

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039594.D
 Acq On : 03 Jan 2024 12:12
 Operator : JC/MD
 Sample : P1001-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 04 03:29:33 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)

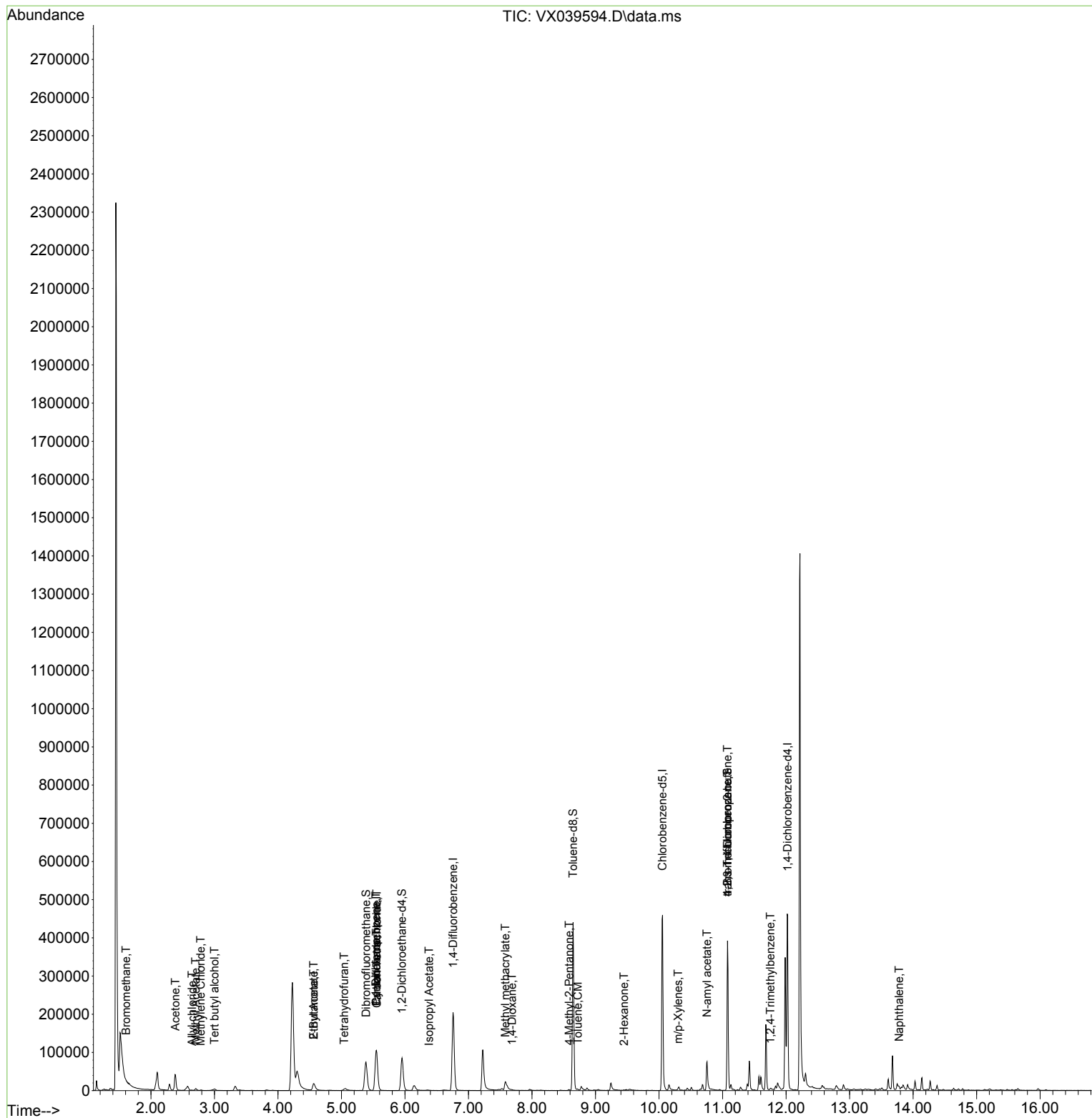
Internal Standards						
1) Pentafluorobenzene	5.550	168	94837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	198441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	201316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82858	47.692	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.380%		
35) Dibromofluoromethane	5.385	113	65486	47.768	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	8.647	98	250537	49.225	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.460%		
62) 4-Bromofluorobenzene	11.079	95	105181	50.087	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.180%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	330	0.417	ug/l #	54
11) Tert butyl alcohol	3.001	59	6316	14.477	ug/l #	90
14) Allyl chloride	2.648	41	698	0.283	ug/l #	72
16) Acetone	2.385	43	44514	22.828	ug/l	93
18) Methyl Acetate	2.703	43	6225	1.657	ug/l	97
20) Methylene Chloride	2.782	84	565	0.390	ug/l #	75
25) 2-Butanone	4.562	43	34454	22.982	ug/l	94
29) Tetrahydrofuran	5.044	42	207	0.250	ug/l #	61
31) Cyclohexane	5.550	56	2550	1.136	ug/l #	24
36) 1,1-Dichloropropene	5.543	75	9150	4.230	ug/l #	50
37) Ethyl Acetate	4.562	43	34454	12.891	ug/l #	69
38) Carbon Tetrachloride	5.556	117	10676	5.171	ug/l #	14
43) Isopropyl Acetate	6.379	43	1076	0.248	ug/l #	62
48) Methyl methacrylate	7.580	41	10192	4.011	ug/l #	44
49) 1,4-Dioxane	7.683	88	525	15.328	ug/l #	92
51) 4-Methyl-2-Pentanone	8.586	43	1989	0.718	ug/l	97
52) Toluene	8.720	92	774	0.210	ug/l	76
59) 2-Hexanone	9.451	43	1321	0.553	ug/l	89
68) m/p-Xylenes	10.299	106	763	0.260	ug/l	89
74) N-amyl acetate	10.756	43	17589	5.173	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	58032	25.752	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58032	72.645	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1494	0.254	ug/l	93
95) Naphthalene	13.780	128	3499	0.549	ug/l	97

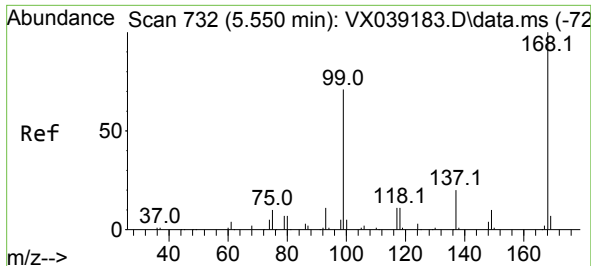
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

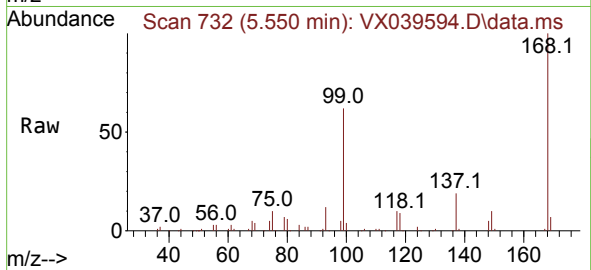
Quant Time: Jan 04 03:29:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
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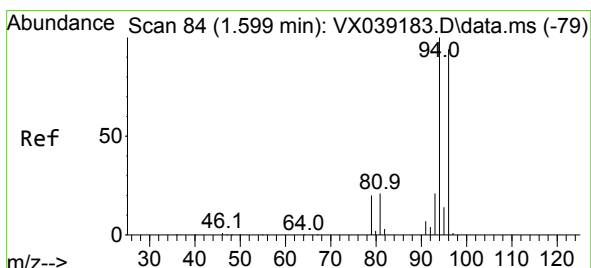
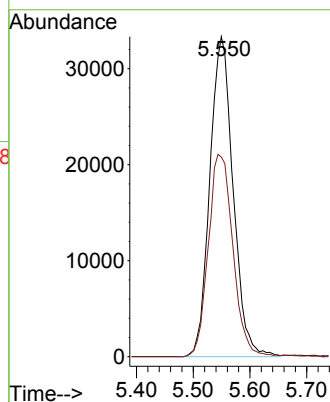
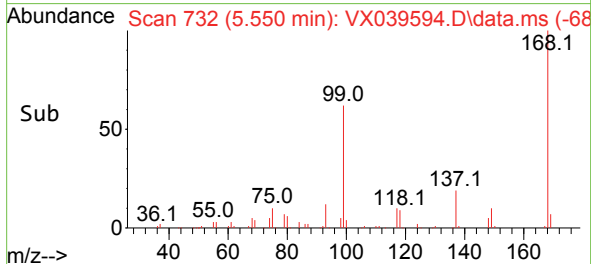


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

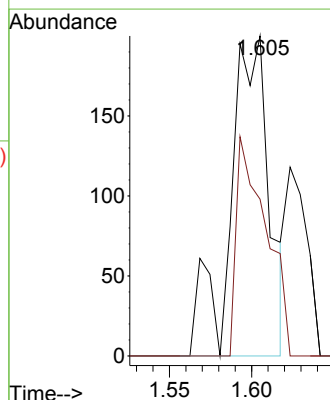
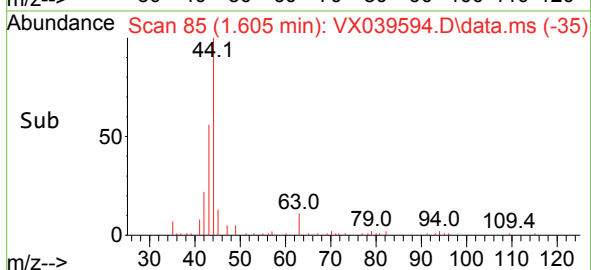
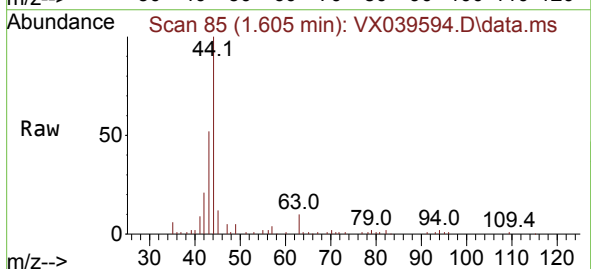


