

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040430.D
 Acq On : 23 Feb 2024 14:37
 Operator : JC/MD
 Sample : P1539-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

Quant Time: Feb 23 22:19:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022224W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 23 06:47:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

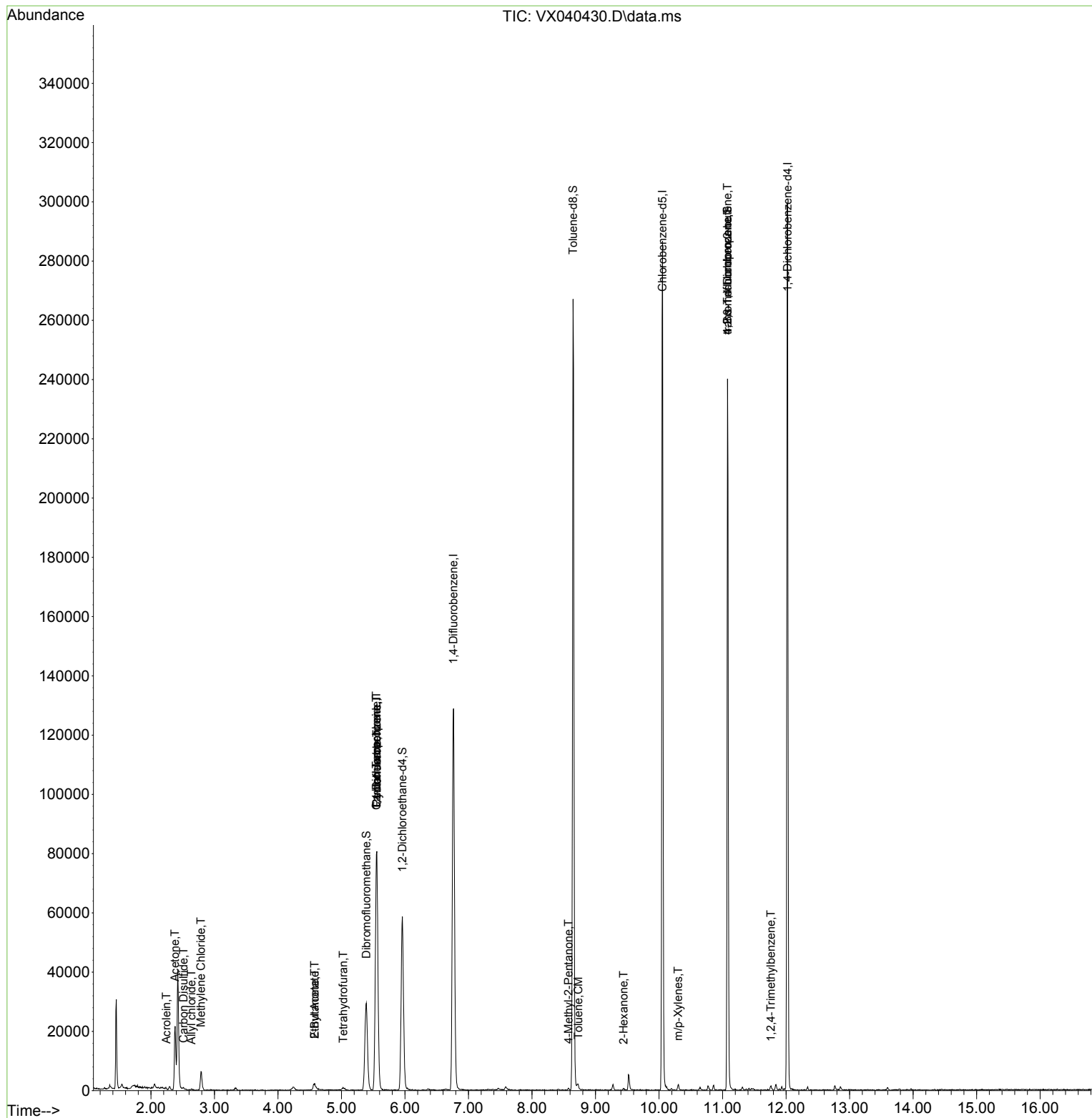
Internal Standards						
1) Pentafluorobenzene	5.556	168	70057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118281	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59713	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58096	50.920	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.840%			
35) Dibromofluoromethane	5.391	113	24676	29.456	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 58.920%#			
50) Toluene-d8	8.647	98	153430	50.704	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.400%			
62) 4-Bromofluorobenzene	11.079	95	61034	50.335	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.660%			
Target Compounds					Qvalue	
13) Acrolein	2.239	56	412	1.561	ug/l	97
14) Allyl chloride	2.636	41	294	0.206	ug/l #	30
16) Acetone	2.380	43	23168	48.734	ug/l	98
17) Carbon Disulfide	2.514	76	704	0.331	ug/l #	76
20) Methylene Chloride	2.788	84	2690	2.702	ug/l #	82
25) 2-Butanone	4.574	43	3922	5.292	ug/l	100
29) Tetrahydrofuran	5.025	42	654	1.326	ug/l #	80
31) Cyclohexane	5.556	56	1957	1.431	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	6701	5.169	ug/l #	50
37) Ethyl Acetate	4.574	43	3922	2.648	ug/l #	69
38) Carbon Tetrachloride	5.550	117	7813	6.513	ug/l #	15
51) 4-Methyl-2-Pentanone	8.574	43	491	0.318	ug/l #	71
52) Toluene	8.726	92	663	0.307	ug/l	97
59) 2-Hexanone	9.439	43	500	0.420	ug/l	63
68) m/p-Xylenes	10.299	106	451	0.277	ug/l #	59
76) 1,2,3-Trichloropropane	11.079	75	35343	26.618	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35343	92.619	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.762	105	766	0.212	ug/l	89

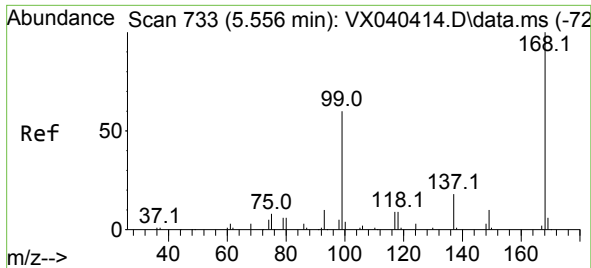
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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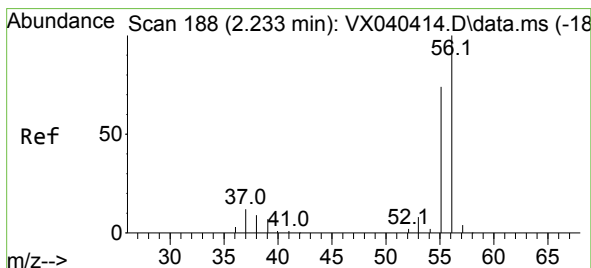
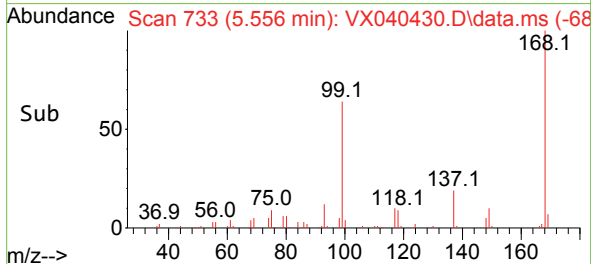
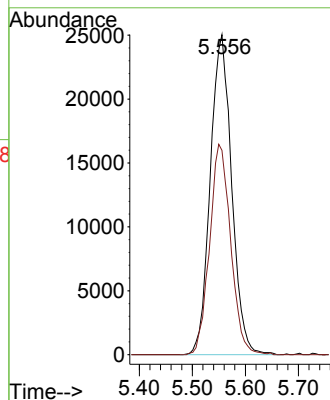
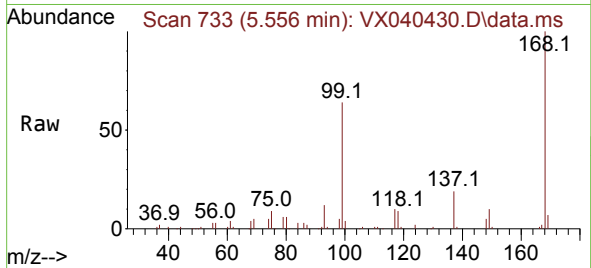




