

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040426.D
 Acq On : 23 Feb 2024 13:05
 Operator : JC/MD
 Sample : P1539-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

Quant Time: Feb 23 22:17:37 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)

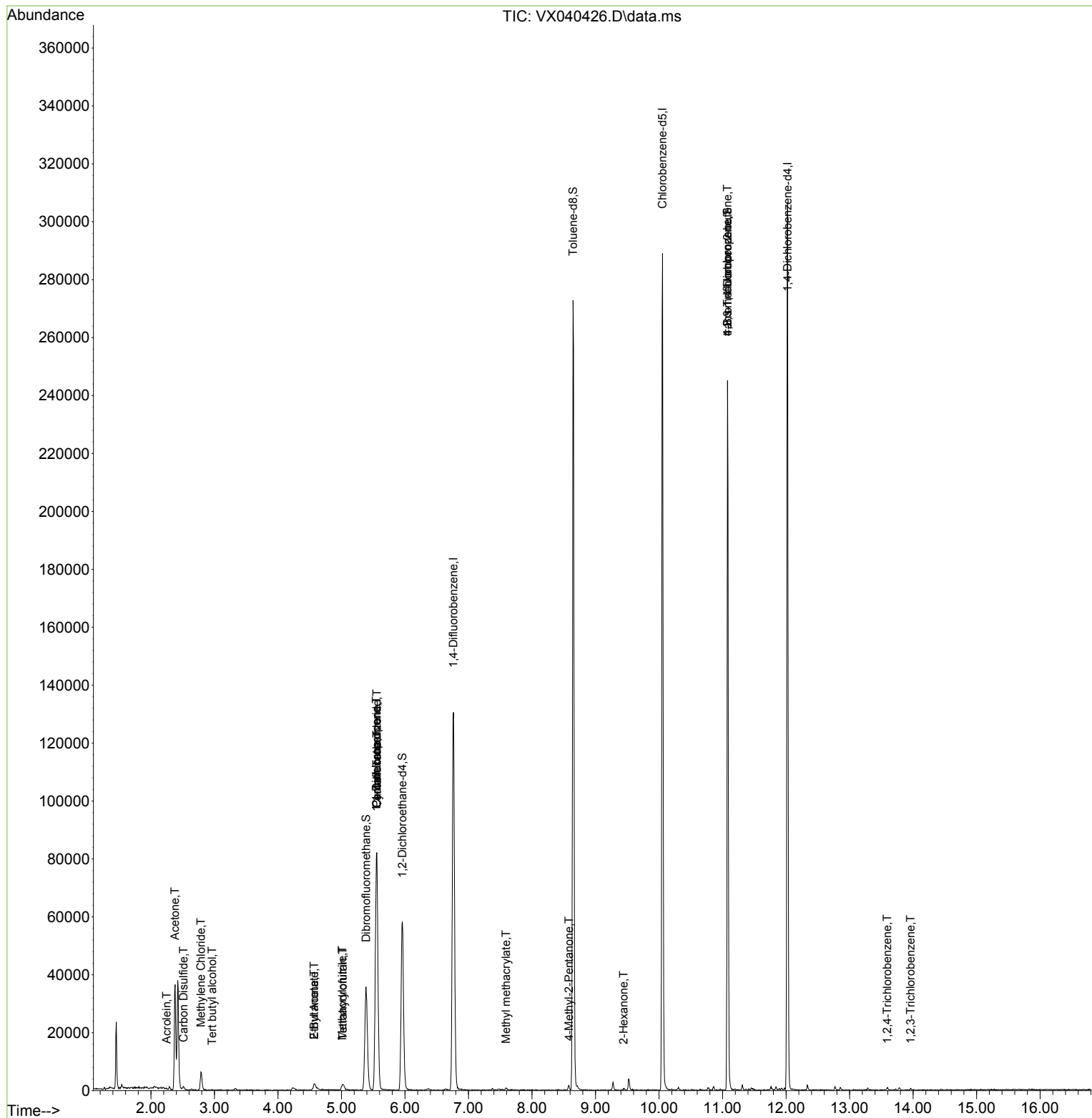
Internal Standards						
1) Pentafluorobenzene	5.556	168	72918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	128216	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59110	49.776	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.560%
35) Dibromofluoromethane	5.385	113	29555	34.207	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	68.420%#
50) Toluene-d8	8.646	98	157934	50.605	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.200%
62) 4-Bromofluorobenzene	11.079	95	61763	49.387	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	72	0.314	ug/l #	78
13) Acrolein	2.245	56	227	0.827	ug/l	95
16) Acetone	2.379	43	38156	77.113	ug/l	93
17) Carbon Disulfide	2.513	76	1261	0.569	ug/l #	76
20) Methylene Chloride	2.788	84	2758	2.662	ug/l	87
25) 2-Butanone	4.568	43	3938	5.105	ug/l #	85
29) Tetrahydrofuran	5.019	42	1769	3.445	ug/l #	81
31) Cyclohexane	5.556	56	2000	1.405	ug/l #	46
36) 1,1-Dichloropropene	5.549	75	6744	5.044	ug/l #	51
37) Ethyl Acetate	4.568	43	3938	2.578	ug/l #	69
38) Carbon Tetrachloride	5.556	117	8037	6.496	ug/l #	15
41) Methacrylonitrile	5.013	41	1216	1.499	ug/l #	25
48) Methyl methacrylate	7.592	41	305	0.263	ug/l #	27
51) 4-Methyl-2-Pentanone	8.579	43	1005	0.631	ug/l	91
59) 2-Hexanone	9.439	43	539	0.439	ug/l	72
76) 1,2,3-Trichloropropane	11.079	75	34897	25.893	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	34897	90.097	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	296	0.237	ug/l #	77
96) 1,2,3-Trichlorobenzene	13.963	180	288	0.240	ug/l #	73

