

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040427.D
 Acq On : 23 Feb 2024 13:28
 Operator : JC/MD
 Sample : P1539-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20241104-AMENDED-COMPOSITE-35N-N-4-03RE

Quant Time: Feb 23 22:18:02 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)

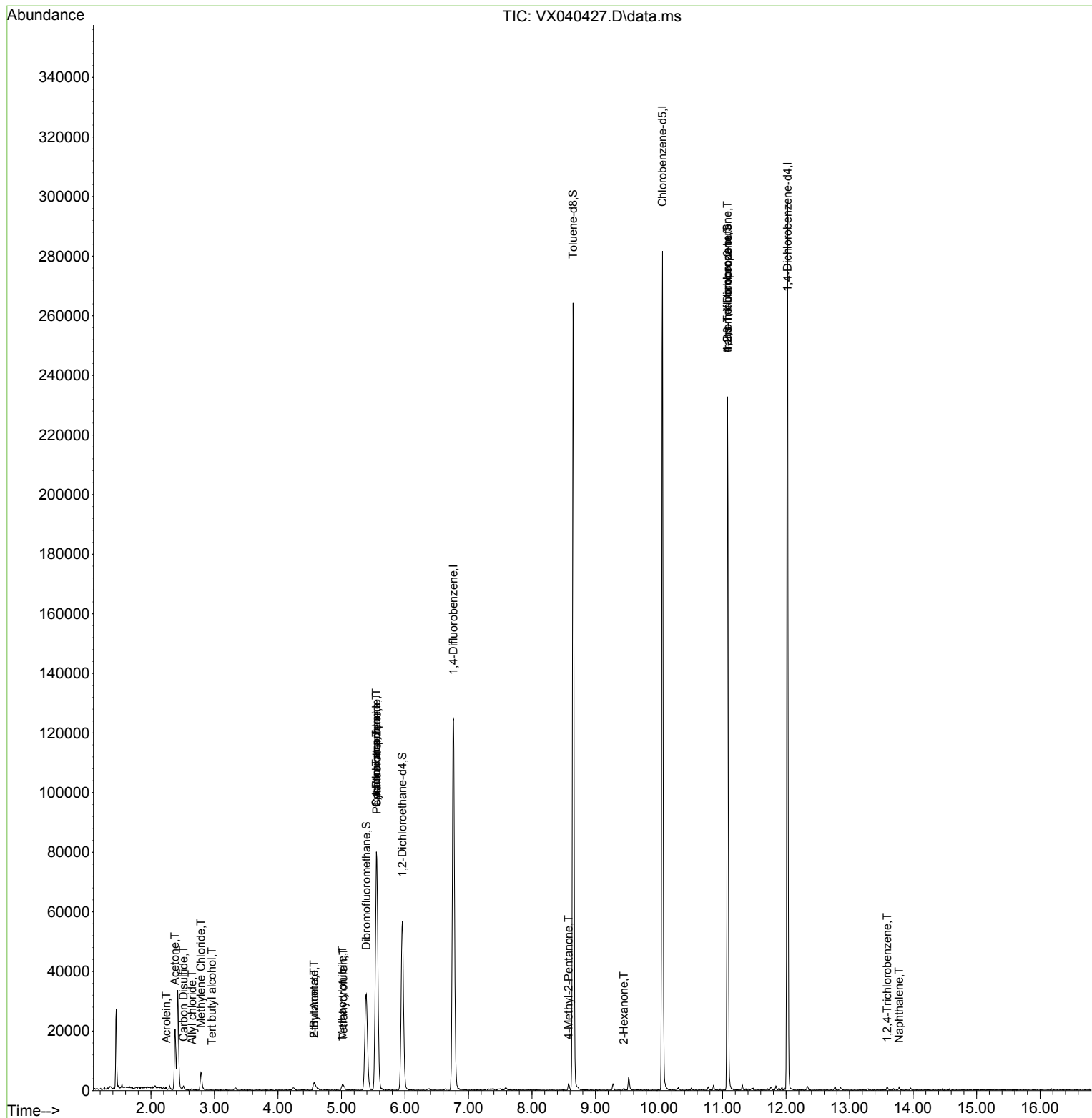
Internal Standards						
1) Pentafluorobenzene	5.556	168	68585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	122247	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58051	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	54858	49.113	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.220%		
35) Dibromofluoromethane	5.391	113	28248	34.290	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	68.580%#		
50) Toluene-d8	8.647	98	150708	50.647	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.300%		
62) 4-Bromofluorobenzene	11.079	95	57437	48.170	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.340%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	72	0.333	ug/l #	78
13) Acrolein	2.239	56	303	1.173	ug/l	95
14) Allyl chloride	2.648	41	327	0.234	ug/l #	31
16) Acetone	2.380	43	22254	47.816	ug/l	100
17) Carbon Disulfide	2.514	76	1338	0.642	ug/l	100
20) Methylene Chloride	2.788	84	2695	2.766	ug/l	91
25) 2-Butanone	4.568	43	4060	5.595	ug/l	99
29) Tetrahydrofuran	5.025	42	1533	3.174	ug/l	93
31) Cyclohexane	5.550	56	1957	1.461	ug/l #	6
36) 1,1-Dichloropropene	5.550	75	6711	5.264	ug/l #	50
37) Ethyl Acetate	4.568	43	4060	2.787	ug/l #	69
38) Carbon Tetrachloride	5.550	117	7990	6.774	ug/l #	15
41) Methacrylonitrile	5.013	41	1106	1.430	ug/l #	50
51) 4-Methyl-2-Pentanone	8.574	43	1303	0.858	ug/l	99
59) 2-Hexanone	9.445	43	388	0.331	ug/l	83
76) 1,2,3-Trichloropropane	11.079	75	33227	25.741	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	33227	89.567	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	315	0.264	ug/l #	84
95) Naphthalene	13.780	128	836	0.218	ug/l #	76

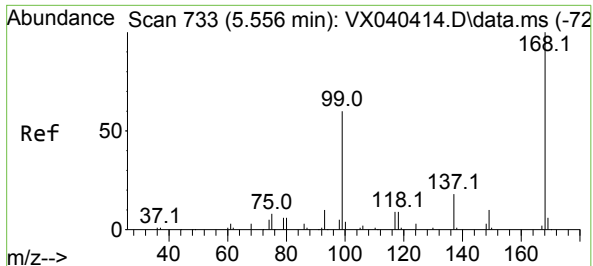
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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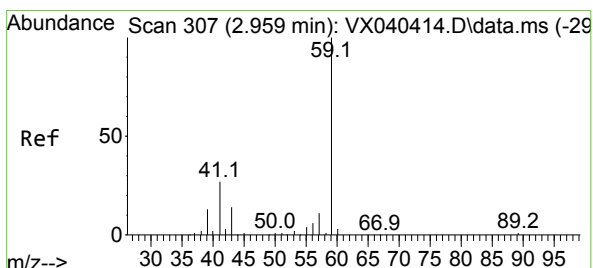
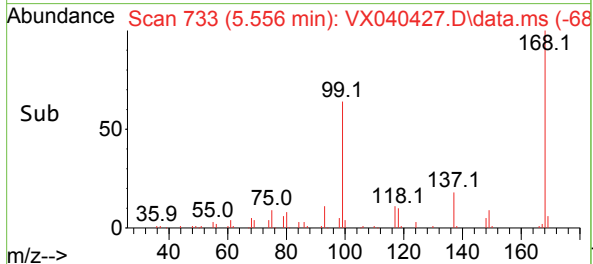
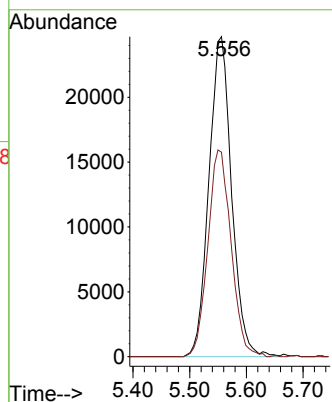
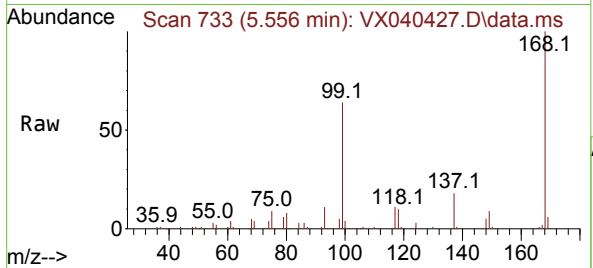