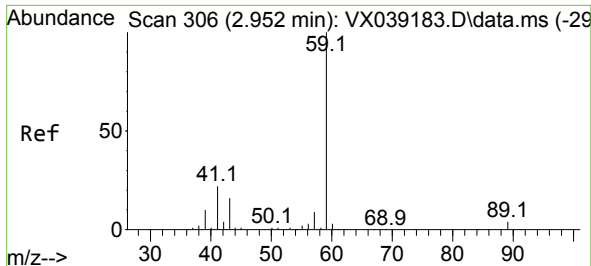
Tgt Ion:168 Resp: 94837
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#5
Bromomethane
Concen: 0.417 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 49.0 74.6 111.8#

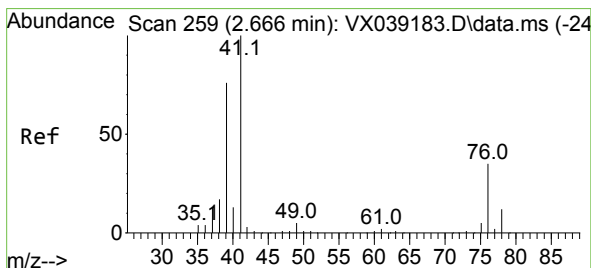
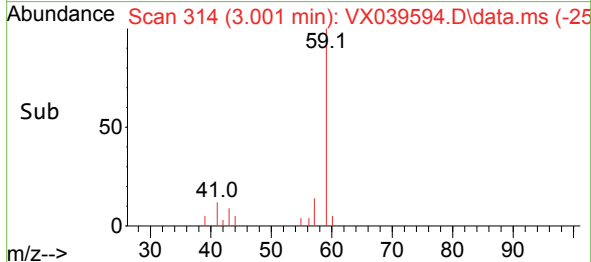
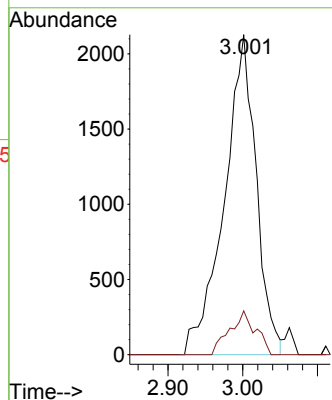
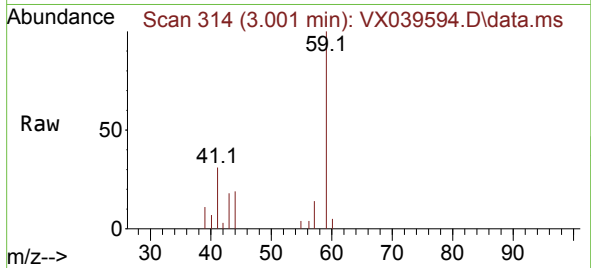




#11
Tert butyl alcohol
Concen: 14.477 ug/l
RT: 3.001 min Scan# 314
Delta R.T. 0.049 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

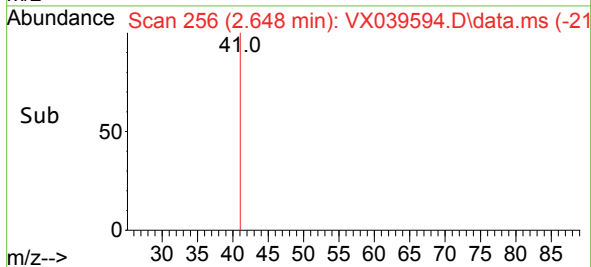
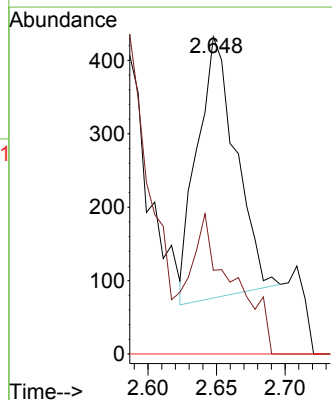
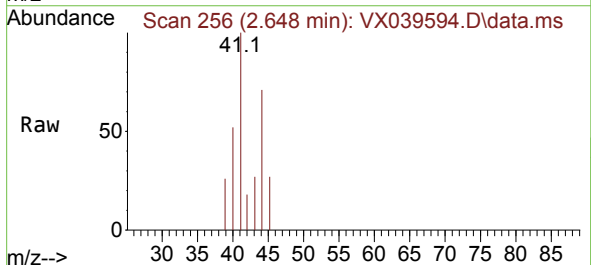
Instrument :
MSVOA_X
ClientSampleId :

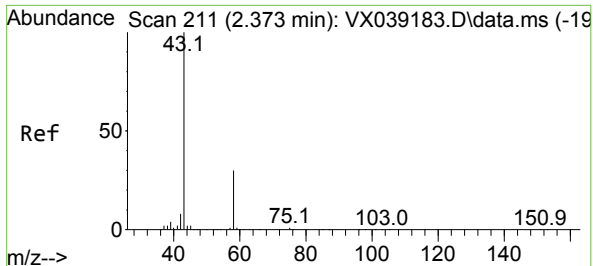
Tgt Ion: 59 Resp: 6316
Ion Ratio Lower Upper
59 100
57 11.1 6.0 9.0#



#14
Allyl chloride
Concen: 0.283 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.018 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Tgt Ion: 41 Resp: 698
Ion Ratio Lower Upper
41 100
39 56.9 55.8 83.6
76 0.0 24.3 36.5#

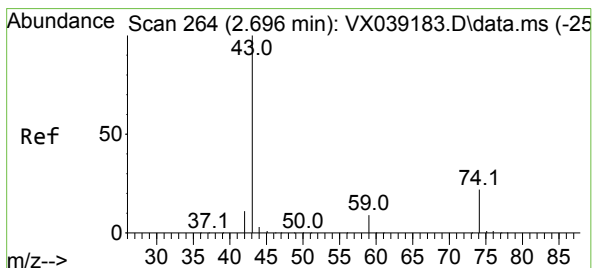
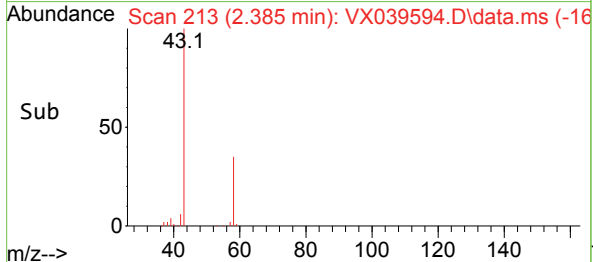
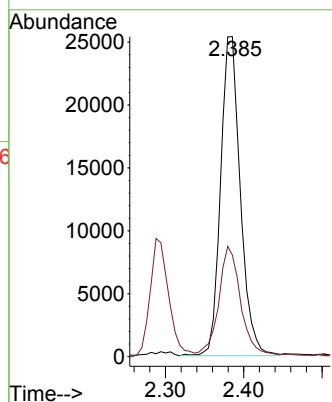
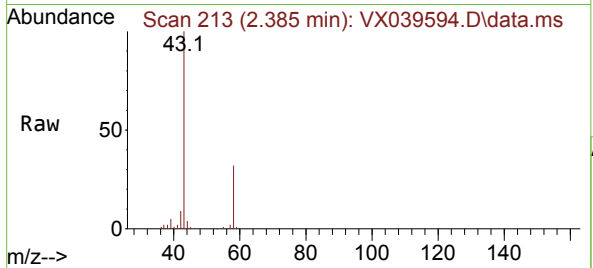




#16
Acetone
Concen: 22.828 ug/l
RT: 2.385 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

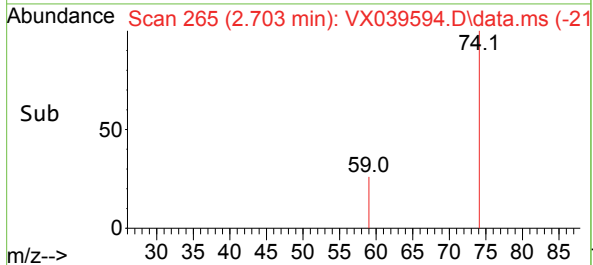
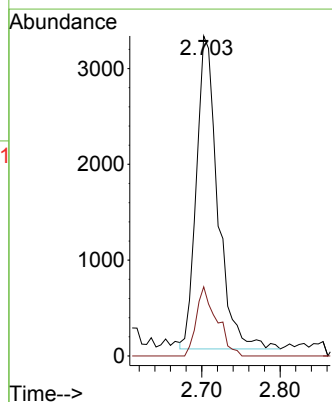
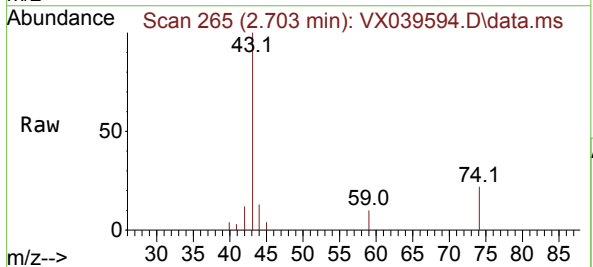
Instrument :
MSVOA_X
ClientSampleId :

