

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039598.D
 Acq On : 03 Jan 2024 13:43
 Operator : JC/MD
 Sample : P1002-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:31:08 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)

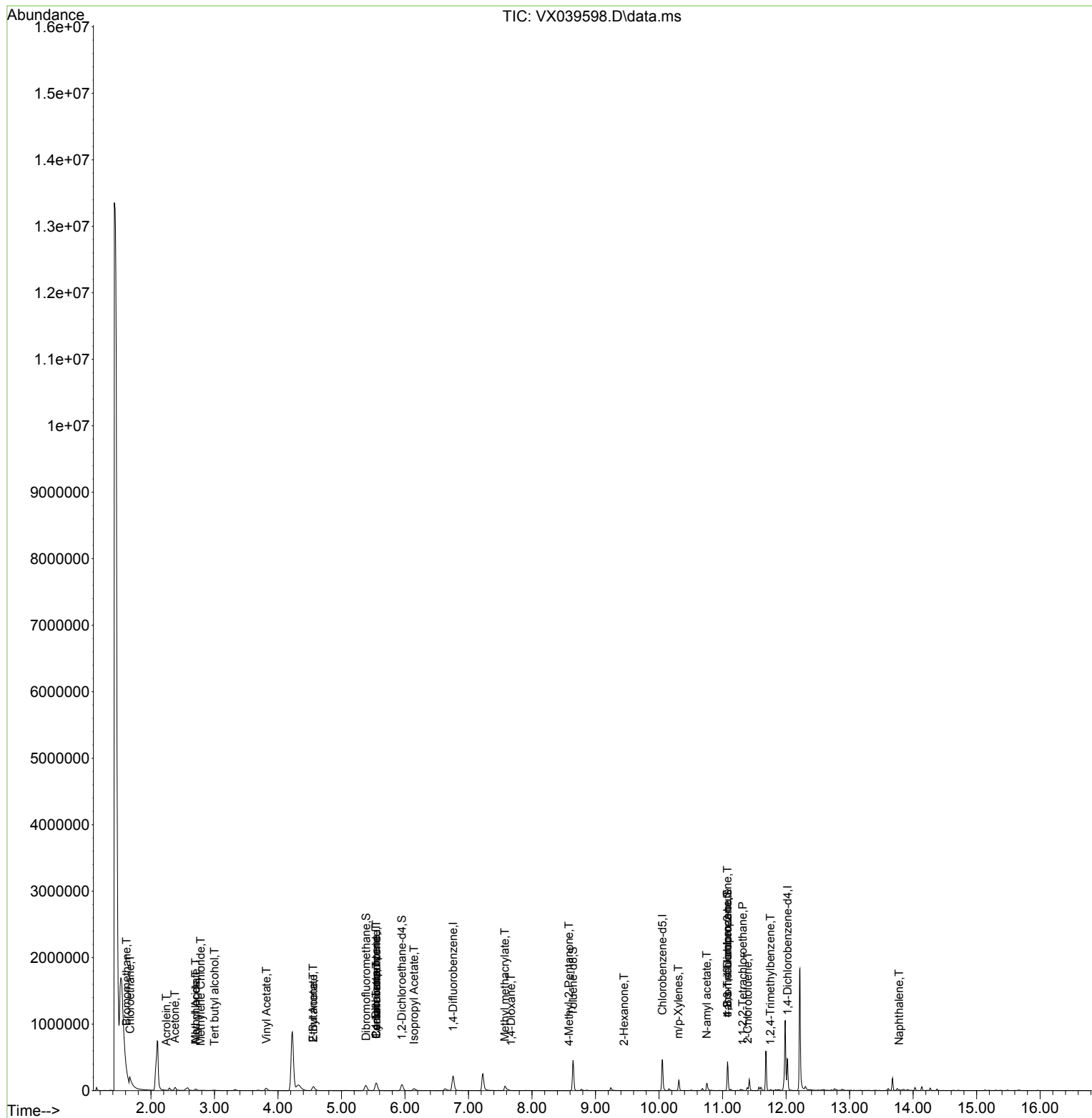
Internal Standards						
1) Pentafluorobenzene	5.550	168	100698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87623	47.499	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.000%		
35) Dibromofluoromethane	5.385	113	67576	46.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.940%		
50) Toluene-d8	8.647	98	259223	48.020	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.040%		
62) 4-Bromofluorobenzene	11.079	95	106795	47.949	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.900%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	286	0.341	ug/l #	3
6) Chloroethane	1.672	64	201	0.229	ug/l #	43
11) Tert butyl alcohol	3.001	59	8344	18.012	ug/l #	92
13) Acrolein	2.239	56	318	0.860	ug/l #	69
14) Allyl chloride	2.703	41	548	0.209	ug/l #	24
16) Acetone	2.380	43	48025	23.607	ug/l #	85
18) Methyl Acetate	2.703	43	28523	7.149	ug/l	100
20) Methylene Chloride	2.782	84	432	0.281	ug/l #	78
23) Vinyl Acetate	3.818	43	12609	3.547	ug/l #	73
25) 2-Butanone	4.556	43	114842	72.144	ug/l	98
31) Cyclohexane	5.550	56	2782	1.168	ug/l #	6
36) 1,1-Dichloropropene	5.544	75	9757	4.252	ug/l #	50
37) Ethyl Acetate	4.556	43	114929	40.542	ug/l #	69
38) Carbon Tetrachloride	5.550	117	11130	5.083	ug/l #	14
43) Isopropyl Acetate	6.141	43	29234	6.342	ug/l #	62
48) Methyl methacrylate	7.574	41	24295	9.015	ug/l #	50
49) 1,4-Dioxane	7.671	88	791	21.775	ug/l #	12
51) 4-Methyl-2-Pentanone	8.580	43	712	0.242	ug/l	99
59) 2-Hexanone	9.451	43	653	0.258	ug/l	74
68) m/p-Xylenes	10.305	106	1082	0.363	ug/l	99
74) N-amyl acetate	10.750	43	25671	7.641	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.317	83	6038	2.444	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	56761	25.491	ug/l #	39
79) 2-Chlorotoluene	11.396	91	1117	0.226	ug/l #	1
81) trans-1,4-Dichloro-2-b...	11.079	75	56761	71.910	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	4218	0.727	ug/l	70
95) Naphthalene	13.780	128	2115	0.336	ug/l #	91

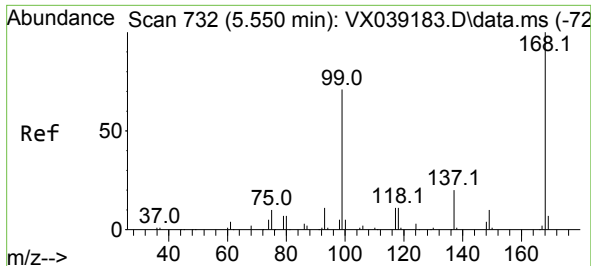
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX039598.D
Acq On : 03 Jan 2024 13:43
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Sample : P1002-02
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
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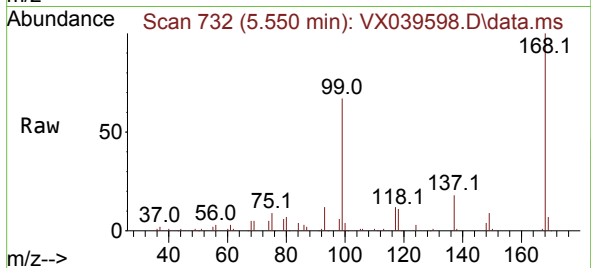
Quant Time: Jan 04 03:31:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
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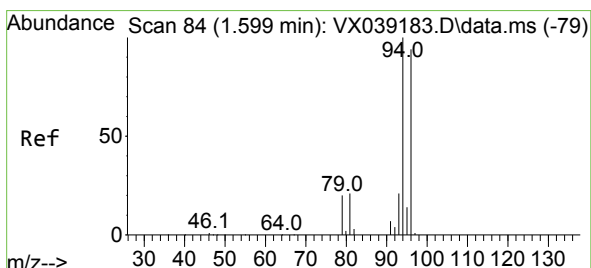
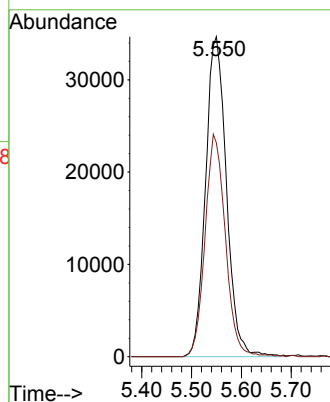
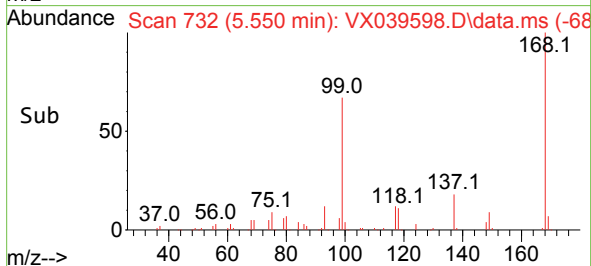


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :

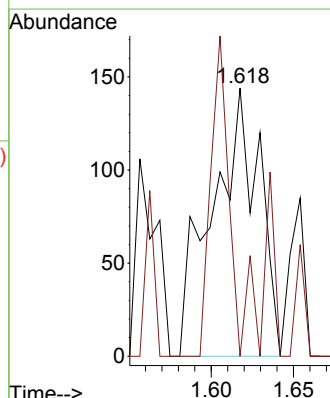
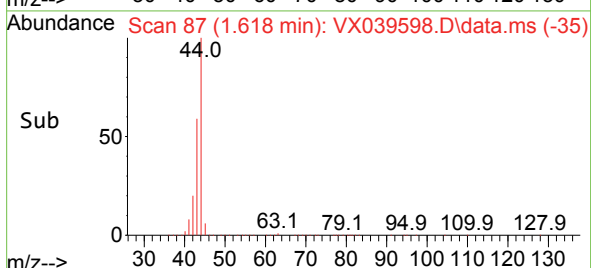
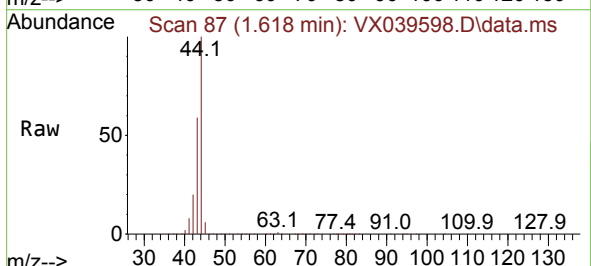