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

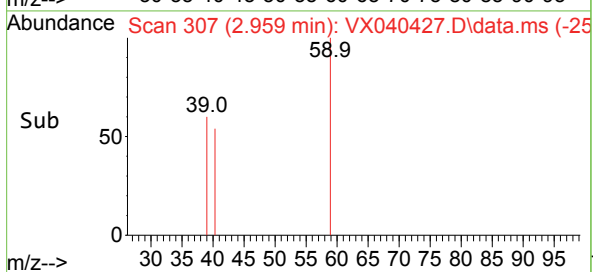
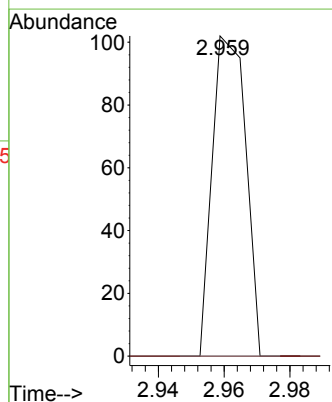
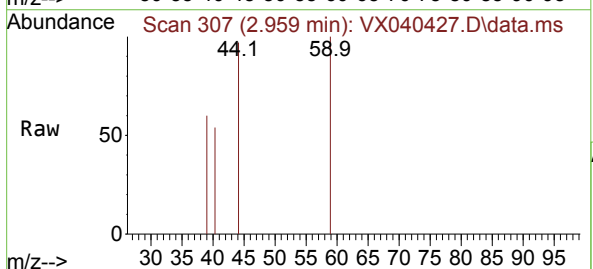
Instrument :
MSVOA_X
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03RE

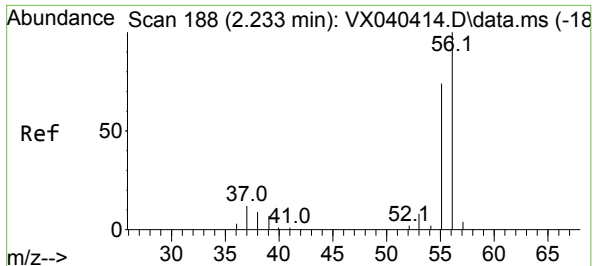
Tgt Ion:168 Resp: 68585
Ion Ratio Lower Upper
168 100
99 63.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.333 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 1.173 ug/l

RT: 2.239 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040427.D

Acq: 23 Feb 2024 13:28

Instrument :

MSVOA_X

ClientSampleId :

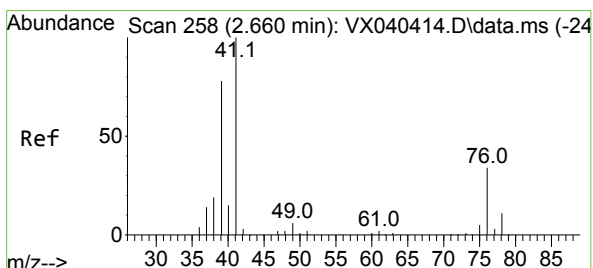
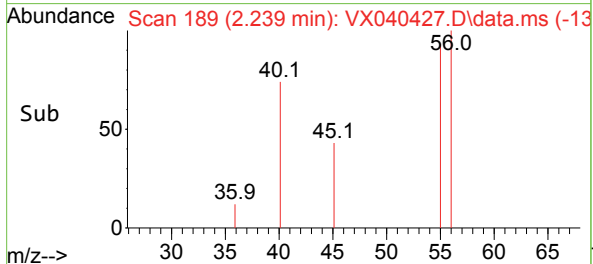
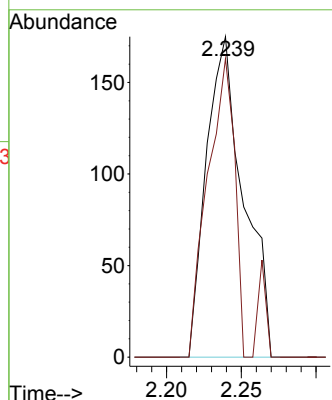
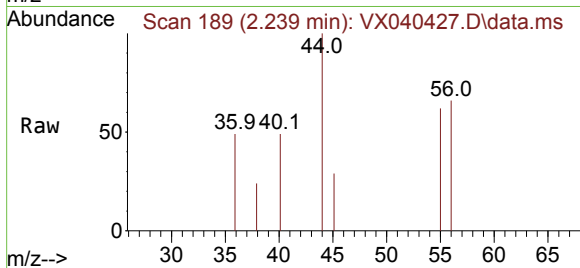
20241104-AMENDED-COMPOSITE-35N-N-4-03RE

Tgt Ion: 56 Resp: 303

Ion Ratio Lower Upper

56 100

55 67.3 57.1 85.7



#14

Allyl chloride

Concen: 0.234 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.012 min

Lab File: VX040427.D

Acq: 23 Feb 2024 13:28

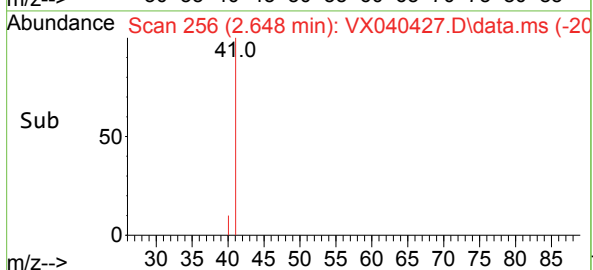
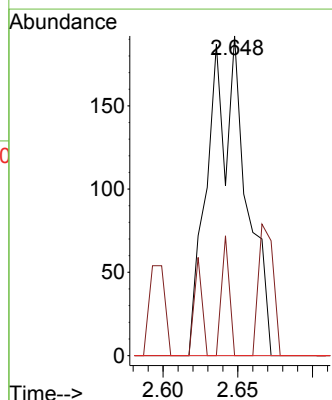
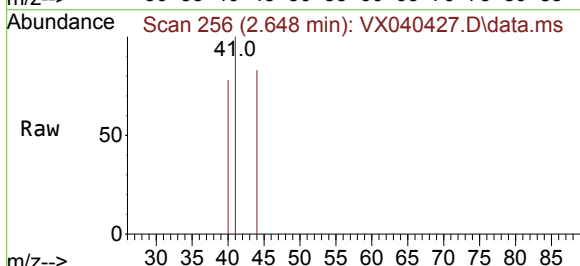
Tgt Ion: 41 Resp: 327

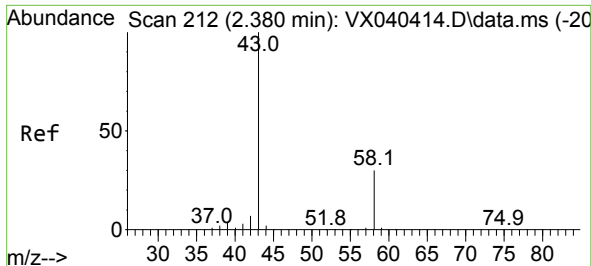
Ion Ratio Lower Upper

41 100

39 8.0 55.8 83.6#

76 0.0 24.3 36.5#

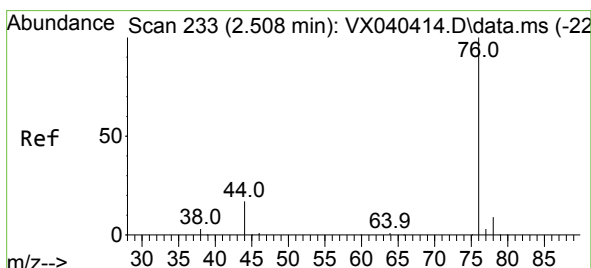
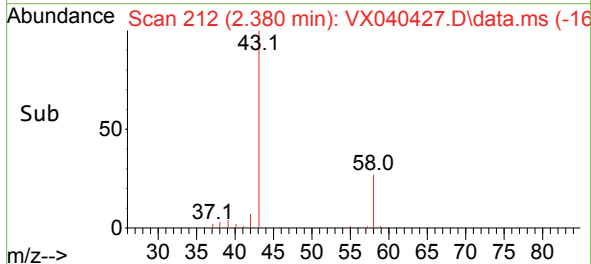
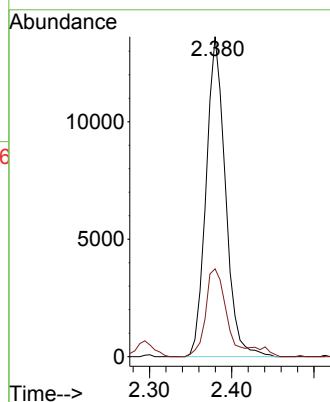
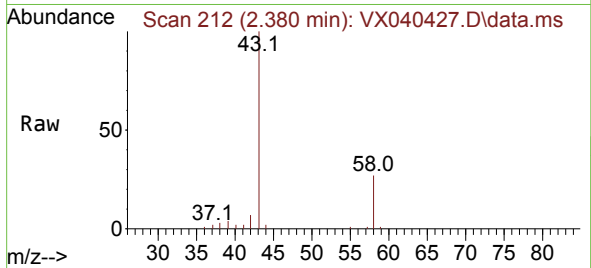