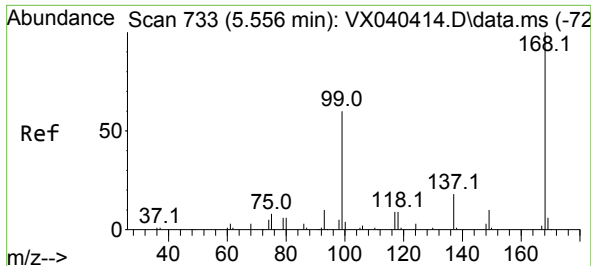
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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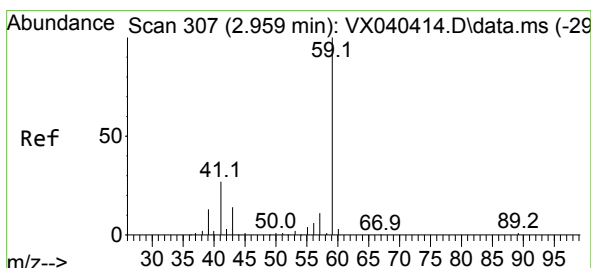
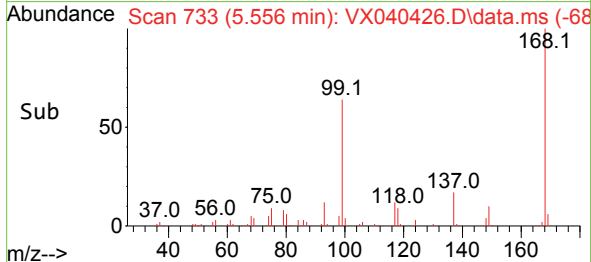
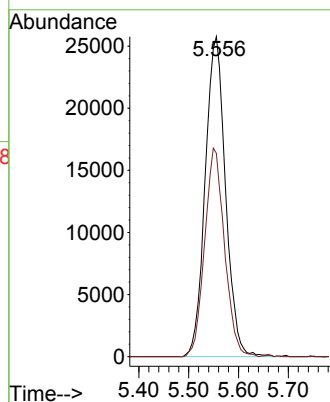
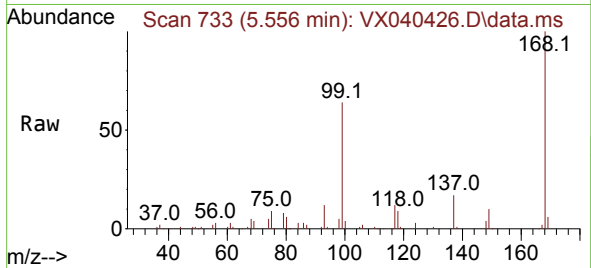




