

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010824\
 Data File : VX039658.D
 Acq On : 08 Jan 2024 12:04
 Operator : JC/MD
 Sample : P1015-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 09 04:32:56 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)

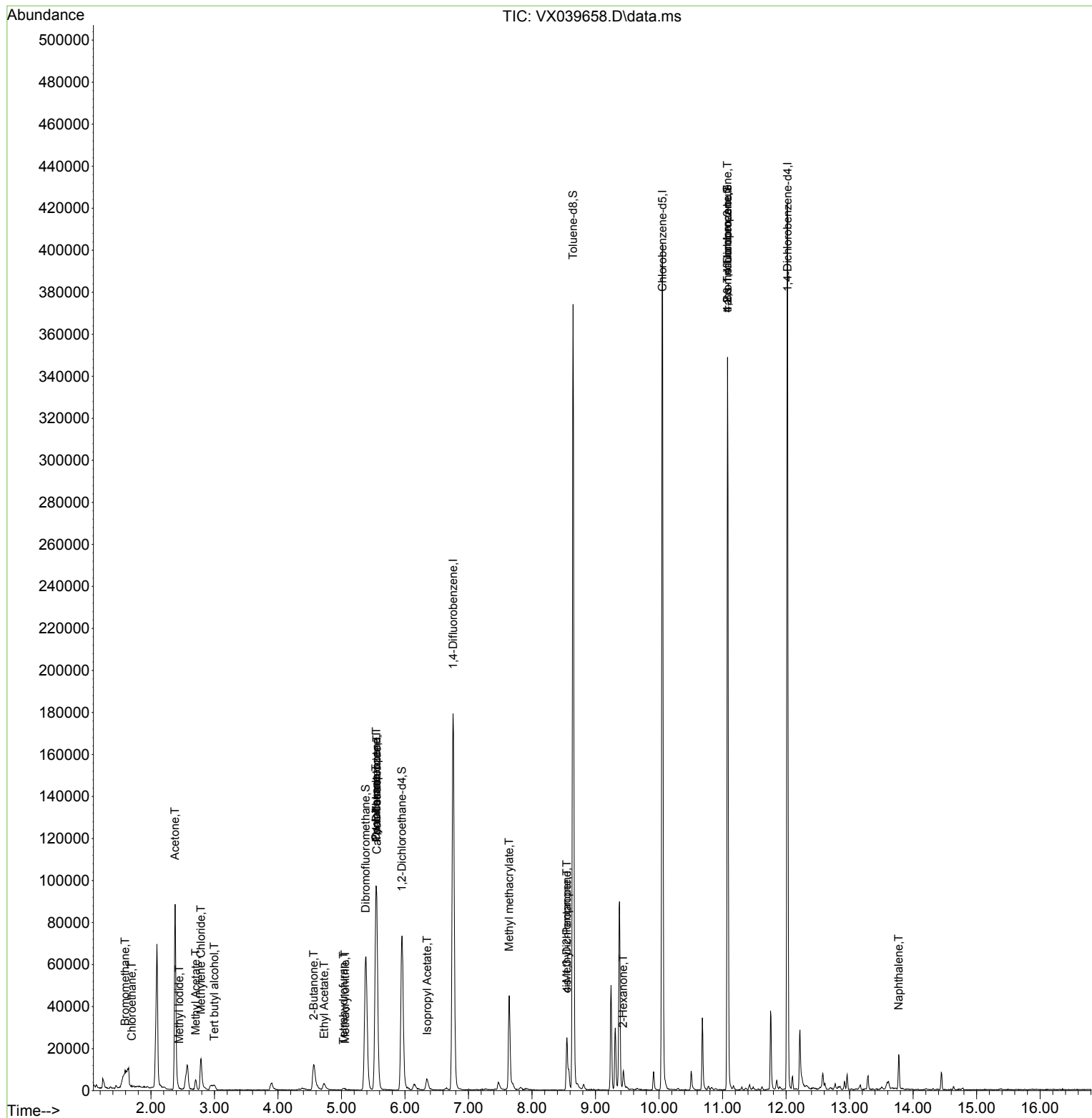
Internal Standards						
1) Pentafluorobenzene	5.550	168	87337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177776	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	72289	45.182	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.360%
35) Dibromofluoromethane	5.379	113	56944	46.365	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.740%
50) Toluene-d8	8.647	98	218209	47.857	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.720%
62) 4-Bromofluorobenzene	11.079	95	93133	49.505	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.020%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	192	0.264	ug/l	98
6) Chloroethane	1.697	64	188	0.247	ug/l #	43
10) Methyl Iodide	2.447	142	235	0.201	ug/l #	47
11) Tert butyl alcohol	2.995	59	5557	13.831	ug/l #	93
16) Acetone	2.380	43	92539	83.864	ug/l	91
18) Methyl Acetate	2.703	43	5600	1.618	ug/l	100
20) Methylene Chloride	2.788	84	7399	5.548	ug/l	98
25) 2-Butanone	4.562	43	24952	18.073	ug/l	91
29) Tetrahydrofuran	5.032	42	623	0.817	ug/l #	45
31) Cyclohexane	5.544	56	2550	1.234	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	8599	4.437	ug/l #	50
37) Ethyl Acetate	4.727	43	5714	2.386	ug/l	98
38) Carbon Tetrachloride	5.556	117	10292	5.565	ug/l #	14
41) Methacrylonitrile	5.056	41	332	0.260	ug/l #	40
43) Isopropyl Acetate	6.348	43	8091	2.078	ug/l #	91
48) Methyl methacrylate	7.641	41	1606	0.706	ug/l #	14
51) 4-Methyl-2-Pentanone	8.549	43	9741	3.927	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	3872	1.653	ug/l #	59
59) 2-Hexanone	9.433	43	6705	3.132	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	51028	24.852	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51028	70.107	ug/l #	5
95) Naphthalene	13.774	128	10618	1.829	ug/l	100

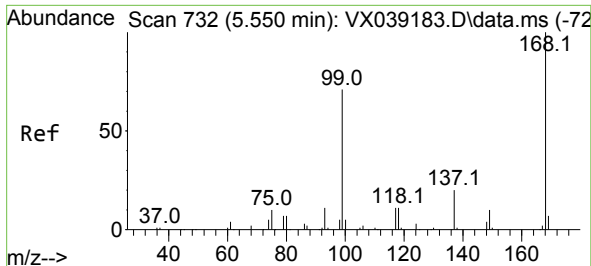
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
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QLast Update : Thu Dec 14 01:28:15 2023
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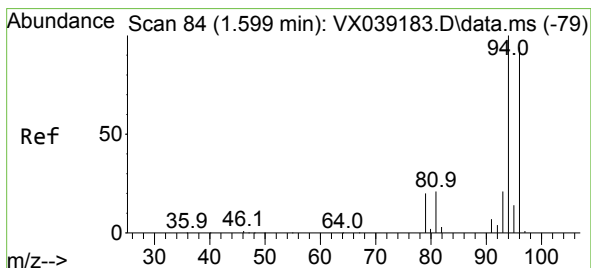
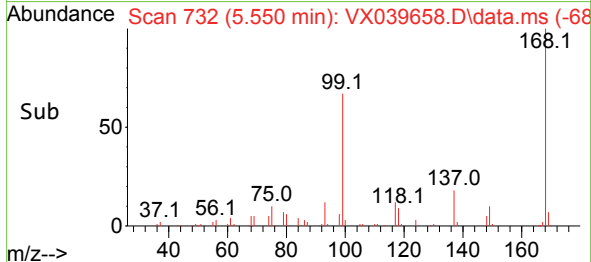
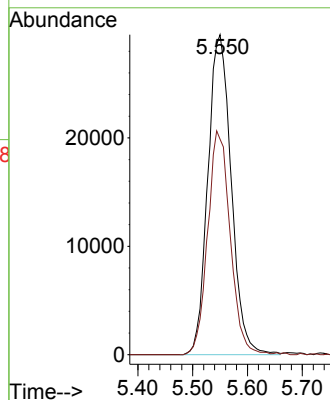
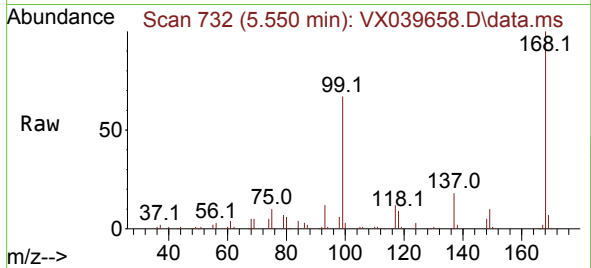