#16
Acetone
Concen: 47.816 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

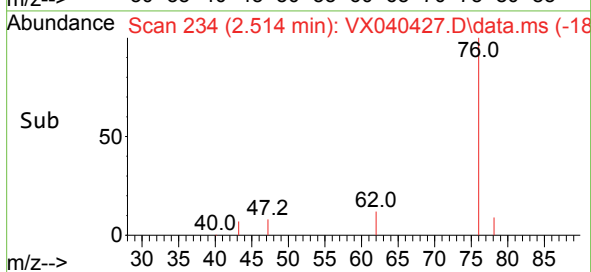
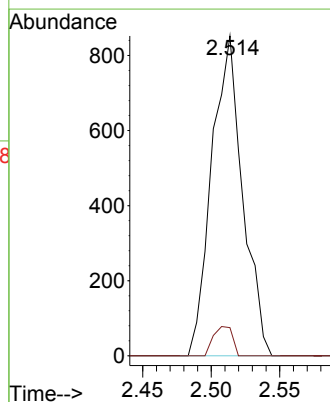
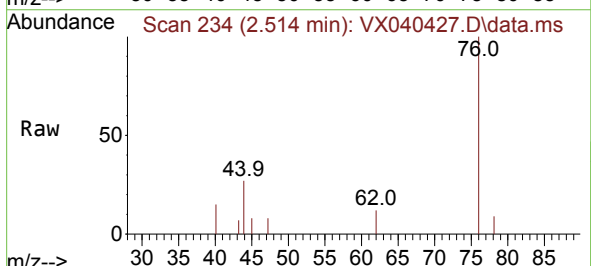
Instrument : MSVOA_X
ClientSampleId : 20241104-AMENDED-COMPOSITE-35N-N-4-03RE

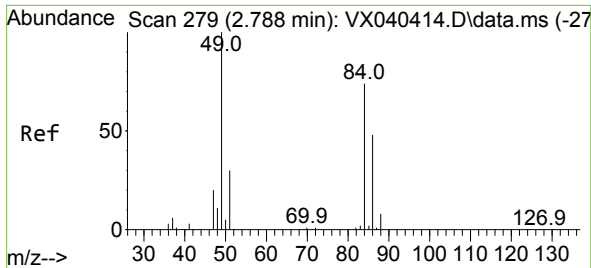
Tgt Ion: 43 Resp: 22254
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9



#17
Carbon Disulfide
Concen: 0.642 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Tgt Ion: 76 Resp: 1338
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

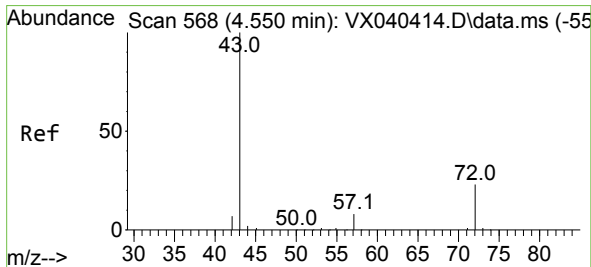
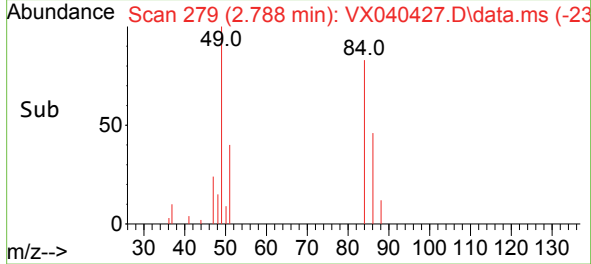
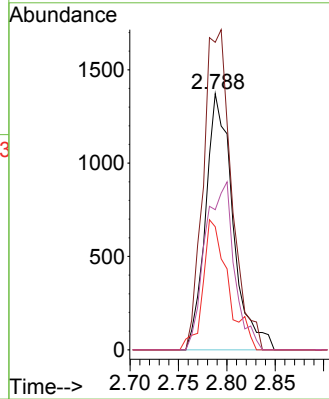
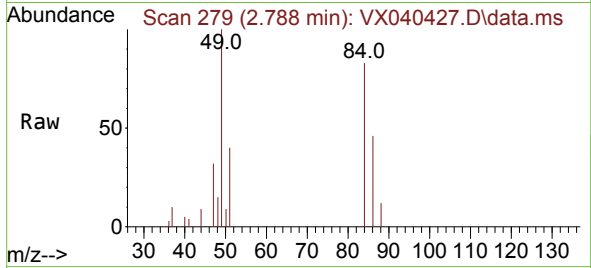




#20
Methylene Chloride
Concen: 2.766 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

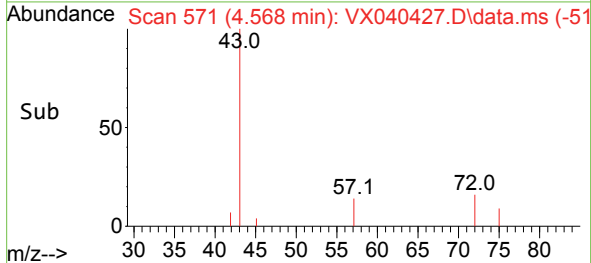
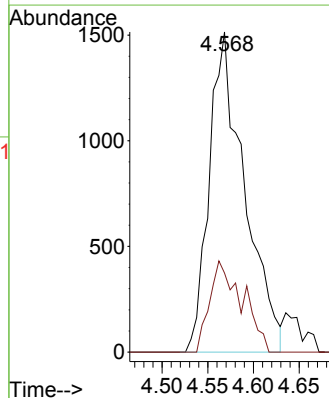
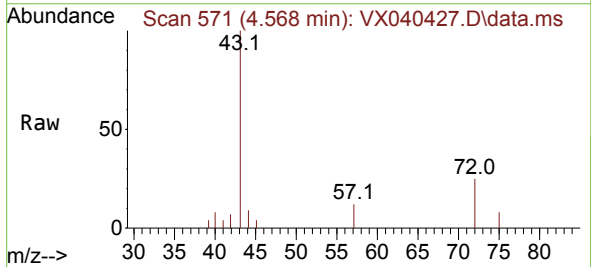
Instrument :
MSVOA_X
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03RE

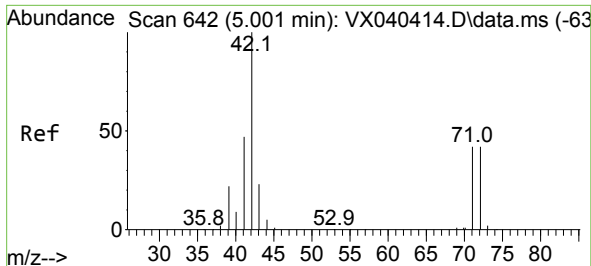
Tgt Ion: 84	Resp: 2695
Ion Ratio	Lower Upper
84 100	
49 120.0	103.6 155.4
51 48.0	33.8 50.6
86 54.7	49.4 74.0



#25
2-Butanone
Concen: 5.595 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Tgt Ion: 43	Resp: 4060		
Ion Ratio	Lower	Upper	
43 100			
72 24.7	19.4	29.2	





#29

Tetrahydrofuran

Concen: 3.174 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX040427.D

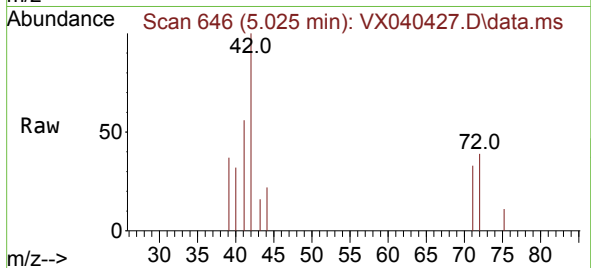
Acq: 23 Feb 2024 13:28

Instrument :