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

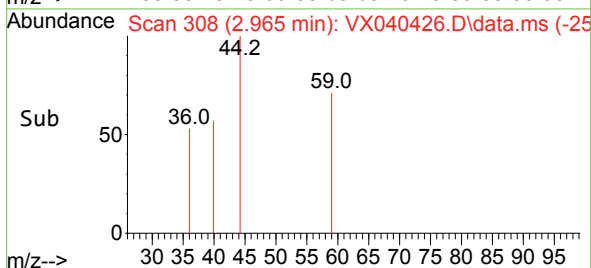
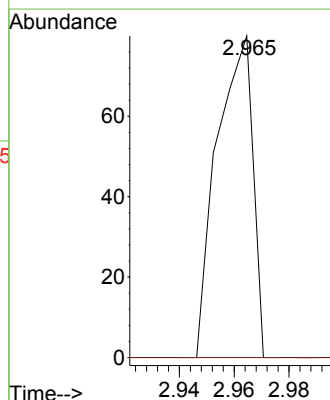
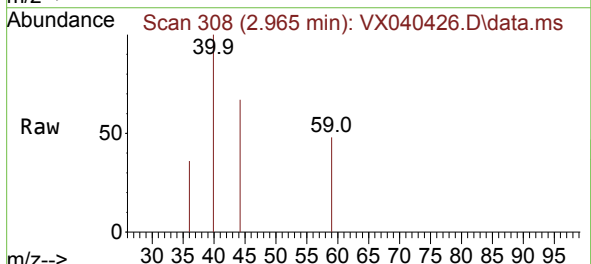
Instrument :
MSVOA_X
ClientSampleId :
20241103-AMENDED-COMPOSITE-35N-N-4-02RE

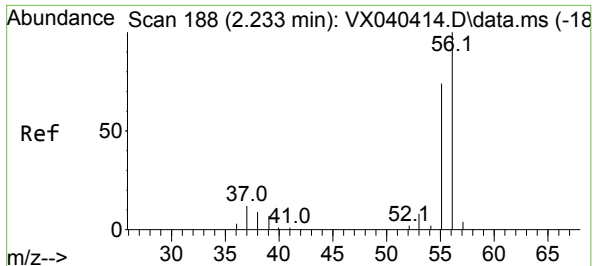
Tgt Ion:168 Resp: 72918
Ion Ratio Lower Upper
168 100
99 63.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.314 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

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

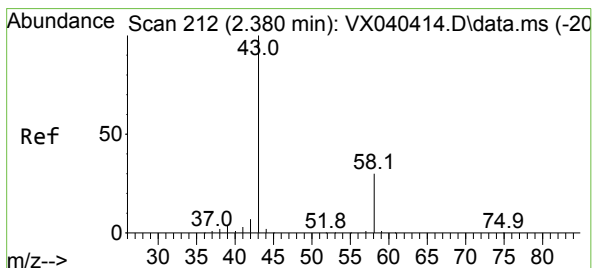
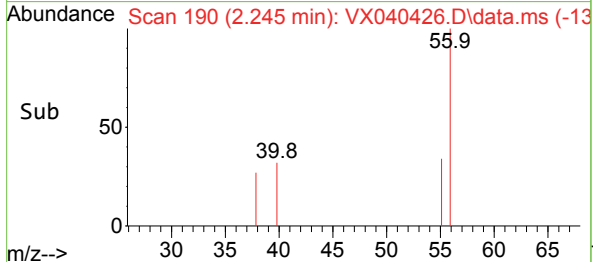
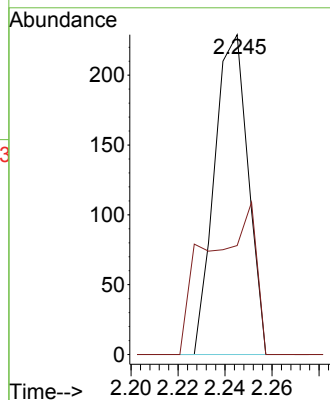
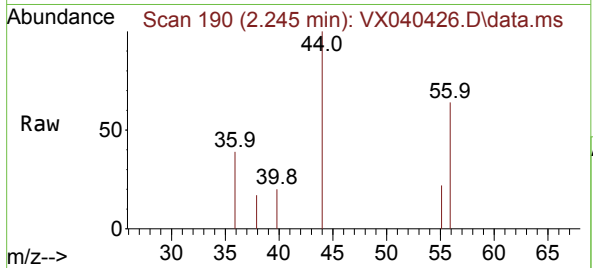