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

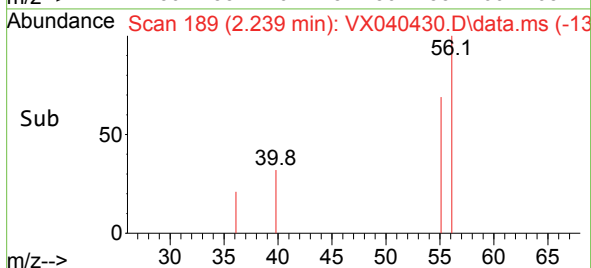
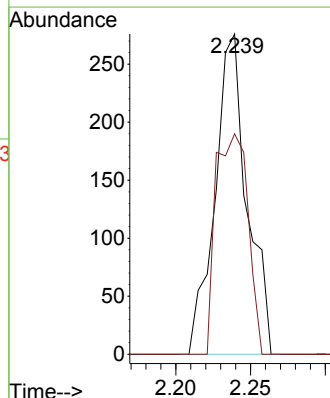
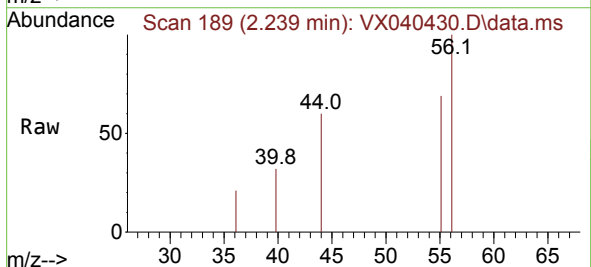
Instrument : MSVOA_X
ClientSampleId : 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

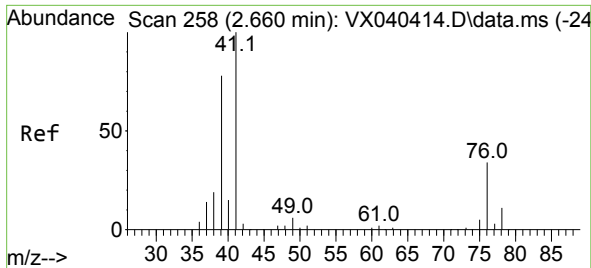
Tgt Ion:168 Resp: 70057
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#13
Acrolein
Concen: 1.561 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
55 69.2 57.1 85.7

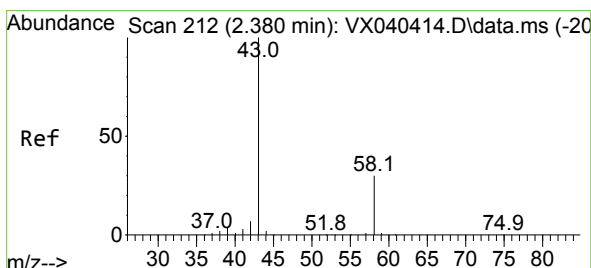
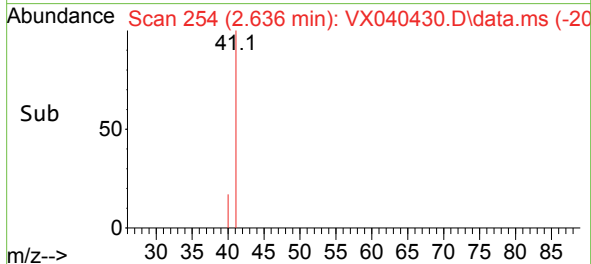
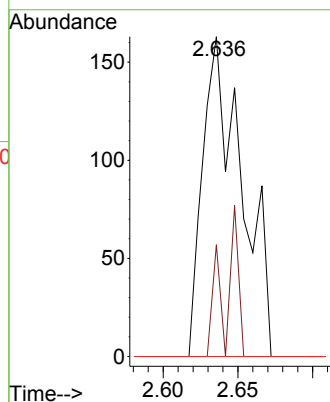
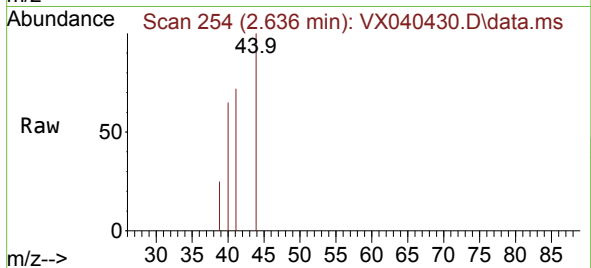




#14
 Allyl chloride
 Concen: 0.206 ug/l
 RT: 2.636 min Scan# 214
 Delta R.T. -0.024 min
 Lab File: VX040430.D
 Acq: 23 Feb 2024 14:37

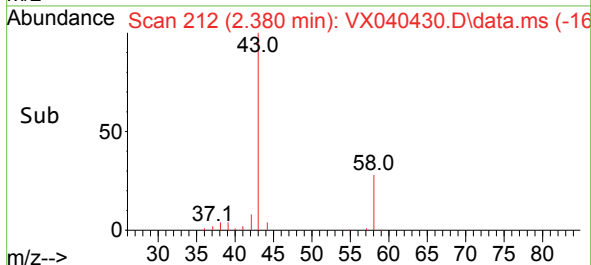
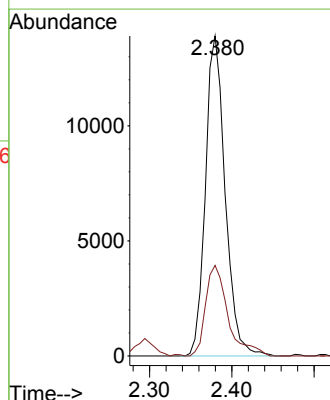
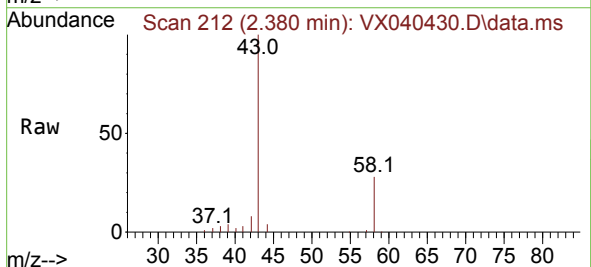
Instrument : MSVOA_X
 ClientSampleId : 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

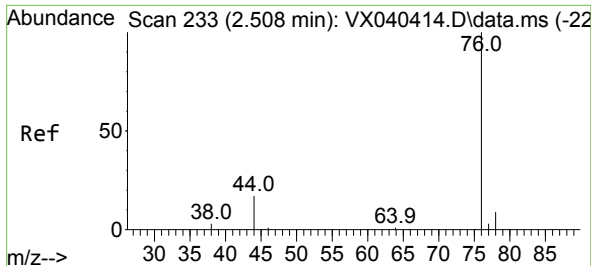
Tgt Ion: 41 Resp: 294
 Ion Ratio Lower Upper
 41 100
 39 7.1 55.8 83.6#
 76 0.0 24.3 36.5#



#16
 Acetone
 Concen: 48.734 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX040430.D
 Acq: 23 Feb 2024 14:37