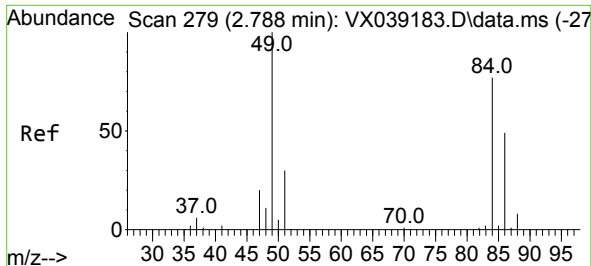
Tgt Ion: 43 Resp: 44514
Ion Ratio Lower Upper
43 100
58 31.1 21.9 32.9



#18
Methyl Acetate
Concen: 1.657 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Tgt Ion: 43 Resp: 6225
Ion Ratio Lower Upper
43 100
74 20.9 17.8 26.8





#20

Methylene Chloride

Concen: 0.390 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

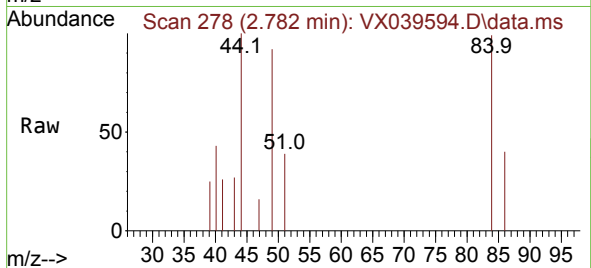
Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 565

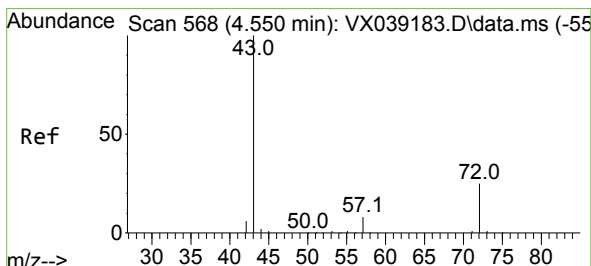
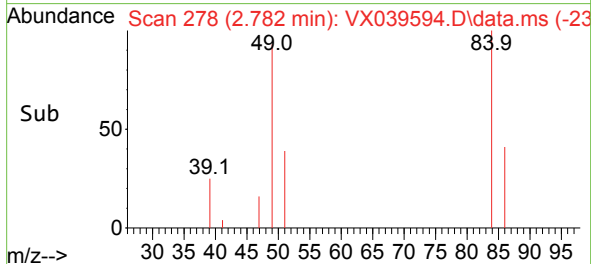
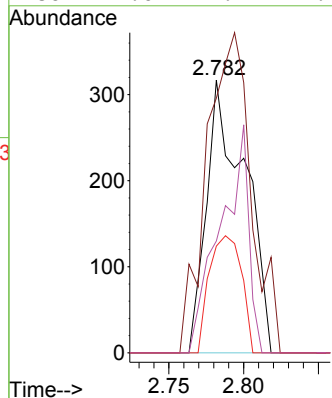
Ion Ratio Lower Upper

84 100

49 93.4 103.6 155.4#

51 39.1 33.8 50.6

86 41.0 49.4 74.0#



#25

2-Butanone

Concen: 22.982 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX039594.D

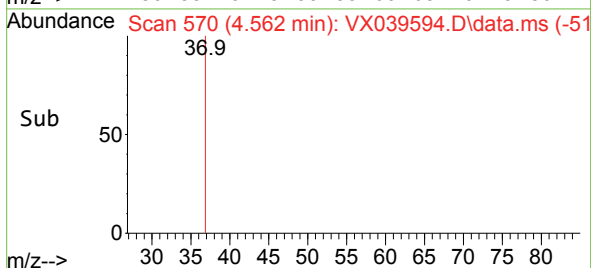
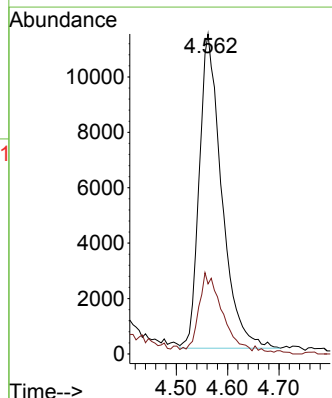
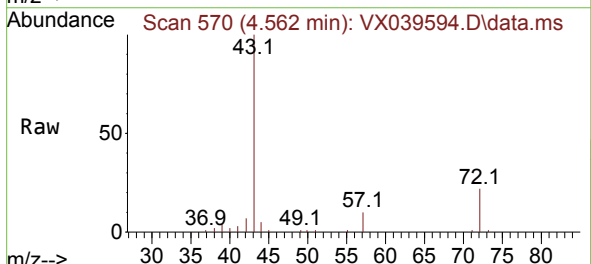
Acq: 03 Jan 2024 12:12

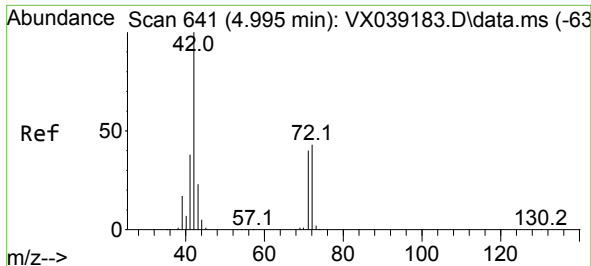
Tgt Ion: 43 Resp: 34454

Ion Ratio Lower Upper

43 100

72 21.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.250 ug/l

RT: 5.044 min Scan# 641

Delta R.T. 0.049 min

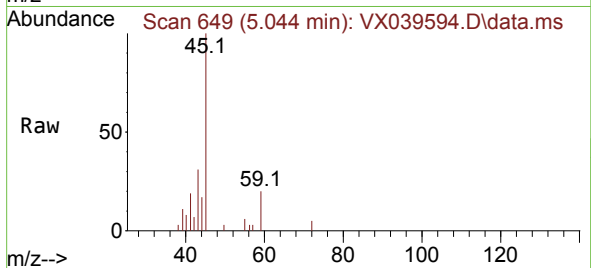
Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

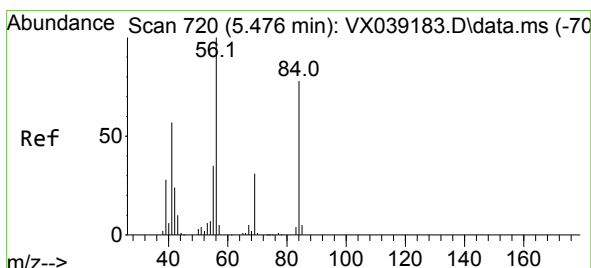
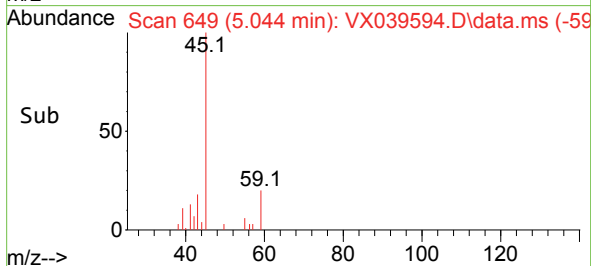
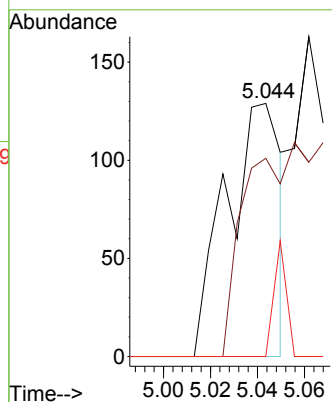
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	207
Ion	Ratio	Lower	Upper
42	100		
72	62.3	34.2	51.4#
71	10.6	32.2	48.2#



#31

Cyclohexane

Concen: 1.136 ug/l

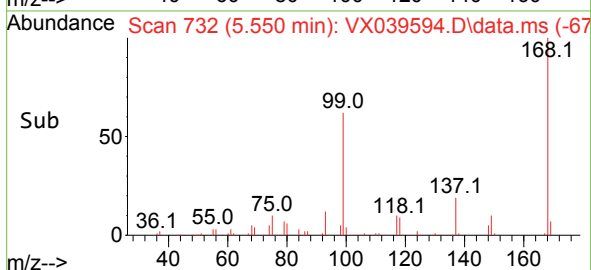
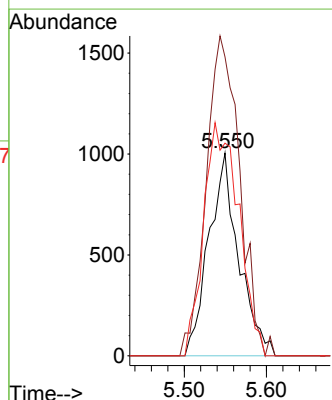
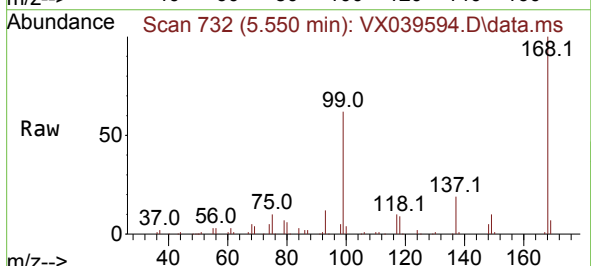
RT: 5.550 min Scan# 732