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

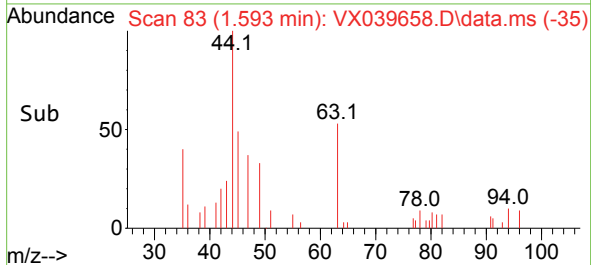
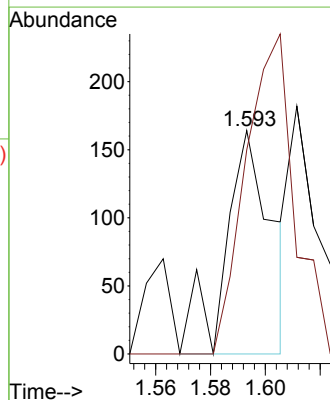
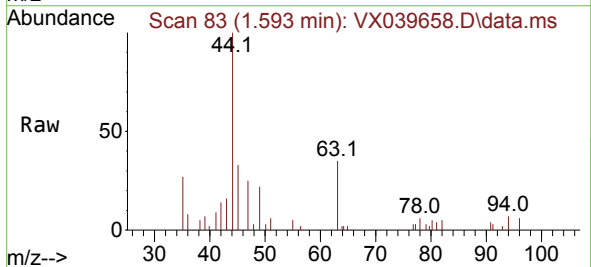
Instrument : MSVOA_X
ClientSampleId :

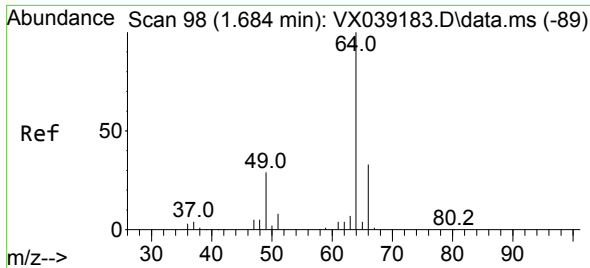
Tgt Ion:168 Resp: 87337
Ion Ratio Lower Upper
168 100
99 67.4 56.6 85.0



#5
Bromomethane
Concen: 0.264 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Tgt Ion: 94 Resp: 192
Ion Ratio Lower Upper
94 100
96 91.5 74.6 111.8

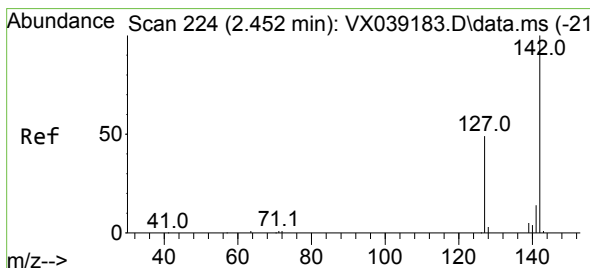
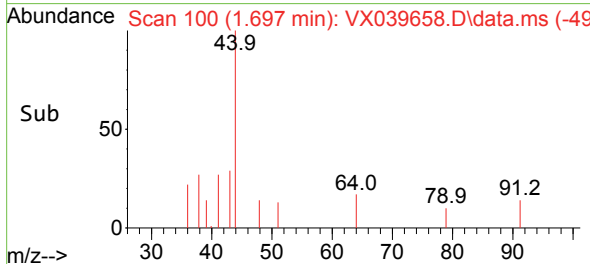
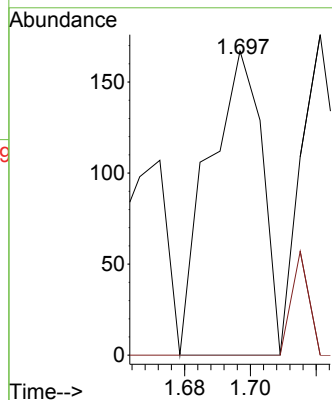
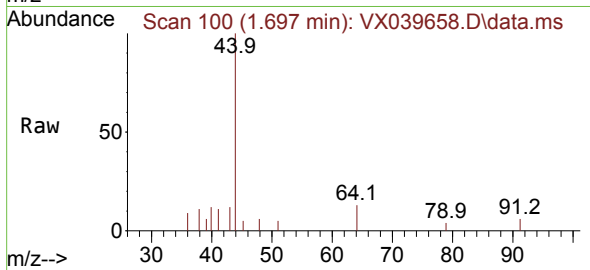




#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.013 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

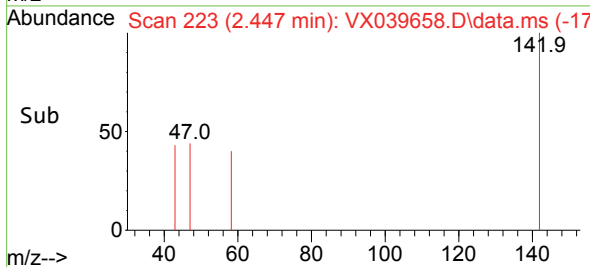
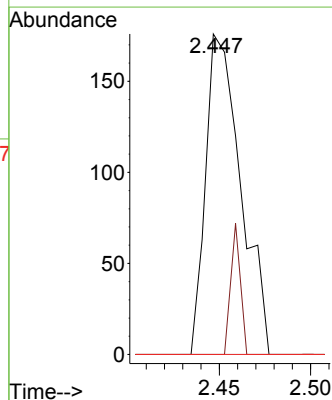
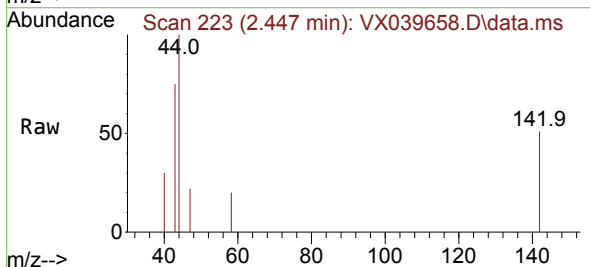
Instrument :
MSVOA_X
ClientSampleId :

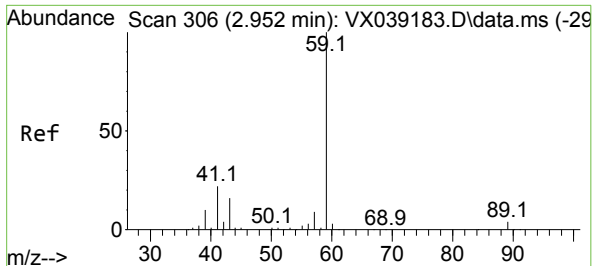
Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#10
Methyl Iodide
Concen: 0.201 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Tgt Ion: 142 Resp: 235
Ion Ratio Lower Upper
142 100
127 11.1 41.6 62.4#
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 13.831 ug/l

RT: 2.995 min Scan# 313

Delta R.T. 0.043 min

Lab File: VX039658.D

Acq: 08 Jan 2024 12:04

Instrument :

MSVOA_X

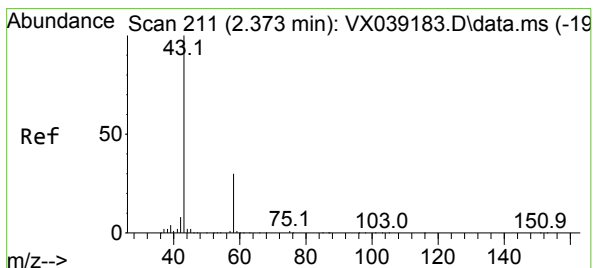
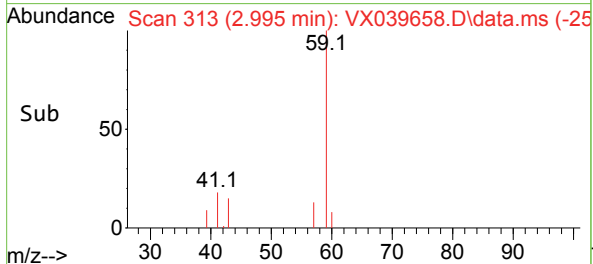
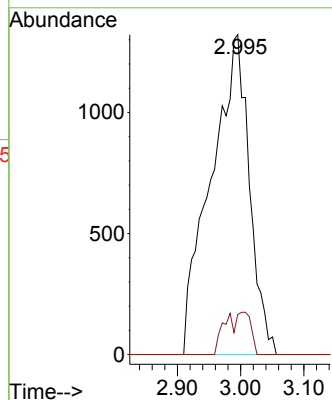
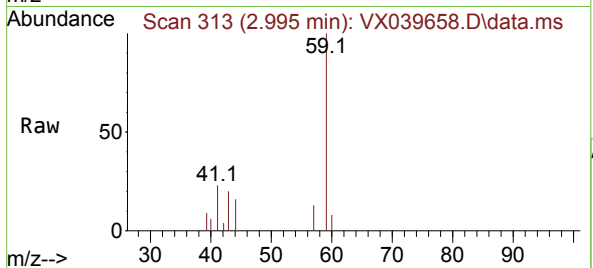
ClientSampleId :