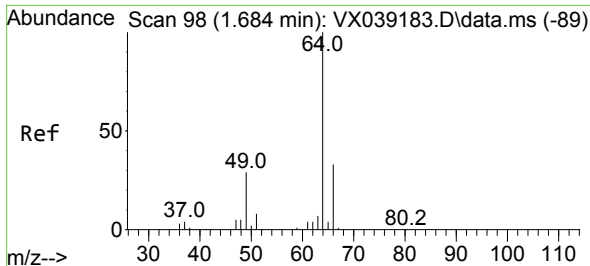
Tgt Ion:168 Resp: 100698
Ion Ratio Lower Upper
168 100
99 66.8 56.6 85.0



#5
Bromomethane
Concen: 0.341 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 94 Resp: 286
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

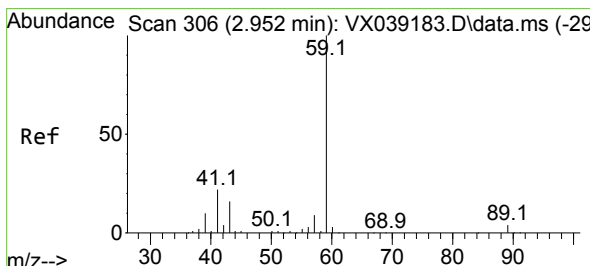
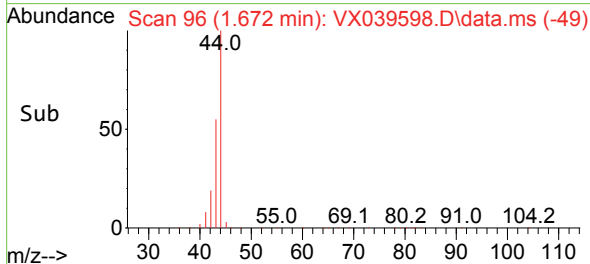
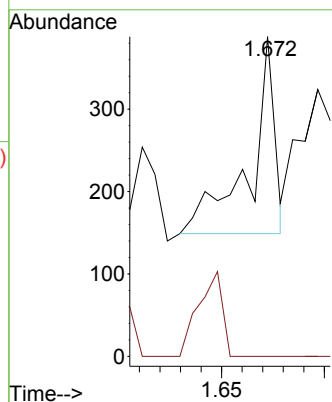
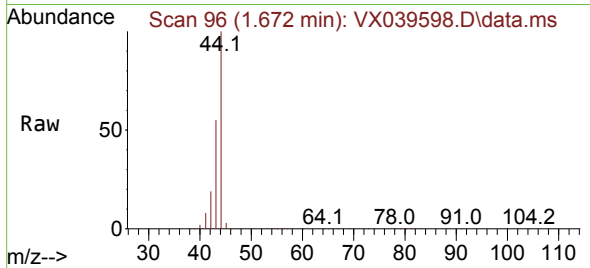




#6
Chloroethane
Concen: 0.229 ug/l
RT: 1.672 min Scan# 90
Delta R.T. -0.012 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

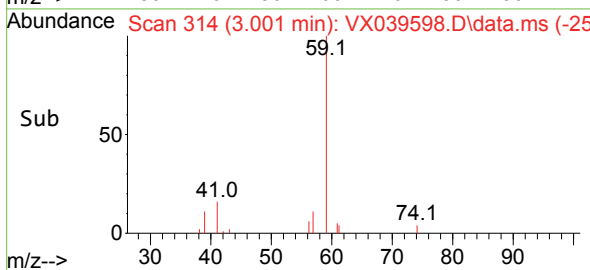
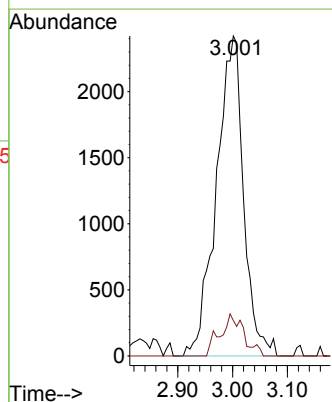
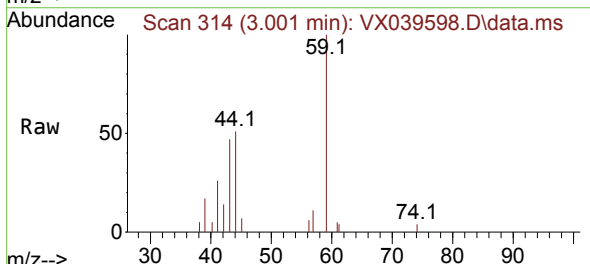
Instrument :
MSVOA_X
ClientSampleId :

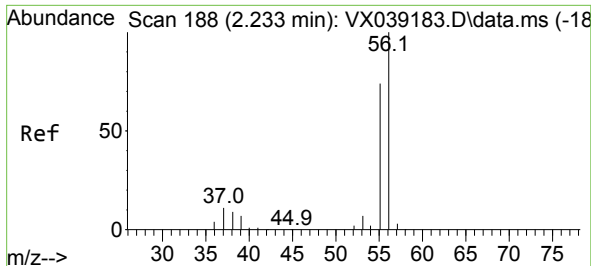
Tgt Ion: 64 Resp: 201
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 18.012 ug/l
RT: 3.001 min Scan# 314
Delta R.T. 0.049 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 59 Resp: 8344
Ion Ratio Lower Upper
59 100
57 10.4 6.0 9.0#





#13

Acrolein

Concen: 0.860 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX039598.D

Acq: 03 Jan 2024 13:43

Instrument :

MSVOA_X

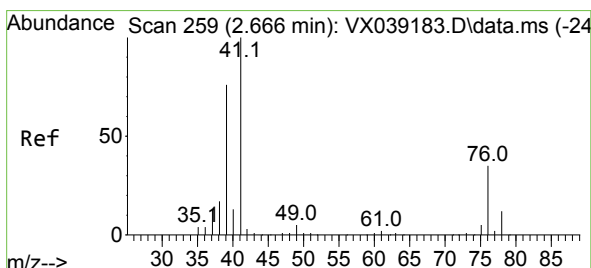
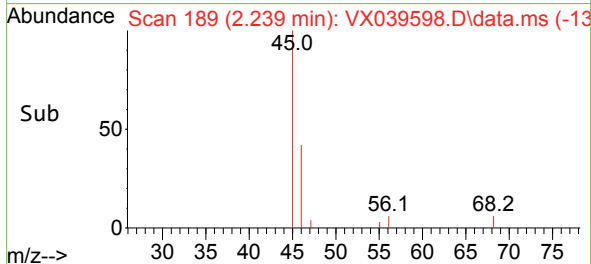
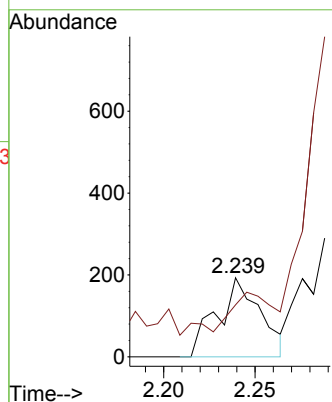
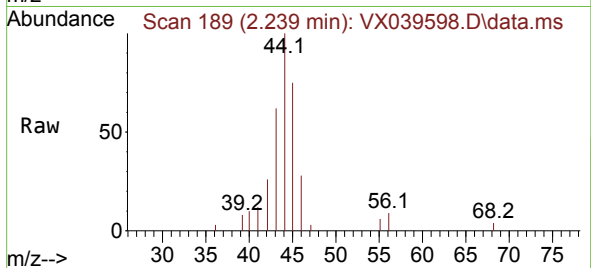
ClientSampleId :

Tgt Ion: 56 Resp: 318

Ion Ratio Lower Upper

56 100

55 45.9 57.1 85.7#



#14

Allyl chloride

Concen: 0.209 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.037 min

Lab File: VX039598.D

Acq: 03 Jan 2024 13:43

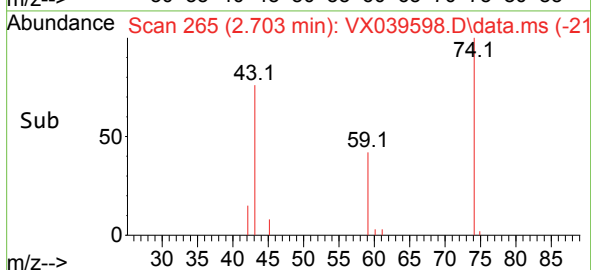
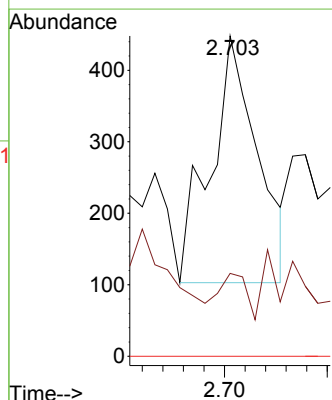
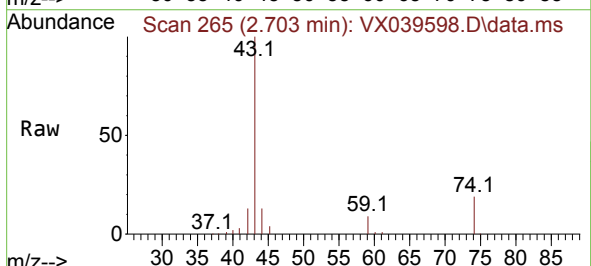
Tgt Ion: 41 Resp: 548

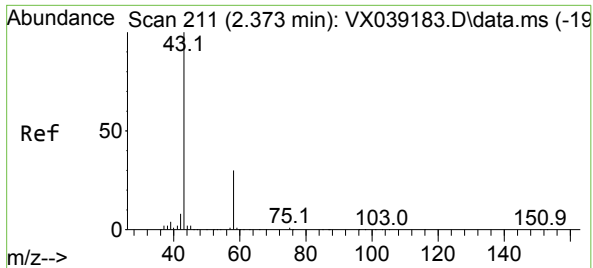
Ion Ratio Lower Upper

41 100

39 0.0 55.8 83.6#

76 0.0 24.3 36.5#

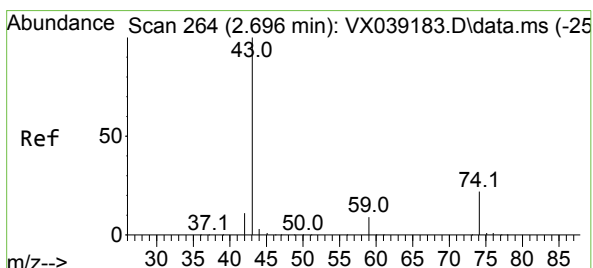
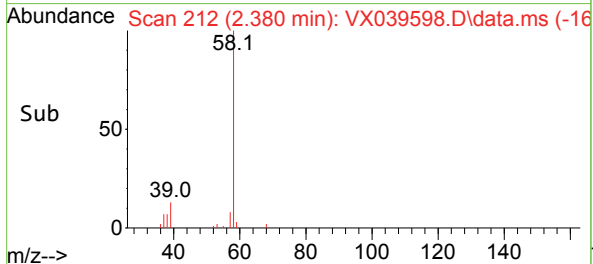
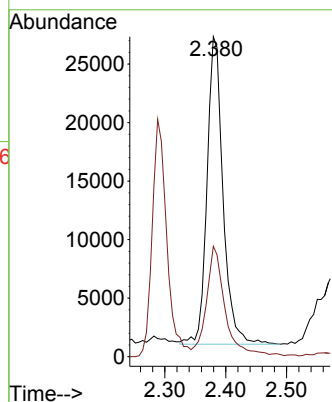
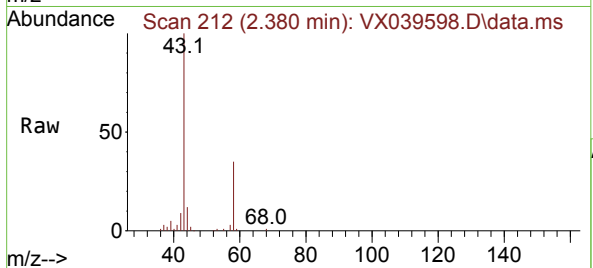