Tgt Ion: 43 Resp: 23168
 Ion Ratio Lower Upper
 43 100
 58 28.3 21.9 32.9

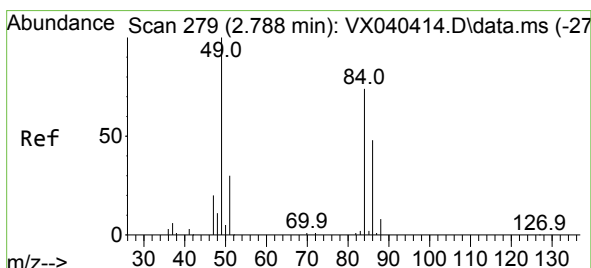
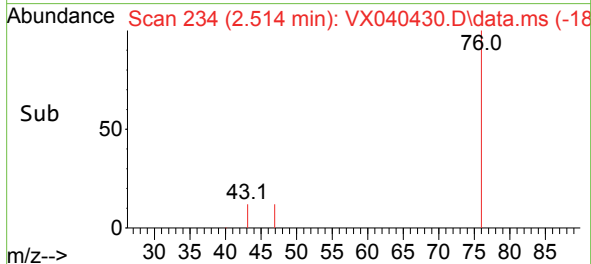
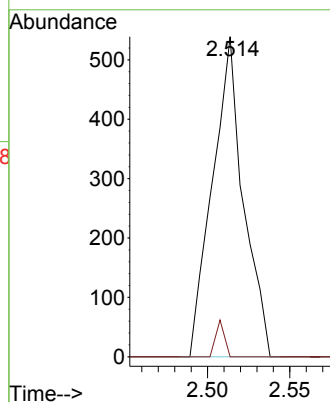
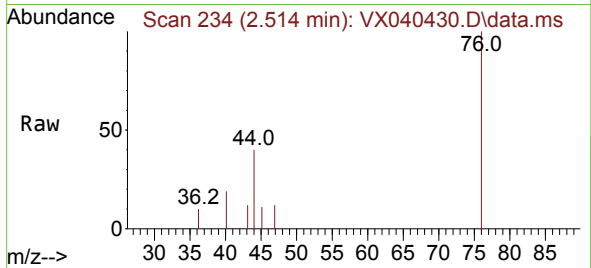




#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

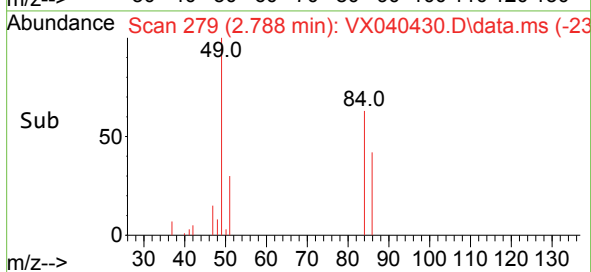
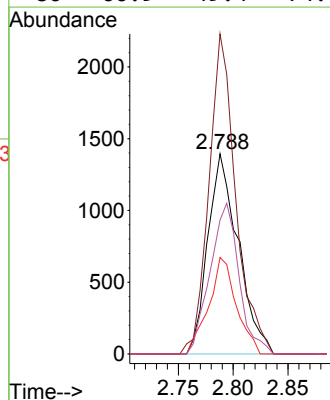
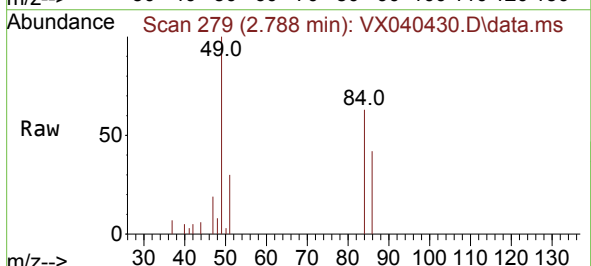
Instrument :
MSVOA_X
ClientSampleId :
20241107-AMENDED-COMPOSITE-35N-N-4-06RE

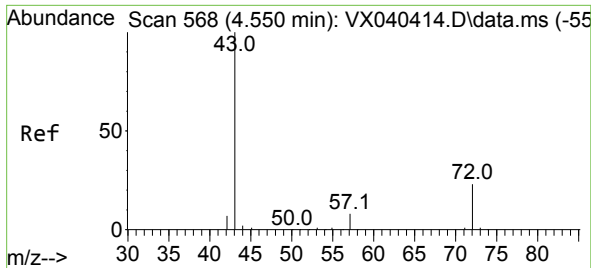
Tgt Ion: 76 Resp: 704
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: 2.702 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion: 84 Resp: 2690
Ion Ratio Lower Upper
84 100
49 159.9 103.6 155.4#
51 48.2 33.8 50.6
86 66.9 49.4 74.0

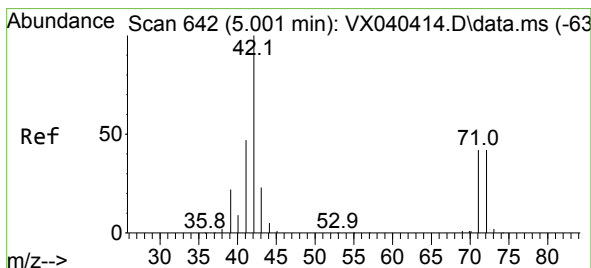
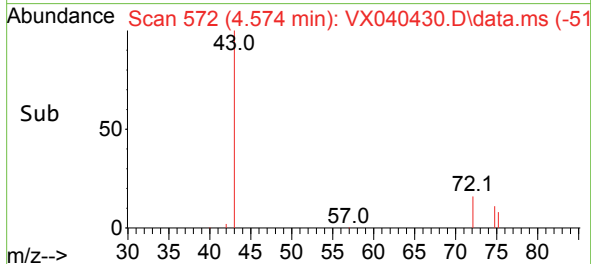
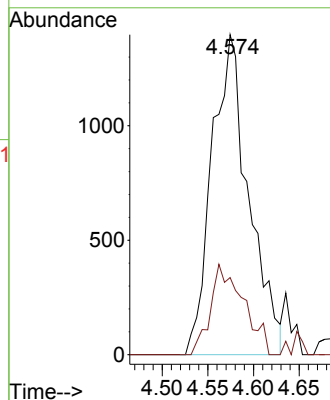
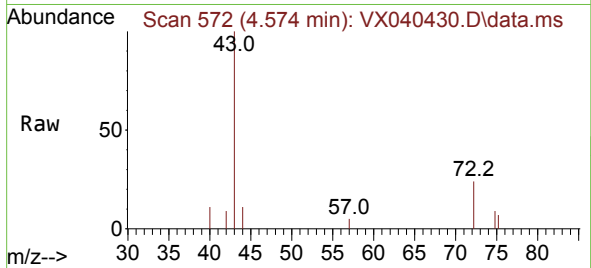




#25
2-Butanone
Concen: 5.292 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

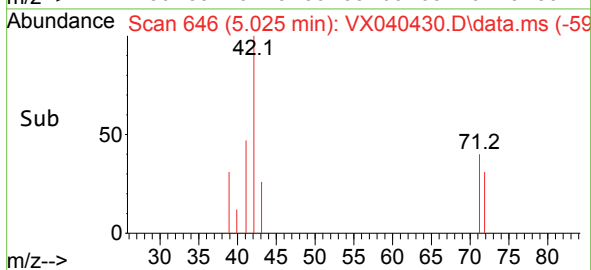
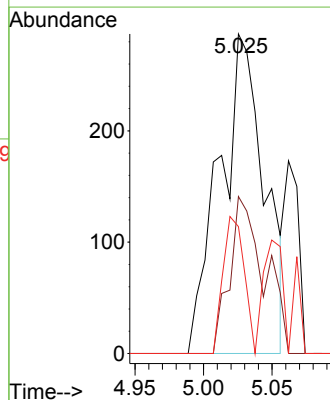
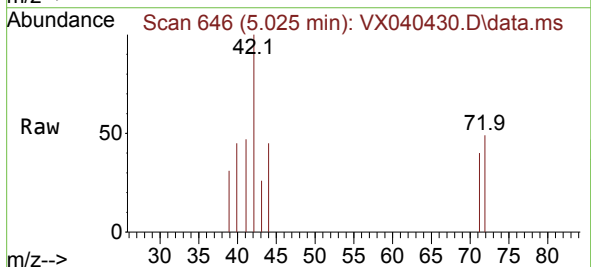
Instrument : MSVOA_X
ClientSampleId : 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

