

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040428.D
 Acq On : 23 Feb 2024 13:51
 Operator : JC/MD
 Sample : P1539-04RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

Quant Time: Feb 23 22:18:26 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	5.550	168	68552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	121386	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58948	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55011	49.274	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.540%
35) Dibromofluoromethane	5.385	113	26893	32.877	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	65.760%#
50) Toluene-d8	8.647	98	149951	50.750	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.500%
62) 4-Bromofluorobenzene	11.079	95	57716	48.747	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.500%

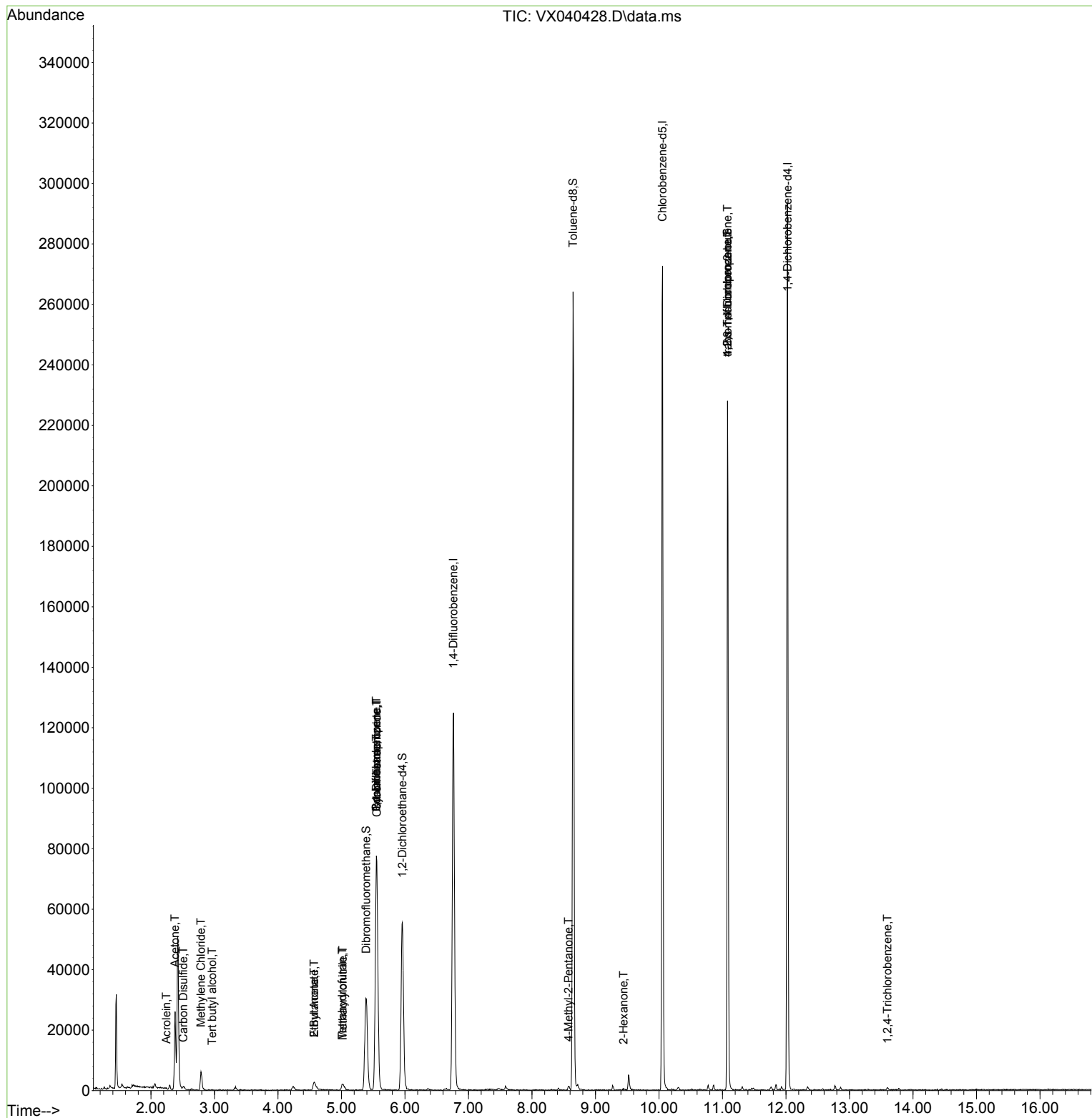
Target Compounds						Qvalue
11) Tert butyl alcohol	2.965	59	143	0.663	ug/l #	78
13) Acrolein	2.240	56	313	1.212	ug/l #	63
16) Acetone	2.380	43	26014	55.922	ug/l	97
17) Carbon Disulfide	2.508	76	1111	0.533	ug/l #	76
20) Methylene Chloride	2.788	84	2845	2.921	ug/l #	80
25) 2-Butanone	4.568	43	5030	6.936	ug/l #	85
29) Tetrahydrofuran	5.013	42	1744	3.612	ug/l #	85
31) Cyclohexane	5.550	56	2074	1.550	ug/l #	26
36) 1,1-Dichloropropene	5.550	75	6483	5.121	ug/l #	51
37) Ethyl Acetate	4.568	43	5030	3.478	ug/l #	69
38) Carbon Tetrachloride	5.556	117	7429	6.343	ug/l #	15
41) Methacrylonitrile	5.020	41	1147	1.493	ug/l #	52
51) 4-Methyl-2-Pentanone	8.574	43	982	0.652	ug/l	94
59) 2-Hexanone	9.439	43	576	0.495	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	32968	25.151	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	32968	87.516	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.597	180	253	0.208	ug/l #	87

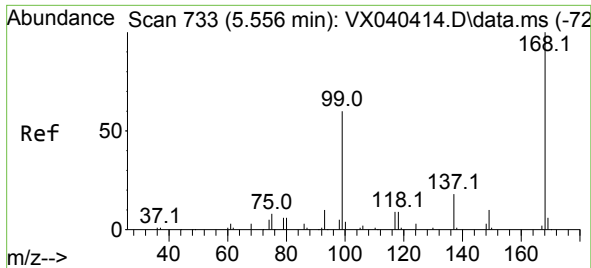
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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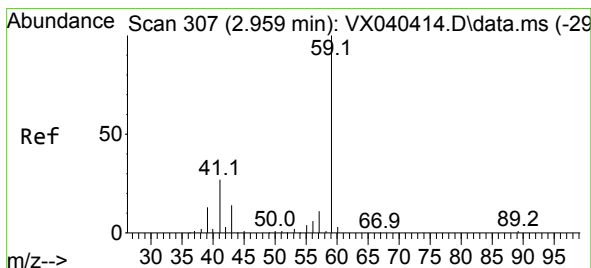
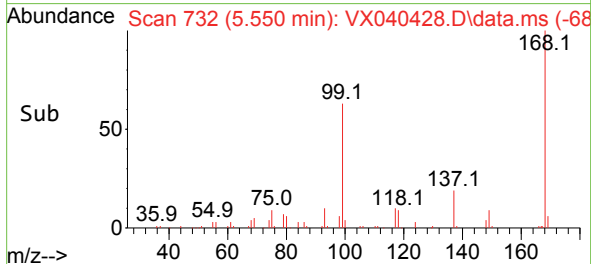
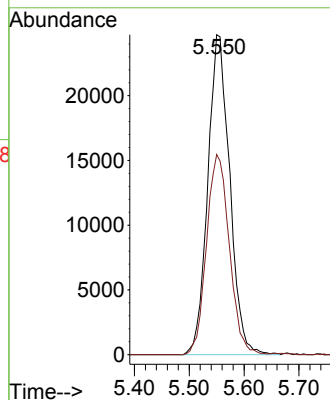
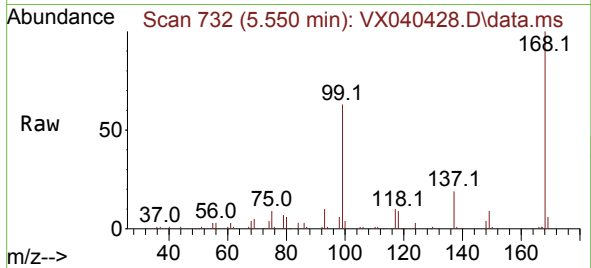