#16
Acetone
Concen: 23.607 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

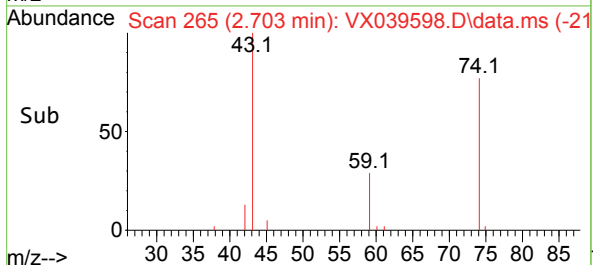
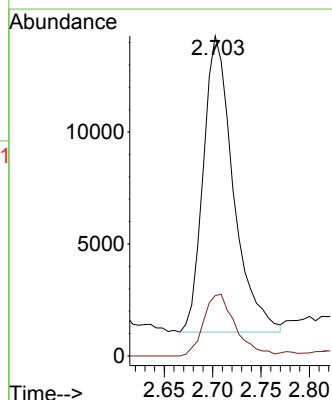
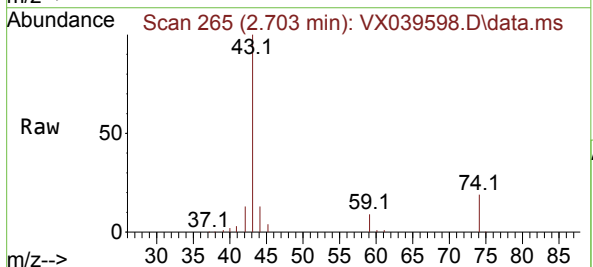
Instrument :
MSVOA_X
ClientSampleId :

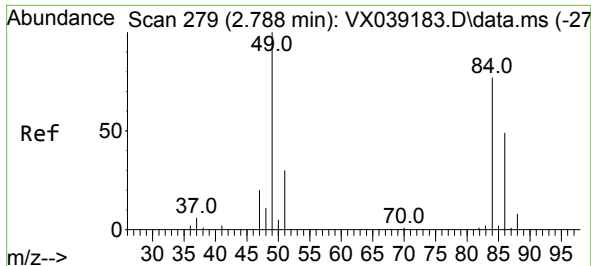
Tgt Ion: 43 Resp: 48025
Ion Ratio Lower Upper
43 100
58 35.2 21.9 32.9#



#18
Methyl Acetate
Concen: 7.149 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

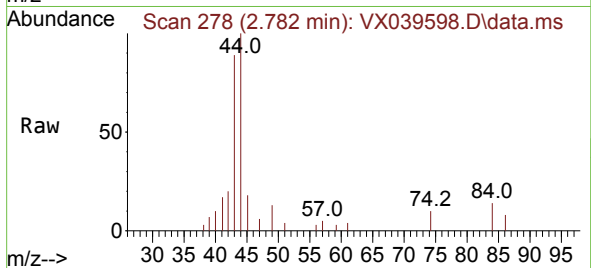
Tgt Ion: 43 Resp: 28523
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.8





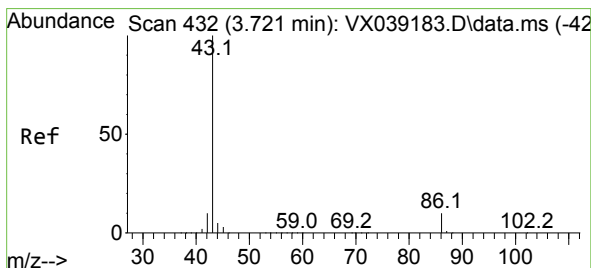
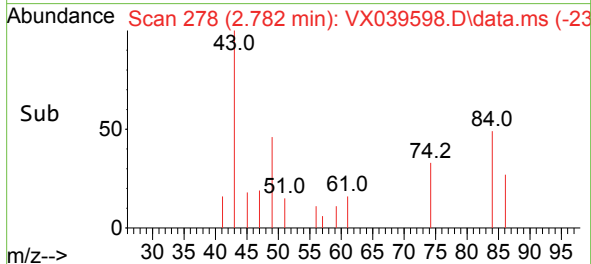
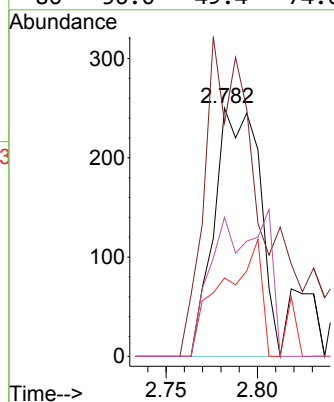
#20
Methylene Chloride
Concen: 0.281 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 432

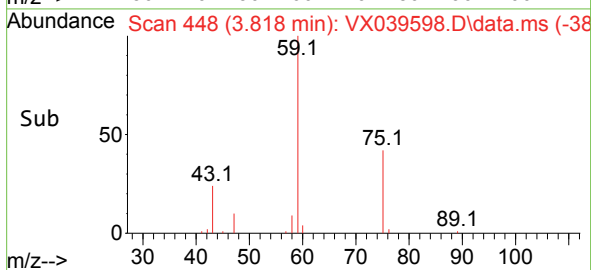
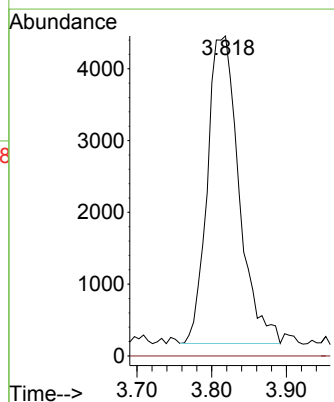
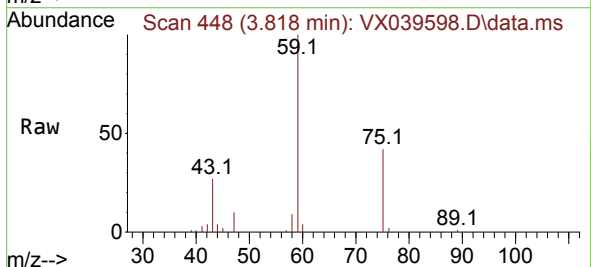
Ion	Ratio	Lower	Upper
84	100		
49	94.0	103.6	155.4#
51	31.6	33.8	50.6#
86	56.0	49.4	74.0

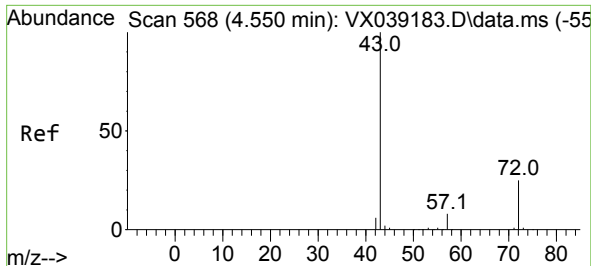


#23
Vinyl Acetate
Concen: 3.547 ug/l
RT: 3.818 min Scan# 448
Delta R.T. 0.098 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 43 Resp: 12609

Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#

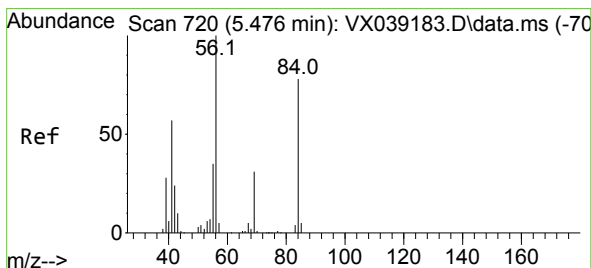
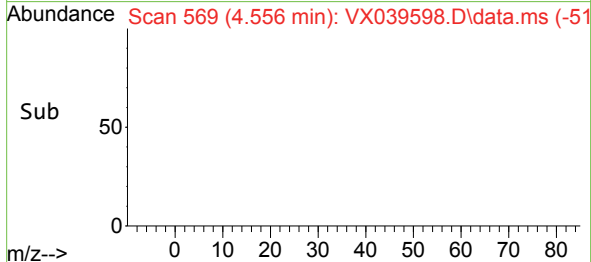
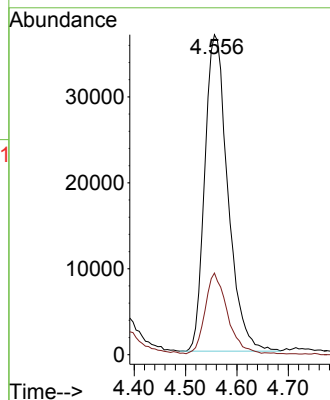
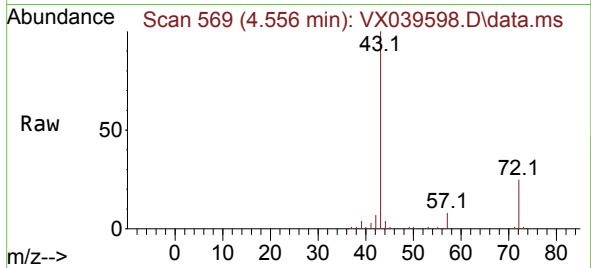




#25
2-Butanone
Concen: 72.144 ug/l
RT: 4.556 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