Tgt Ion: 59 Resp: 5557

Ion Ratio Lower Upper

59 100

57 4.9 6.0 9.0#



#16

Acetone

Concen: 83.864 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX039658.D

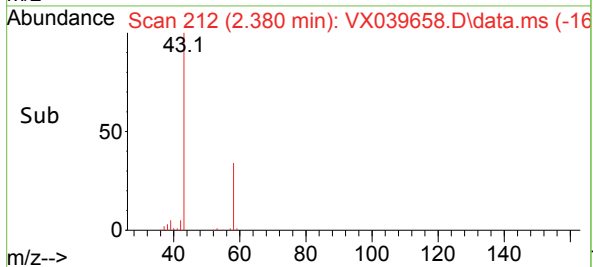
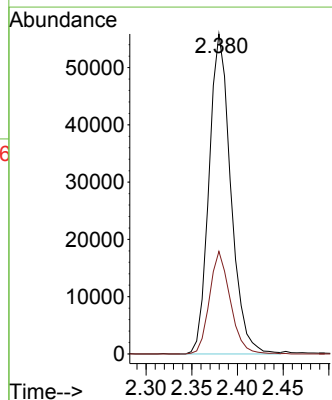
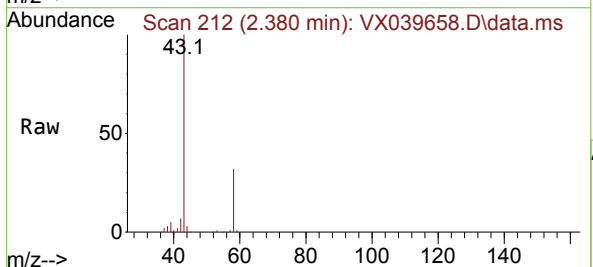
Acq: 08 Jan 2024 12:04

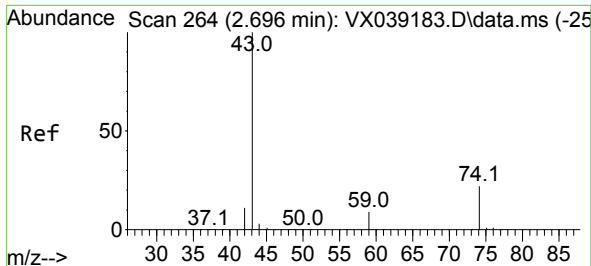
Tgt Ion: 43 Resp: 92539

Ion Ratio Lower Upper

43 100

58 32.1 21.9 32.9

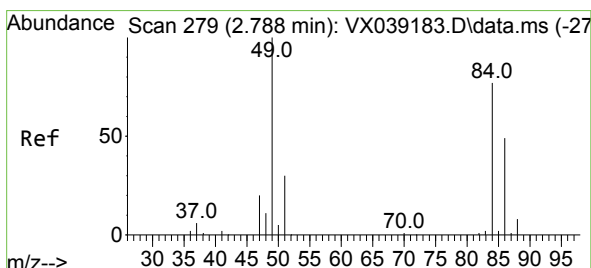
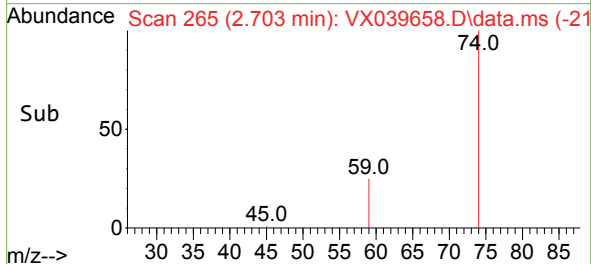
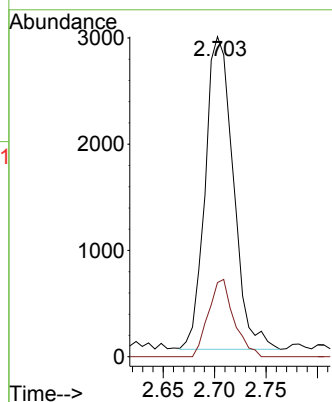
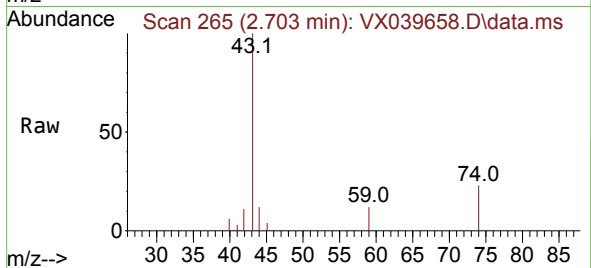




#18
Methyl Acetate
Concen: 1.618 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

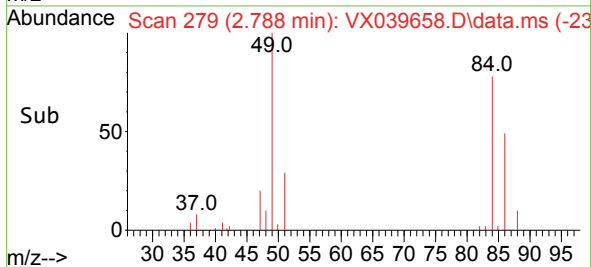
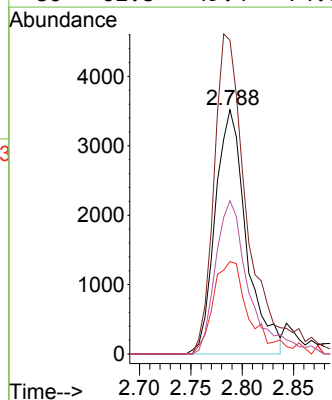
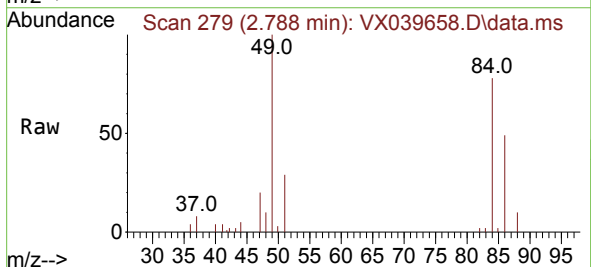
Instrument :
MSVOA_X
ClientSampleId :

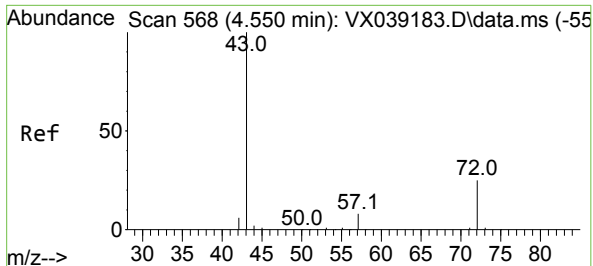
Tgt Ion: 43 Resp: 5600
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



#20
Methylene Chloride
Concen: 5.548 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

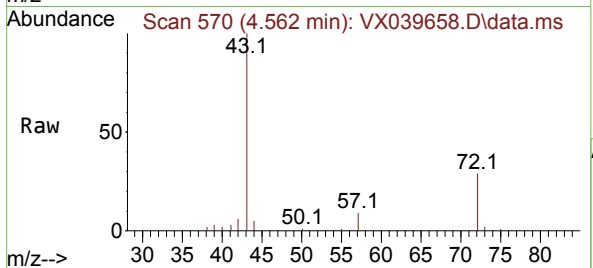
Tgt Ion: 84 Resp: 7399
Ion Ratio Lower Upper
84 100
49 128.5 103.6 155.4
51 37.8 33.8 50.6
86 62.8 49.4 74.0



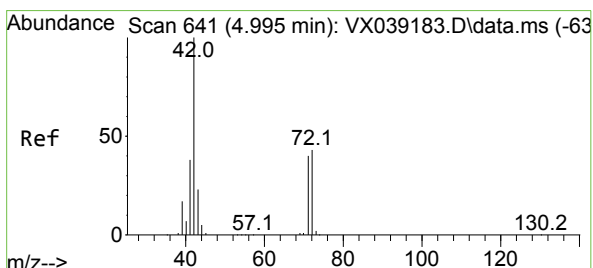
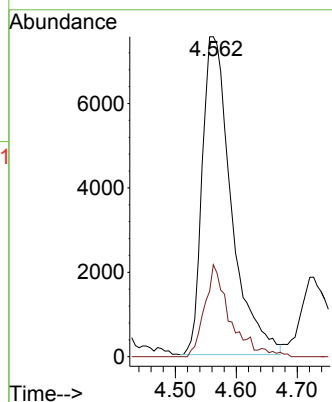
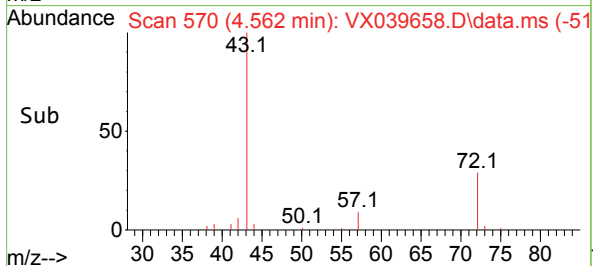


#25
2-Butanone
Concen: 18.073 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