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

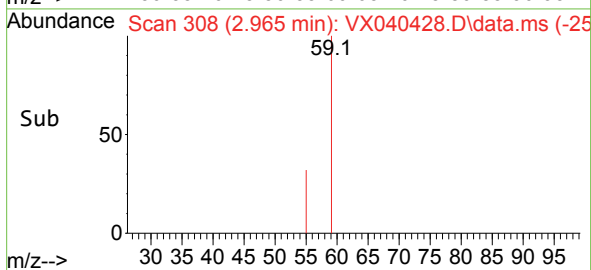
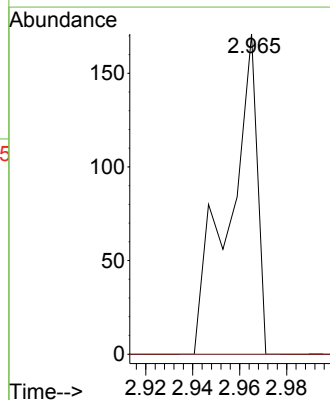
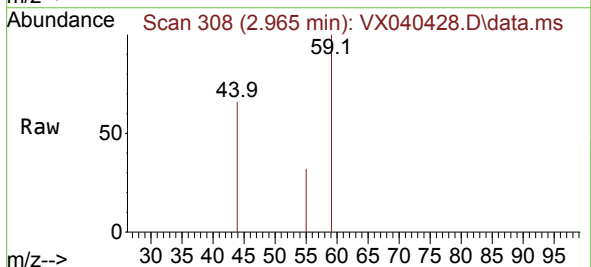
Instrument :
MSVOA_X
ClientSampleId :
20241105-AMENDED-COMPOSITE-35N-N-4-04RE

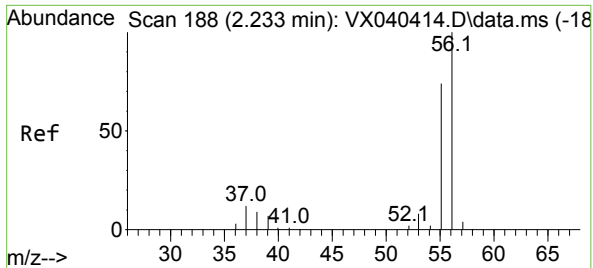
Tgt Ion:168 Resp: 68552
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.663 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Tgt Ion: 59 Resp: 143
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 1.212 ug/l

RT: 2.240 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX040428.D

Acq: 23 Feb 2024 13:51

Instrument :

MSVOA_X

ClientSampleId :

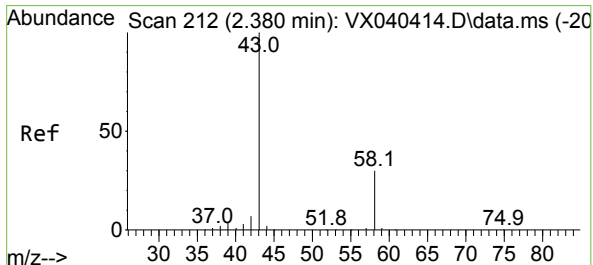
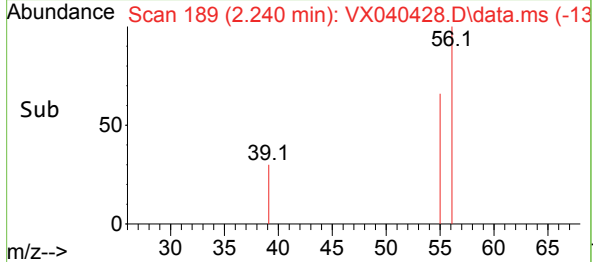
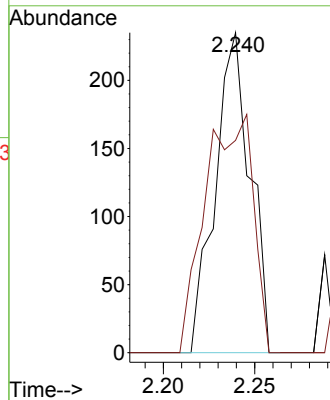
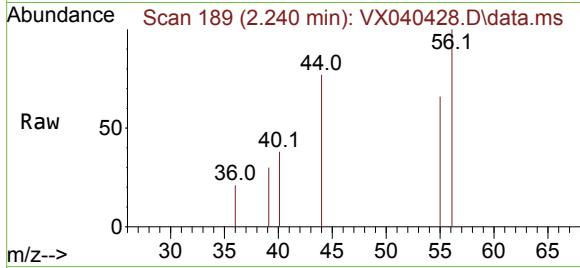
20241105-AMENDED-COMPOSITE-35N-N-4-04RE

Tgt Ion: 56 Resp: 313

Ion Ratio Lower Upper

56 100

55 101.9 57.1 85.7#



#16

Acetone

Concen: 55.922 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX040428.D

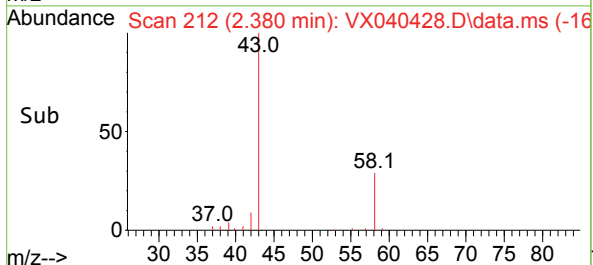
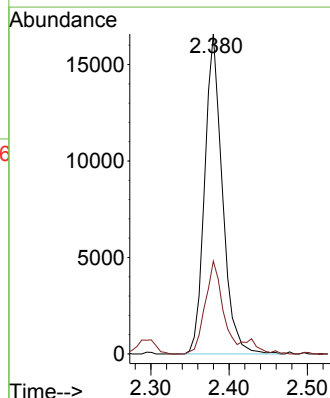
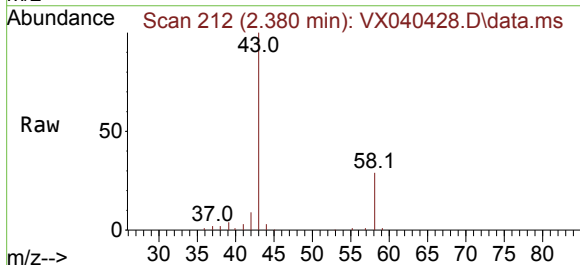
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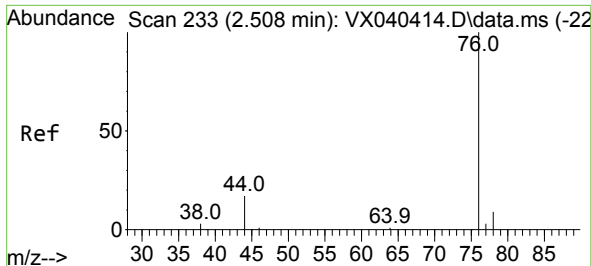
Tgt Ion: 43 Resp: 26014