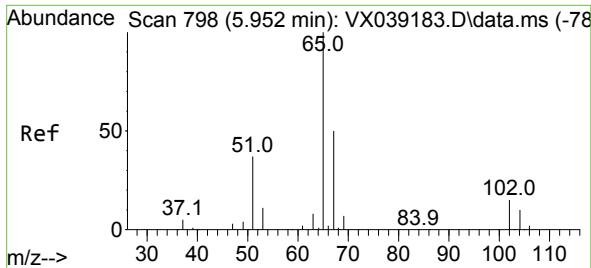
Delta R.T. 0.073 min

Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

Tgt Ion:	56	Resp:	2550
Ion	Ratio	Lower	Upper
56	100		
69	147.4	23.4	35.2#
84	104.9	65.9	98.9#

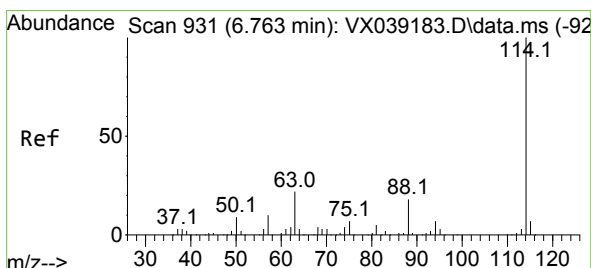
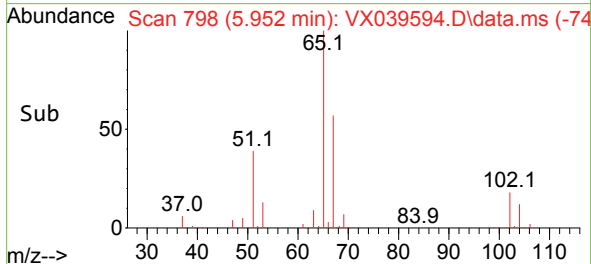
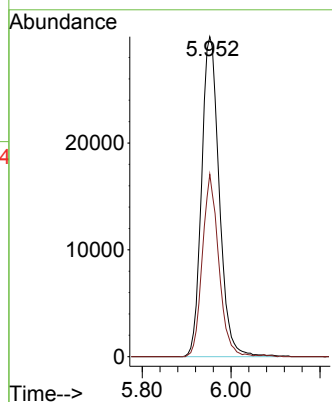
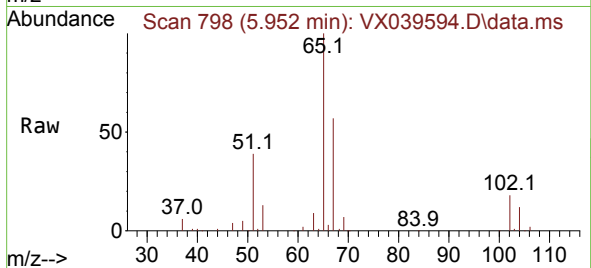




#33
 1,2-Dichloroethane-d4
 Concen: 47.692 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039594.D
 Acq: 03 Jan 2024 12:12

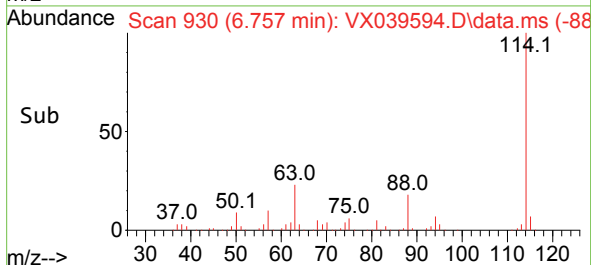
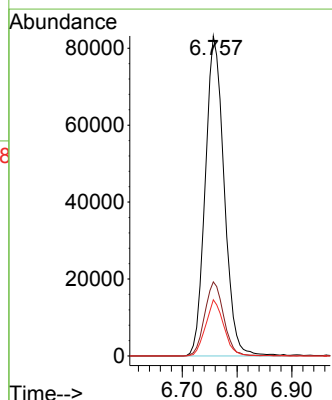
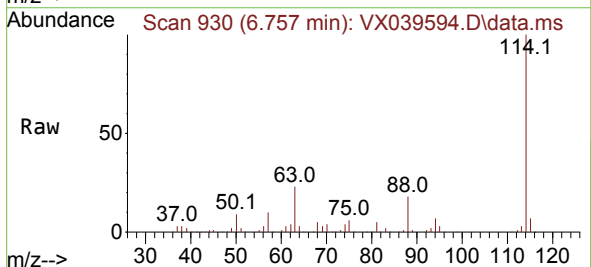
Instrument :
 MSVOA_X
 ClientSampleId :

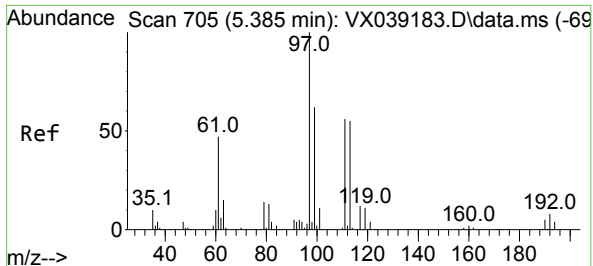
Tgt Ion: 65 Resp: 82858
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX039594.D
 Acq: 03 Jan 2024 12:12

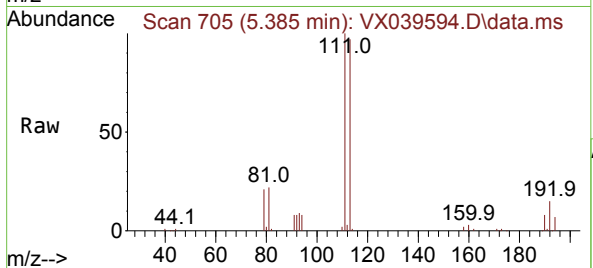
Tgt Ion:114 Resp: 198441
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 45.0
 88 17.6 0.0 36.6



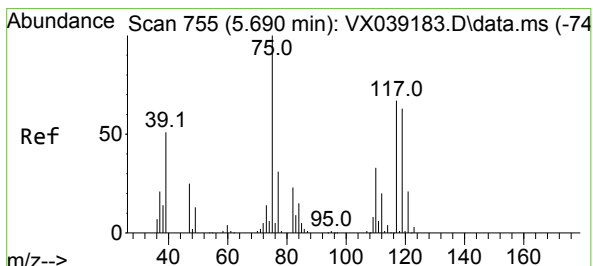
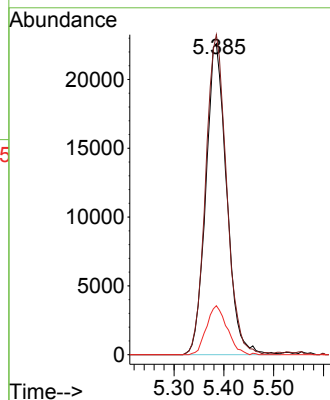
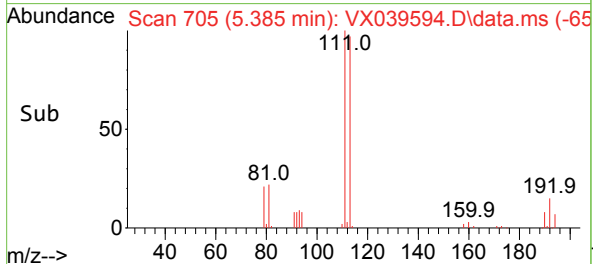


#35
Dibromofluoromethane
Concen: 47.768 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

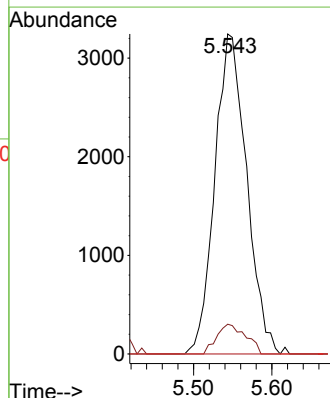
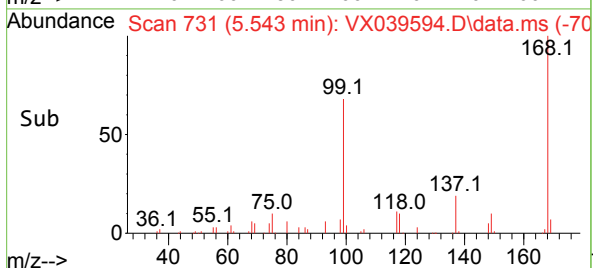
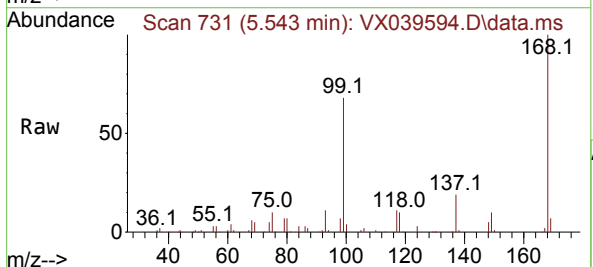


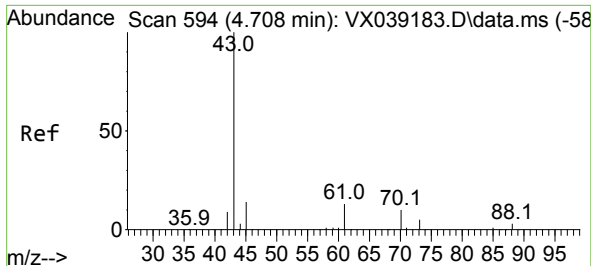
Tgt Ion:113 Resp: 65486
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.230 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Tgt Ion: 75 Resp: 9150
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 12.891 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