MSVOA_X

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03RE



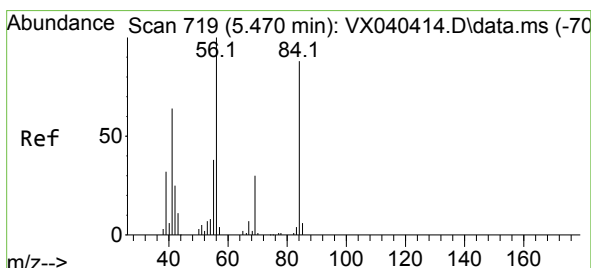
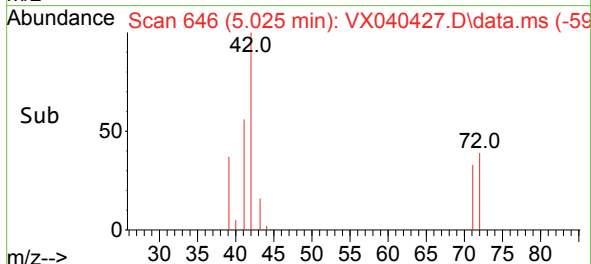
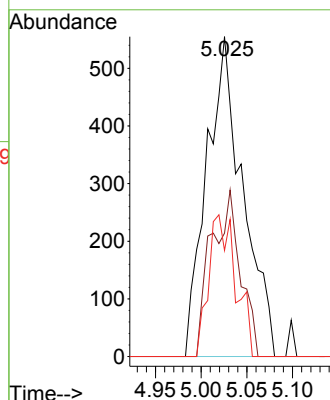
Tgt Ion: 42 Resp: 1533

Ion Ratio Lower Upper

42 100

72 41.6 34.2 51.4

71 33.1 32.2 48.2



#31

Cyclohexane

Concen: 1.461 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040427.D

Acq: 23 Feb 2024 13:28

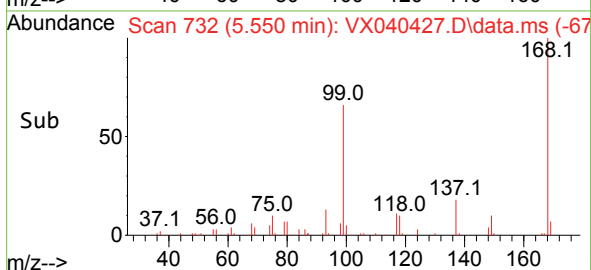
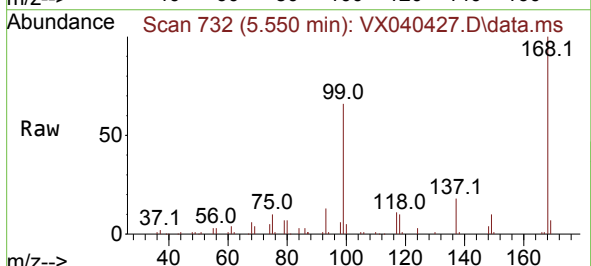
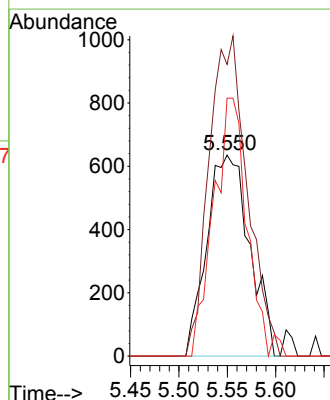
Tgt Ion: 56 Resp: 1957

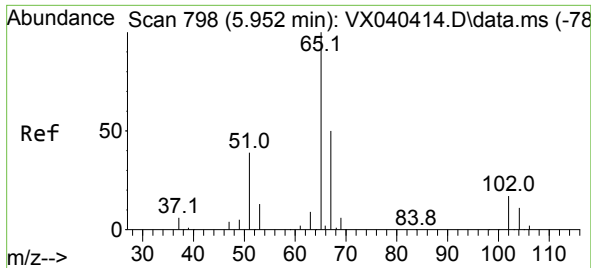
Ion Ratio Lower Upper

56 100

69 145.2 23.4 35.2#

84 128.3 65.9 98.9#

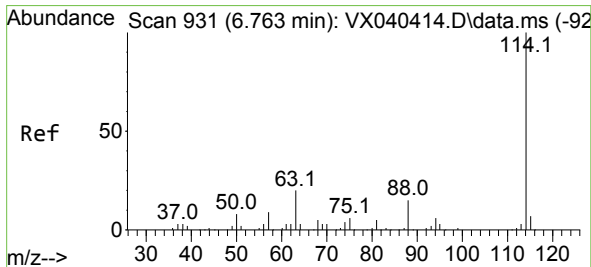
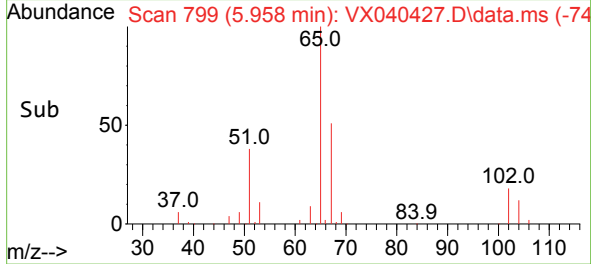
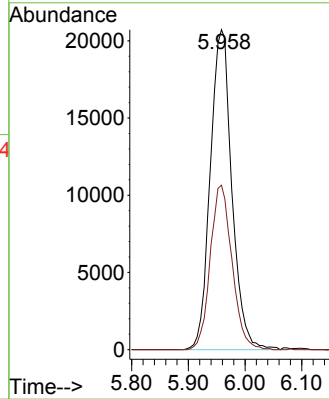
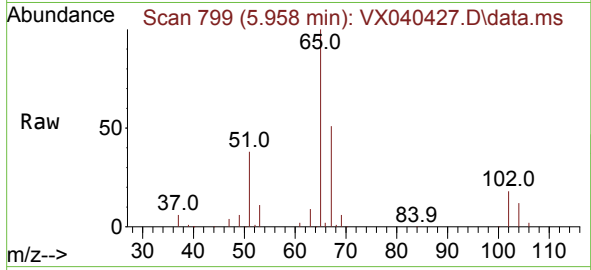




#33
 1,2-Dichloroethane-d4
 Concen: 49.113 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040427.D
 Acq: 23 Feb 2024 13:28

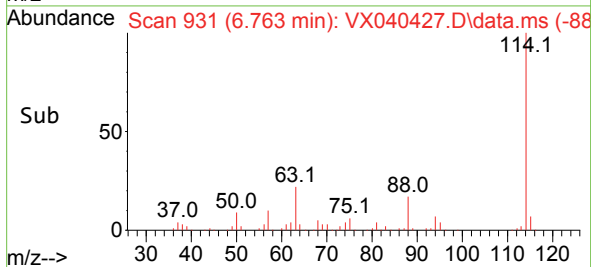
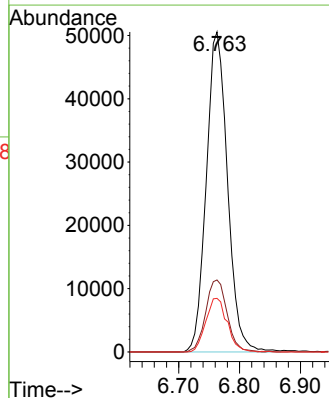
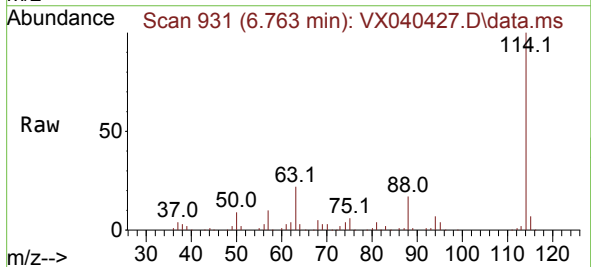
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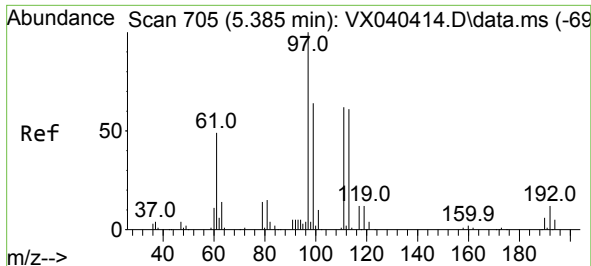
Tgt Ion: 65 Resp: 54858
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040427.D
 Acq: 23 Feb 2024 13:28