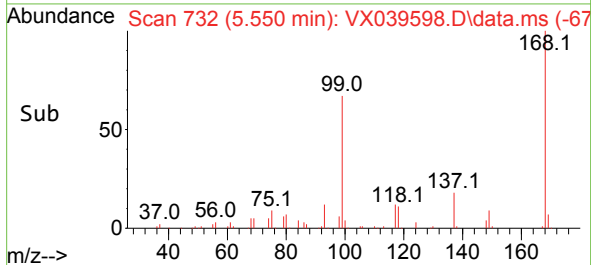
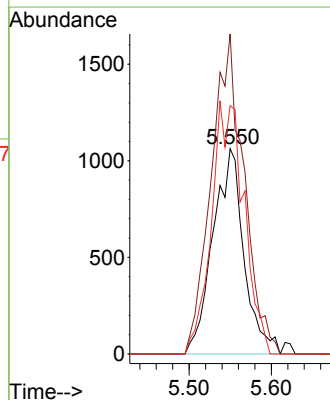
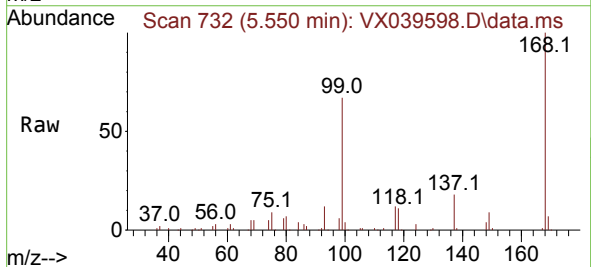
Instrument :
MSVOA_X
ClientSampleId :

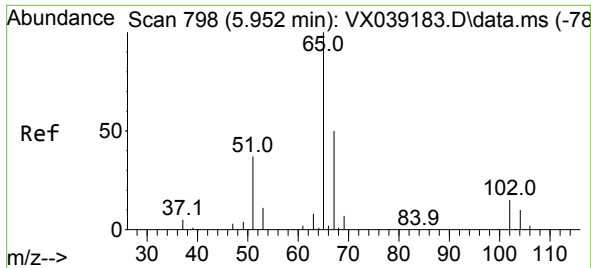
Tgt Ion: 43 Resp: 114842
Ion Ratio Lower Upper
43 100
72 25.4 19.4 29.2



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.073 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 56 Resp: 2782
Ion Ratio Lower Upper
56 100
69 155.9 23.4 35.2#
84 120.9 65.9 98.9#

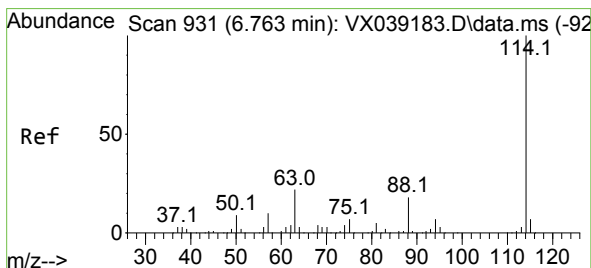
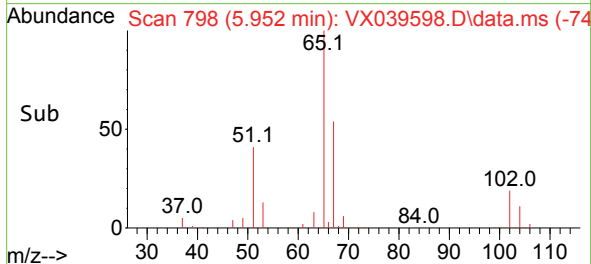
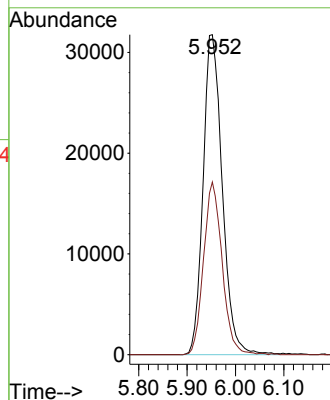
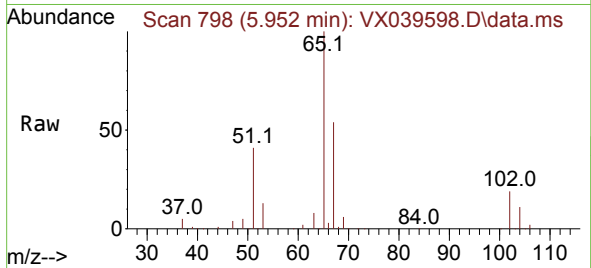




#33
 1,2-Dichloroethane-d4
 Concen: 47.499 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039598.D
 Acq: 03 Jan 2024 13:43

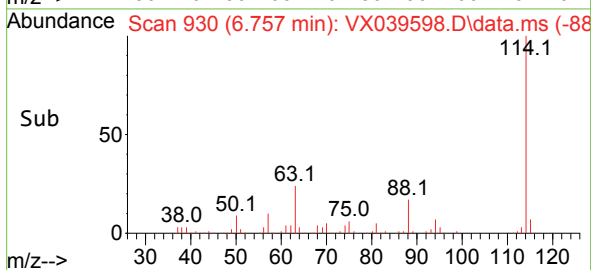
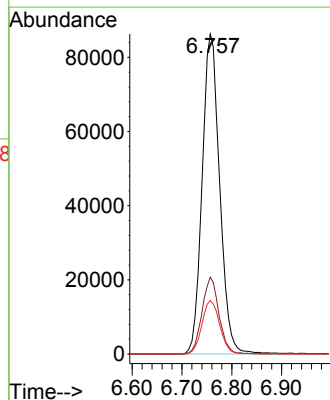
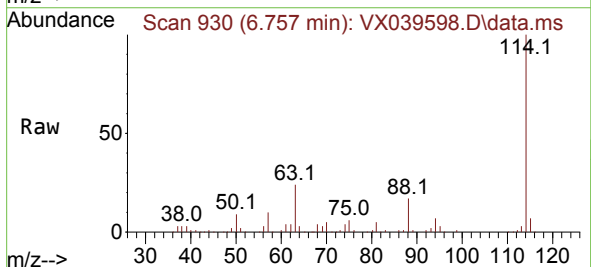
Instrument :
 MSVOA_X
 ClientSampleId :

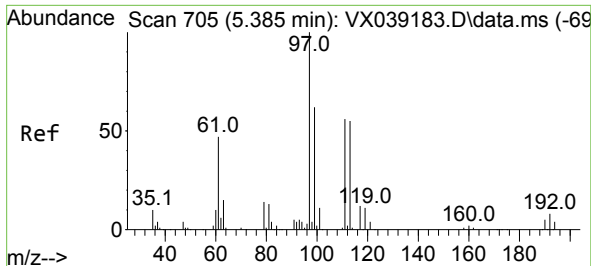
Tgt Ion: 65 Resp: 87623
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039598.D
 Acq: 03 Jan 2024 13:43

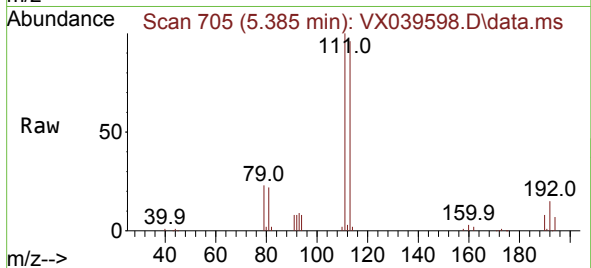
Tgt Ion: 114 Resp: 210473
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.0
 88 16.7 0.0 36.6



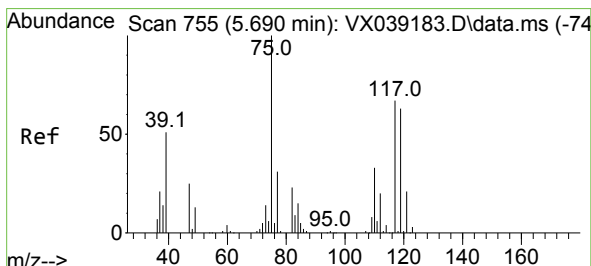
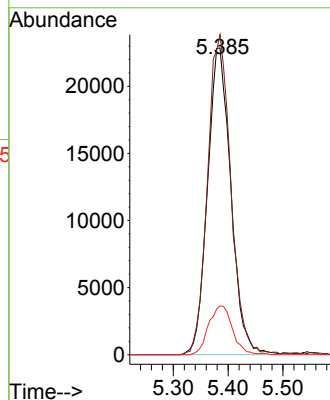
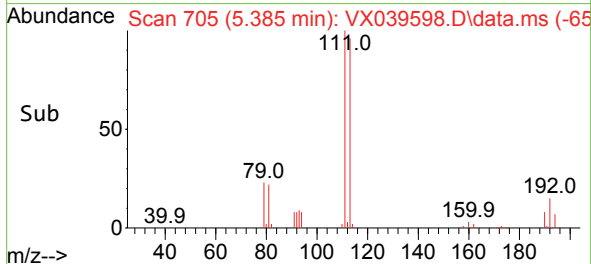


#35
Dibromofluoromethane
Concen: 46.474 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :

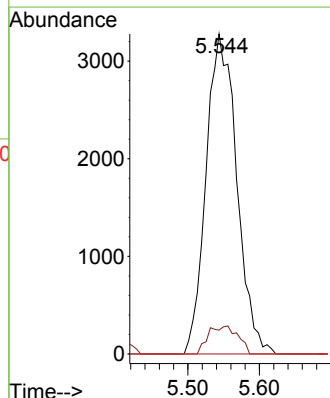
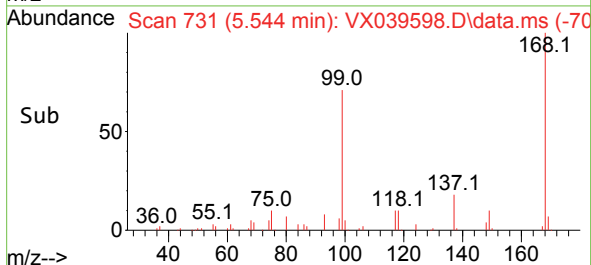
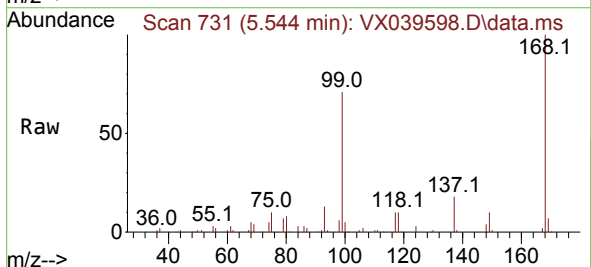