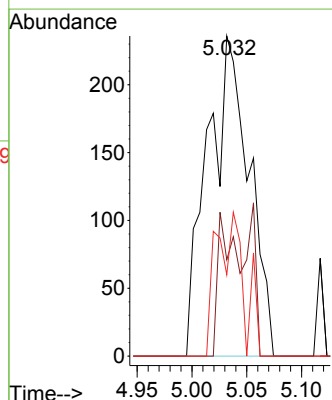
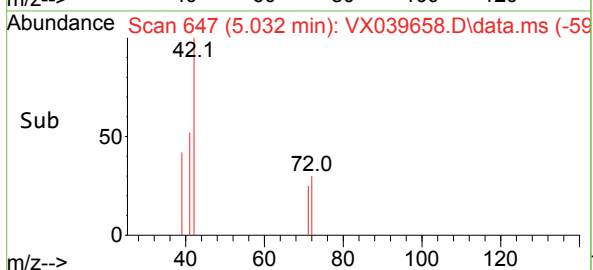
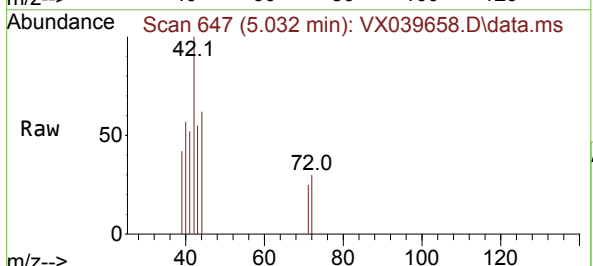


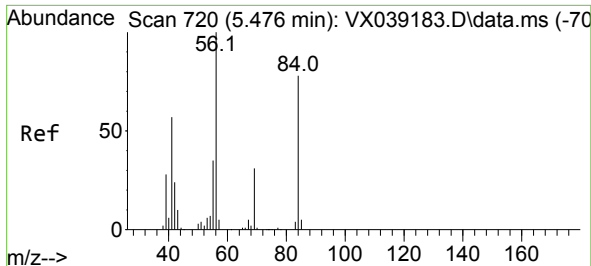
Tgt Ion: 43 Resp: 24952
Ion Ratio Lower Upper
43 100
72 29.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.817 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.037 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

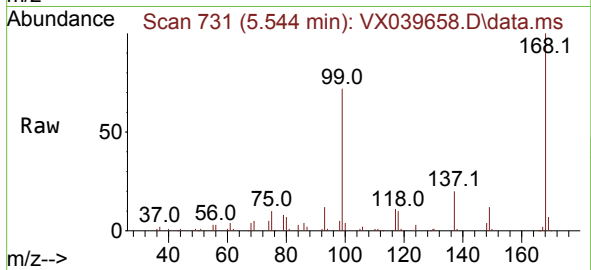
Tgt Ion: 42 Resp: 623
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 14.0 32.2 48.2#



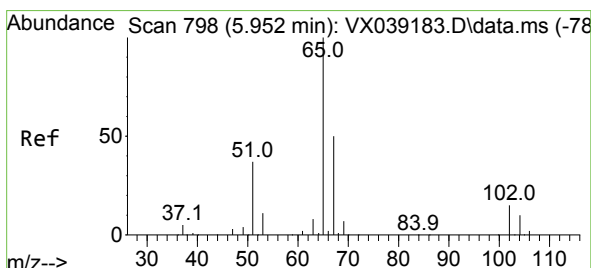
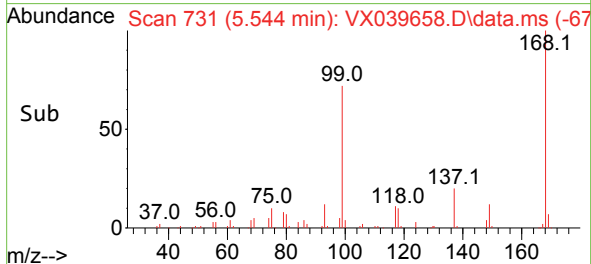
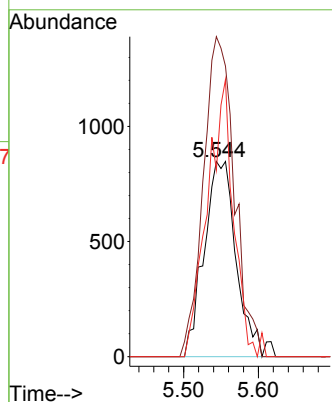


#31
Cyclohexane
Concen: 1.234 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

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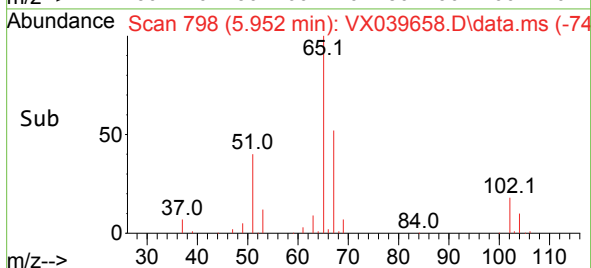
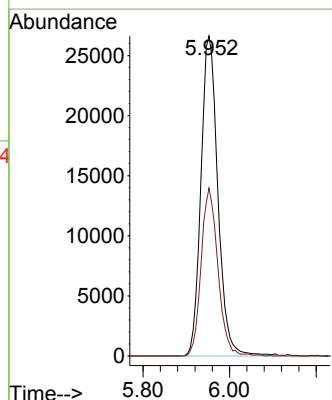
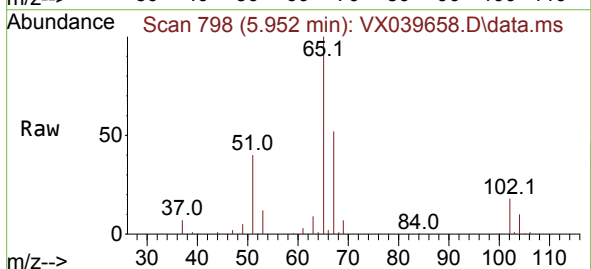


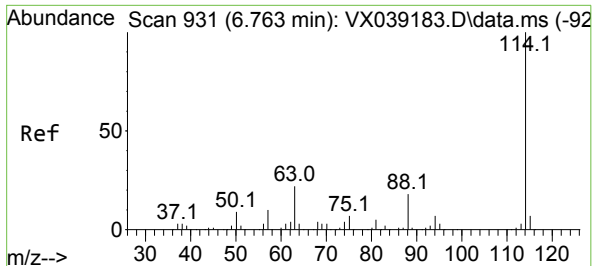
Tgt Ion: 56 Resp: 2550
Ion Ratio Lower Upper
56 100
69 163.9 23.4 35.2#
84 95.5 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 45.182 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Tgt Ion: 65 Resp: 72289
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

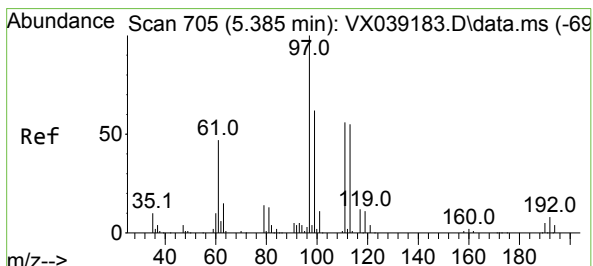
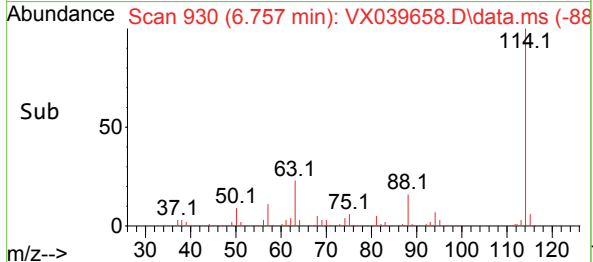
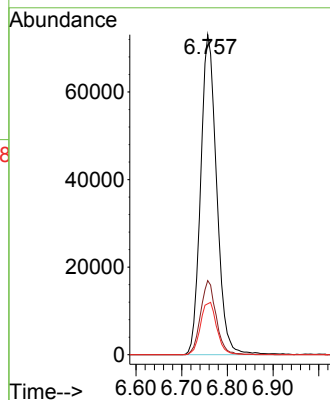
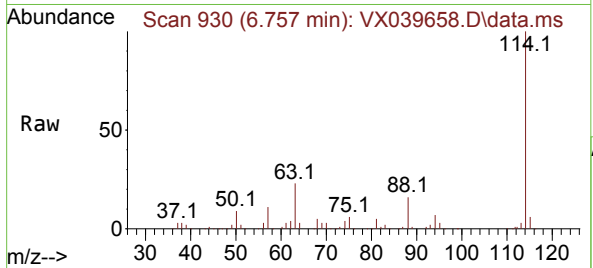