Ion Ratio Lower Upper

43 100

58 29.0 21.9 32.9





#17

Carbon Disulfide

Concen: 0.533 ug/l

RT: 2.508 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX040428.D

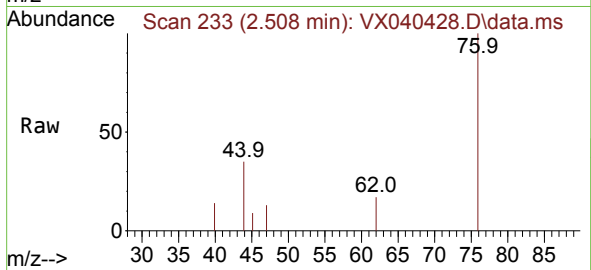
Acq: 23 Feb 2024 13:51

Instrument :

MSVOA_X

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04RE

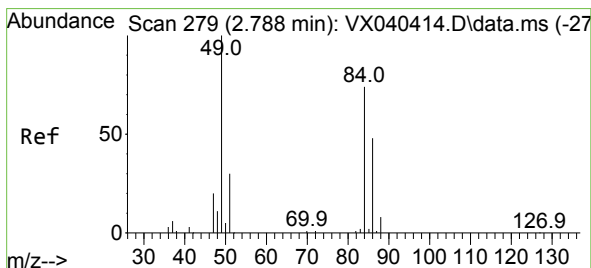
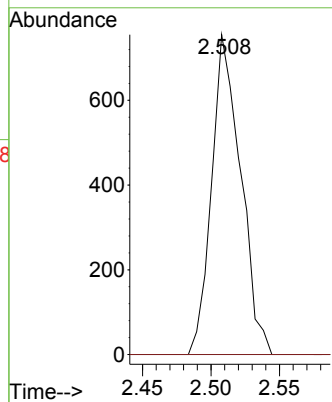
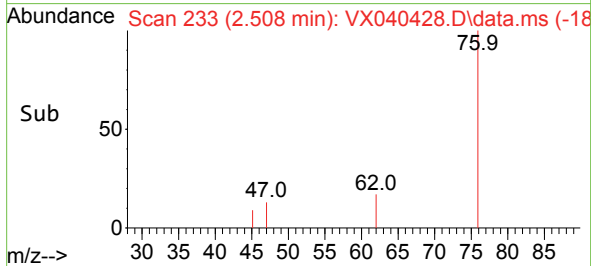


Tgt Ion: 76 Resp: 1111

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 2.921 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX040428.D

Acq: 23 Feb 2024 13:51

Tgt Ion: 84 Resp: 2845

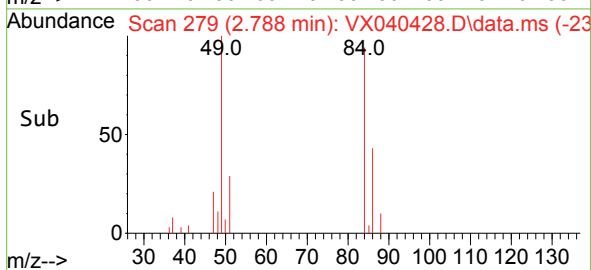
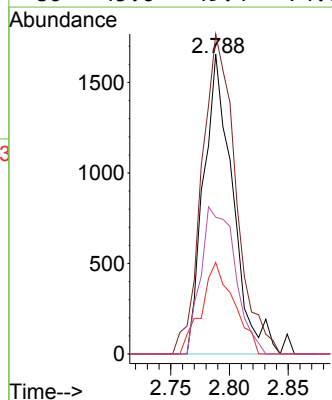
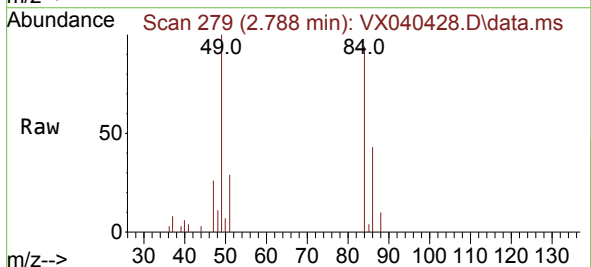
Ion Ratio Lower Upper

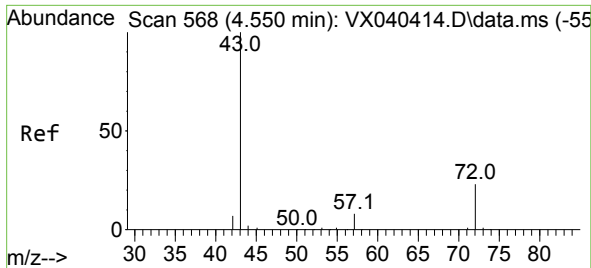
84 100

49 106.7 103.6 155.4

51 30.5 33.8 50.6#

86 45.6 49.4 74.0#

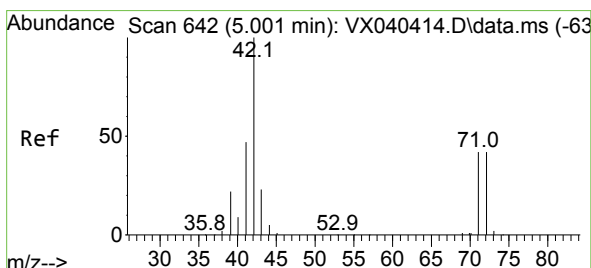
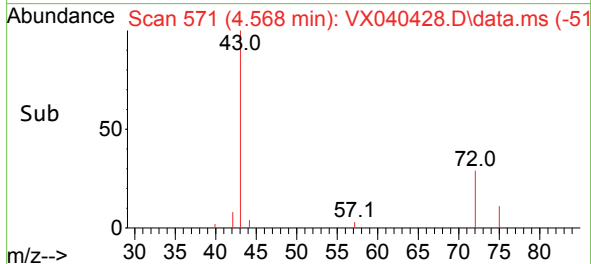
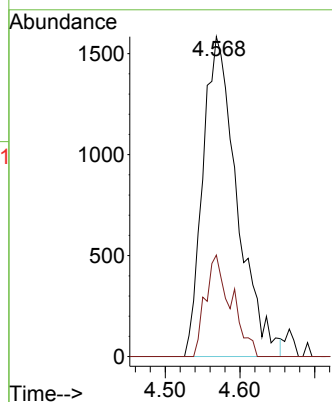
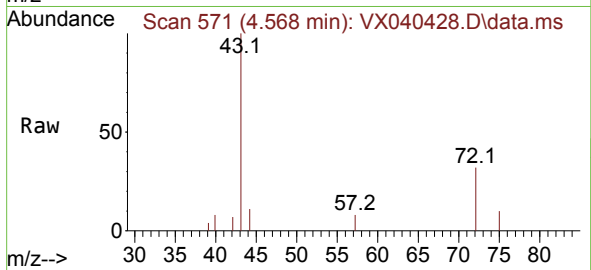




#25
2-Butanone
Concen: 6.936 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