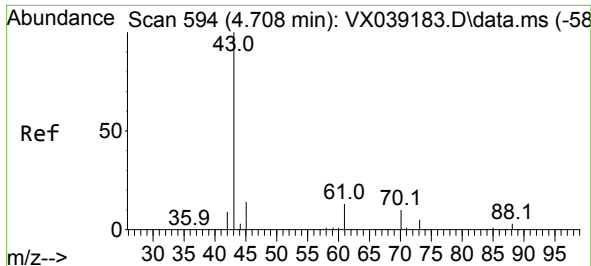
Tgt Ion:113 Resp: 67576
Ion Ratio Lower Upper
113 100
111 104.2 82.9 124.3
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.252 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 75 Resp: 9757
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 40.542 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.152 min

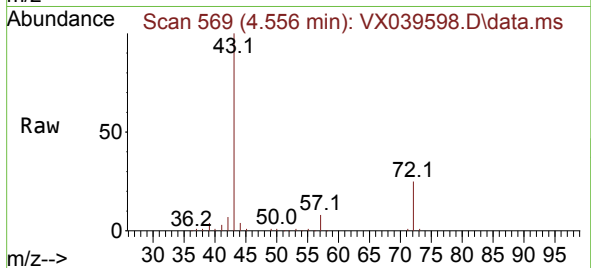
Lab File: VX039598.D

Acq: 03 Jan 2024 13:43

Instrument :

MSVOA_X

ClientSampleId :



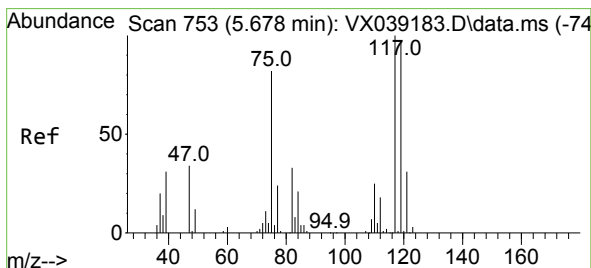
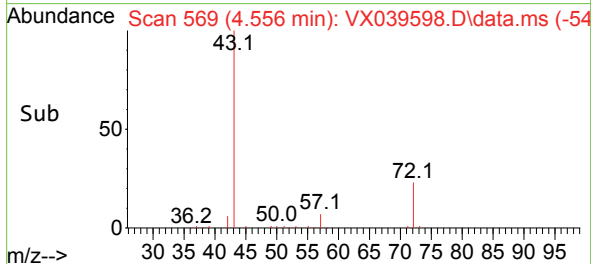
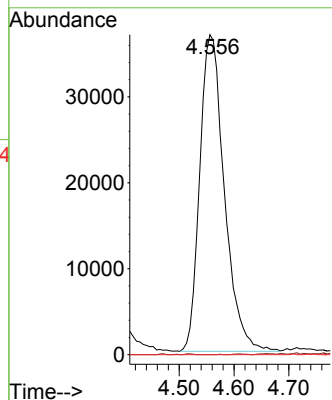
Tgt Ion: 43 Resp: 114929

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 5.083 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX039598.D

Acq: 03 Jan 2024 13:43

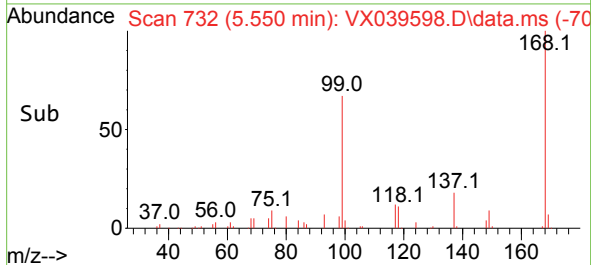
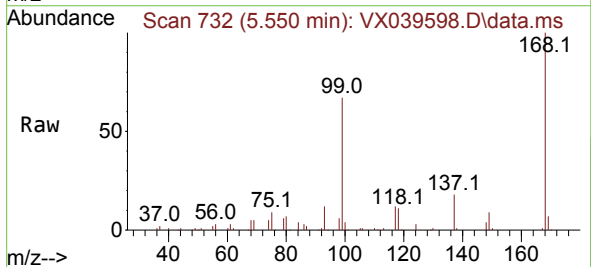
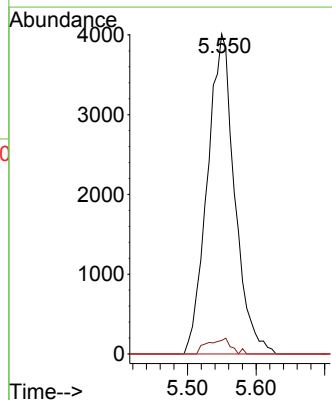
Tgt Ion: 117 Resp: 11130

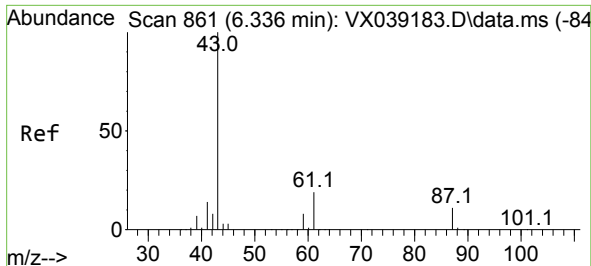
Ion Ratio Lower Upper

117 100

119 4.2 78.2 117.2#

121 0.0 24.4 36.6#

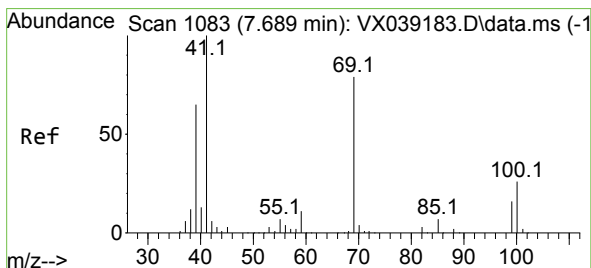
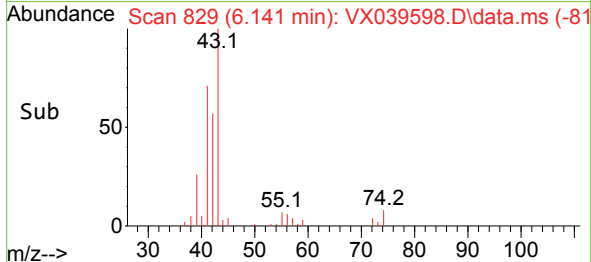
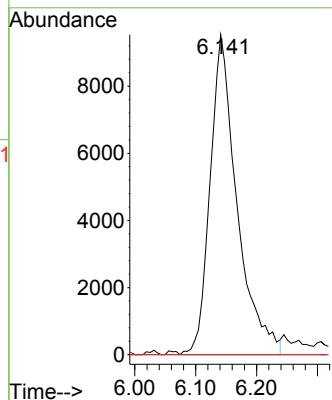
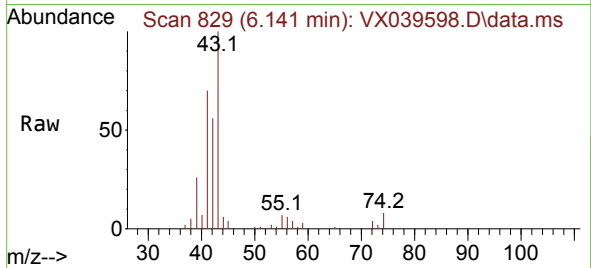




#43
Isopropyl Acetate
Concen: 6.342 ug/l
RT: 6.141 min Scan# 81
Delta R.T. -0.195 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

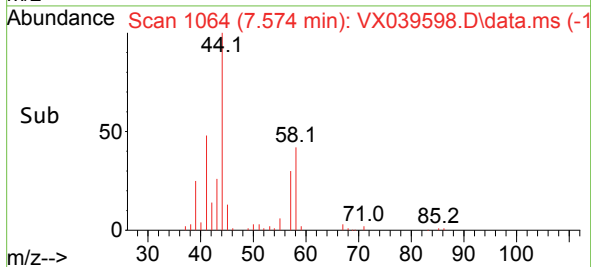
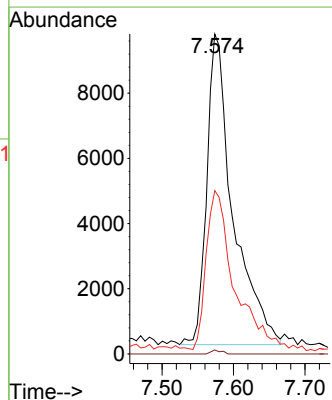
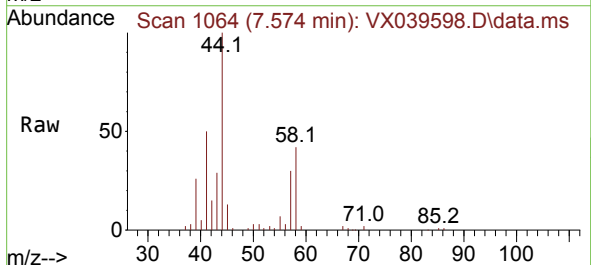
Instrument :
MSVOA_X
ClientSampleId :

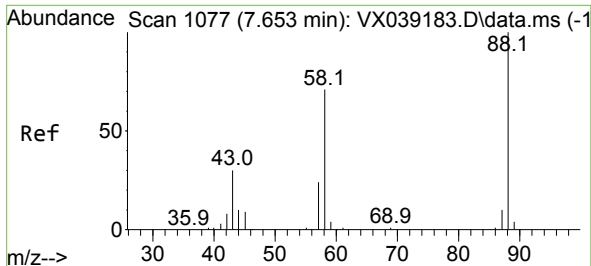
Tgt Ion: 43 Resp: 29234
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#48
Methyl methacrylate
Concen: 9.015 ug/l
RT: 7.574 min Scan# 1064
Delta R.T. -0.116 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

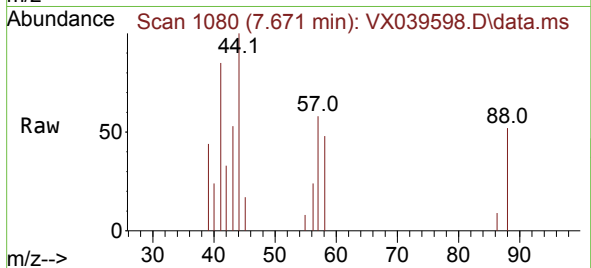
Tgt Ion: 41 Resp: 24295
Ion Ratio Lower Upper
41 100
69 0.5 59.2 88.8#
39 56.5 47.7 71.5