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

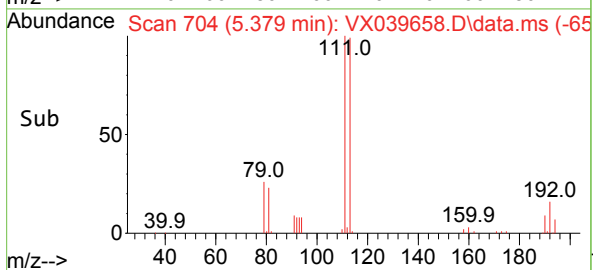
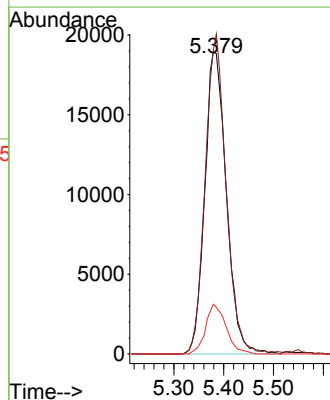
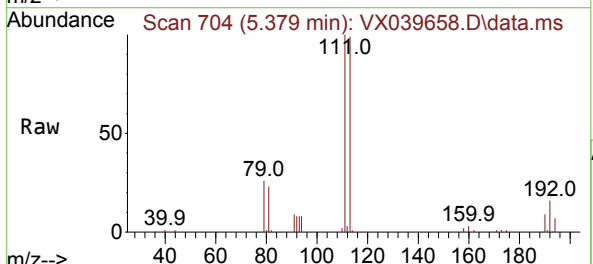
Instrument :
MSVOA_X
ClientSampleId :

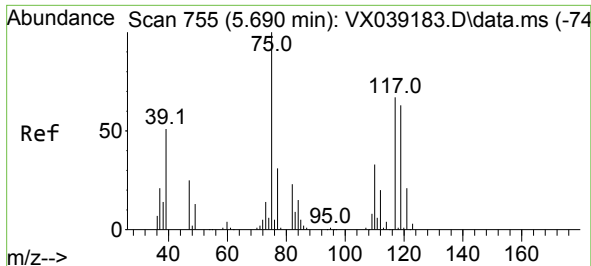
Tgt Ion:114 Resp: 177776
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.0
88 15.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.365 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

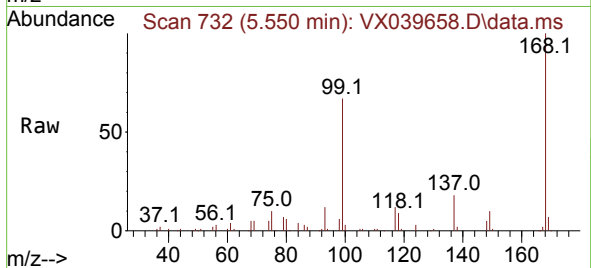
Tgt Ion:113 Resp: 56944
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 15.6 13.3 19.9



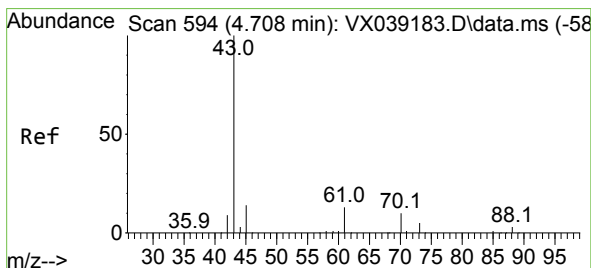
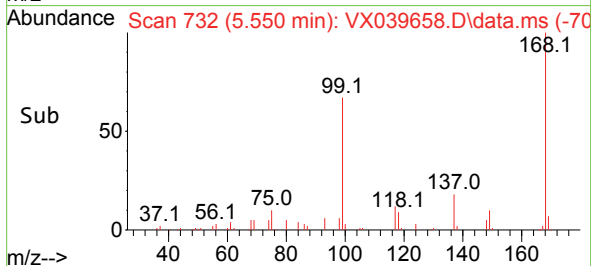
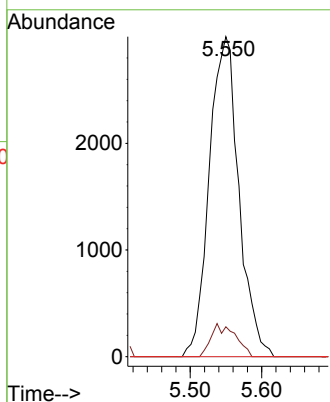


#36
1,1-Dichloropropene
Concen: 4.437 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

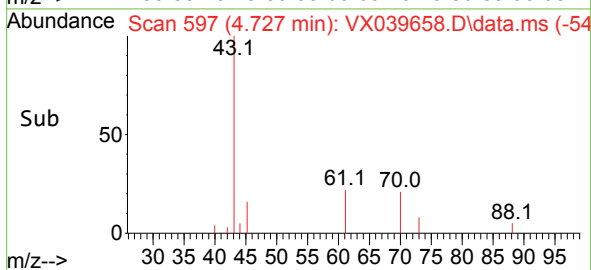
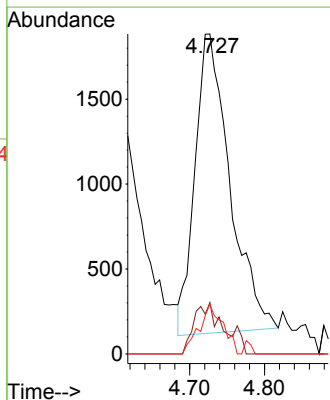
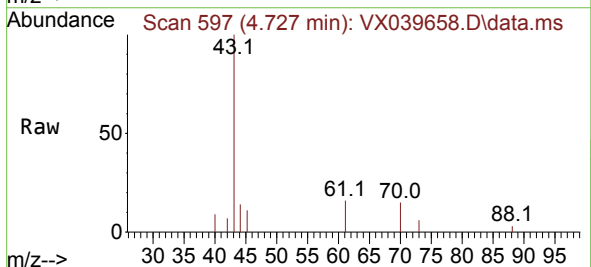


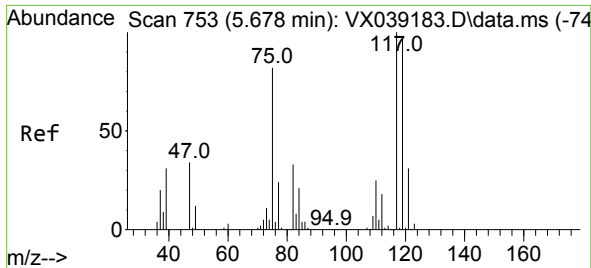
Tgt Ion: 75 Resp: 8599
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.386 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.019 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

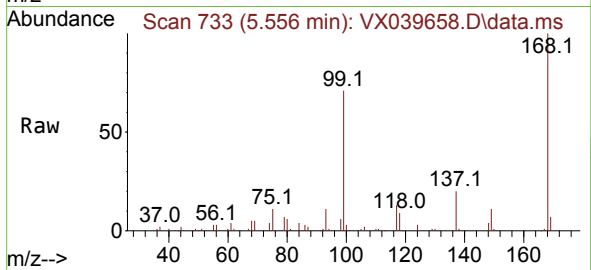
Tgt Ion: 43 Resp: 5714
Ion Ratio Lower Upper
43 100
61 12.8 10.6 16.0
70 11.3 8.3 12.5



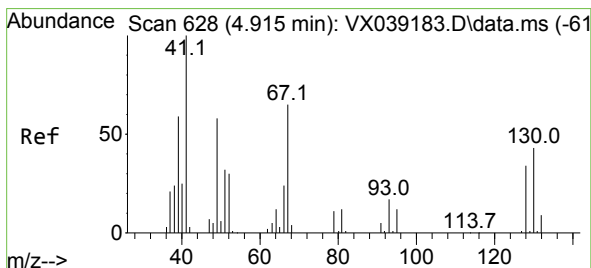
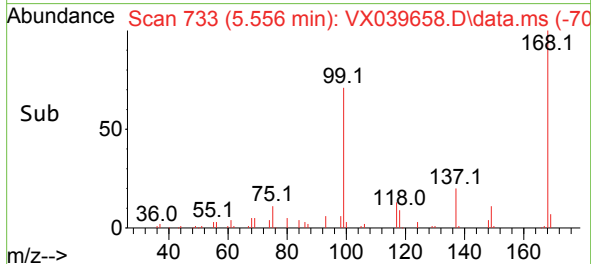
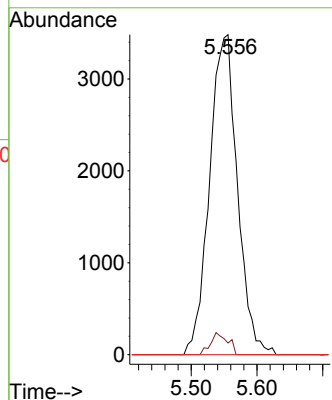


#38
Carbon Tetrachloride
Concen: 5.565 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