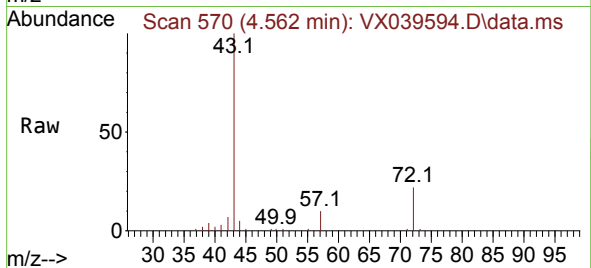
Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

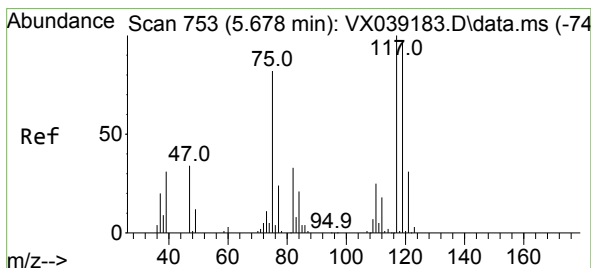
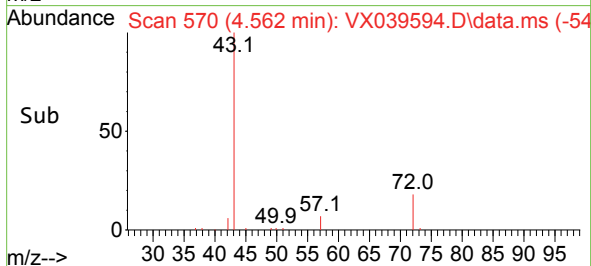
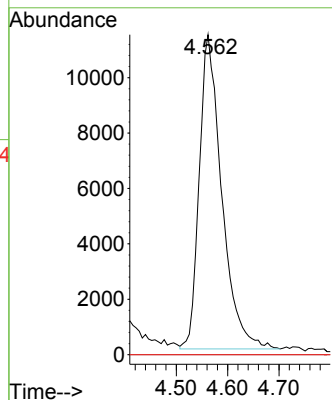
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	43	Resp:	34454
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.171 ug/l

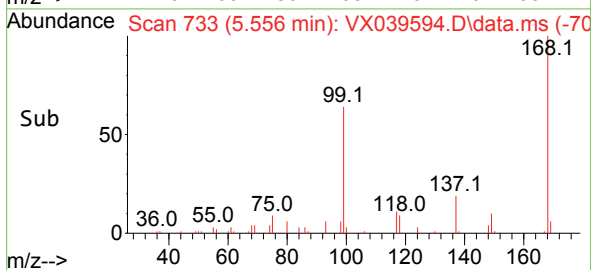
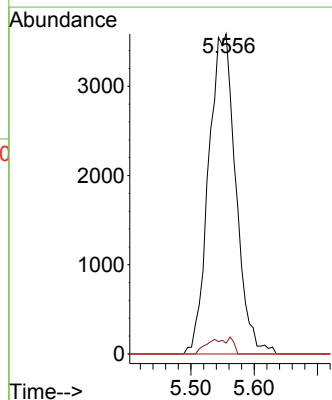
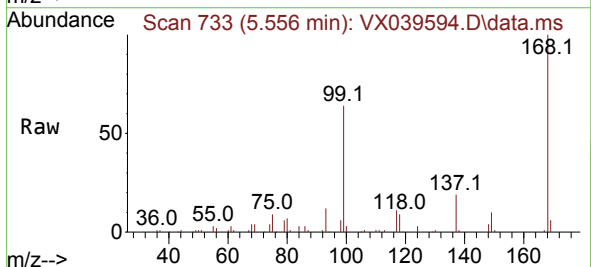
RT: 5.556 min Scan# 733

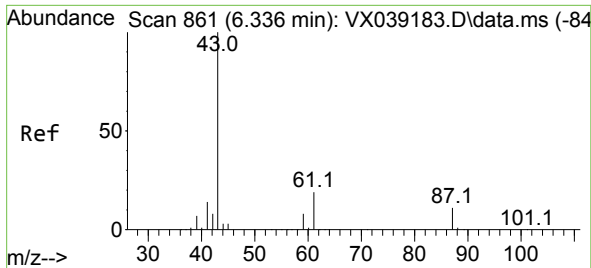
Delta R.T. -0.122 min

Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

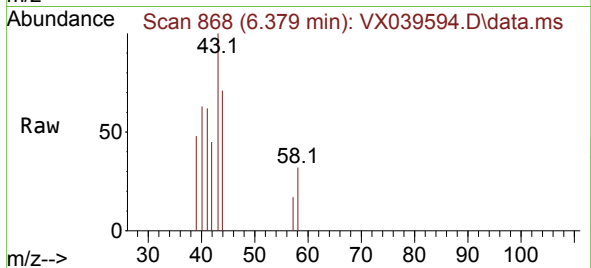
Tgt Ion:	117	Resp:	10676
Ion Ratio	100	Lower	Upper
117	100		
119	3.4	78.2	117.2#
121	0.0	24.4	36.6#



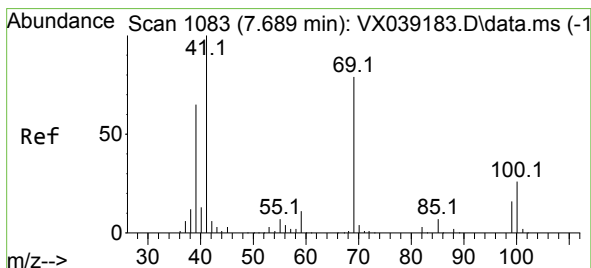
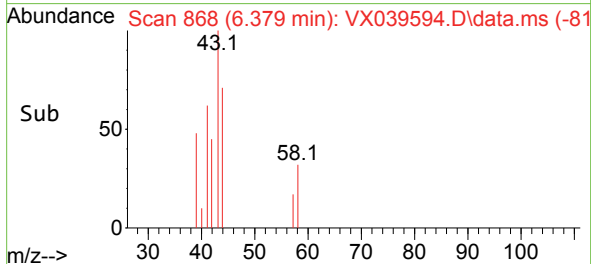
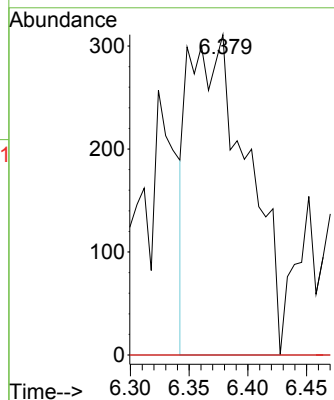


#43
Isopropyl Acetate
Concen: 0.248 ug/l
RT: 6.379 min Scan# 80
Delta R.T. 0.043 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

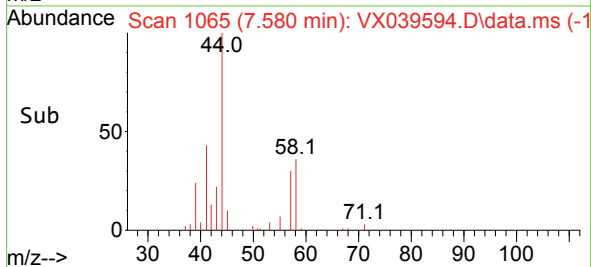
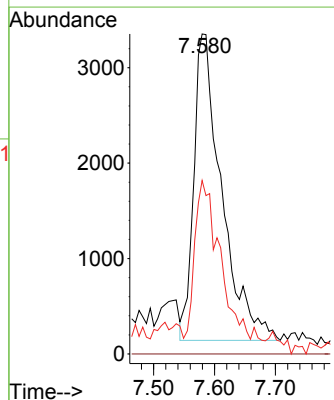
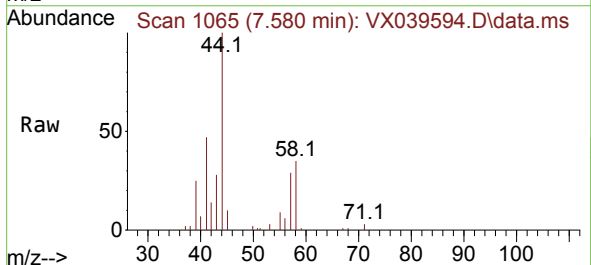


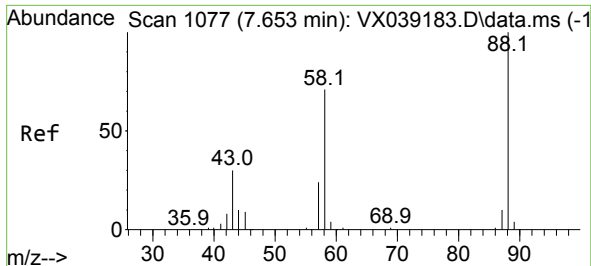
Tgt Ion: 43 Resp: 1076
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#48
Methyl methacrylate
Concen: 4.011 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.110 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

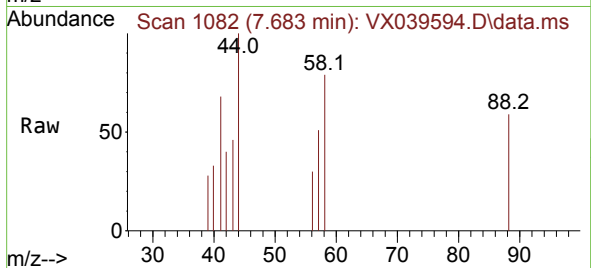
Tgt Ion: 41 Resp: 10192
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 47.5 47.7 71.5#