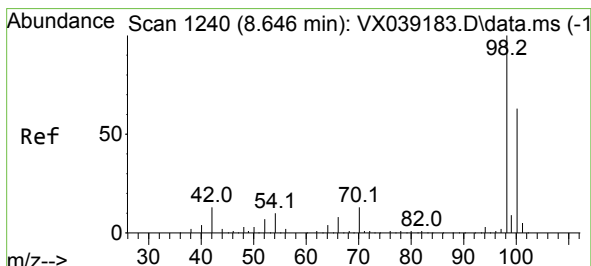
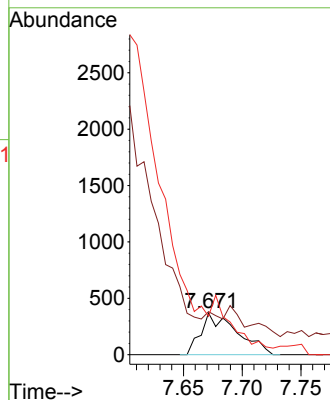
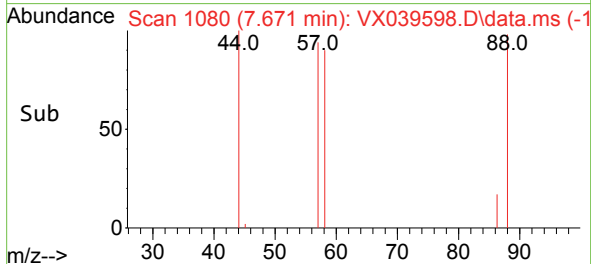


#49
1,4-Dioxane
Concen: 21.775 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.019 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Instrument :
MSVOA_X
ClientSampleId :

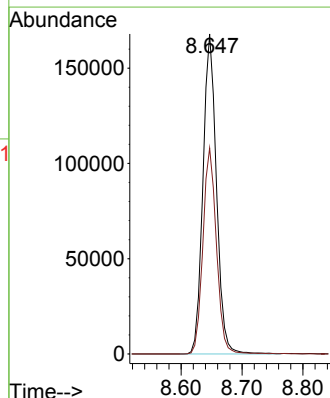
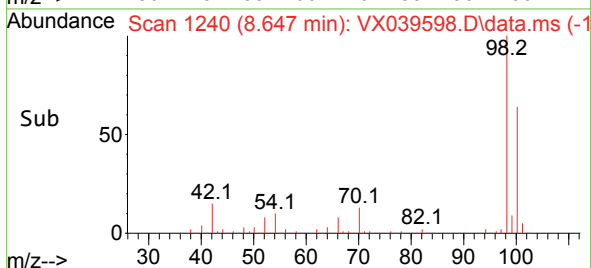
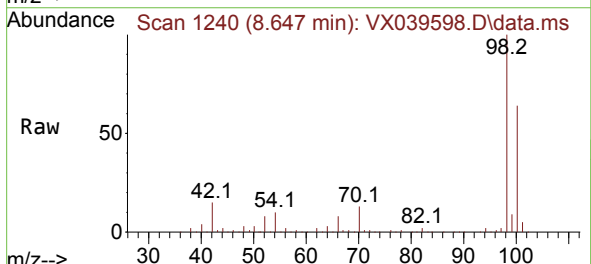


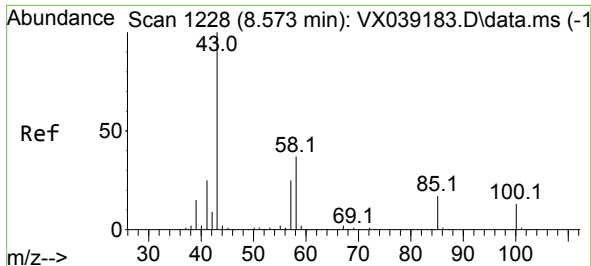
Tgt Ion: 88 Resp: 791
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 60.1 90.1#



#50
Toluene-d8
Concen: 48.020 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 98 Resp: 259223
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

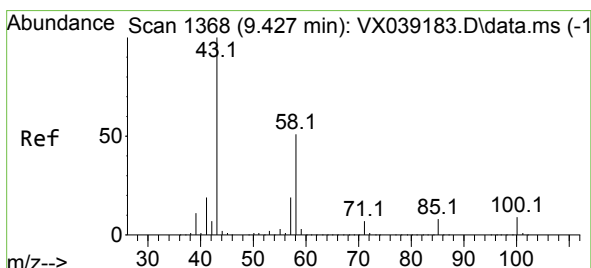
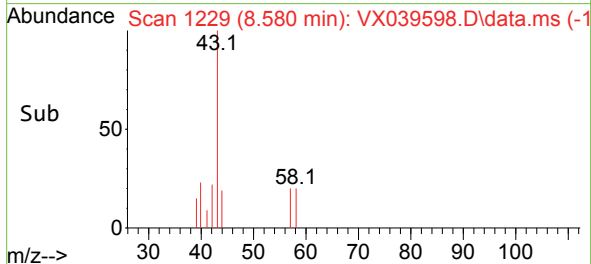
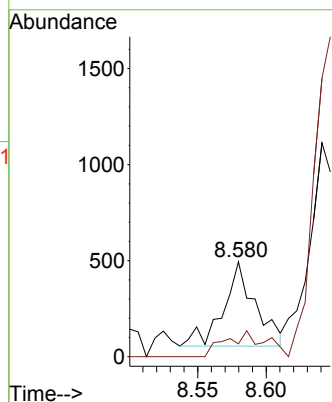
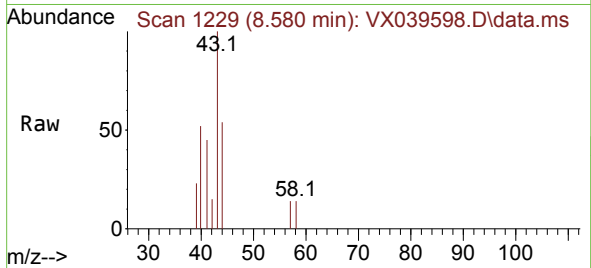




#51
4-Methyl-2-Pentanone
Concen: 0.242 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

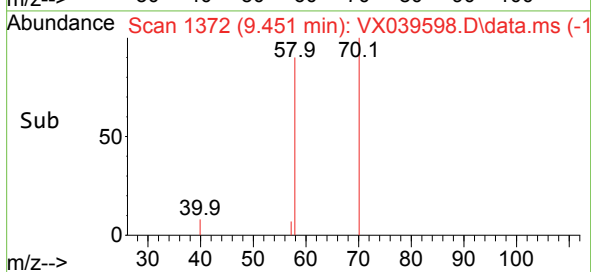
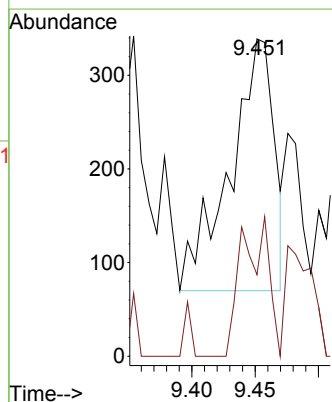
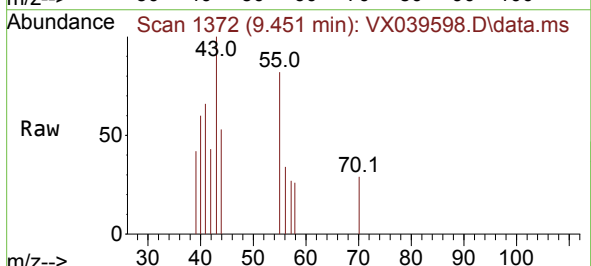
Instrument :
MSVOA_X
ClientSampleId :

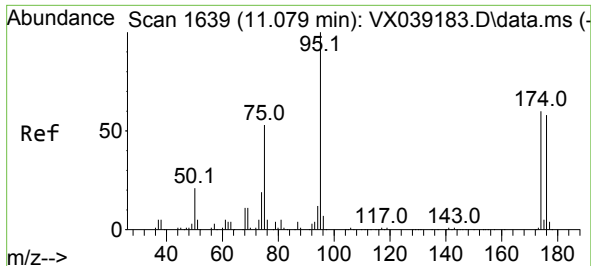
Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 37.6 30.4 45.6



#59
2-Hexanone
Concen: 0.258 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.025 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 43 Resp: 653
Ion Ratio Lower Upper
43 100
58 33.7 26.2 78.5

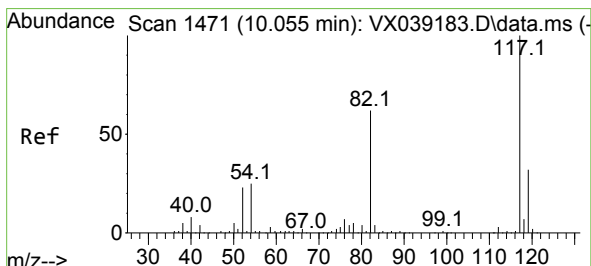
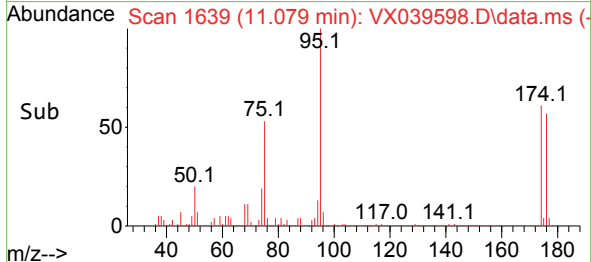
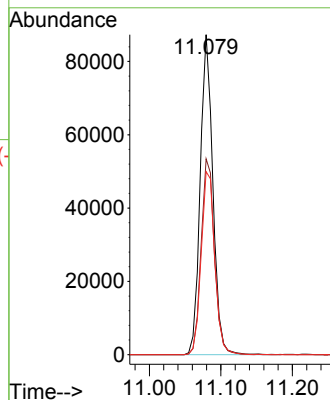
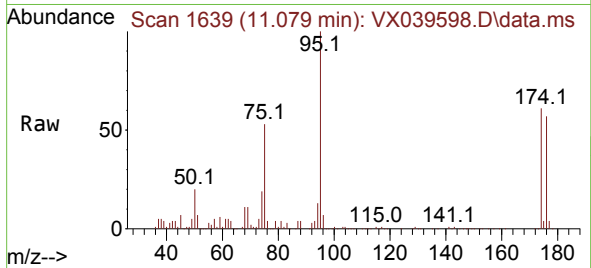




#62
4-Bromofluorobenzene
Concen: 47.949 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