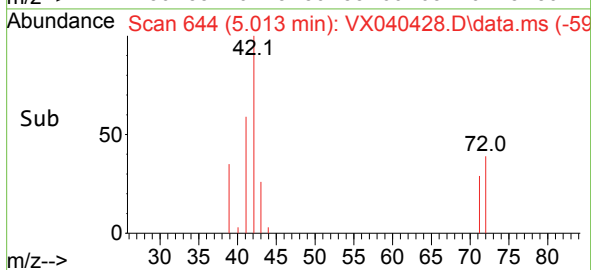
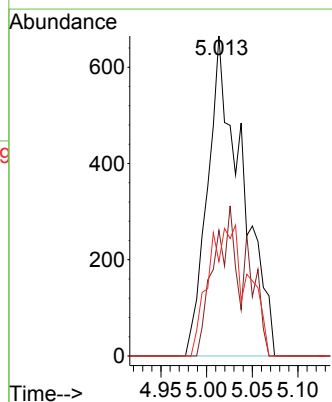
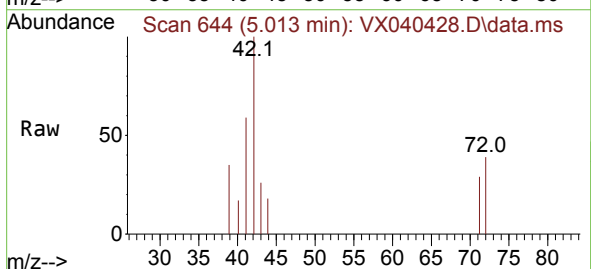
Instrument :
MSVOA_X
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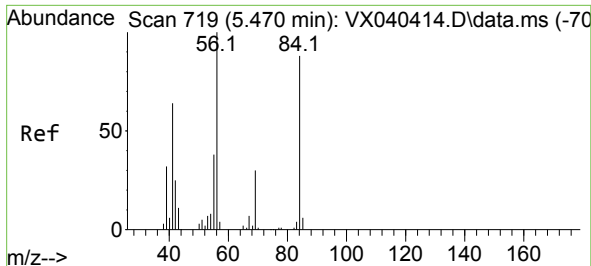
Tgt Ion: 43 Resp: 5030
Ion Ratio Lower Upper
43 100
72 31.8 19.4 29.2#



#29
Tetrahydrofuran
Concen: 3.612 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.012 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

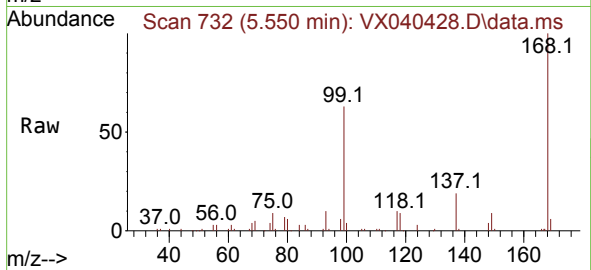
Tgt Ion: 42 Resp: 1744
Ion Ratio Lower Upper
42 100
72 30.2 34.2 51.4#
71 46.6 32.2 48.2



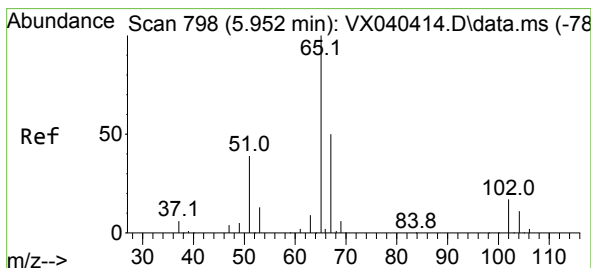
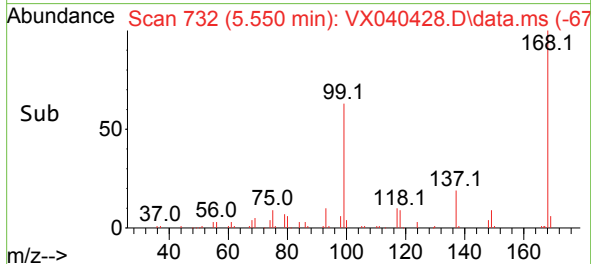
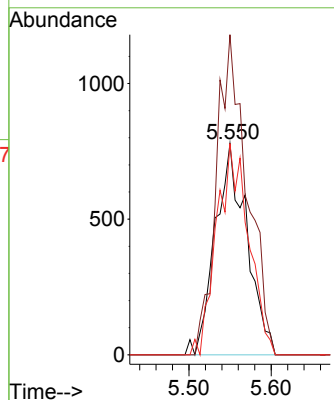


#31
Cyclohexane
Concen: 1.550 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Instrument : MSVOA_X
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

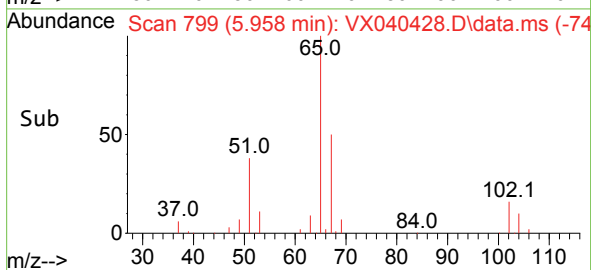
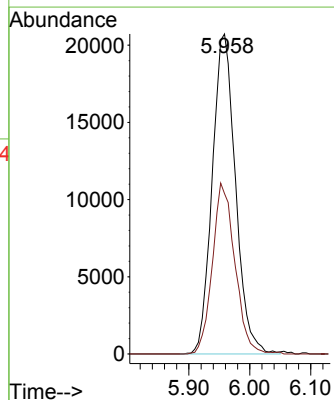
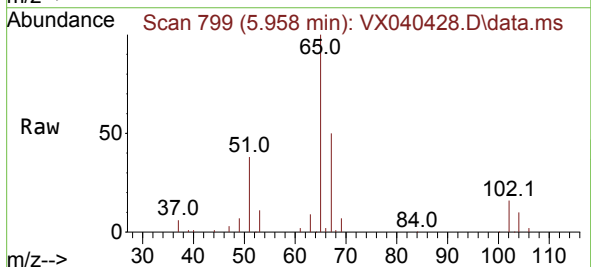


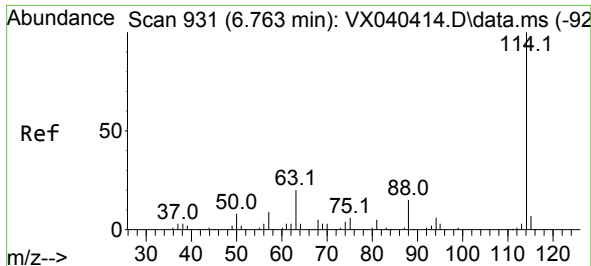
Tgt Ion: 56 Resp: 2074
Ion Ratio Lower Upper
56 100
69 151.5 23.4 35.2#
84 100.0 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.274 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Tgt Ion: 65 Resp: 55011
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

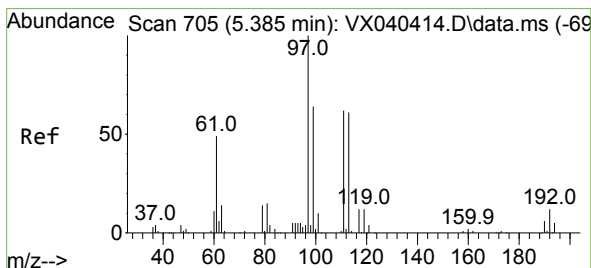
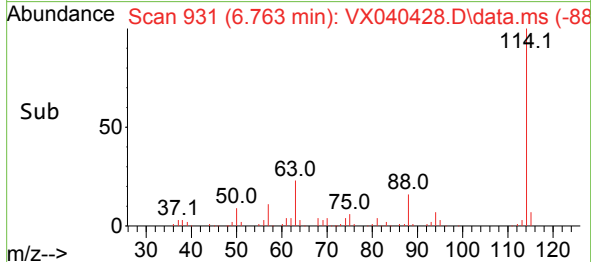
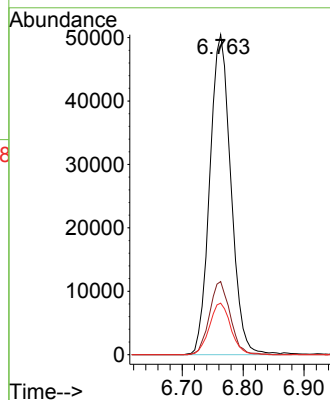
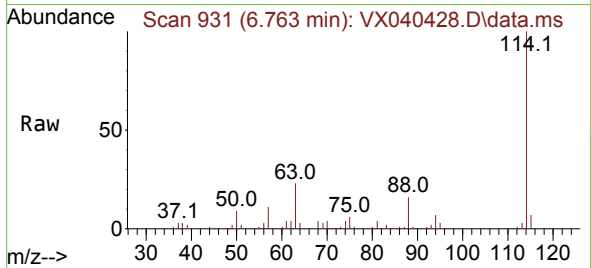