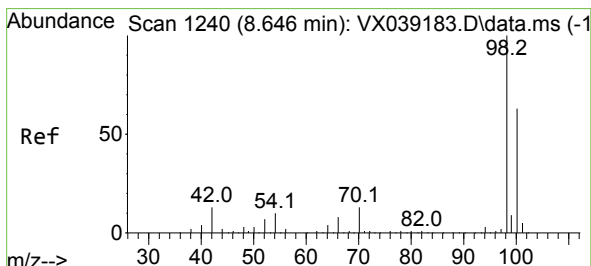
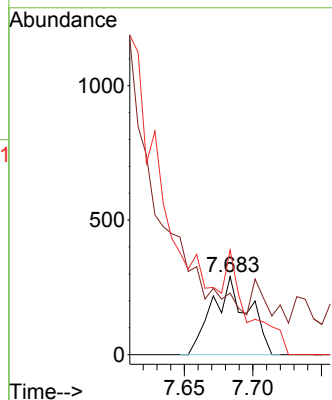
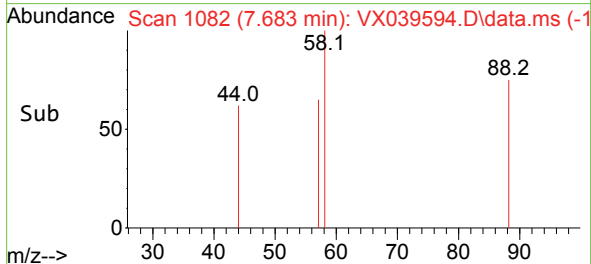


#49
1,4-Dioxane
Concen: 15.328 ug/l
RT: 7.683 min Scan# 1077
Delta R.T. 0.031 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Instrument :
MSVOA_X
ClientSampleId :

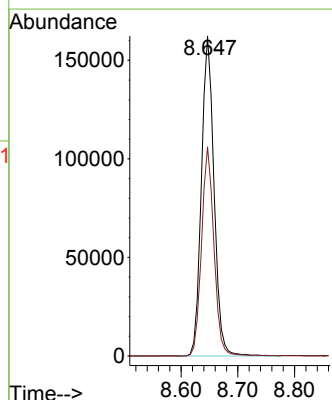
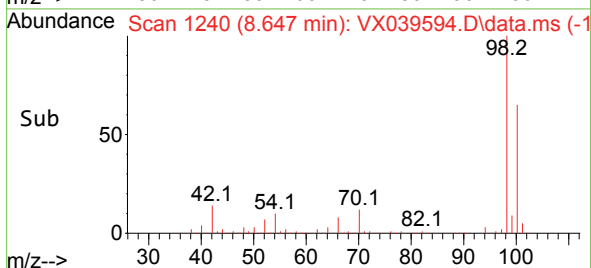
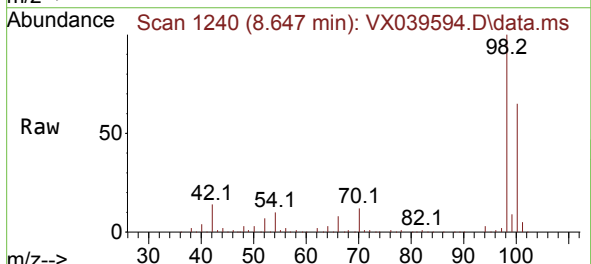


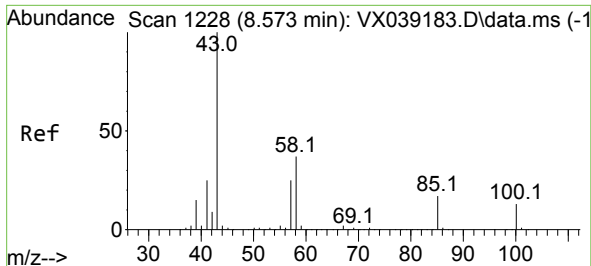
Tgt Ion: 88 Resp: 525
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 82.3 60.1 90.1



#50
Toluene-d8
Concen: 49.225 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Tgt Ion: 98 Resp: 250537
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

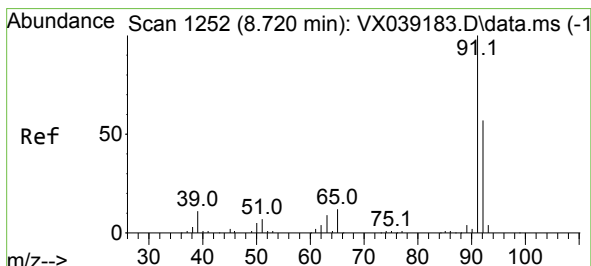
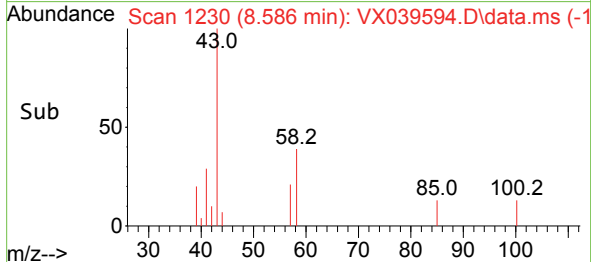
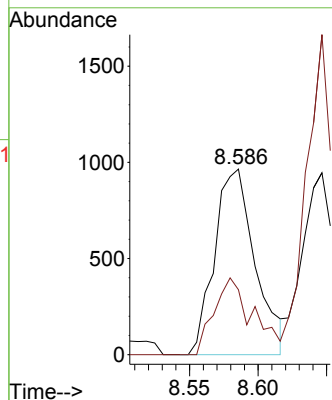
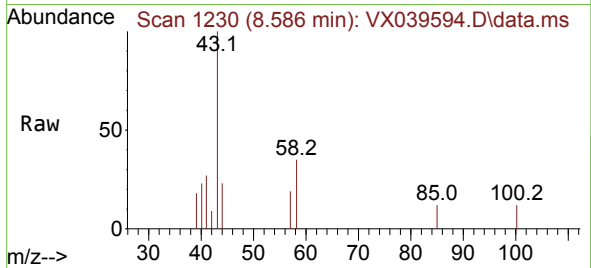




#51
4-Methyl-2-Pentanone
Concen: 0.718 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

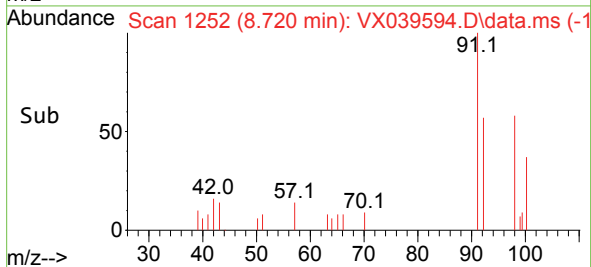
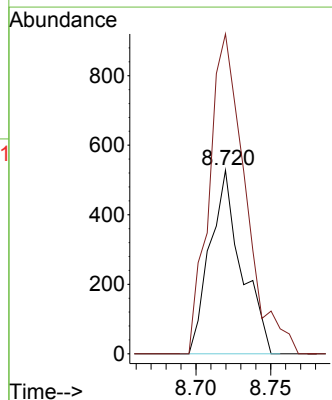
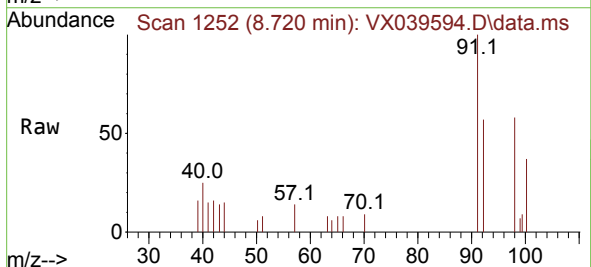
Instrument :
MSVOA_X
ClientSampleId :

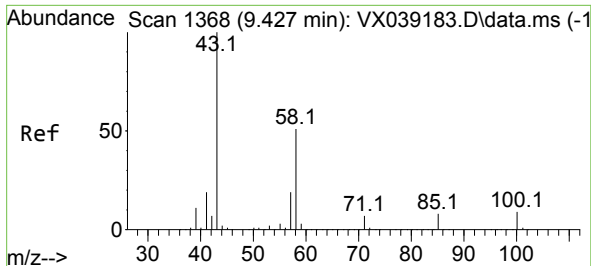
Tgt Ion: 43 Resp: 1989
Ion Ratio Lower Upper
43 100
58 39.8 30.4 45.6



#52
Toluene
Concen: 0.210 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Tgt Ion: 92 Resp: 774
Ion Ratio Lower Upper
92 100
91 200.3 134.2 201.2

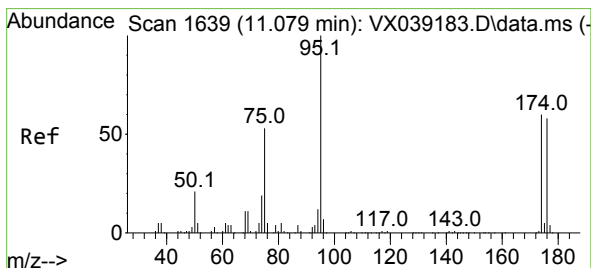
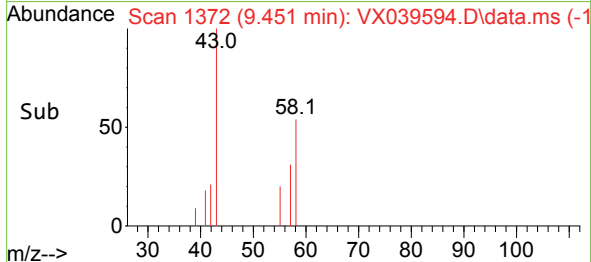
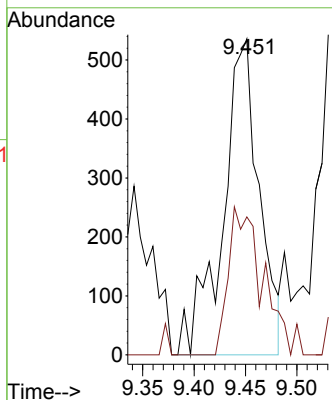
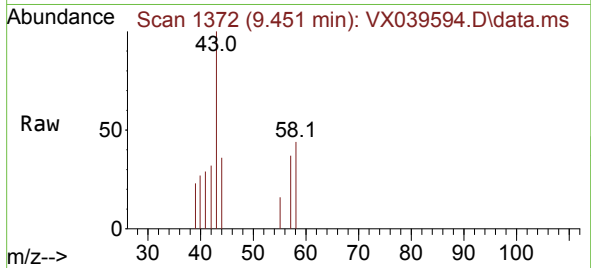