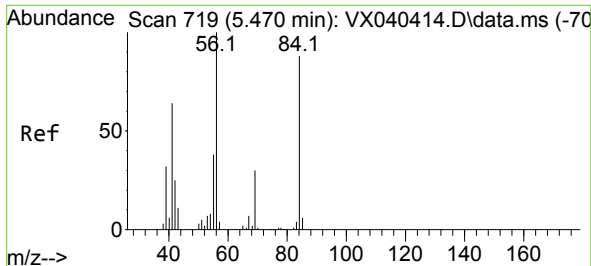
Tgt Ion: 43 Resp: 3922
Ion Ratio Lower Upper
43 100
72 24.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 1.326 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.024 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

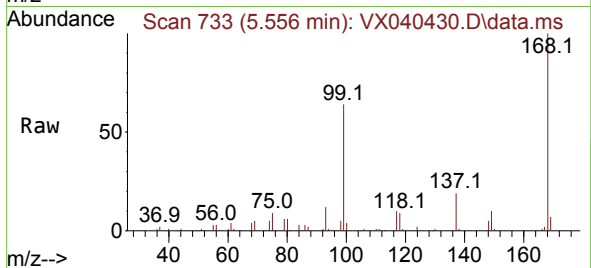
Tgt Ion: 42 Resp: 654
Ion Ratio Lower Upper
42 100
72 37.6 34.2 51.4
71 20.2 32.2 48.2#



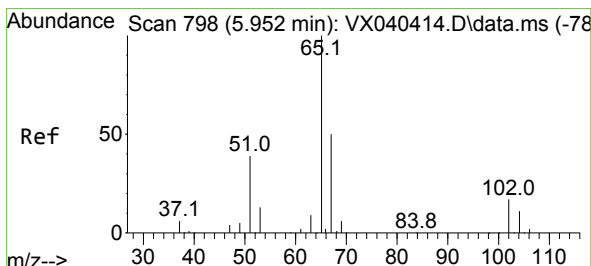
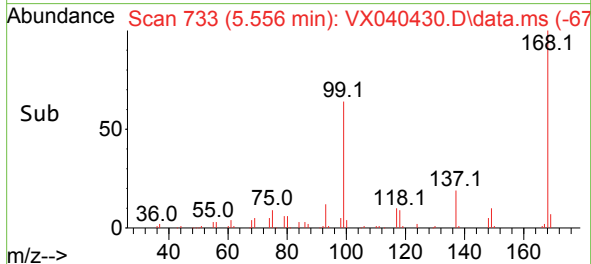
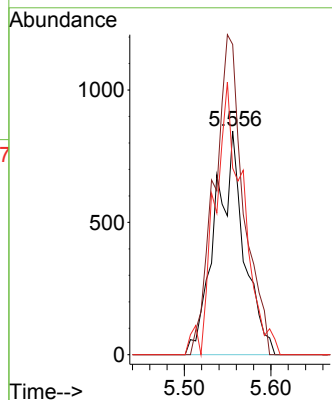


#31
Cyclohexane
Concen: 1.431 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Instrument : MSVOA_X
ClientSampleId : 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

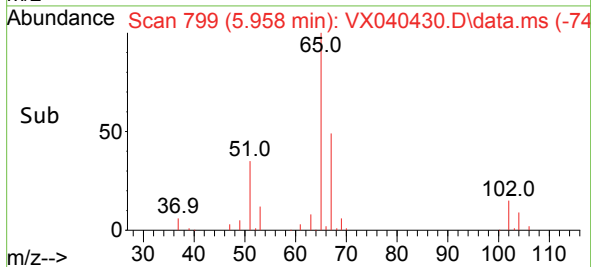
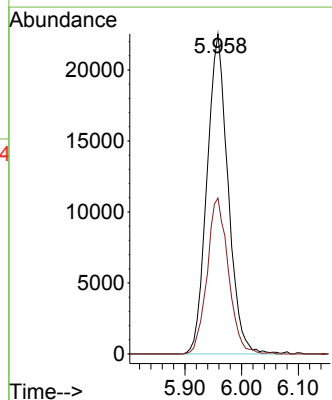
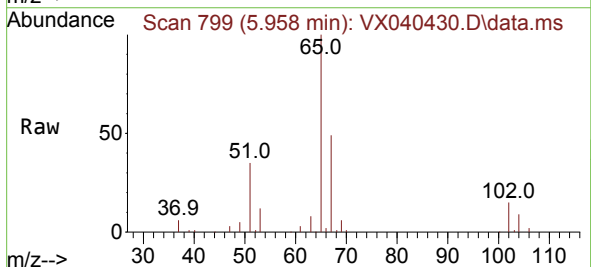


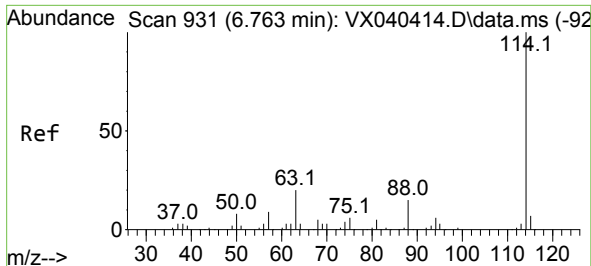
Tgt Ion: 56 Resp: 1957
Ion Ratio Lower Upper
56 100
69 138.7 23.4 35.2#
84 83.4 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.920 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion: 65 Resp: 58096
Ion Ratio Lower Upper
65 100
67 49.3 0.0 100.2

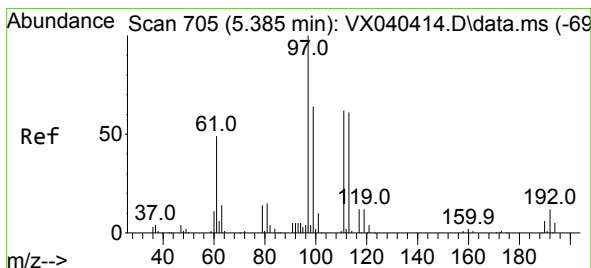
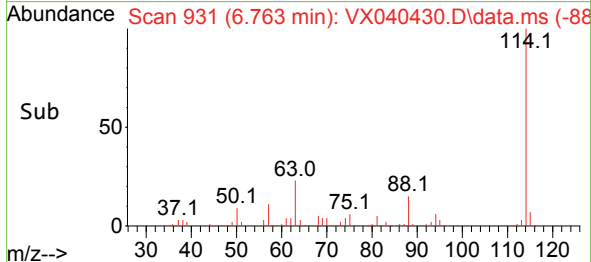
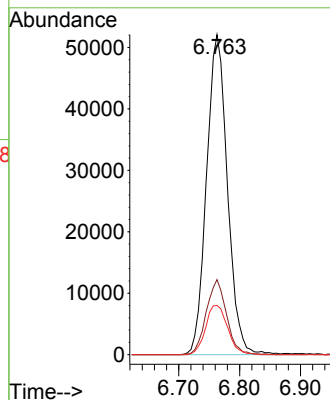
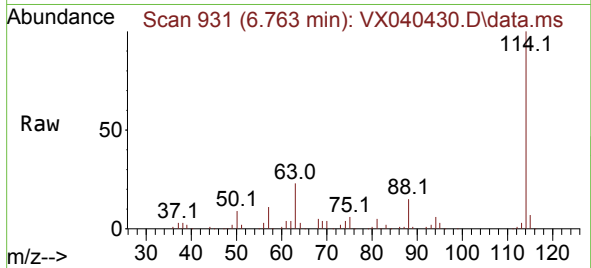