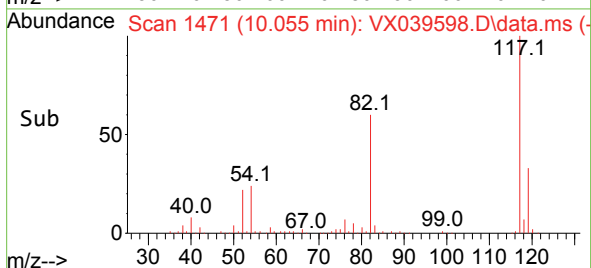
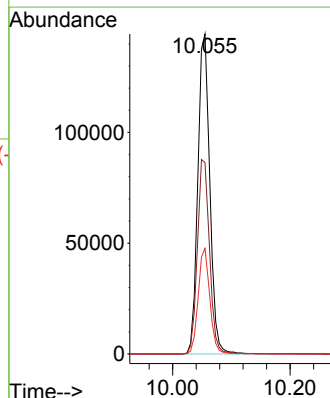
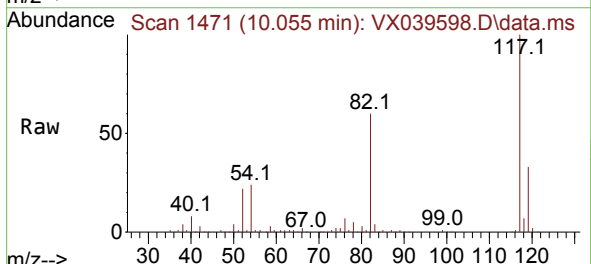
Instrument :
MSVOA_X
ClientSampleId :

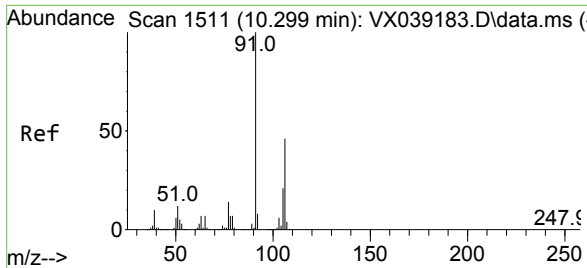
Tgt Ion: 95 Resp: 106795
Ion Ratio Lower Upper
95 100
174 64.6 0.0 135.6
176 61.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 117 Resp: 204811
Ion Ratio Lower Upper
117 100
82 59.8 46.2 69.4
119 33.0 25.5 38.3

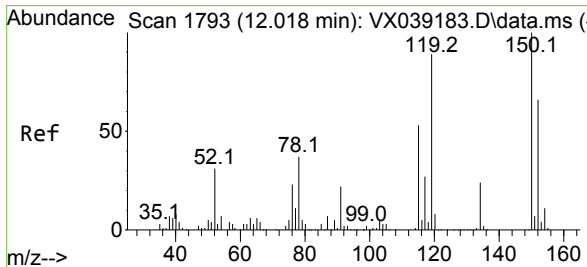
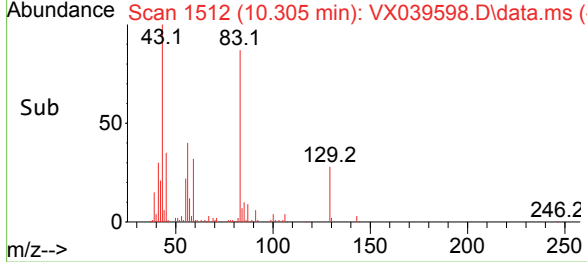
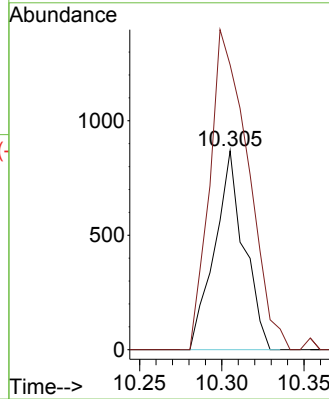
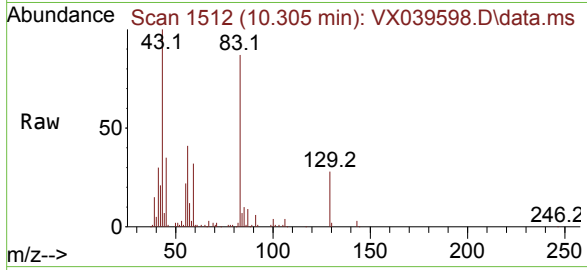




#68
m/p-Xylenes
Concen: 0.363 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

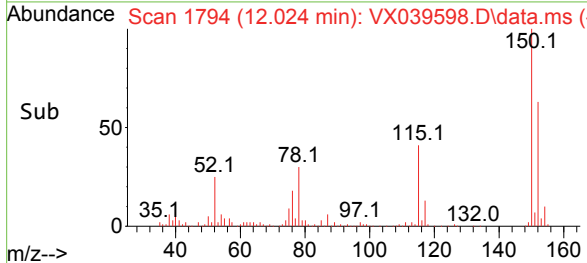
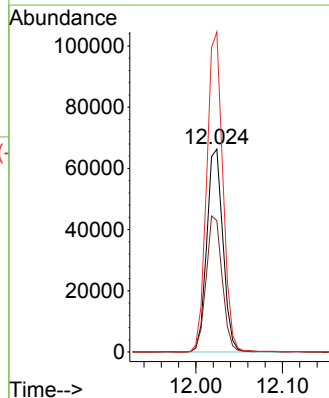
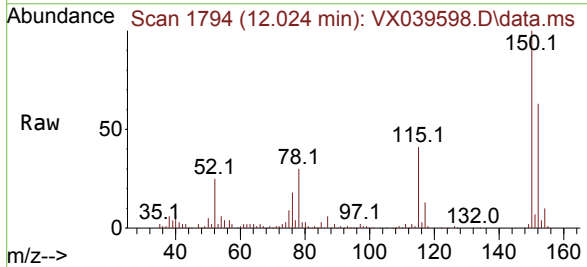
Instrument :
MSVOA_X
ClientSampleId :

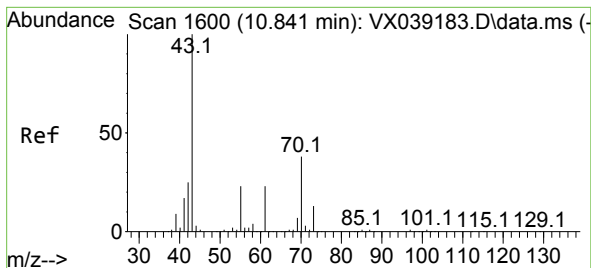
Tgt Ion:106 Resp: 1082
Ion Ratio Lower Upper
106 100
91 208.8 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion:152 Resp: 86067
Ion Ratio Lower Upper
152 100
115 66.5 43.3 129.9
150 157.3 0.0 345.0





#74

N-amy1 acetate

Concen: 7.641 ug/l

RT: 10.750 min Scan# 1

Delta R.T. -0.091 min

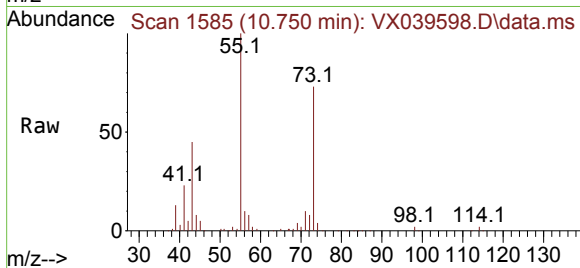
Lab File: VX039598.D

Acq: 03 Jan 2024 13:43

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 25671

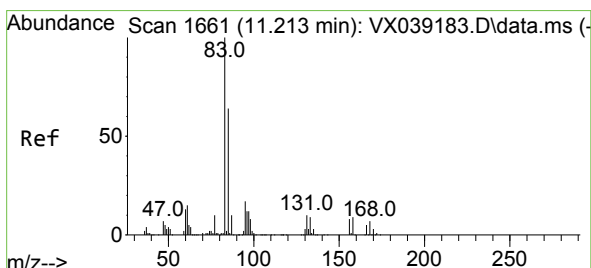
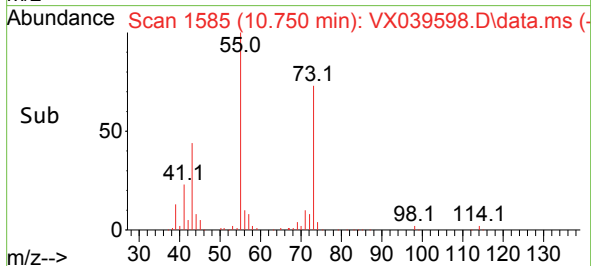
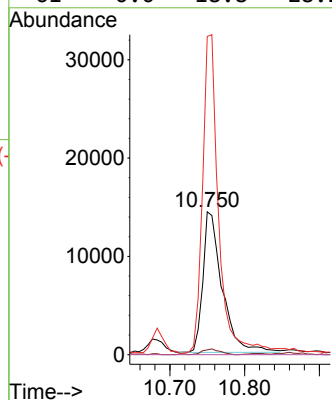
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

43	100		
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70	3.8	32.9	49.3#
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55	192.8	19.3	28.9#
----	-------	------	-------

61	0.0	18.8	28.2#
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#75

1,1,2,2-Tetrachloroethane

Concen: 2.444 ug/l

RT: 11.317 min Scan# 1678

Delta R.T. 0.104 min

Lab File: VX039598.D

Acq: 03 Jan 2024 13:43

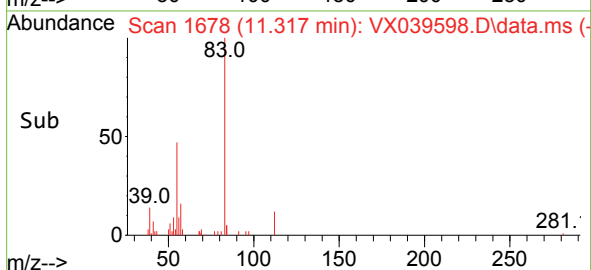
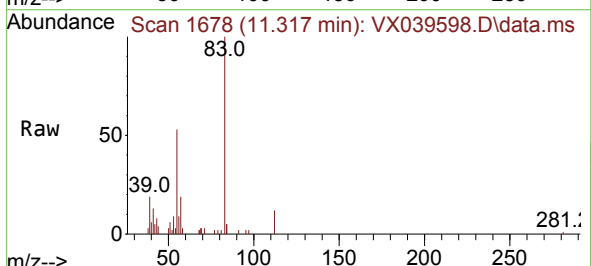
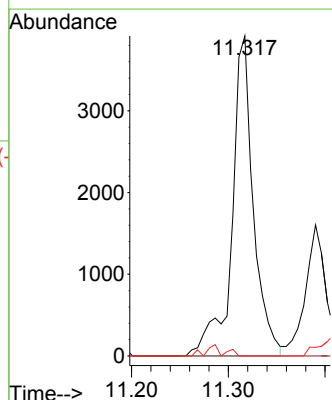
Tgt Ion: 83 Resp: 6038