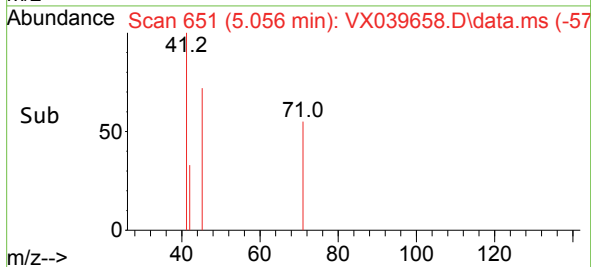
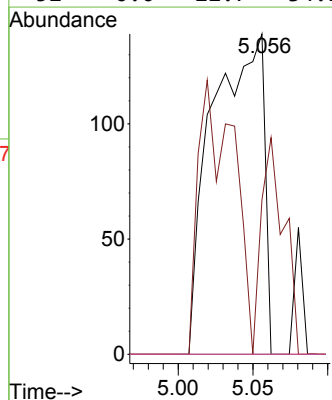
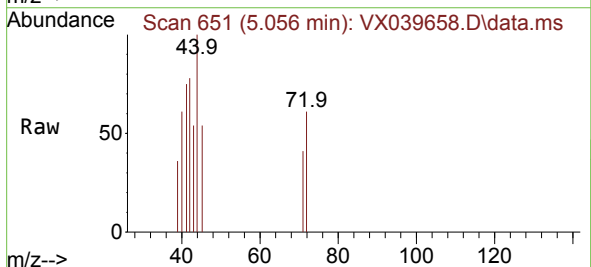


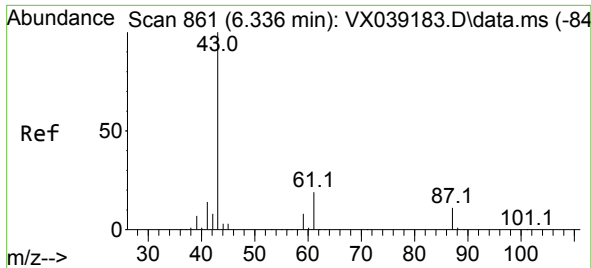
Tgt Ion:117 Resp: 10292
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.260 ug/l
RT: 5.056 min Scan# 651
Delta R.T. 0.141 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

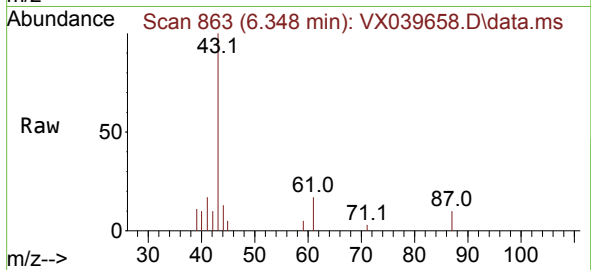
Tgt Ion: 41 Resp: 332
Ion Ratio Lower Upper
41 100
39 29.8 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



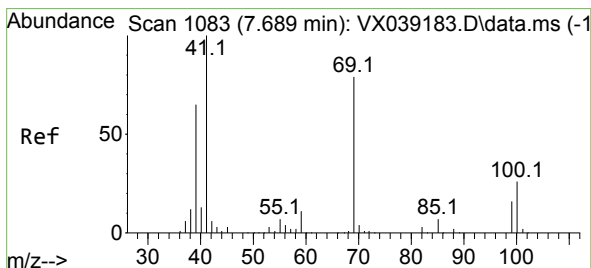
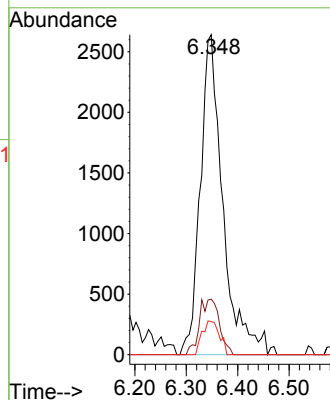
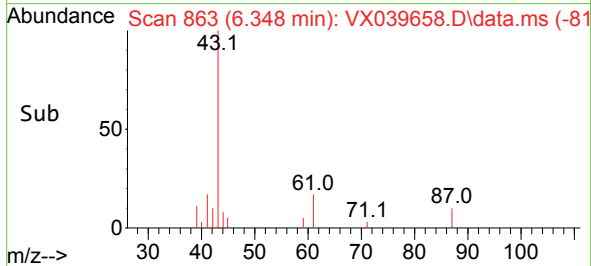


#43
Isopropyl Acetate
Concen: 2.078 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

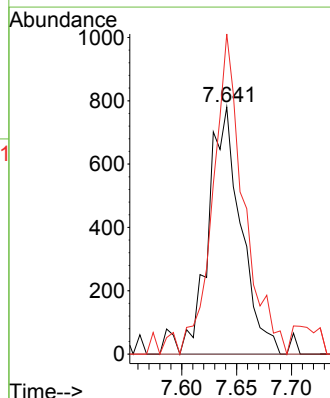
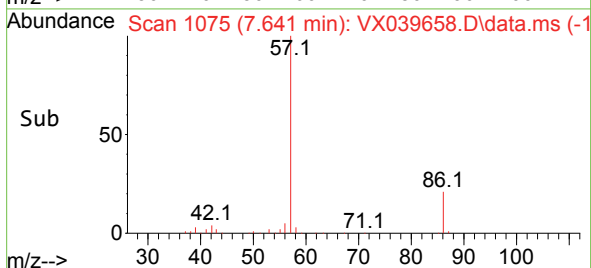
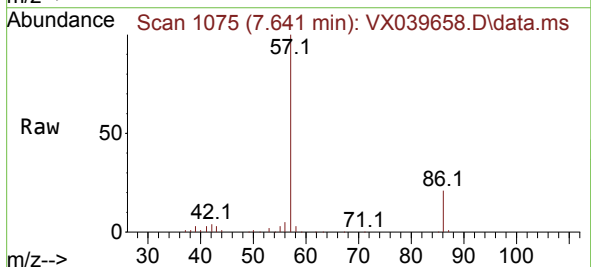


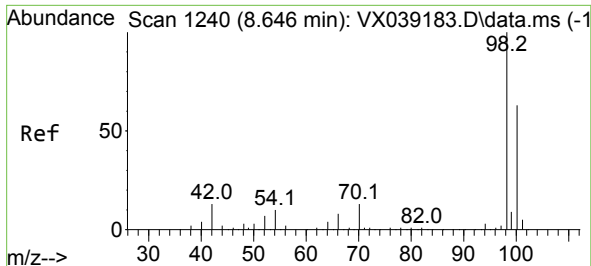
Tgt Ion: 43 Resp: 8091
Ion Ratio Lower Upper
43 100
61 15.3 15.2 22.8
87 8.0 9.8 14.6#



#48
Methyl methacrylate
Concen: 0.706 ug/l
RT: 7.641 min Scan# 1075
Delta R.T. -0.048 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Tgt Ion: 41 Resp: 1606
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 122.5 47.7 71.5#

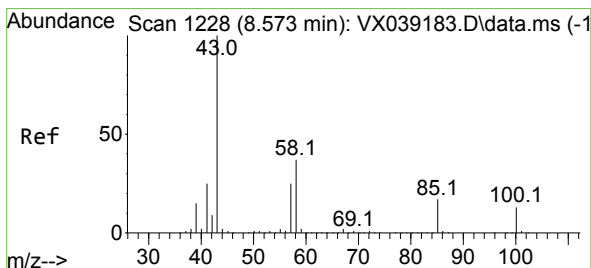
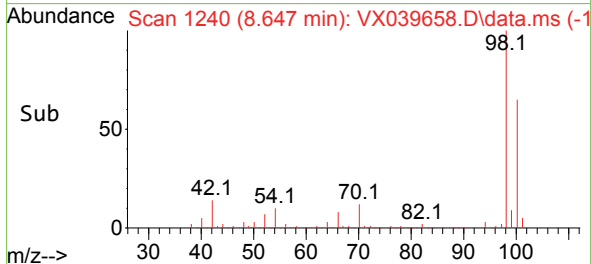
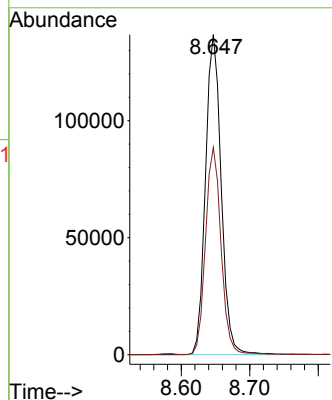
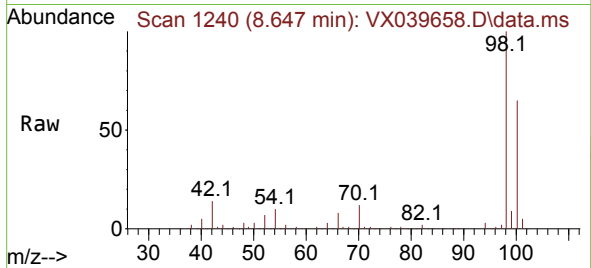




#50
Toluene-d8
Concen: 47.857 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