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

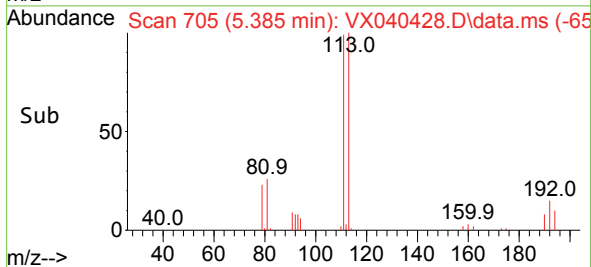
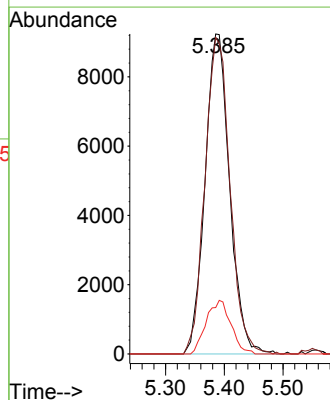
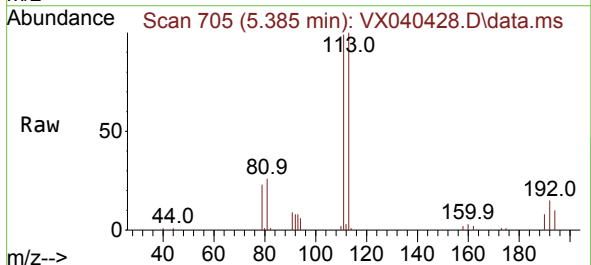
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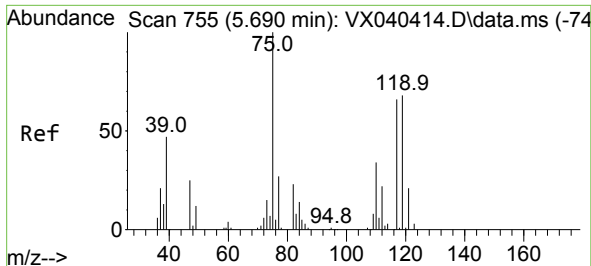
Tgt Ion:114 Resp: 121386
Ion Ratio Lower Upper
114 100
63 22.8 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 32.877 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Tgt Ion:113 Resp: 26893
Ion Ratio Lower Upper
113 100
111 100.8 82.9 124.3
192 16.8 13.3 19.9





#36

1,1-Dichloropropene

Concen: 5.121 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX040428.D

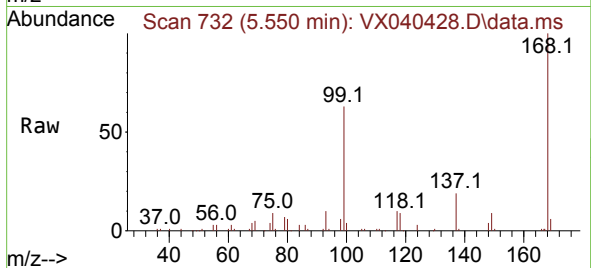
Acq: 23 Feb 2024 13:51

Instrument :

MSVOA_X

ClientSampleId :

20241105-AMENDED-COMPOSITE-35N-N-4-04RE



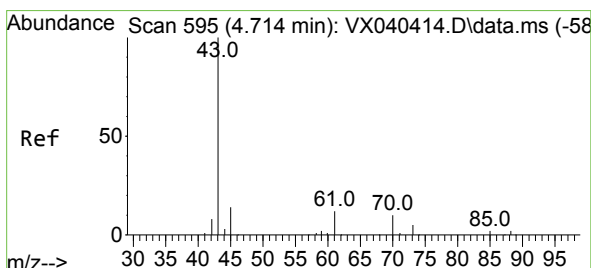
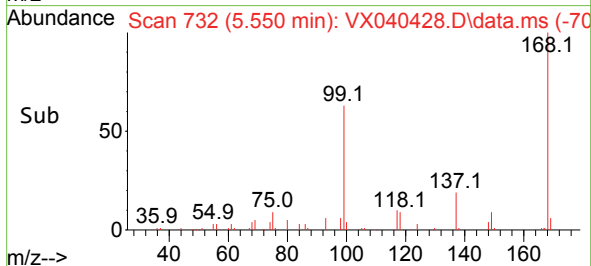
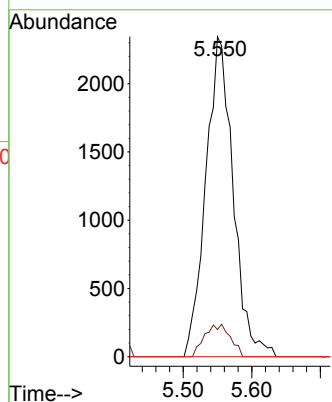
Tgt Ion: 75 Resp: 6483

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 3.478 ug/l

RT: 4.568 min Scan# 571

Delta R.T. -0.146 min

Lab File: VX040428.D

Acq: 23 Feb 2024 13:51

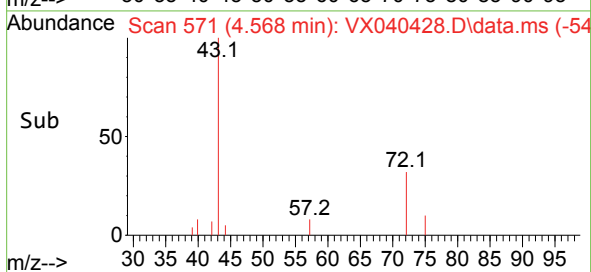
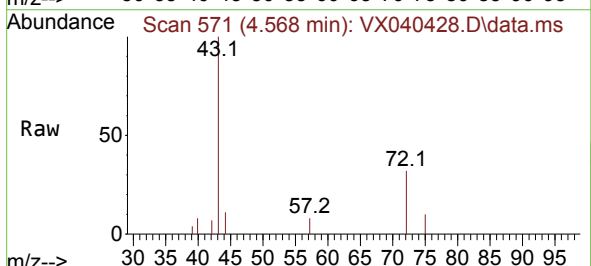
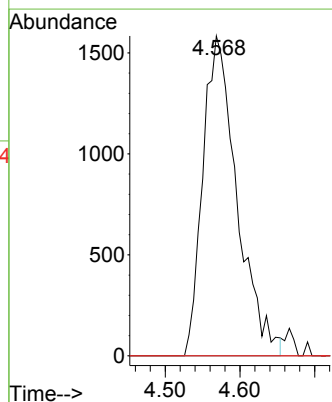
Tgt Ion: 43 Resp: 5030

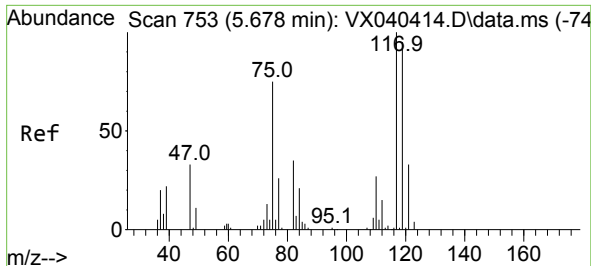
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

