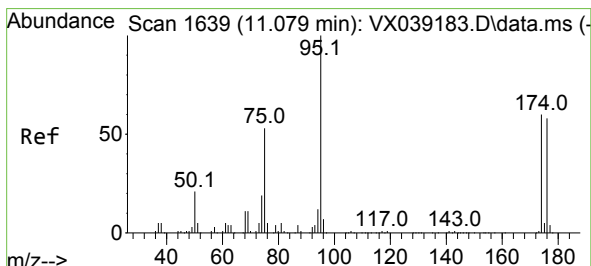
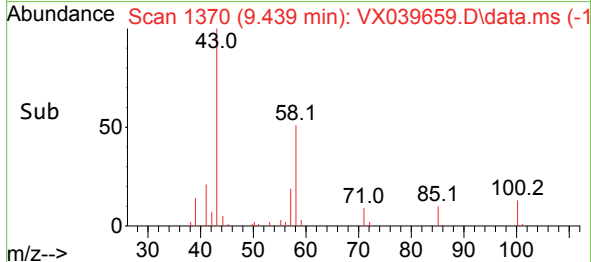
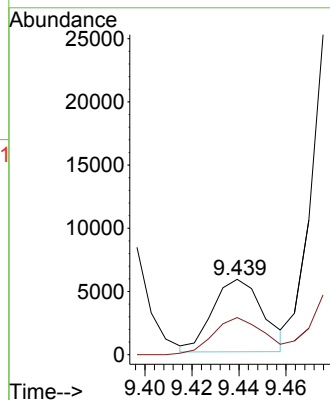
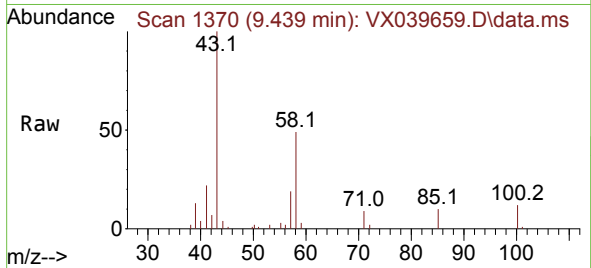




#59
2-Hexanone
Concen: 3.386 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

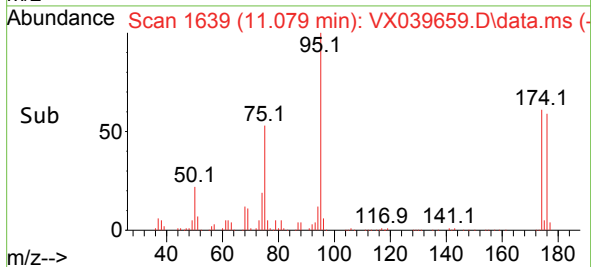
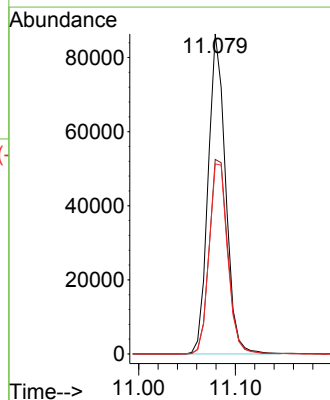
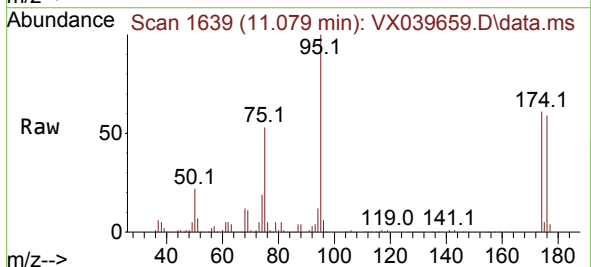
Instrument :
MSVOA_X
ClientSampleId :