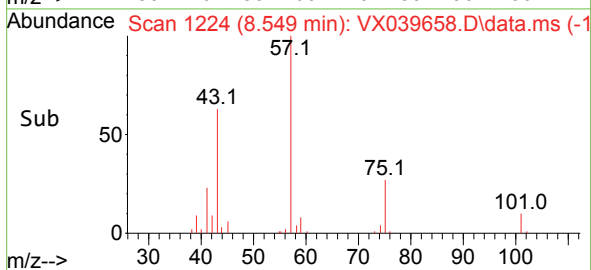
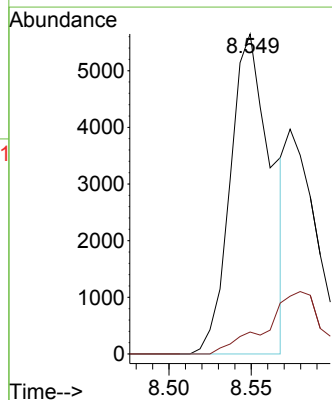
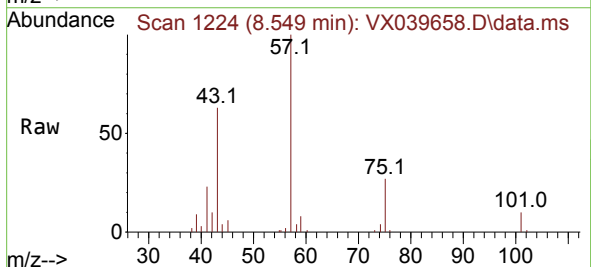
Instrument :
MSVOA_X
ClientSampleId :

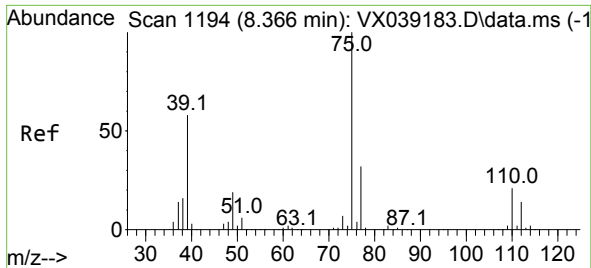
Tgt Ion: 98 Resp: 218209
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 3.927 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Tgt Ion: 43 Resp: 9741
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

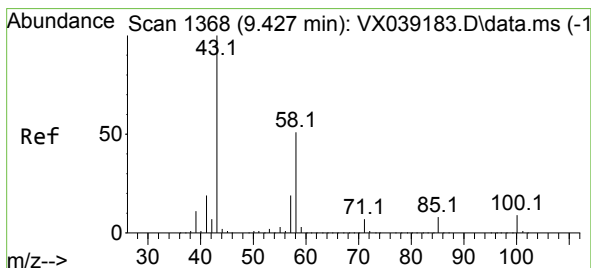
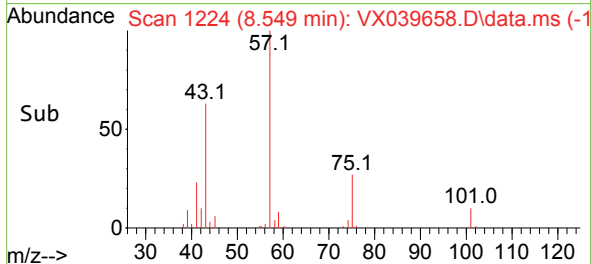
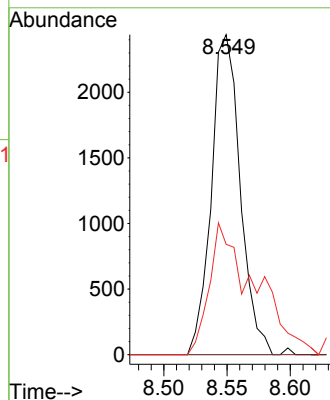
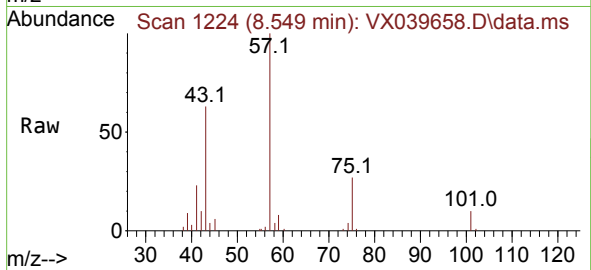




#54
 cis-1,3-Dichloropropene
 Concen: 1.653 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX039658.D
 Acq: 08 Jan 2024 12:04

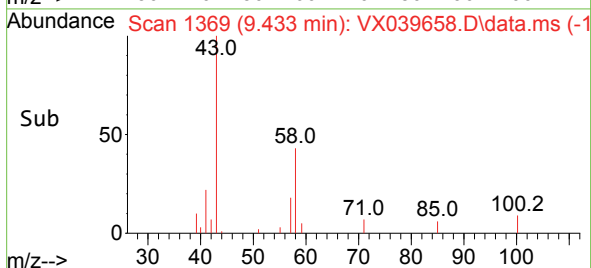
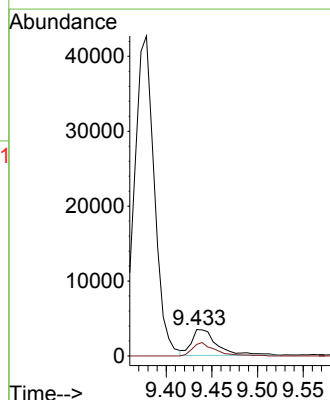
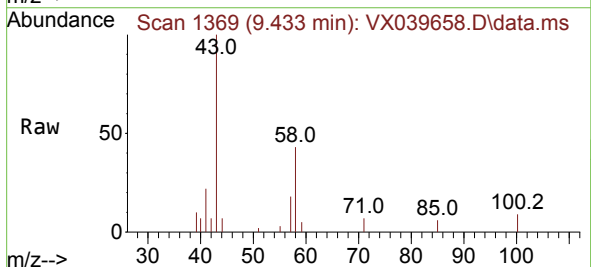
Instrument :
 MSVOA_X
 ClientSampleId :

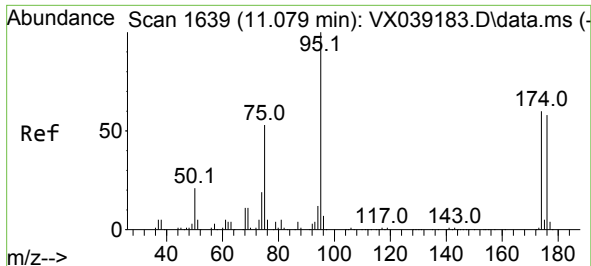
Tgt Ion: 75 Resp: 3872
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 34.5 46.7 70.1#



#59
 2-Hexanone
 Concen: 3.132 ug/l
 RT: 9.433 min Scan# 1369
 Delta R.T. 0.006 min
 Lab File: VX039658.D
 Acq: 08 Jan 2024 12:04

Tgt Ion: 43 Resp: 6705
 Ion Ratio Lower Upper
 43 100
 58 45.8 26.2 78.5

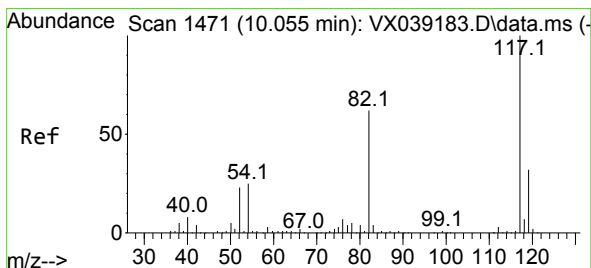
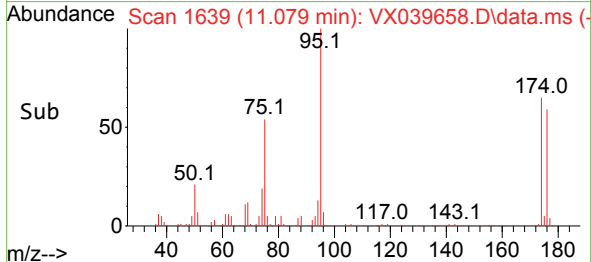
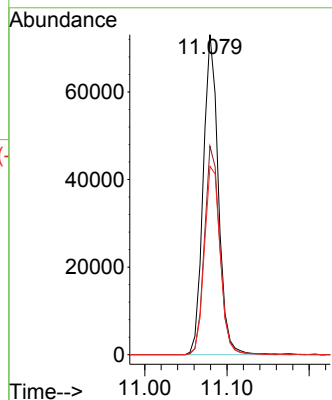
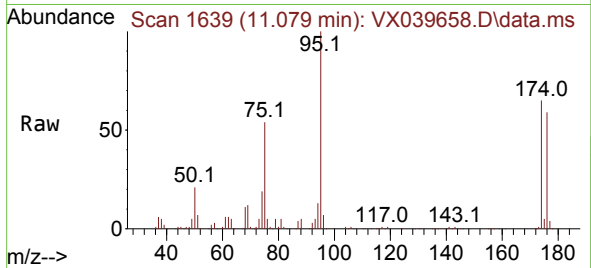




#62
4-Bromofluorobenzene
Concen: 49.505 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