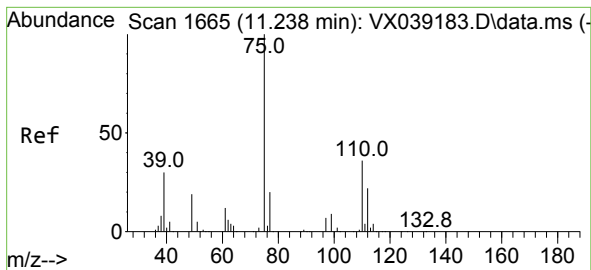
Ion	Ratio	Lower	Upper
-----	-------	-------	-------

83	100		
----	-----	--	--

131	0.0	5.3	15.8#
-----	-----	-----	-------

85	0.0	32.0	96.2#
----	-----	------	-------

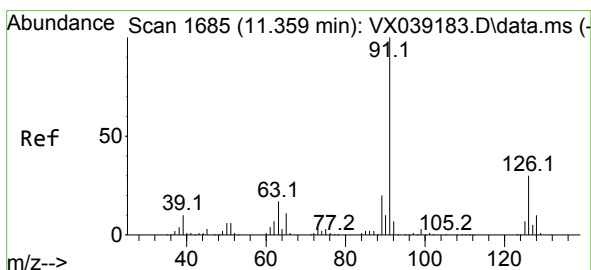
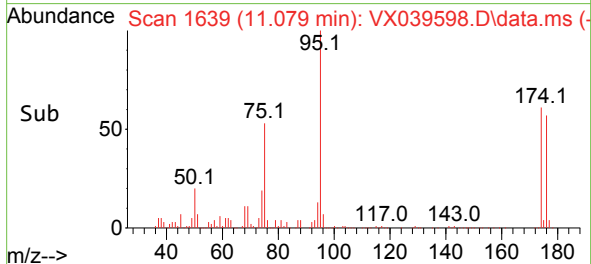
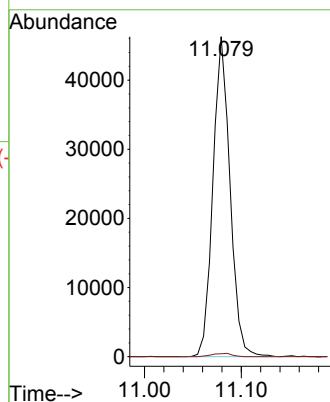
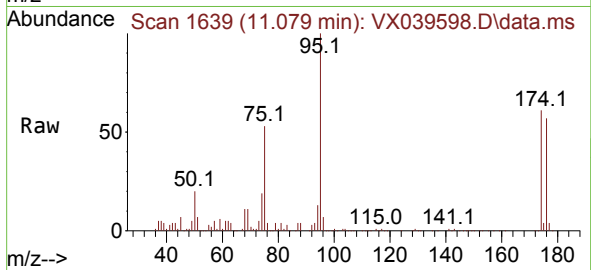




#76
1,2,3-Trichloropropane
Concen: 25.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

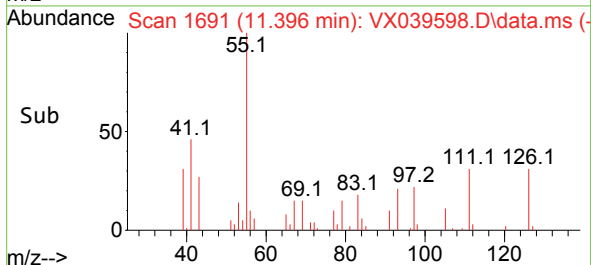
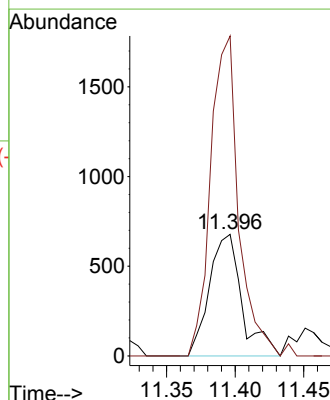
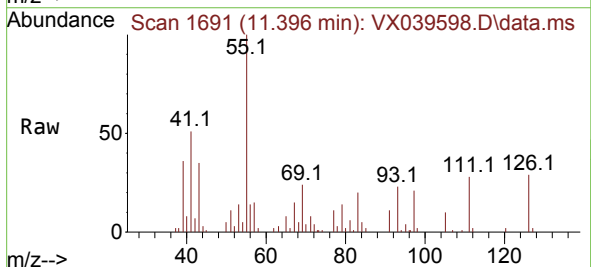
Instrument :
MSVOA_X
ClientSampleId :

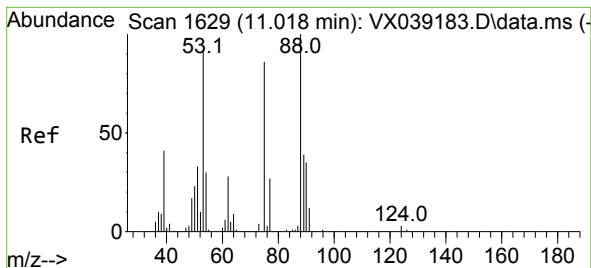
Tgt Ion: 75 Resp: 56761
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#79
2-Chlorotoluene
Concen: 0.226 ug/l
RT: 11.396 min Scan# 1691
Delta R.T. 0.037 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 91 Resp: 1117
Ion Ratio Lower Upper
91 100
126 228.6 16.3 48.8#

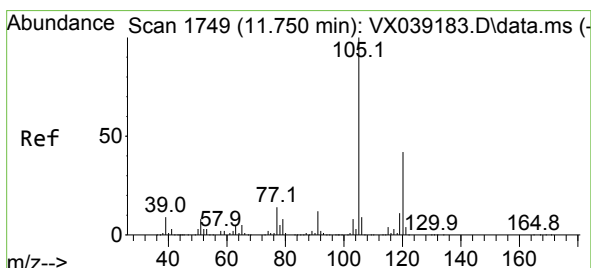
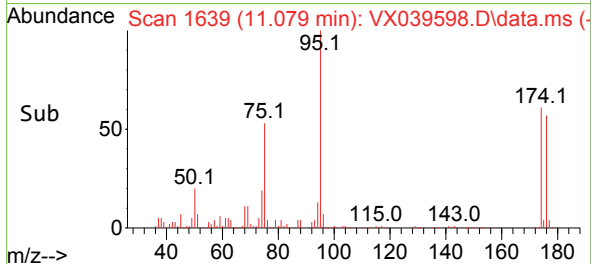
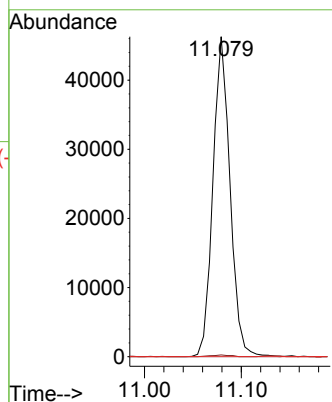
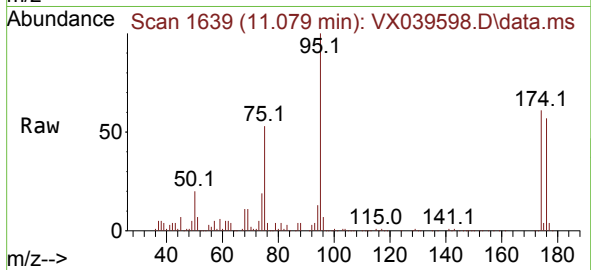




#81
trans-1,4-Dichloro-2-butene
Concen: 71.910 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

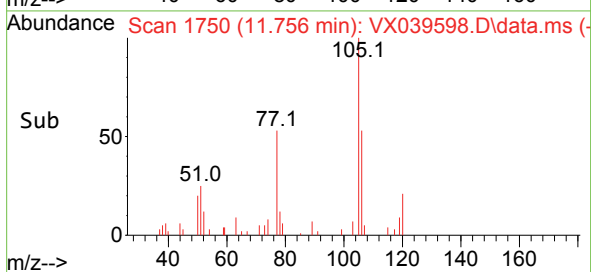
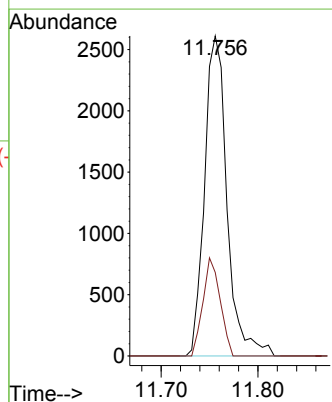
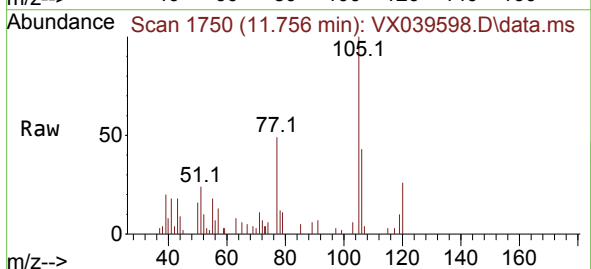
Instrument :
MSVOA_X
ClientSampleId :

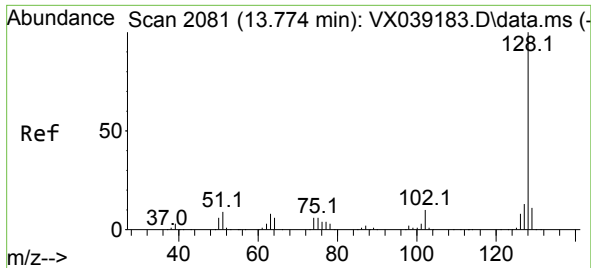
Tgt Ion: 75 Resp: 56761
Ion Ratio Lower Upper
75 100
53 0.6 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.727 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX039598.D
Acq: 03 Jan 2024 13:43

Tgt Ion: 105 Resp: 4218
Ion Ratio Lower Upper
105 100
120 23.6 21.2 63.6





#95

Naphthalene

Concen: 0.336 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

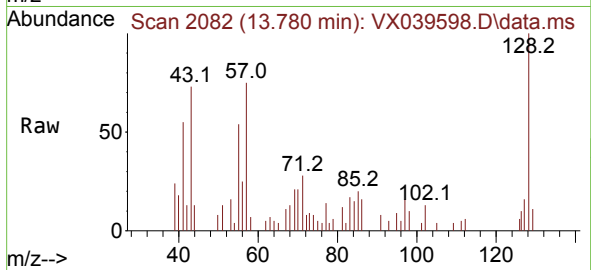
Lab File: VX039598.D

Acq: 03 Jan 2024 13:43

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2115

Ion Ratio Lower Upper

128 100

127 16.9 10.3 15.5#

129 8.4 8.8 13.2#