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

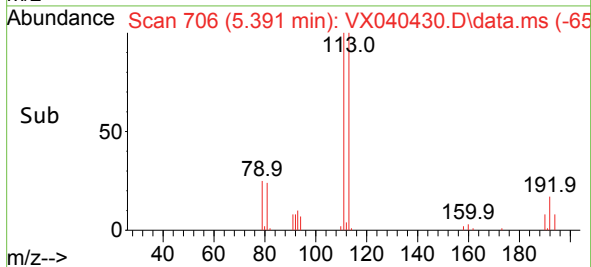
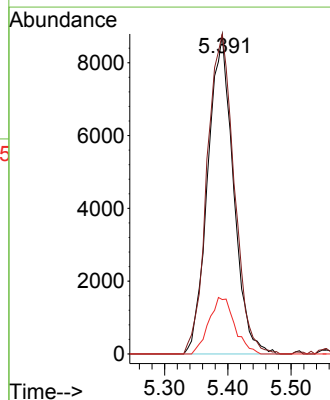
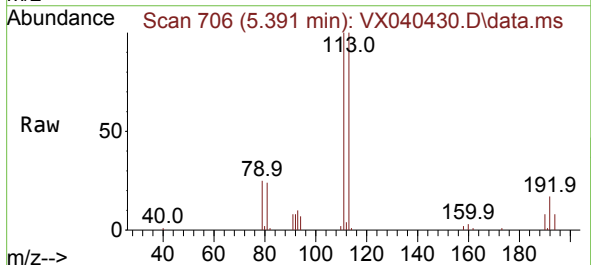
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MSVOA_X
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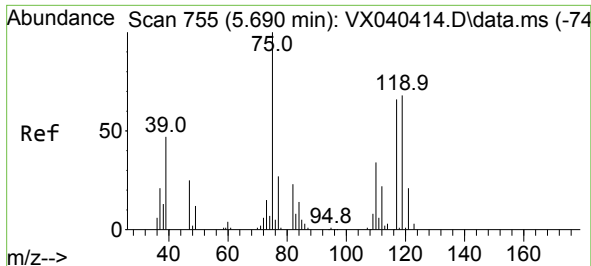
Tgt Ion:114 Resp: 124316
Ion Ratio Lower Upper
114 100
63 23.4 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 29.456 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

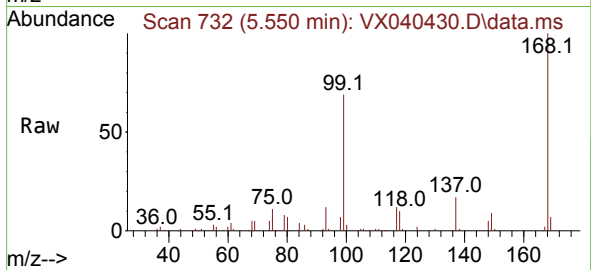
Tgt Ion:113 Resp: 24676
Ion Ratio Lower Upper
113 100
111 105.8 82.9 124.3
192 17.7 13.3 19.9



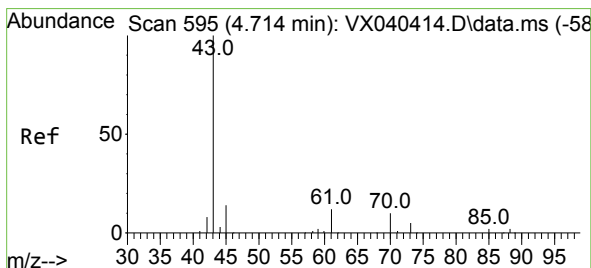
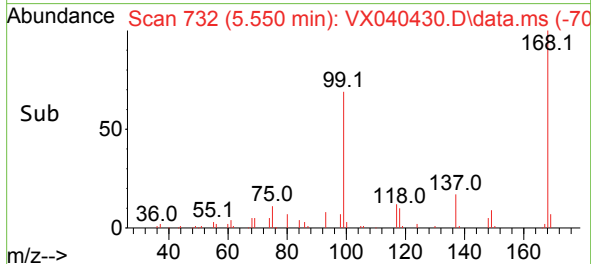
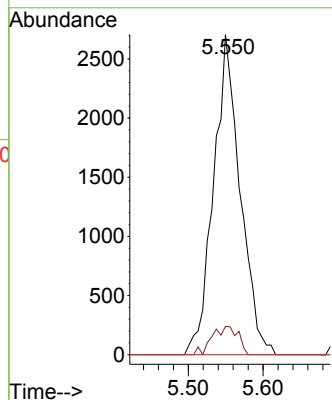


#36
1,1-Dichloropropene
Concen: 5.169 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Instrument :
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20241107-AMENDED-COMPOSITE-35N-N-4-06RE

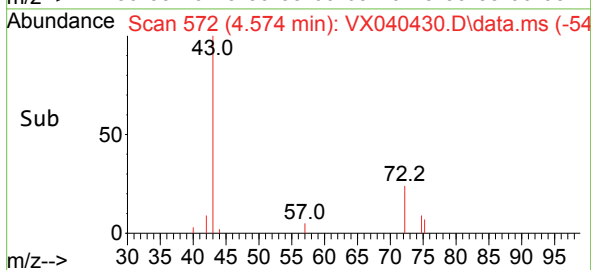
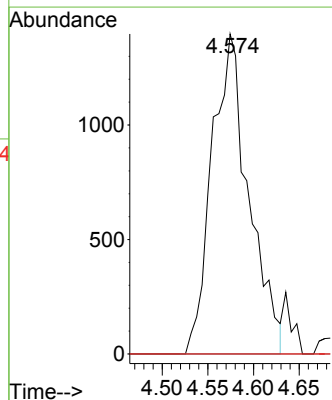
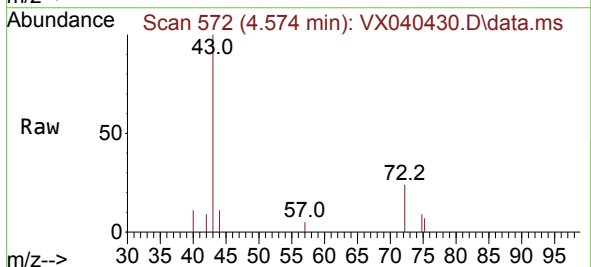


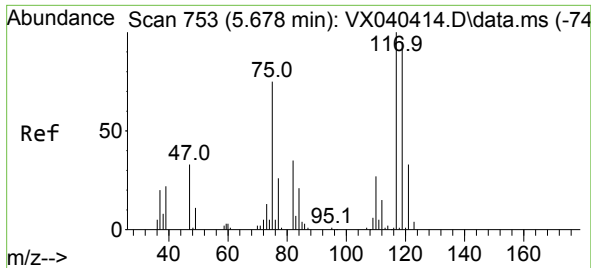
Tgt Ion: 75 Resp: 6701
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.648 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.140 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

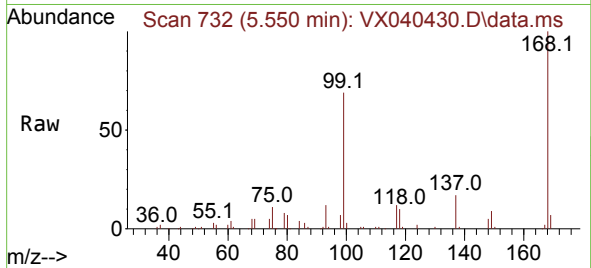
Tgt Ion: 43 Resp: 3922
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



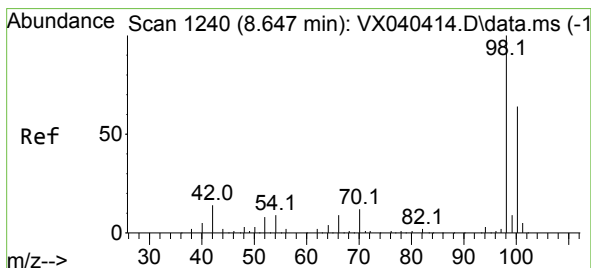
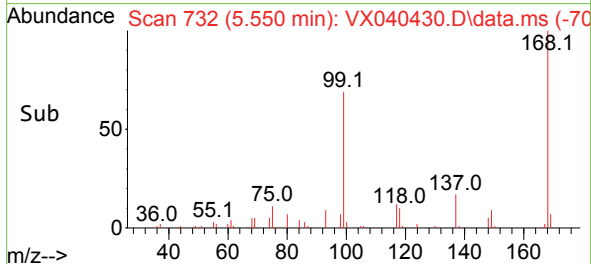
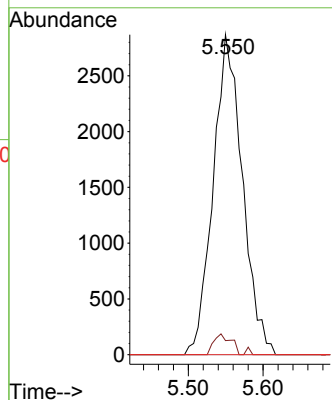