Tgt Ion: 114 Resp: 122247
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 16.8 0.0 36.6

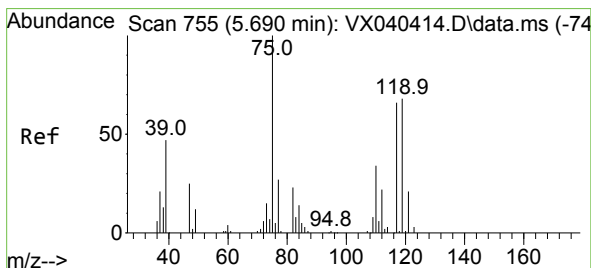
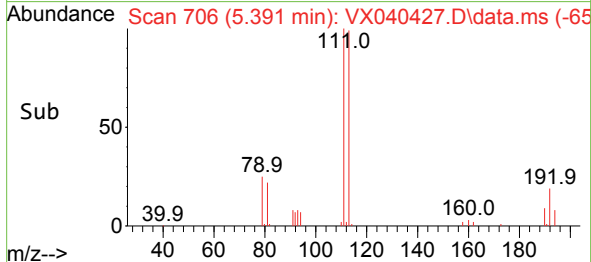
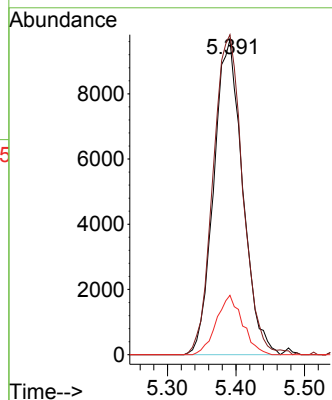
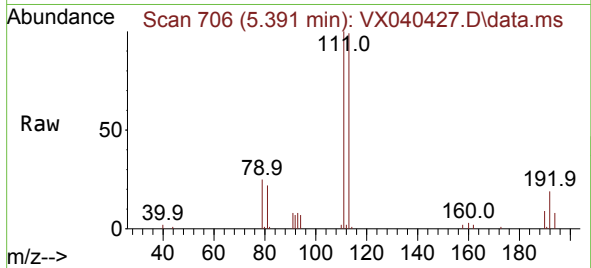




#35
Dibromofluoromethane
Concen: 34.290 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

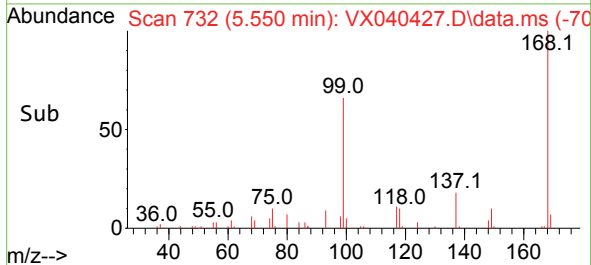
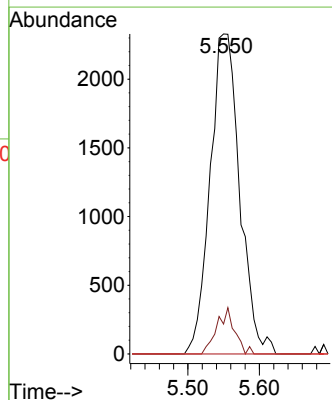
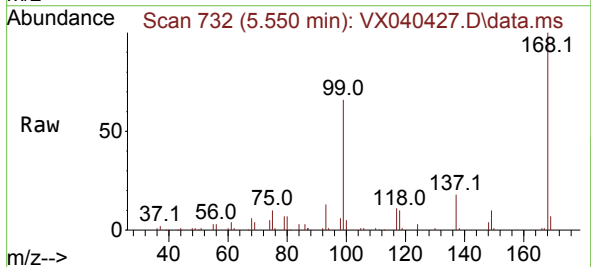
Instrument :
MSVOA_X
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03RE

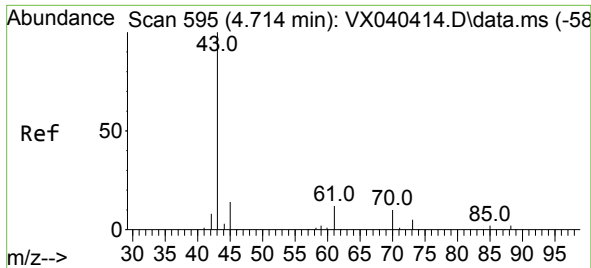
Tgt Ion:113 Resp: 28248
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 17.1 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.264 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Tgt Ion: 75 Resp: 6711
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.787 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX040427.D

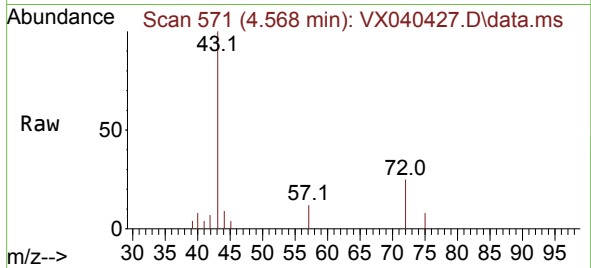
Acq: 23 Feb 2024 13:28

Instrument :

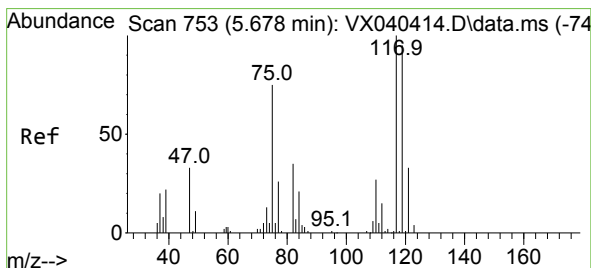
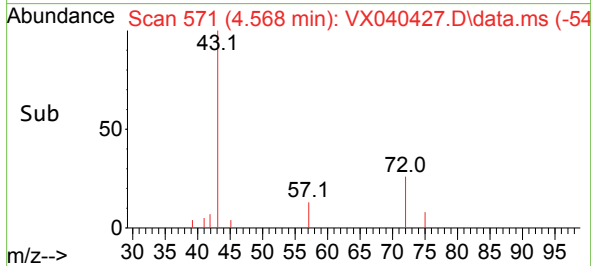
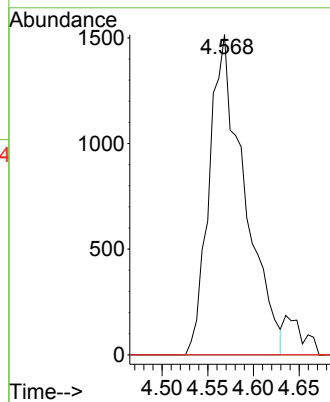
MSVOA_X

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03RE



Tgt Ion:	43	Resp:	4060
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.774 ug/l

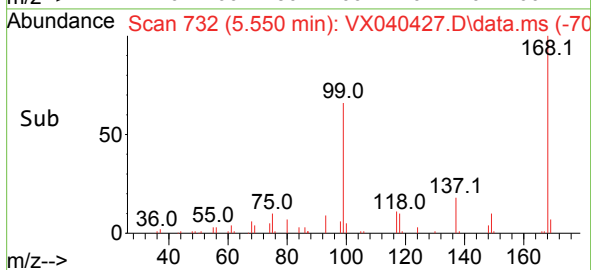
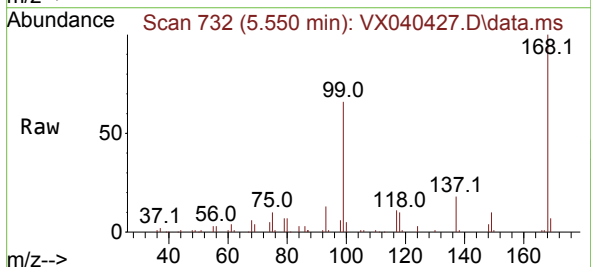
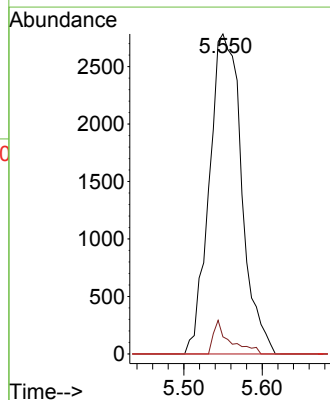
RT: 5.550 min Scan# 732