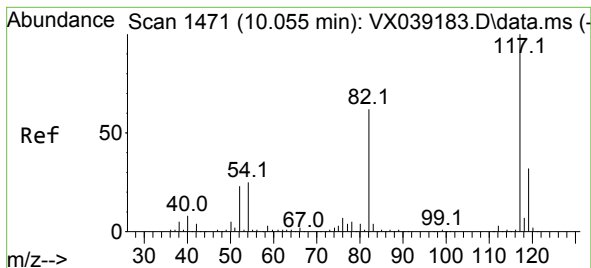
Tgt Ion: 43 Resp: 8559
Ion Ratio Lower Upper
43 100
58 51.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 48.866 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

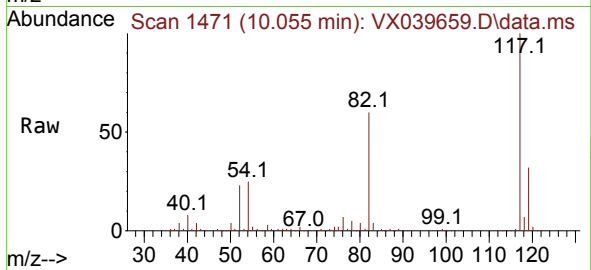
Tgt Ion: 95 Resp: 108546
Ion Ratio Lower Upper
95 100
174 64.8 0.0 135.6
176 63.1 0.0 131.0



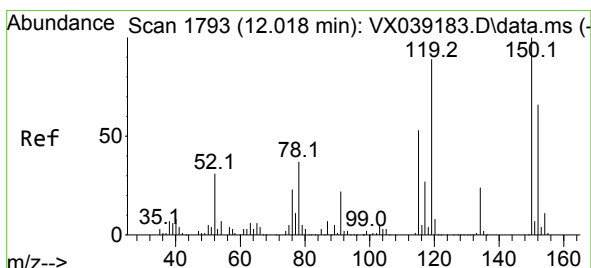
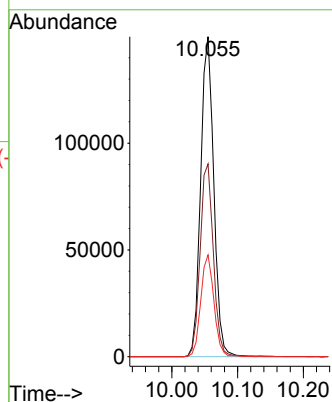
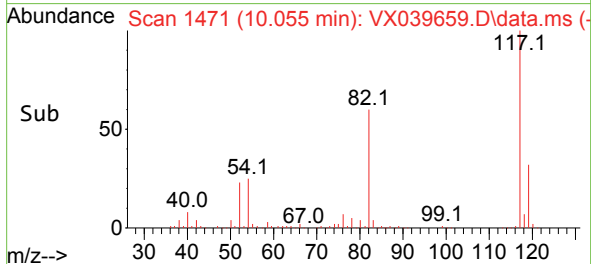


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

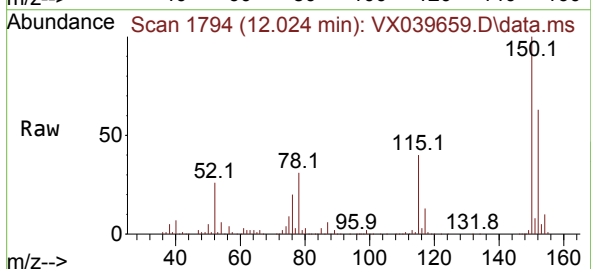
Instrument :
MSVOA_X
ClientSampleId :



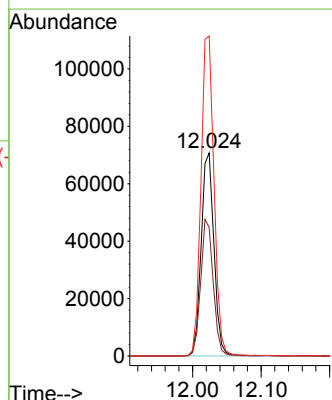
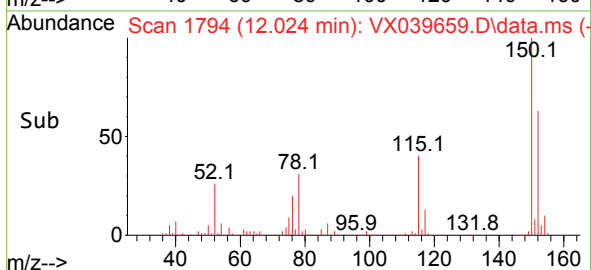
Tgt Ion:117 Resp: 208073
Ion Ratio Lower Upper
117 100
82 60.2 46.2 69.4
119 31.8 25.5 38.3