#38
Carbon Tetrachloride
Concen: 6.513 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Instrument : MSVOA_X
ClientSampleId : 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

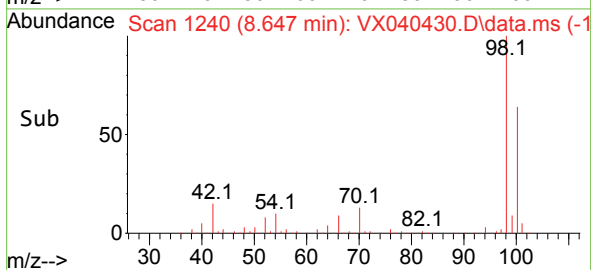
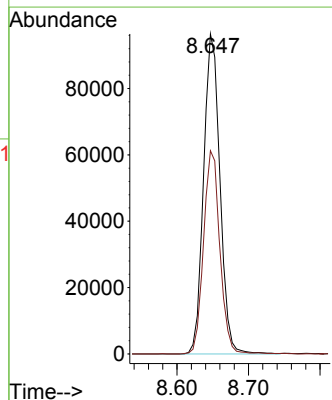
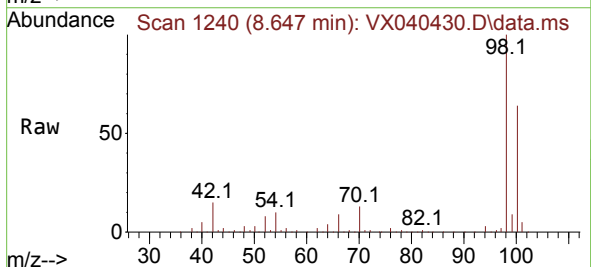


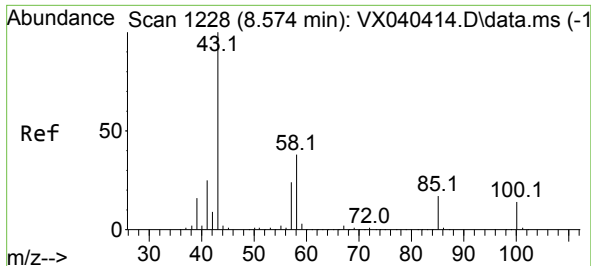
Tgt Ion:117 Resp: 7813
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.704 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion: 98 Resp: 153430
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7

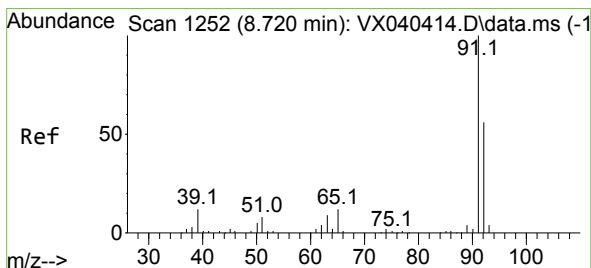
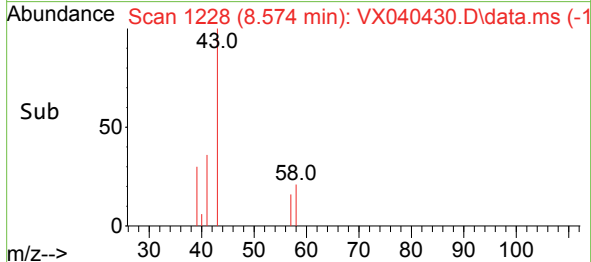
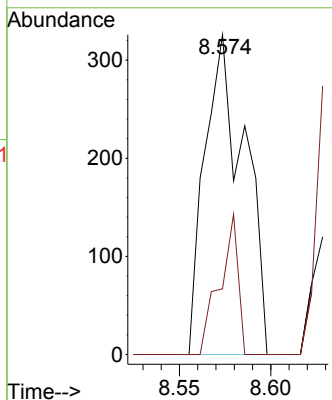
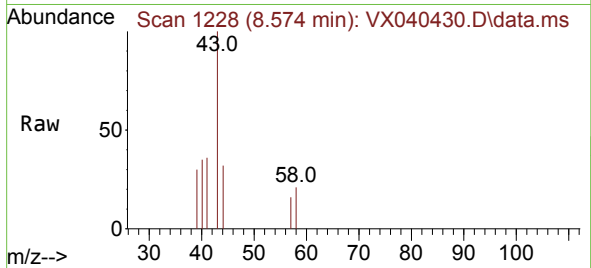




#51
4-Methyl-2-Pentanone
Concen: 0.318 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

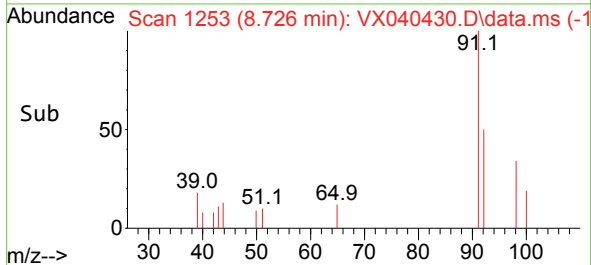
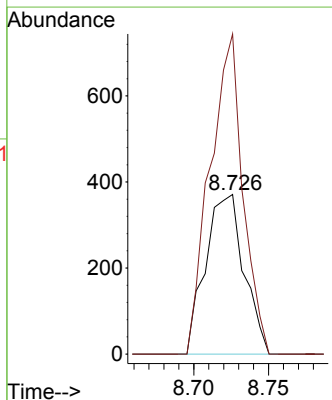
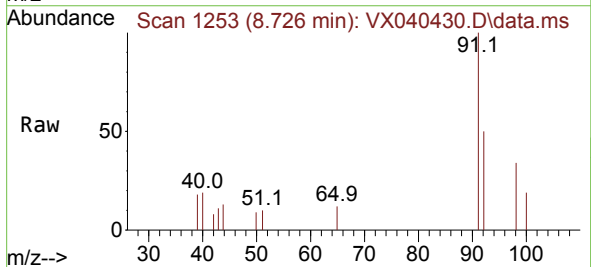
Instrument : MSVOA_X
ClientSampleId : 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

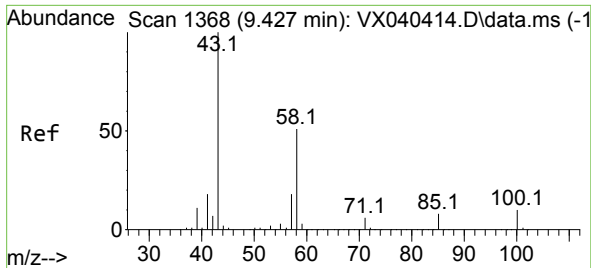
Tgt Ion: 43 Resp: 491
Ion Ratio Lower Upper
43 100
58 20.4 30.4 45.6#



#52
Toluene
Concen: 0.307 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion: 92 Resp: 663
Ion Ratio Lower Upper
92 100
91 171.8 134.2 201.2