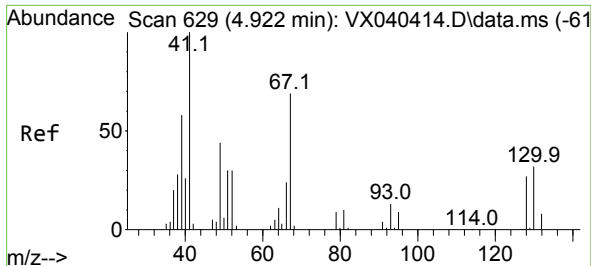
Delta R.T. -0.128 min

Lab File: VX040427.D

Acq: 23 Feb 2024 13:28

Tgt Ion:	117	Resp:	7990
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.2	117.2#
121	0.0	24.4	36.6#

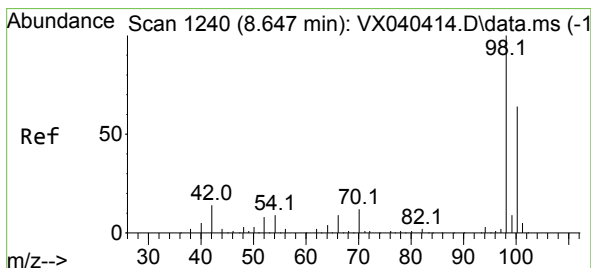
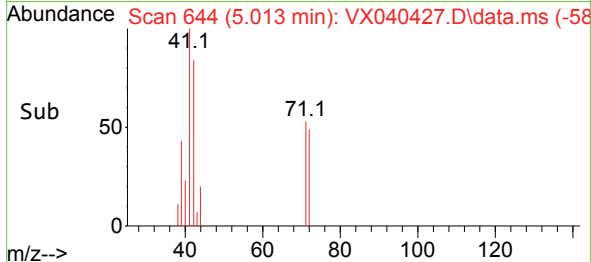
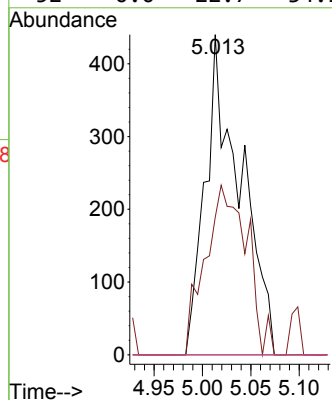
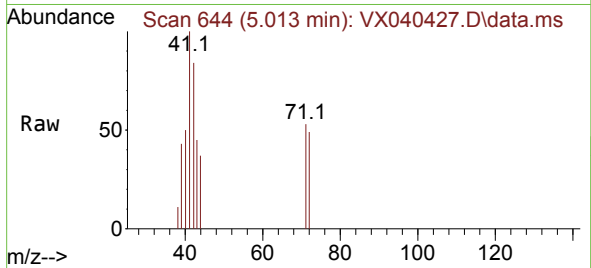




#41
Methacrylonitrile
Concen: 1.430 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.091 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

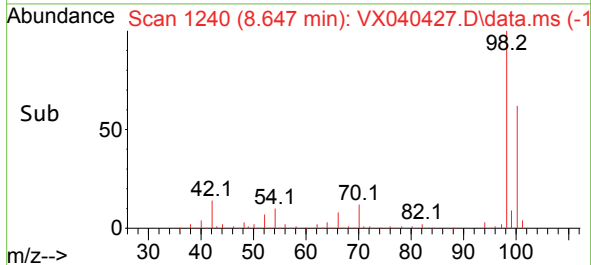
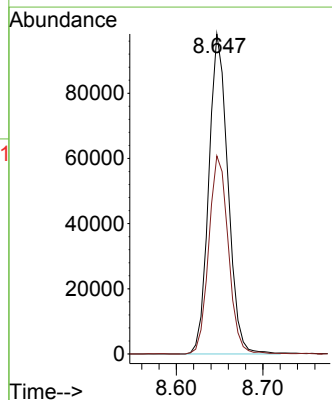
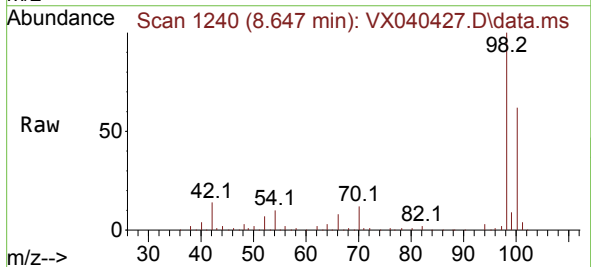
Instrument :
MSVOA_X
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03RE

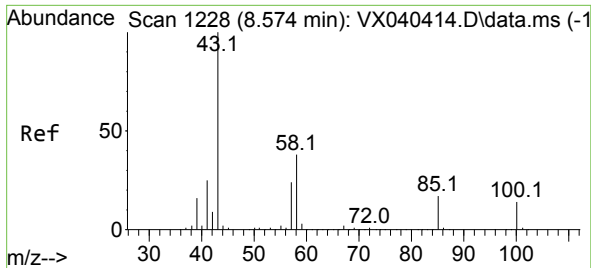
Tgt Ion: 41 Resp: 1106
Ion Ratio Lower Upper
41 100
39 63.3 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#50
Toluene-d8
Concen: 50.647 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Tgt Ion: 98 Resp: 150708
Ion Ratio Lower Upper
98 100
100 63.2 53.1 79.7

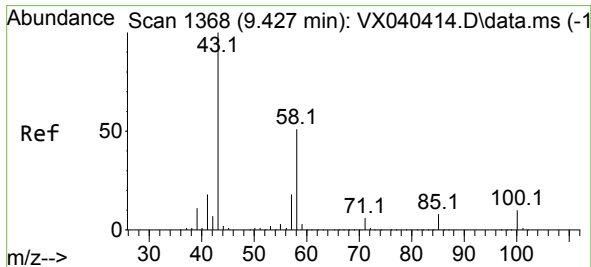
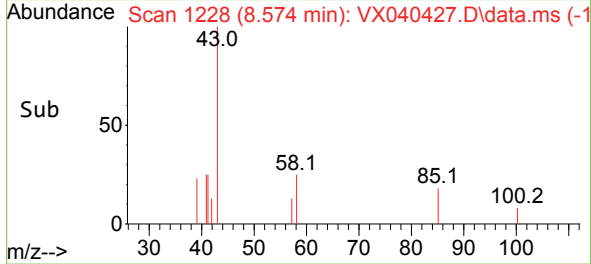
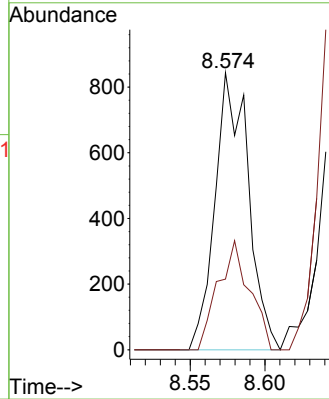
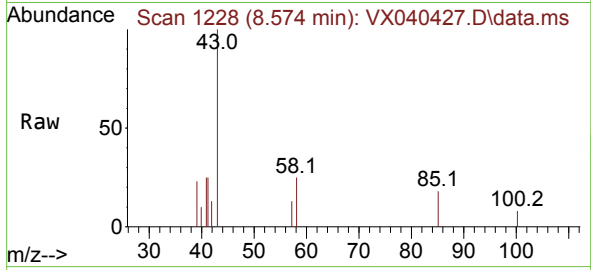




#51
4-Methyl-2-Pentanone
Concen: 0.858 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