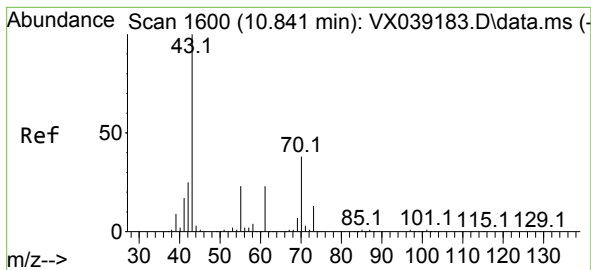


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26



Tgt Ion:152 Resp: 92121
Ion Ratio Lower Upper
152 100
115 65.8 43.3 129.9
150 160.3 0.0 345.0





#74

N-ethyl acetate

Concen: 0.266 ug/l

RT: 10.854 min Scan# 1

Delta R.T. 0.012 min

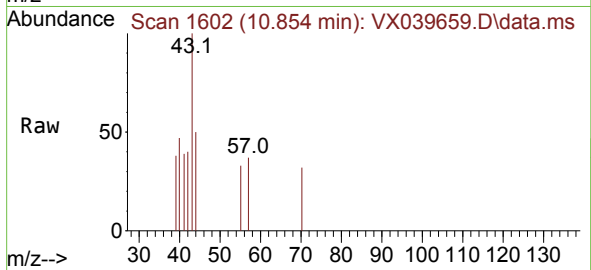
Lab File: VX039659.D

Acq: 08 Jan 2024 12:26

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 956

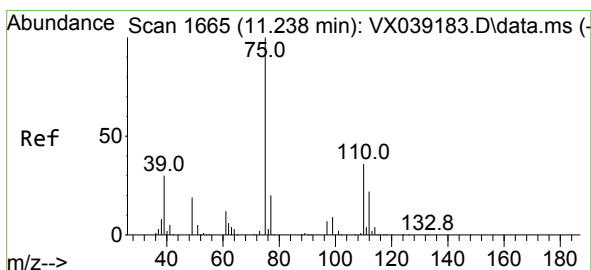
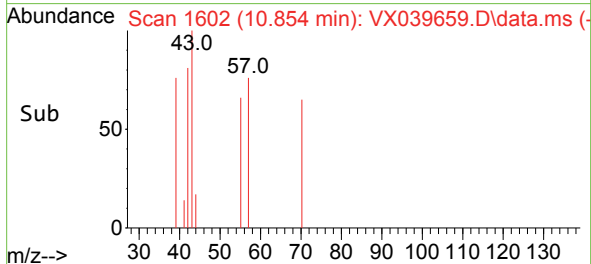
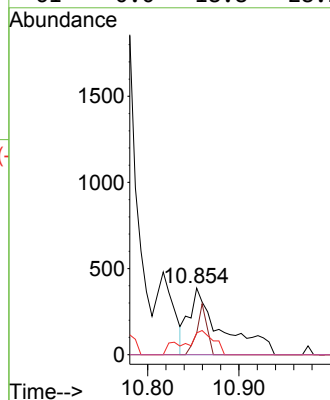
Ion Ratio Lower Upper

43 100

70 23.5 32.9 49.3#

55 24.9 19.3 28.9

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 24.778 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039659.D