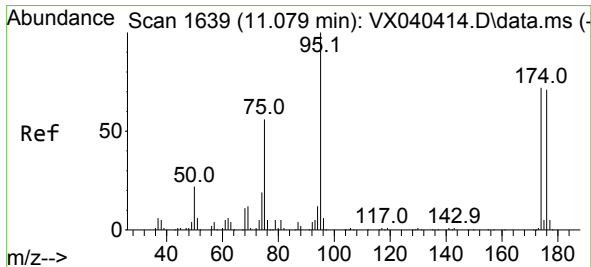
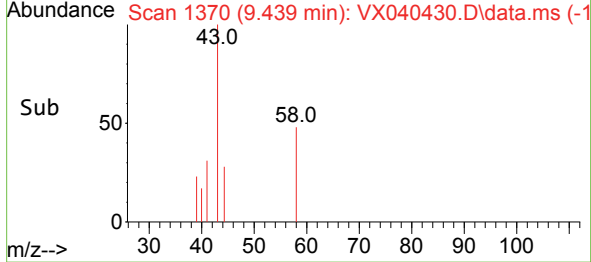
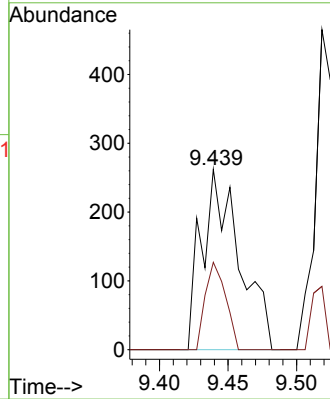
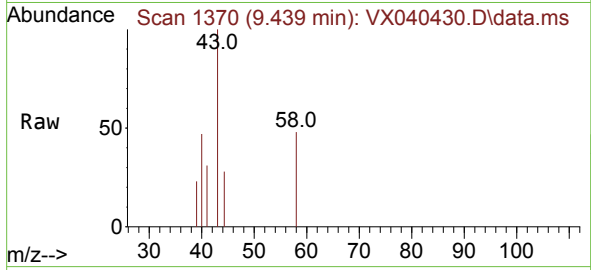




#59
2-Hexanone
Concen: 0.420 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

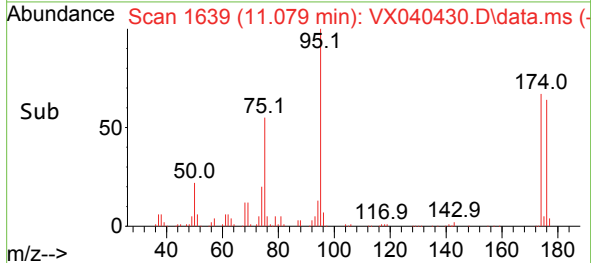
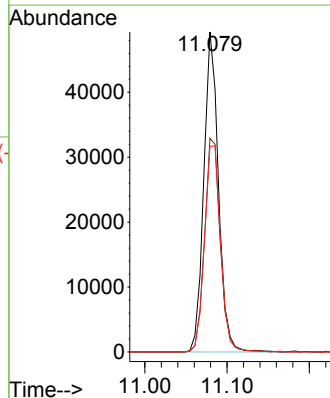
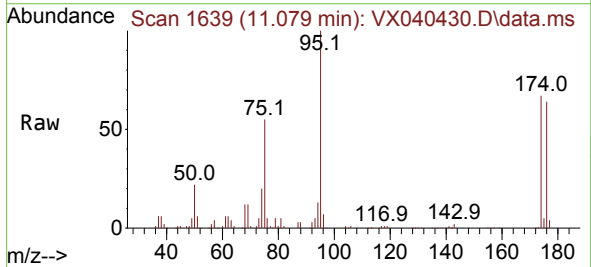
Instrument :
MSVOA_X
ClientSampleId :
20241107-AMENDED-COMPOSITE-35N-N-4-06RE

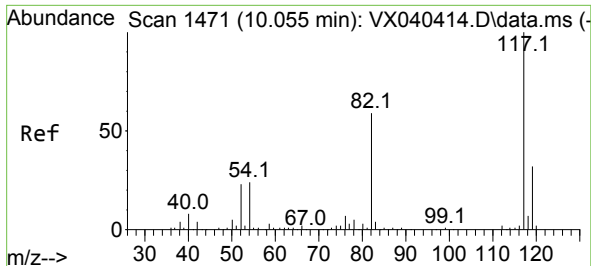
Tgt Ion: 43 Resp: 500
Ion Ratio Lower Upper
43 100
58 26.2 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 50.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion: 95 Resp: 61034
Ion Ratio Lower Upper
95 100
174 71.6 0.0 135.6
176 70.5 0.0 131.0

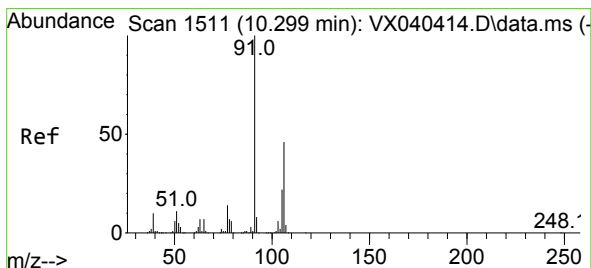
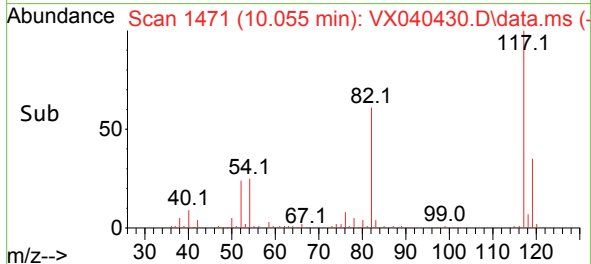
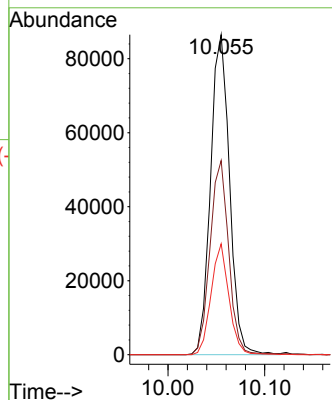
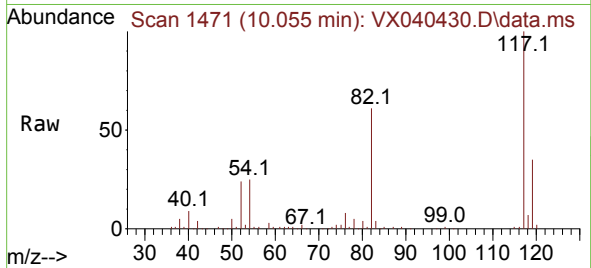




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

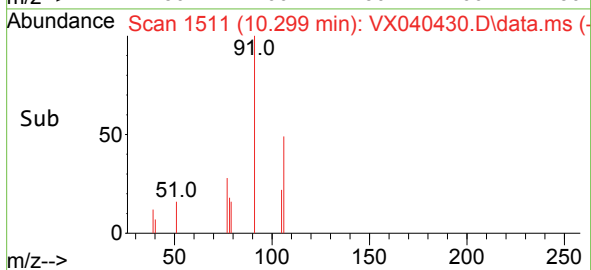
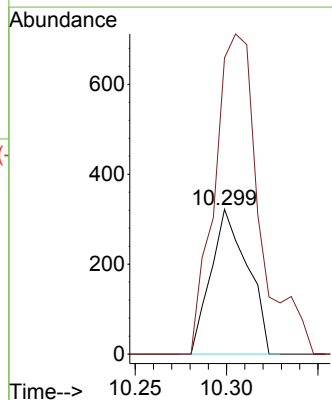
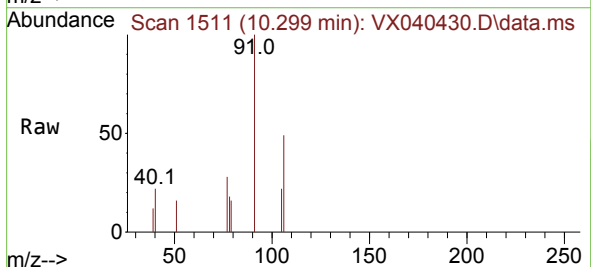
Instrument : MSVOA_X
ClientSampleId : 20241107-AMENDED-COMPOSITE-35N-N-4-06RE