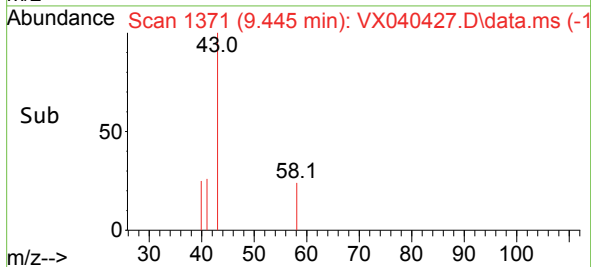
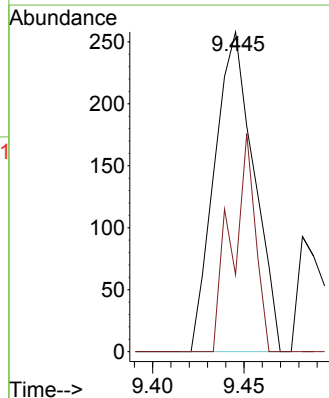
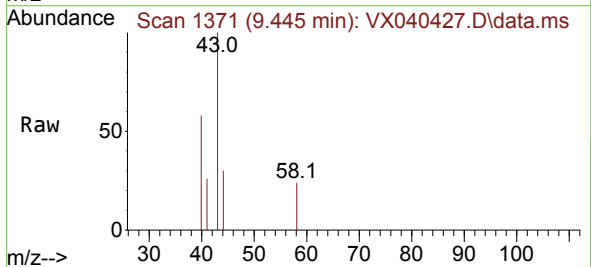
Instrument :
MSVOA_X
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03RE

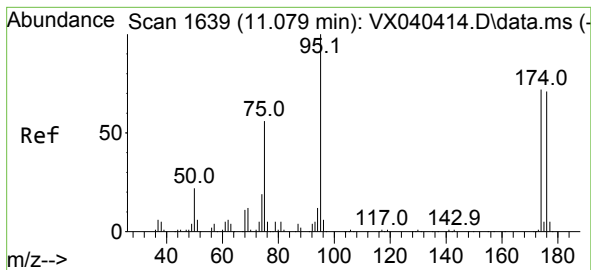
Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
58 37.2 30.4 45.6



#59
2-Hexanone
Concen: 0.331 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Tgt Ion: 43 Resp: 388
Ion Ratio Lower Upper
43 100
58 40.5 26.2 78.5

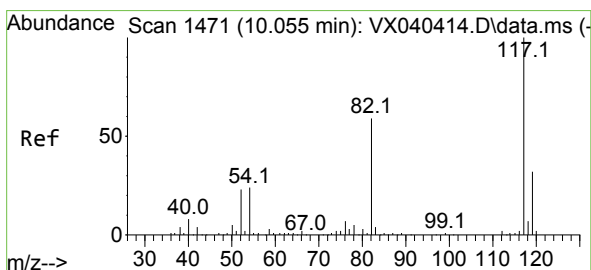
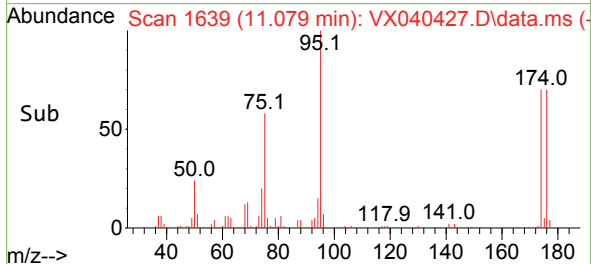
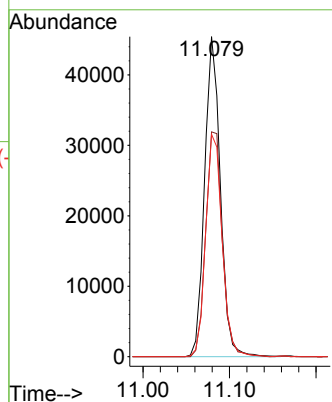
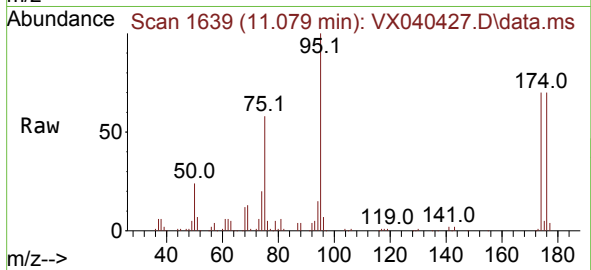




#62
4-Bromofluorobenzene
Concen: 48.170 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

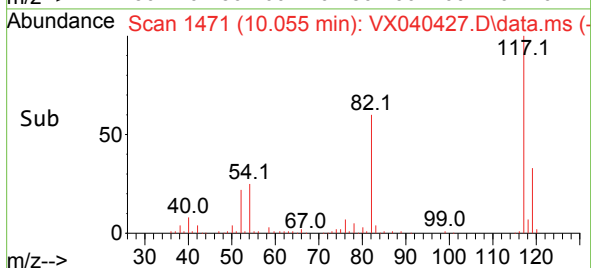
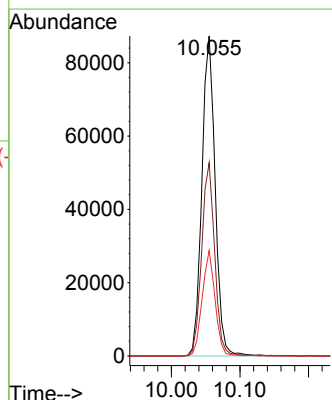
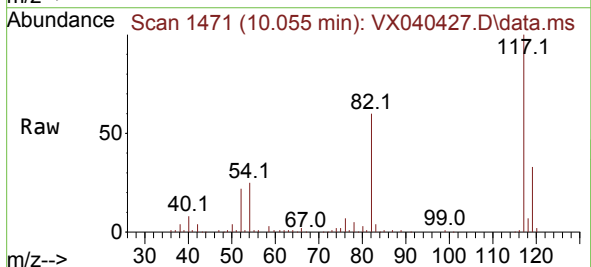
Instrument :
MSVOA_X
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03RE

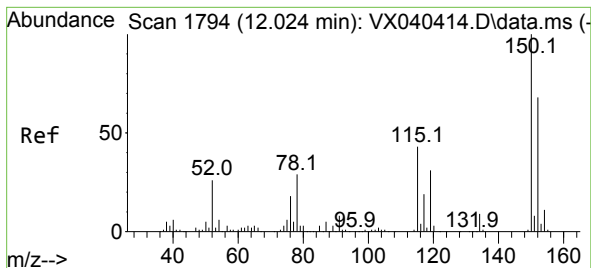
Tgt Ion: 95 Resp: 57437
Ion Ratio Lower Upper
95 100
174 74.1 0.0 135.6
176 72.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Tgt Ion: 117 Resp: 118124
Ion Ratio Lower Upper
117 100
82 60.4 46.2 69.4
119 32.9 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX040427.D

Acq: 23 Feb 2024 13:28

Instrument :

MSVOA_X

ClientSampleId :

20241104-AMENDED-COMPOSITE-35N-N-4-03RE

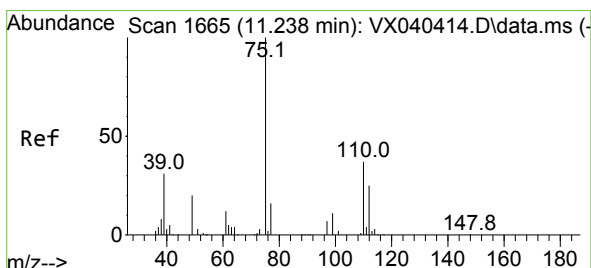
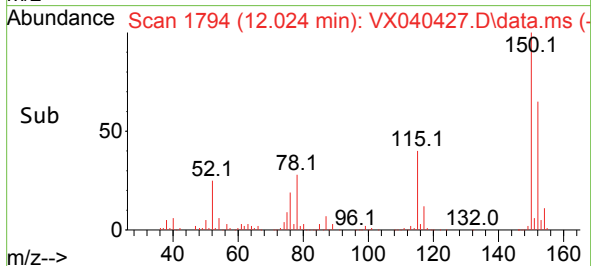
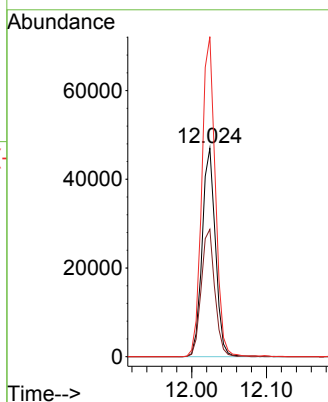
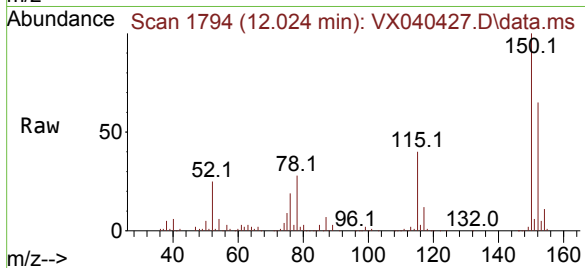
Tgt Ion:152 Resp: 58051