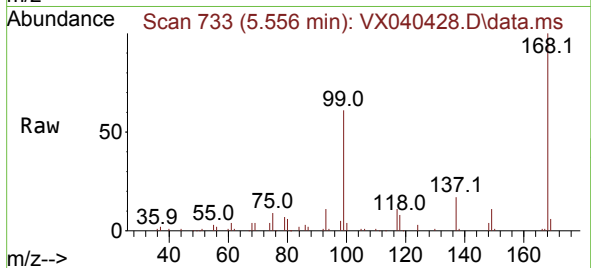
70 0.0 8.3 12.5#



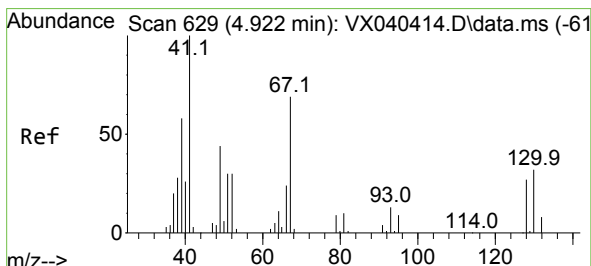
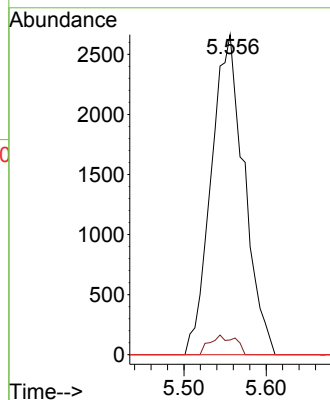
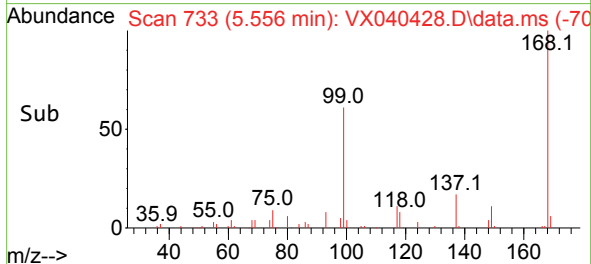


#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Instrument : MSVOA_X
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

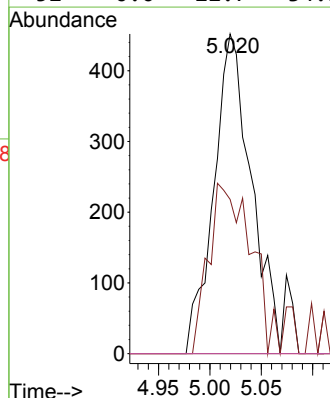
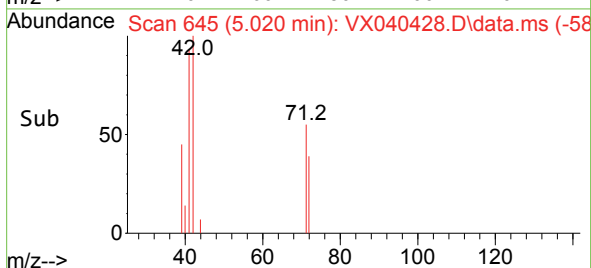
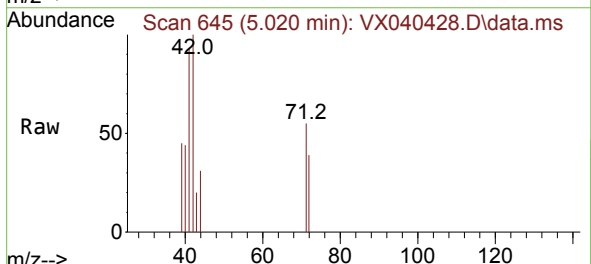


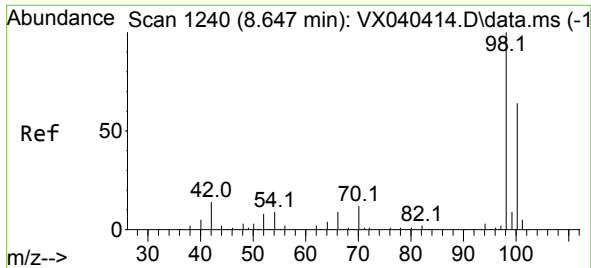
Tgt Ion:117 Resp: 7429
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.493 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Tgt Ion: 41 Resp: 1147
Ion Ratio Lower Upper
41 100
39 60.9 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

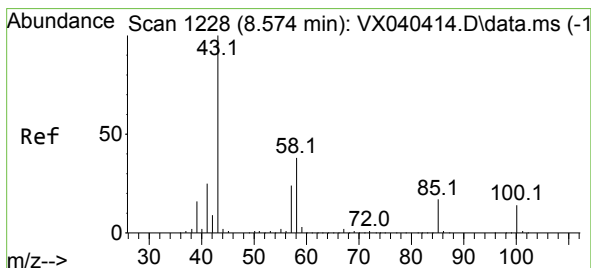
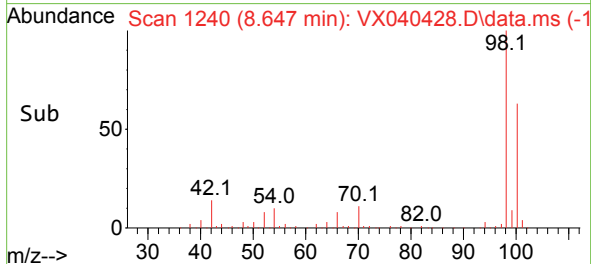
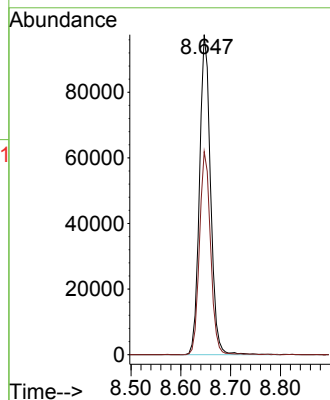
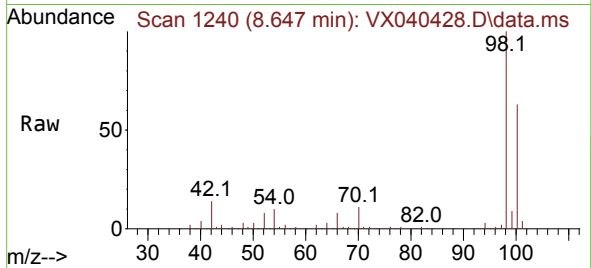




#50
Toluene-d8
Concen: 50.750 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

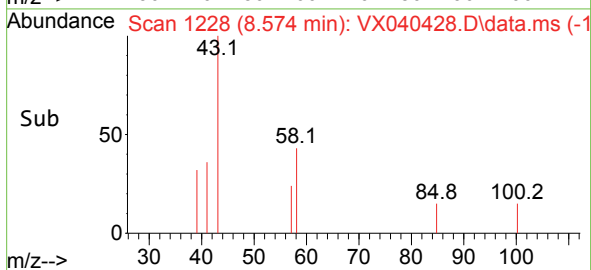
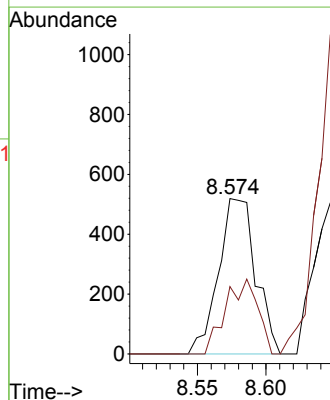
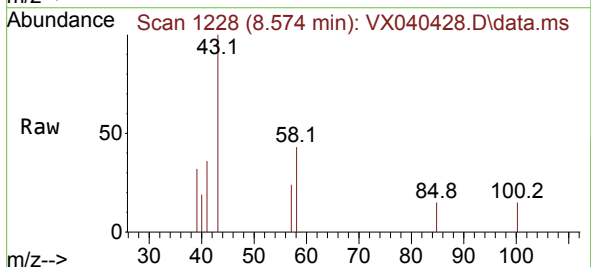
Instrument : MSVOA_X
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