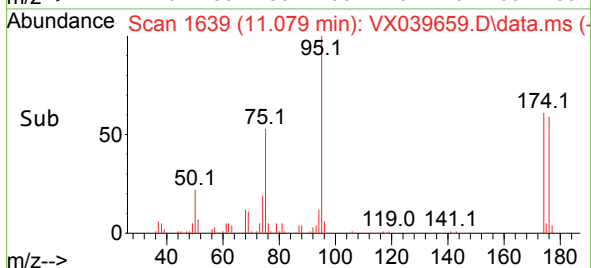
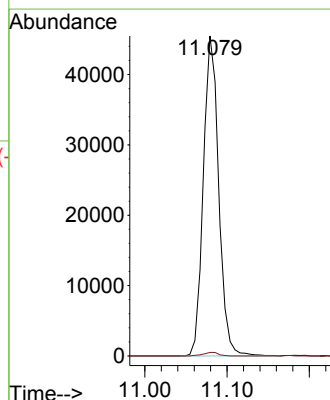
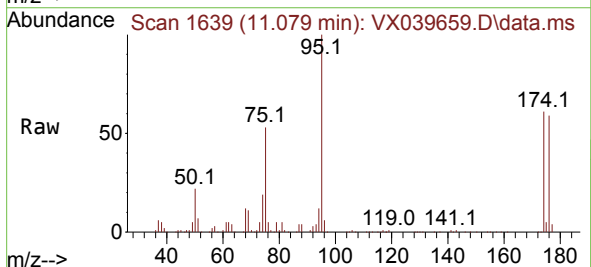
Acq: 08 Jan 2024 12:26

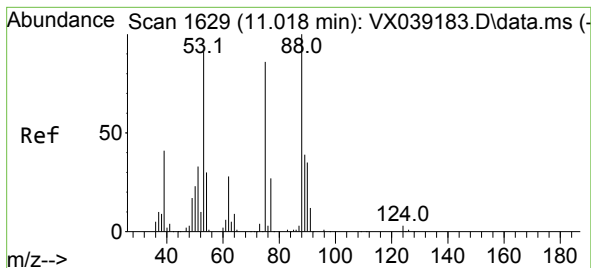
Tgt Ion: 75 Resp: 59053

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

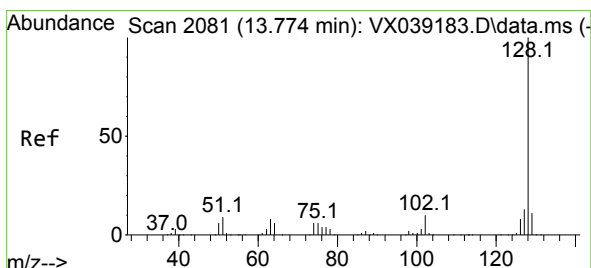
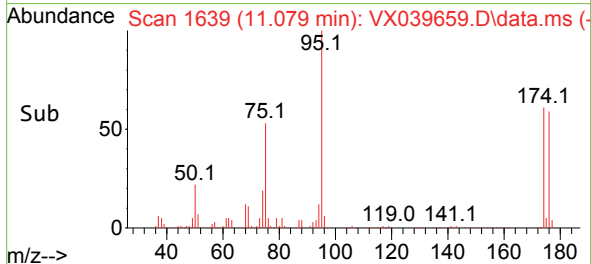
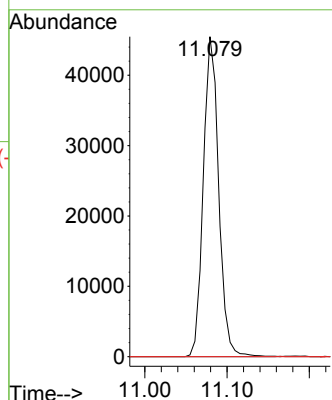
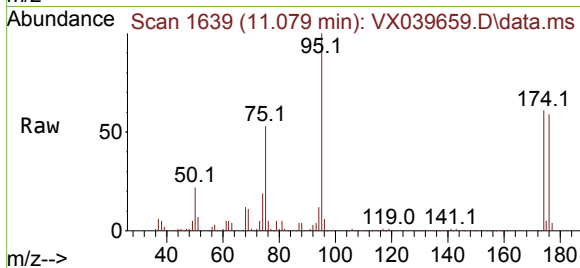




#81
trans-1,4-Dichloro-2-butene
Concen: 69.897 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 59053
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.142 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039659.D
Acq: 08 Jan 2024 12:26

Tgt Ion: 128 Resp: 7697
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.3 8.8 13.2