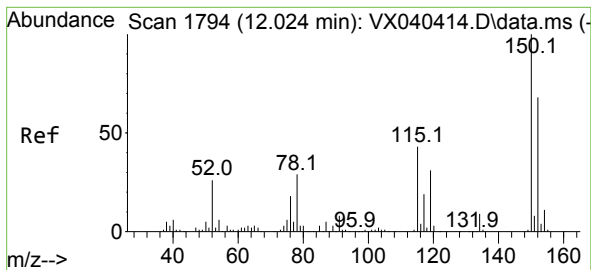
Tgt Ion:117 Resp: 118281
Ion Ratio Lower Upper
117 100
82 60.7 46.2 69.4
119 34.7 25.5 38.3



#68
m/p-Xylenes
Concen: 0.277 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion:106 Resp: 451
Ion Ratio Lower Upper
106 100
91 270.3 165.5 248.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040430.D

Acq: 23 Feb 2024 14:37

Instrument :

MSVOA_X

ClientSampleId :

20241107-AMENDED-COMPOSITE-35N-N-4-06RE

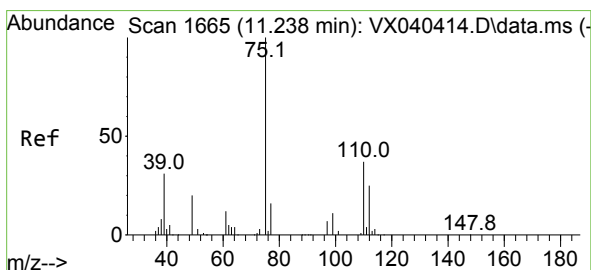
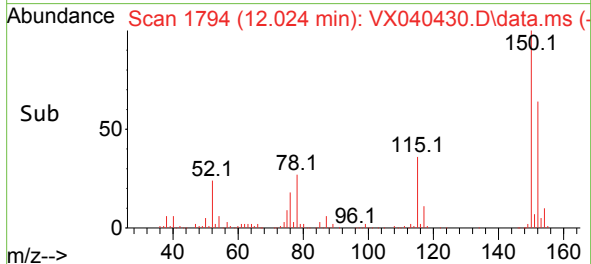
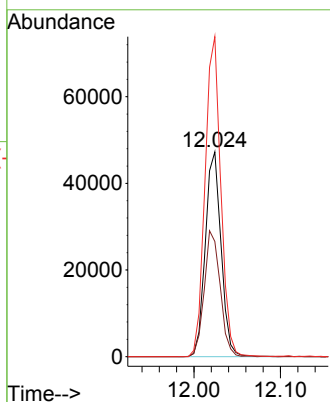
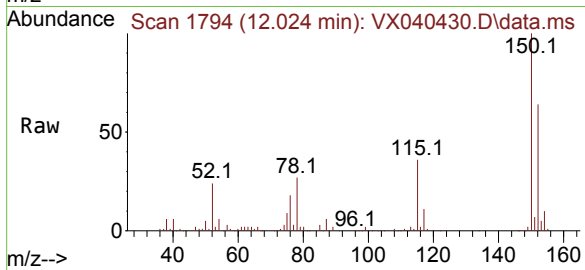
Tgt Ion:152 Resp: 59713

Ion Ratio Lower Upper

152 100

115 62.2 43.3 129.9

150 156.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.618 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX040430.D

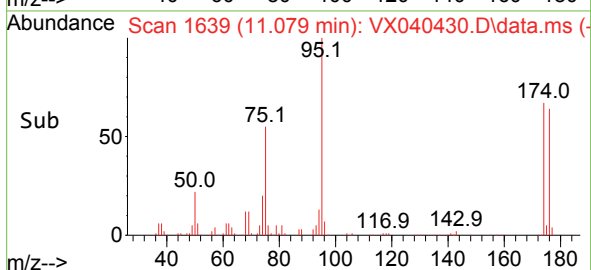
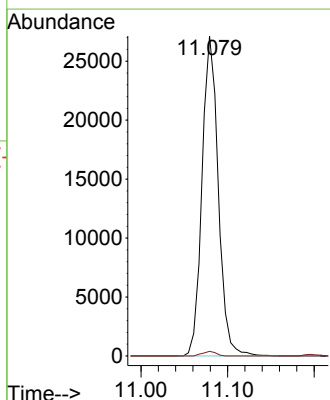
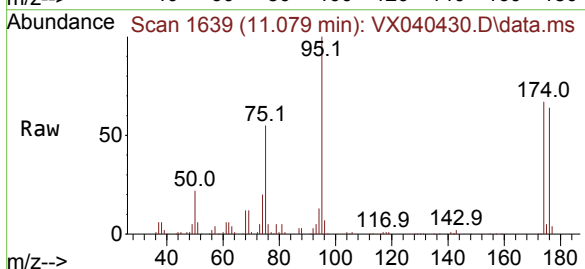
Acq: 23 Feb 2024 14:37

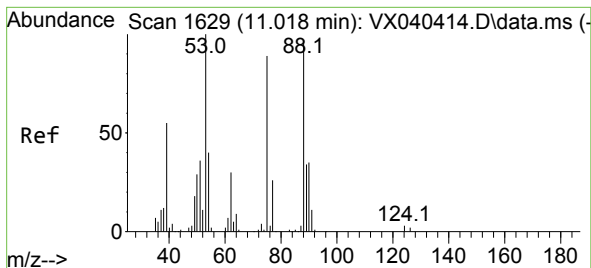
Tgt Ion: 75 Resp: 35343

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

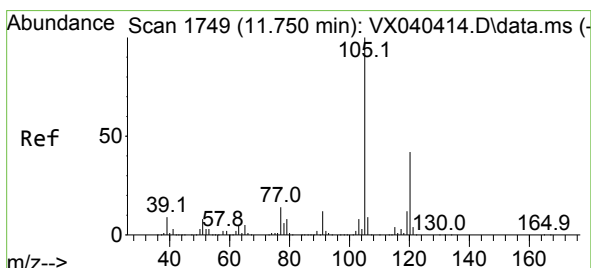
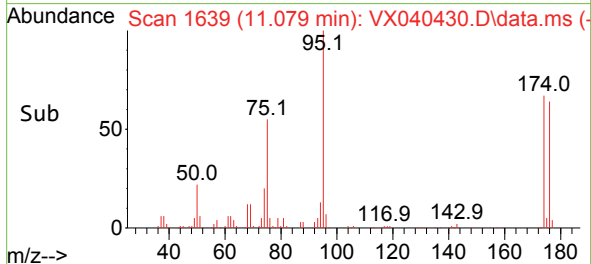
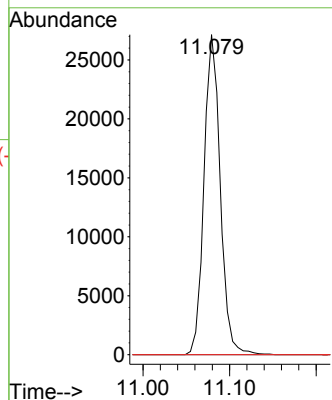
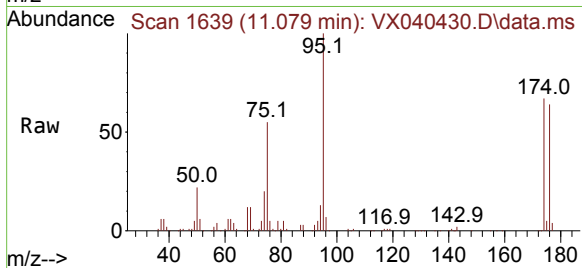




#81
trans-1,4-Dichloro-2-butene
Concen: 92.619 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Instrument :
MSVOA_X
ClientSampleId :
20241107-AMENDED-COMPOSITE-35N-N-4-06RE

Tgt Ion: 75 Resp: 35343
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: 0.212 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.012 min
Lab File: VX040430.D
Acq: 23 Feb 2024 14:37

Tgt Ion: 105 Resp: 766
Ion Ratio Lower Upper
105 100
120 35.2 21.2 63.6