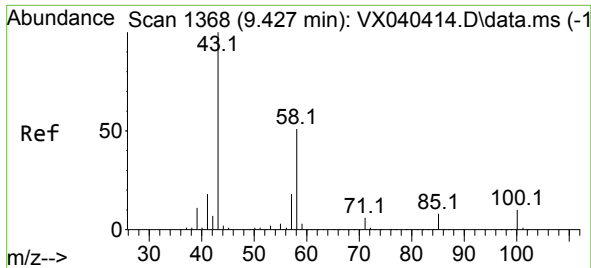
Tgt Ion: 98 Resp: 149951
Ion Ratio Lower Upper
98 100
100 63.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.652 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
58 41.8 30.4 45.6

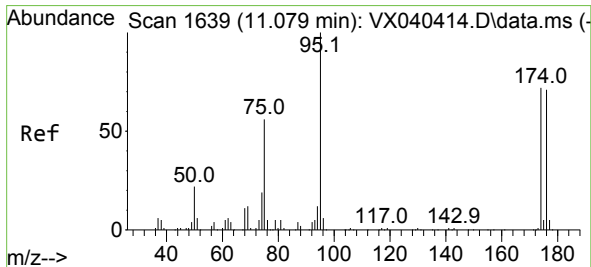
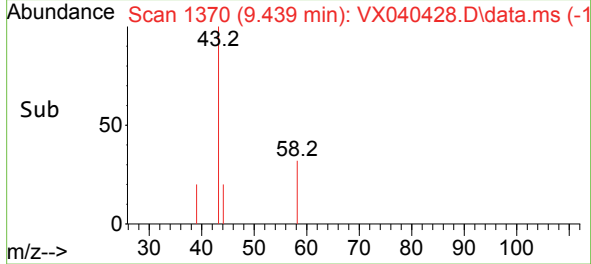
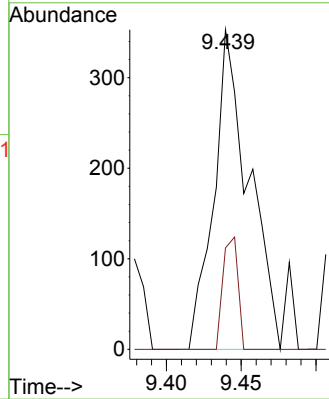
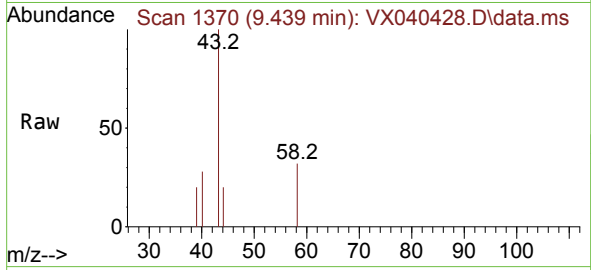




#59
2-Hexanone
Concen: 0.495 ug/l
RT: 9.439 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

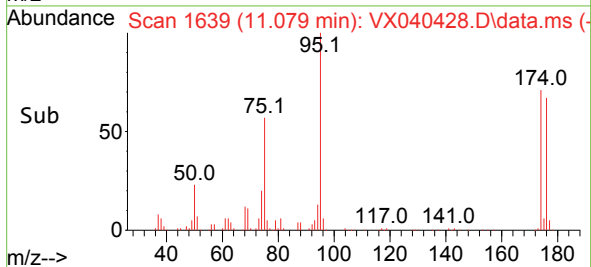
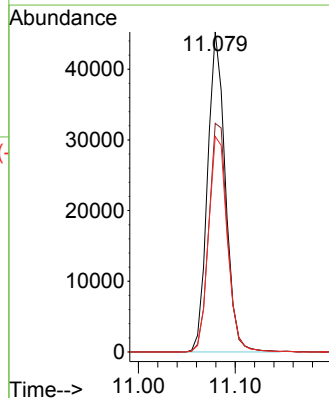
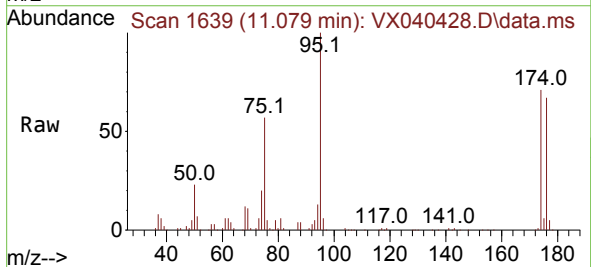
Instrument : MSVOA_X
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

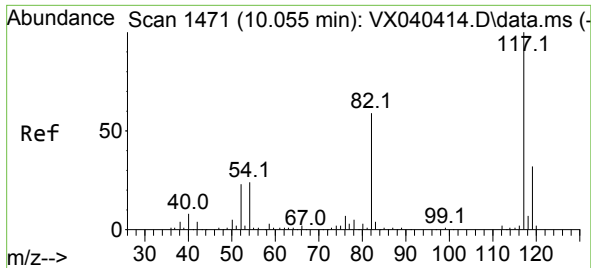
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 14.9 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 48.747 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Tgt Ion: 95 Resp: 57716
Ion Ratio Lower Upper
95 100
174 75.3 0.0 135.6
176 71.4 0.0 131.0

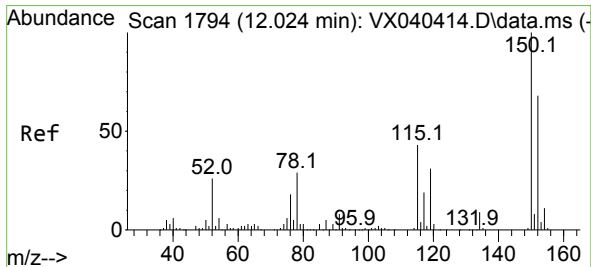
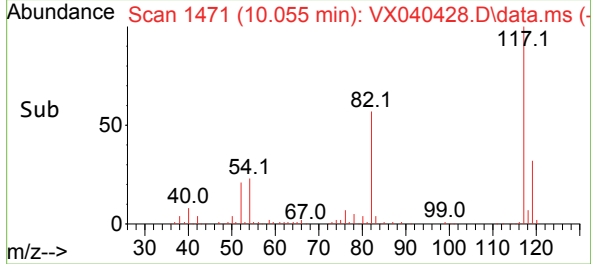
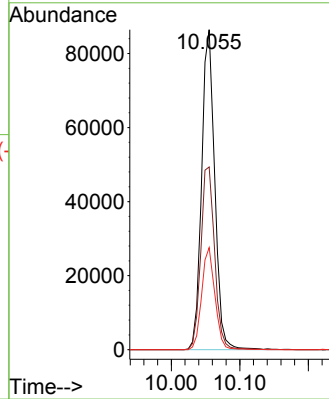
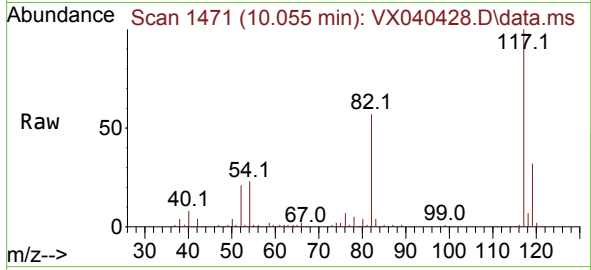