Ion Ratio Lower Upper

152 100

115 62.6 43.3 129.9

150 156.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.741 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040427.D

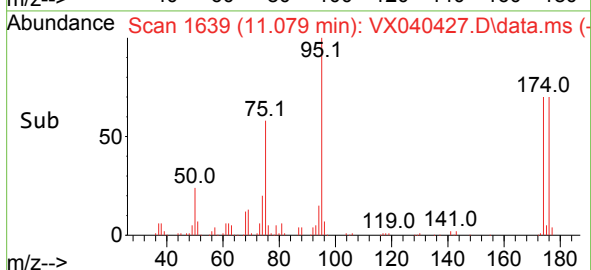
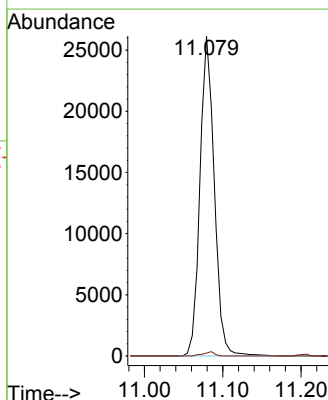
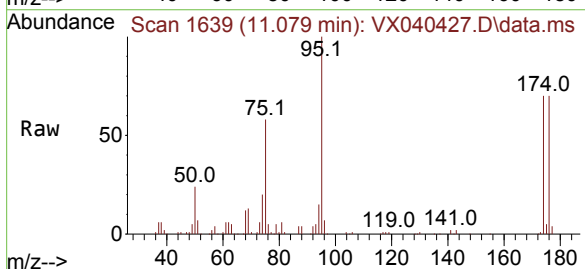
Acq: 23 Feb 2024 13:28

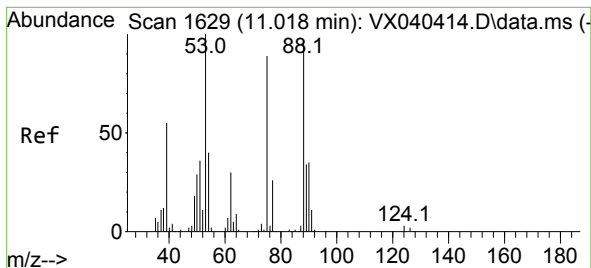
Tgt Ion: 75 Resp: 33227

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

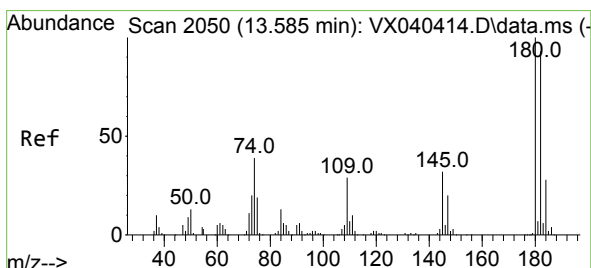
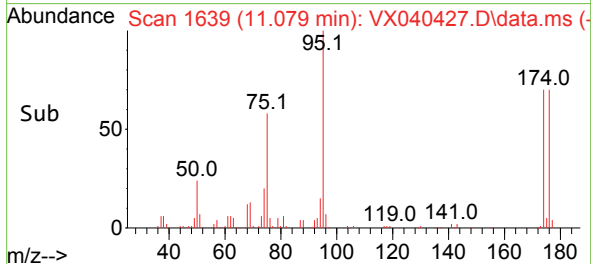
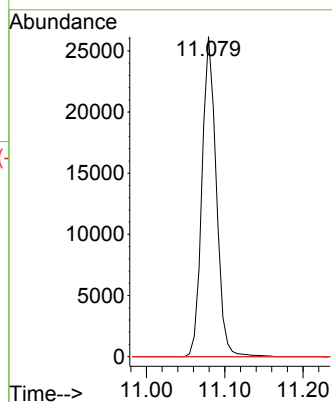
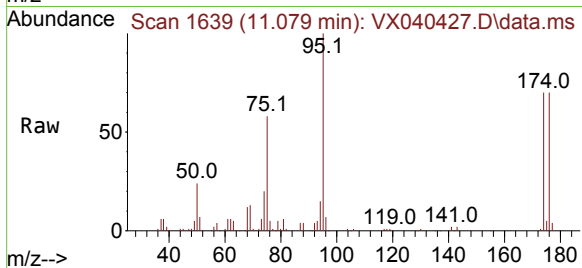




#81
trans-1,4-Dichloro-2-butene
Concen: 89.567 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

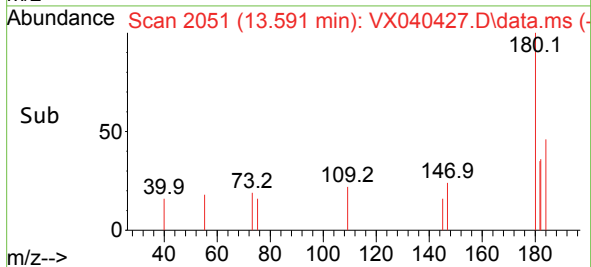
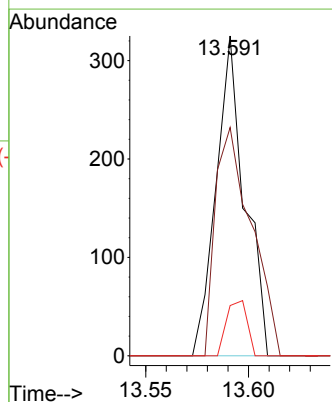
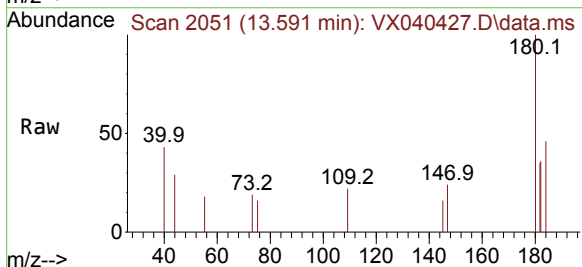
Instrument : MSVOA_X
ClientSampleId : 20241104-AMENDED-COMPOSITE-35N-N-4-03RE

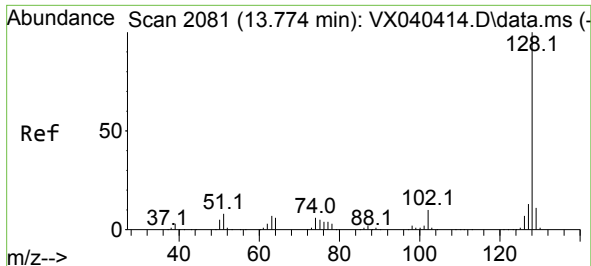
Tgt Ion: 75 Resp: 33227
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.264 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

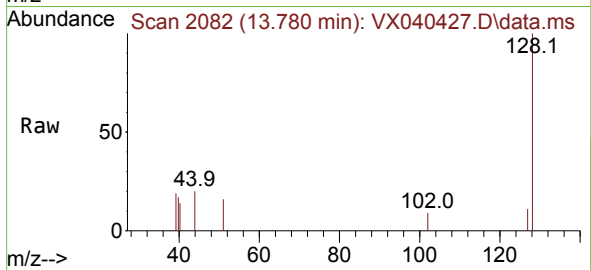
Tgt Ion:180 Resp: 315
Ion Ratio Lower Upper
180 100
182 89.5 48.3 144.8
145 12.4 18.0 54.0#





#95
Naphthalene
Concen: 0.218 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040427.D
Acq: 23 Feb 2024 13:28

Instrument :
MSVOA_X
ClientSampleId :
20241104-AMENDED-COMPOSITE-35N-N-4-03RE



Tgt Ion:	128	Resp:	836
Ion	Ratio	Lower	Upper
128	100		
127	5.4	10.3	15.5#
129	0.0	8.8	13.2#