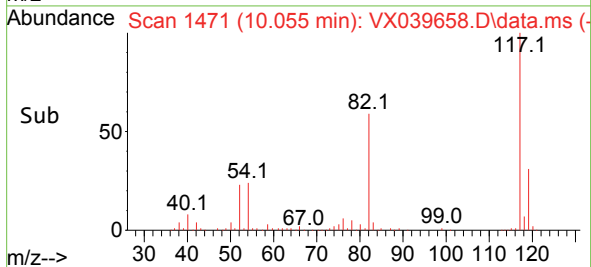
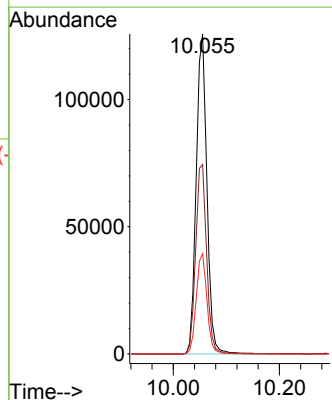
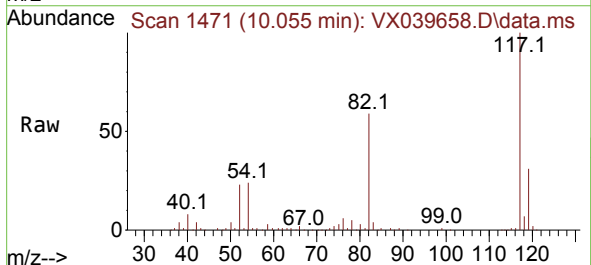
Instrument :
MSVOA_X
ClientSampleId :

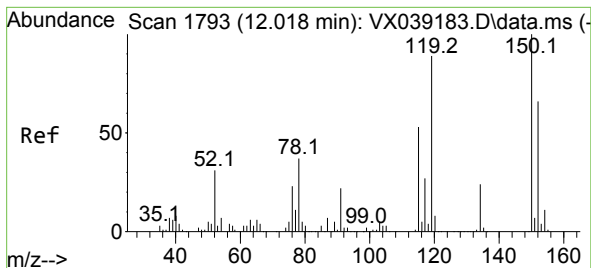
Tgt Ion: 95 Resp: 93133
Ion Ratio Lower Upper
95 100
174 66.0 0.0 135.6
176 62.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Tgt Ion: 117 Resp: 176269
Ion Ratio Lower Upper
117 100
82 59.2 46.2 69.4
119 31.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039658.D

Acq: 08 Jan 2024 12:04

Instrument :

MSVOA_X

ClientSampleId :

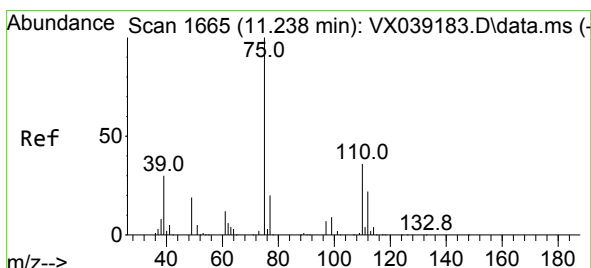
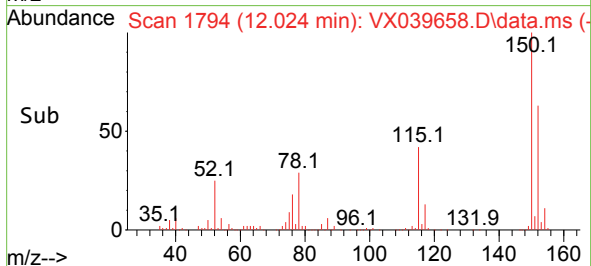
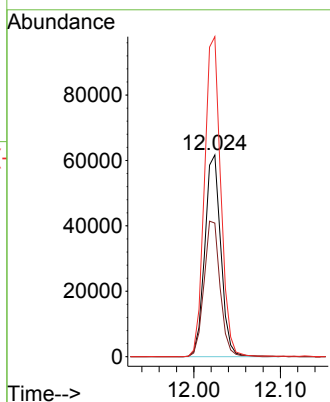
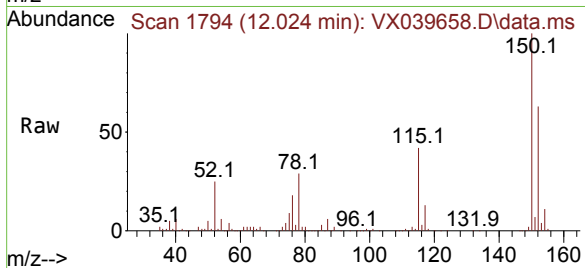
Tgt Ion:152 Resp: 79364

Ion Ratio Lower Upper

152 100

115 67.4 43.3 129.9

150 160.8 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.852 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039658.D

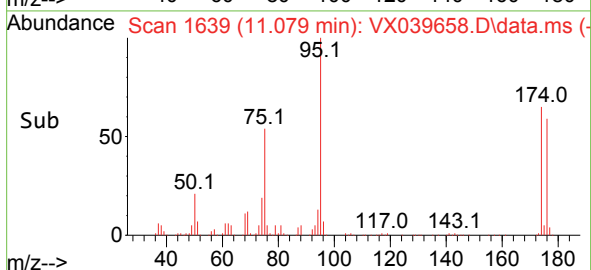
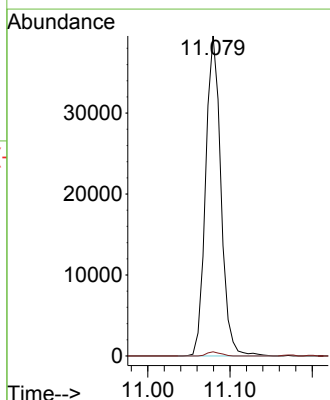
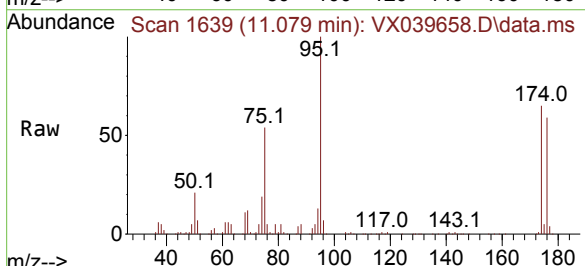
Acq: 08 Jan 2024 12:04

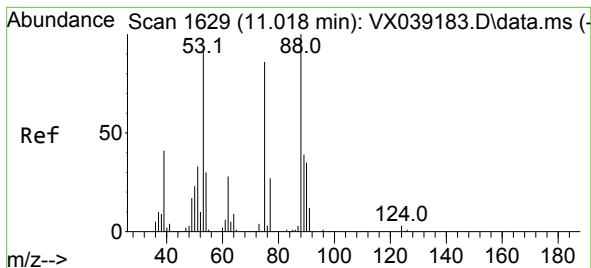
Tgt Ion: 75 Resp: 51028

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

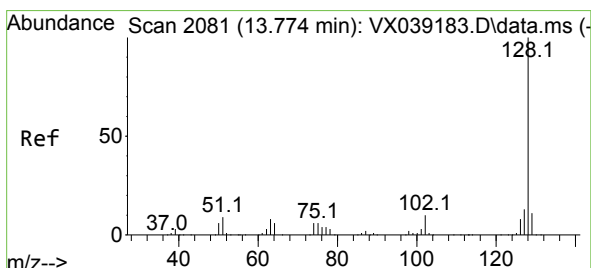
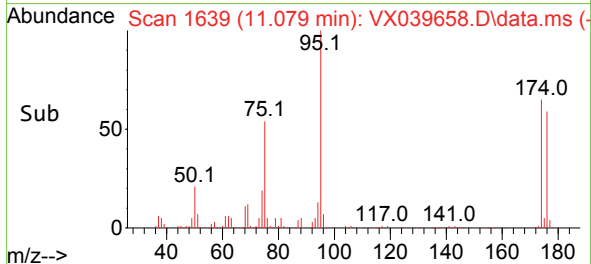
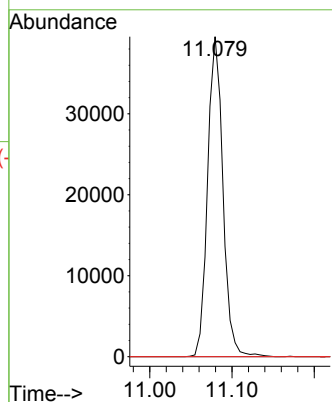
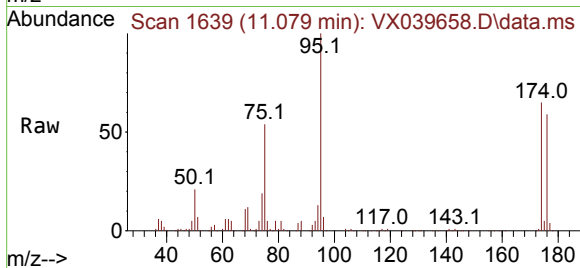




#81
trans-1,4-Dichloro-2-butene
Concen: 70.107 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 51028
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 1.829 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039658.D
Acq: 08 Jan 2024 12:04

Tgt Ion: 128 Resp: 10618
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.0 8.8 13.2