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

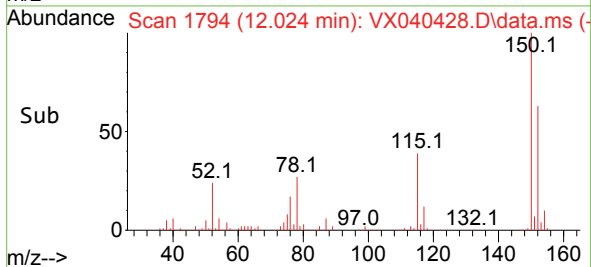
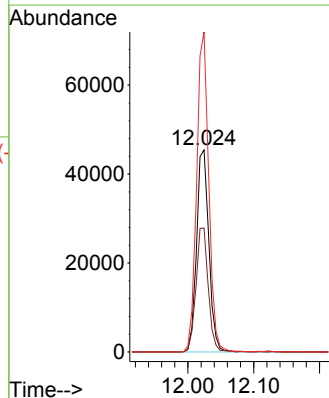
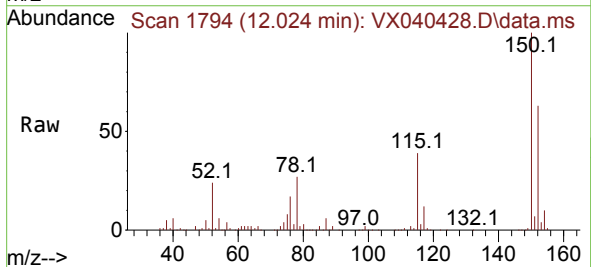
Instrument : MSVOA_X
ClientSampleId : 20241105-AMENDED-COMPOSITE-35N-N-4-04RE

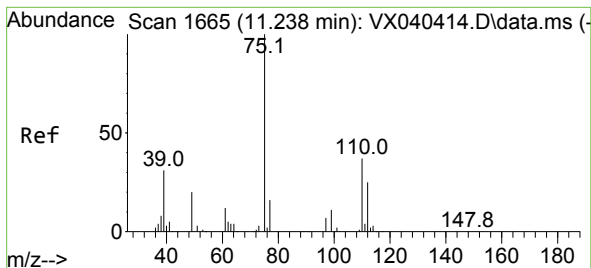
Tgt Ion:117 Resp: 115309
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040428.D
Acq: 23 Feb 2024 13:51

Tgt Ion:152 Resp: 58948
Ion Ratio Lower Upper
152 100
115 61.2 43.3 129.9
150 155.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.151 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040428.D

Acq: 23 Feb 2024 13:51

Instrument :

MSVOA_X

ClientSampleId :

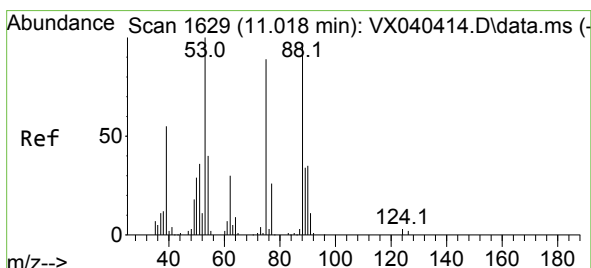
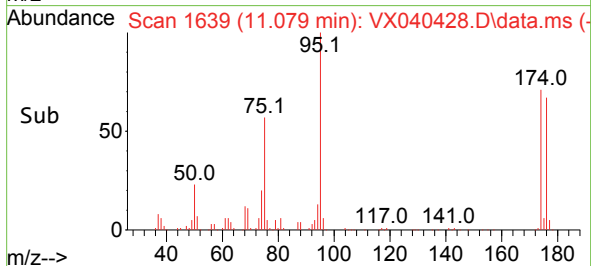
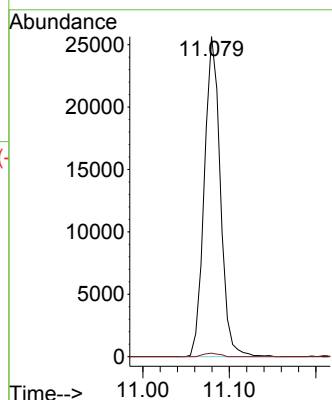
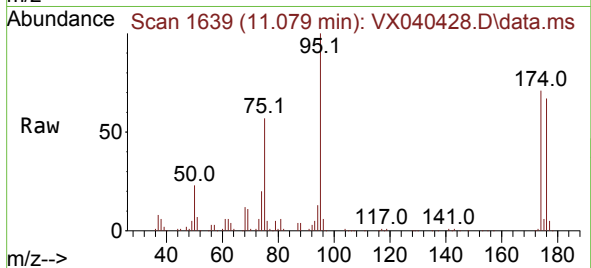
20241105-AMENDED-COMPOSITE-35N-N-4-04RE

Tgt Ion: 75 Resp: 32968

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.516 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040428.D

Acq: 23 Feb 2024 13:51

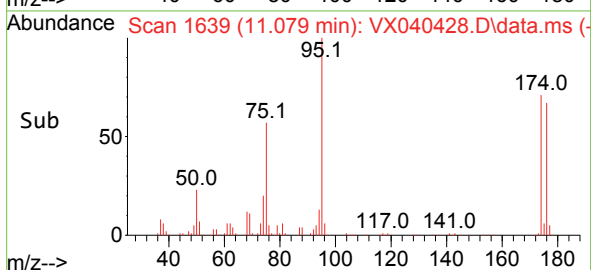
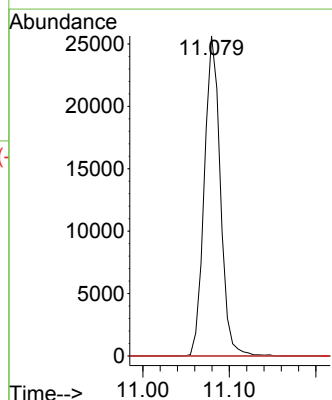
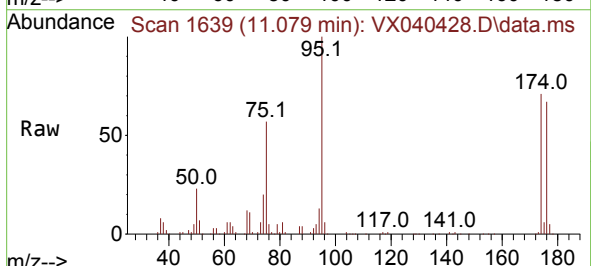
Tgt Ion: 75 Resp: 32968

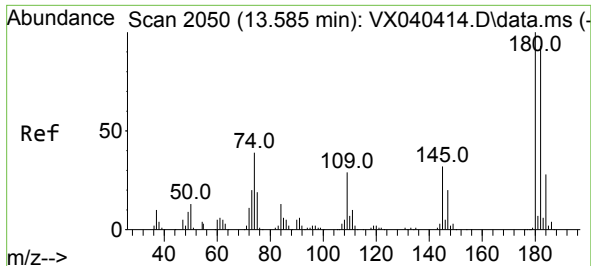
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 13.597 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX040428.D

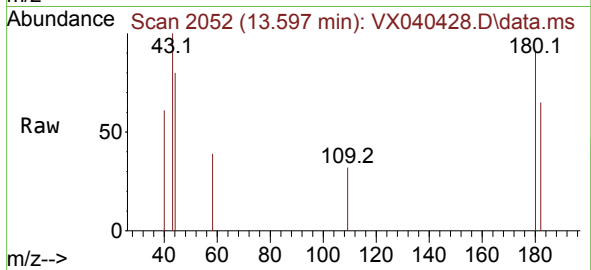
Acq: 23 Feb 2024 13:51

Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:180 Resp: 253

Ion Ratio Lower Upper

180 100

182 98.8 48.3 144.8

145 11.5 18.0 54.0#