#59
2-Hexanone
Concen: 0.553 ug/l
RT: 9.451 min Scan# 1372
Delta R.T. 0.024 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

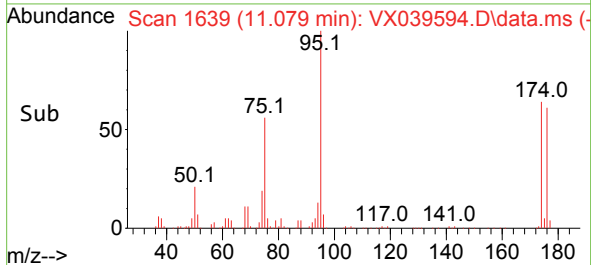
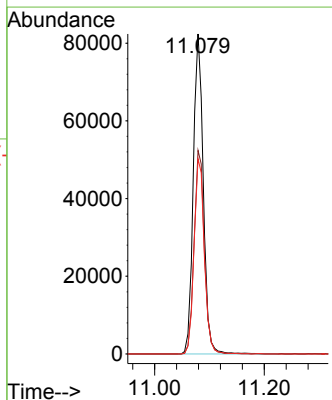
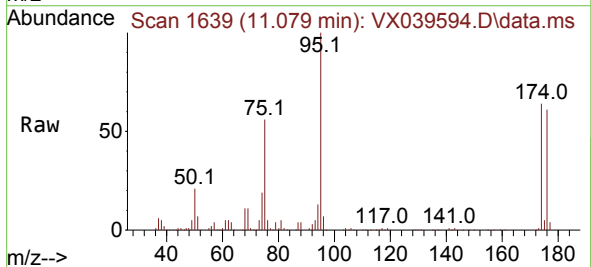
Instrument :
MSVOA_X
ClientSampleId :

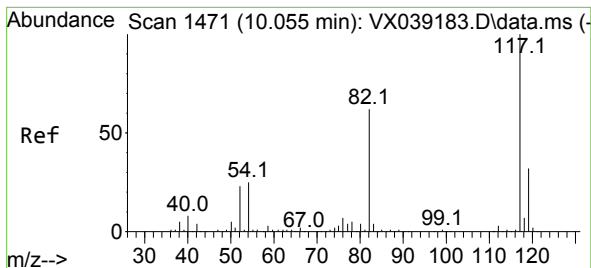
Tgt Ion: 43 Resp: 1321
Ion Ratio Lower Upper
43 100
58 44.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 50.087 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039594.D
Acq: 03 Jan 2024 12:12

Tgt Ion: 95 Resp: 105181
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.6
176 62.6 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

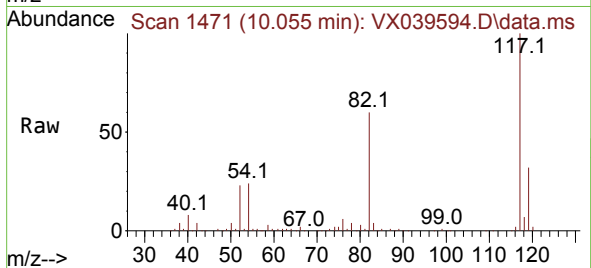
Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

Instrument :

MSVOA_X

ClientSampleId :



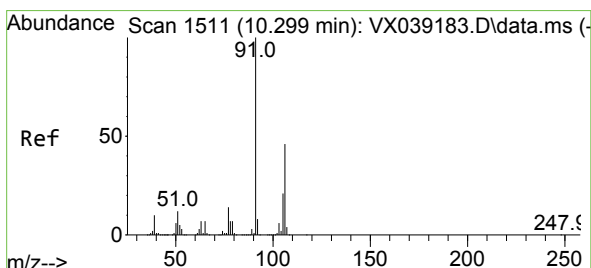
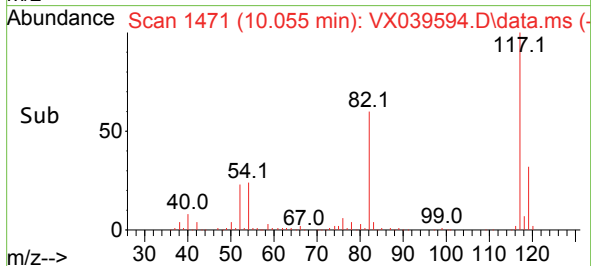
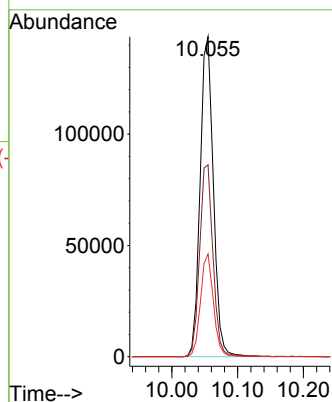
Tgt Ion:117 Resp: 201316

Ion Ratio Lower Upper

117 100

82 60.0 46.2 69.4

119 32.1 25.5 38.3



#68

m/p-Xylenes

Concen: 0.260 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX039594.D

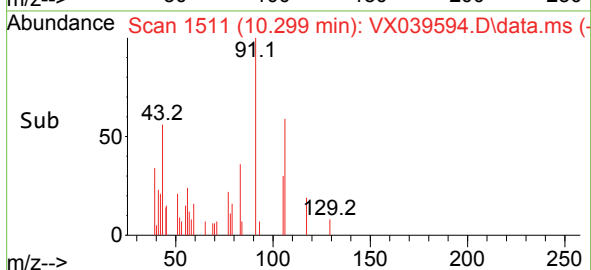
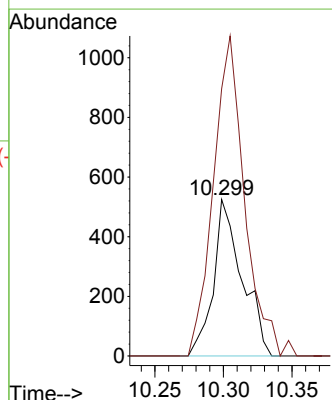
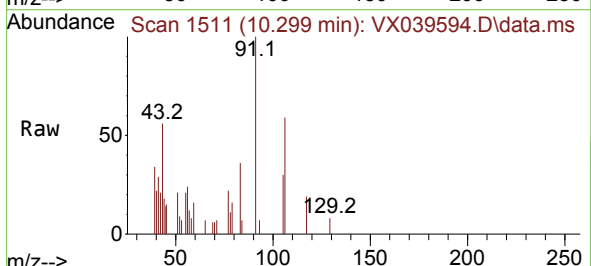
Acq: 03 Jan 2024 12:12

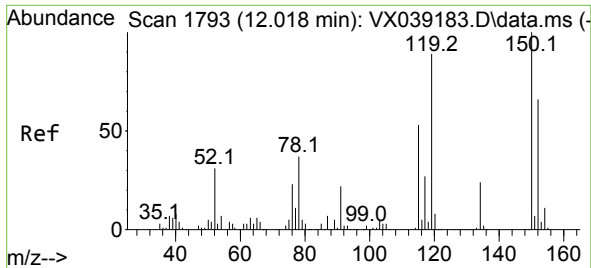
Tgt Ion:106 Resp: 763

Ion Ratio Lower Upper

106 100

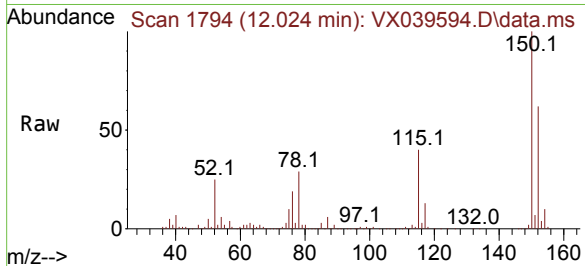
91 223.7 165.5 248.3



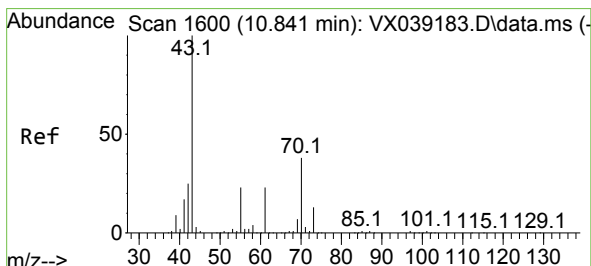
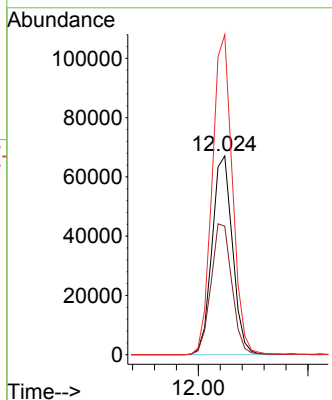
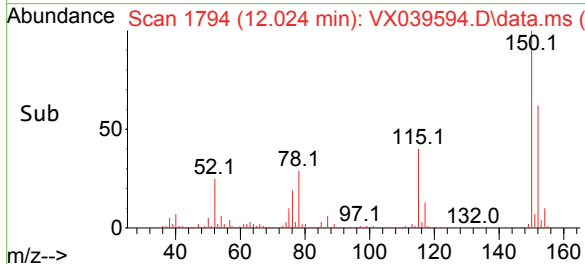


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: VX039594.D
 Acq: 03 Jan 2024 12:12

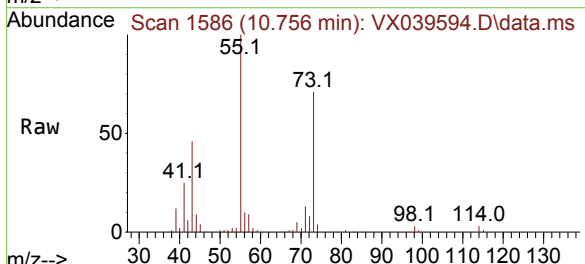
Instrument :
 MSVOA_X
 ClientSampleId :



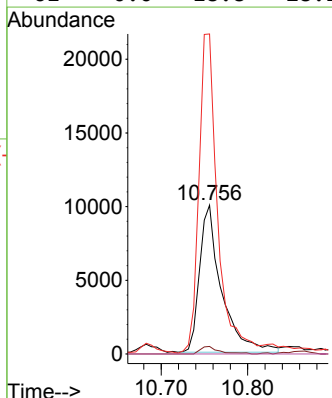
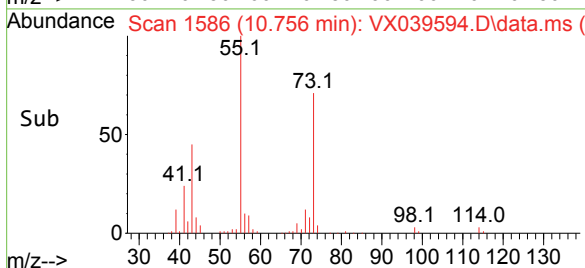
Tgt Ion:152 Resp: 87104
 Ion Ratio Lower Upper
 152 100
 115 67.1 43.3 129.9
 150 159.4 0.0 345.0

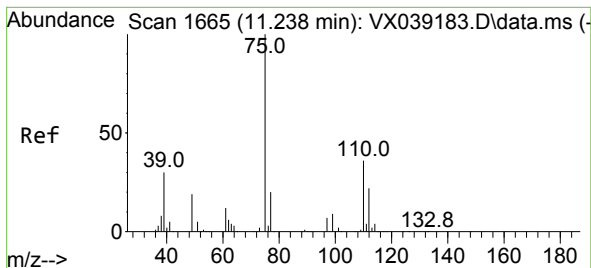


#74
 N-ethyl acetate
 Concen: 5.173 ug/l
 RT: 10.756 min Scan# 1586
 Delta R.T. -0.085 min
 Lab File: VX039594.D
 Acq: 03 Jan 2024 12:12



Tgt Ion: 43 Resp: 17589
 Ion Ratio Lower Upper
 43 100
 70 4.3 32.9 49.3#
 55 184.9 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 25.752 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

Instrument :

MSVOA_X

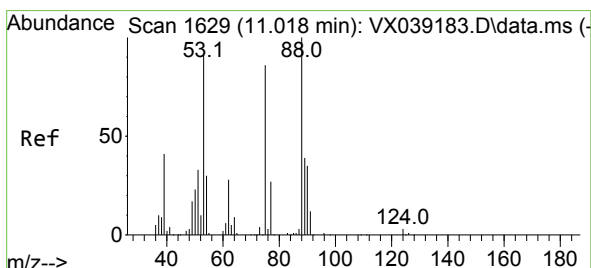
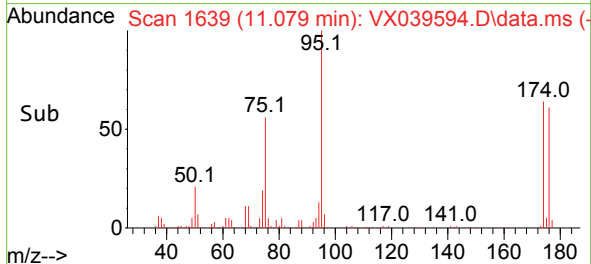
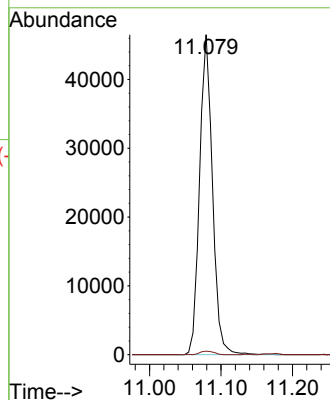
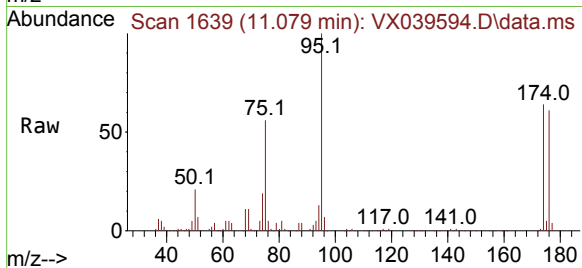
ClientSampleId :

Tgt Ion: 75 Resp: 58032

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.645 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

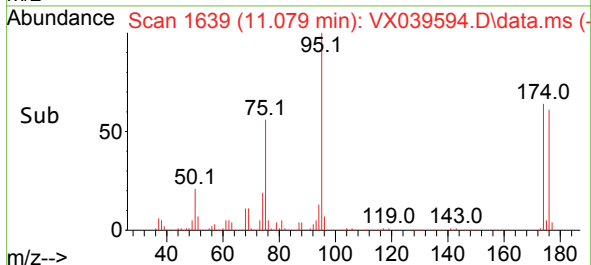
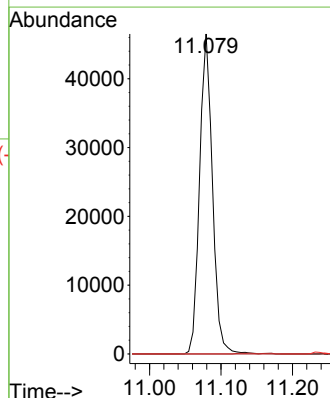
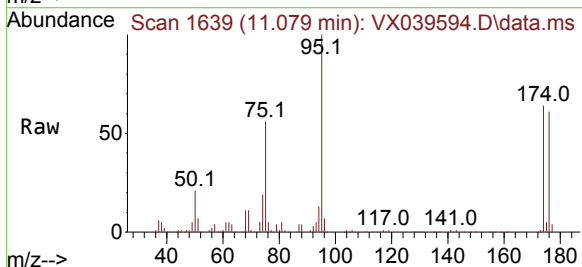
Tgt Ion: 75 Resp: 58032

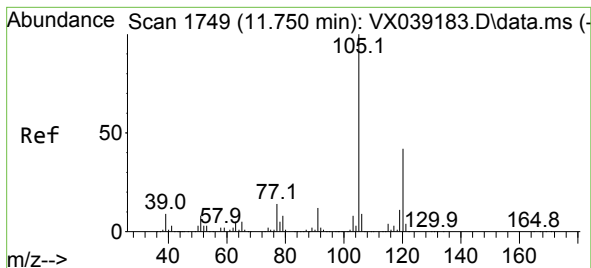
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.254 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

Instrument :

MSVOA_X

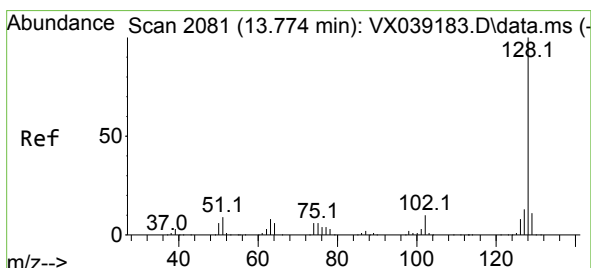
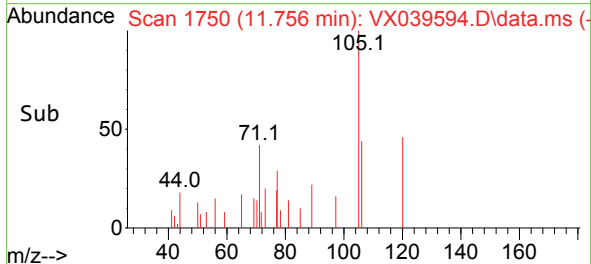
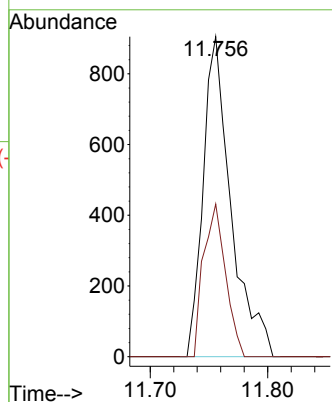
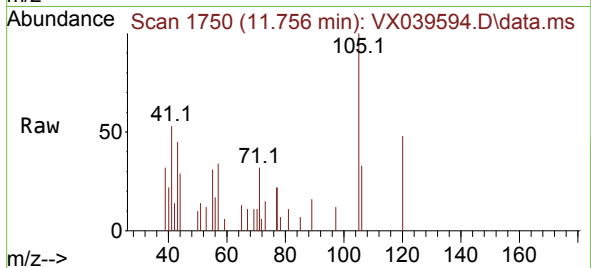
ClientSampleId :

Tgt Ion:105 Resp: 1494

Ion Ratio Lower Upper

105 100

120 37.7 21.2 63.6



#95

Naphthalene

Concen: 0.549 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX039594.D

Acq: 03 Jan 2024 12:12

Tgt Ion:128 Resp: 3499

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 10.6 8.8 13.2