#13
Acrolein
Concen: 0.827 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

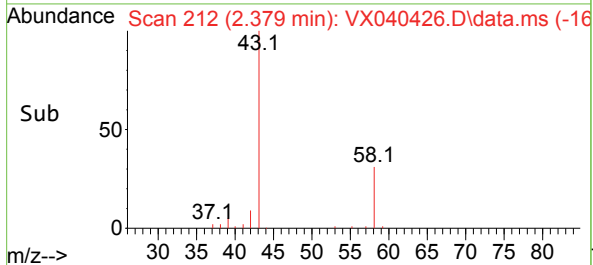
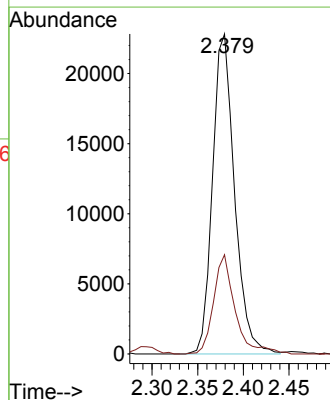
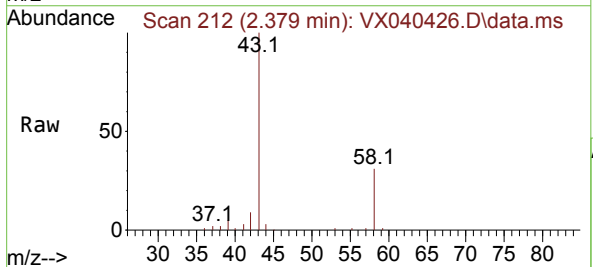
Instrument : MSVOA_X
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

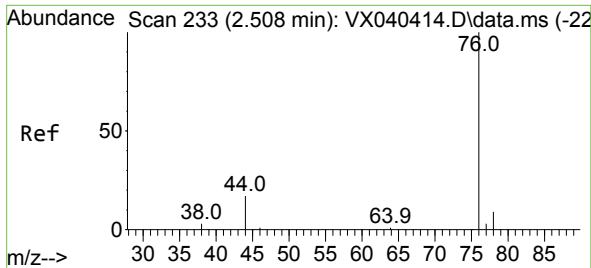
Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 67.0 57.1 85.7



#16
Acetone
Concen: 77.113 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Tgt Ion: 43 Resp: 38156
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9





#17

Carbon Disulfide

Concen: 0.569 ug/l

RT: 2.513 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040426.D

Acq: 23 Feb 2024 13:05

Instrument :

MSVOA_X

ClientSampleId :

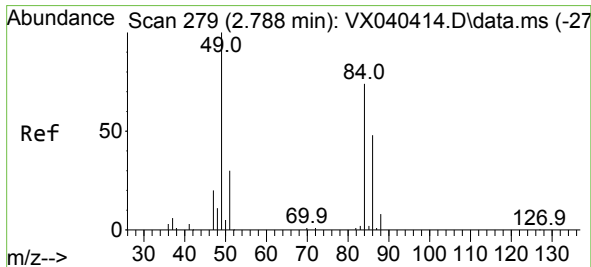
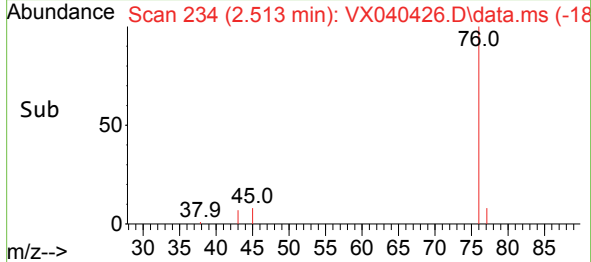
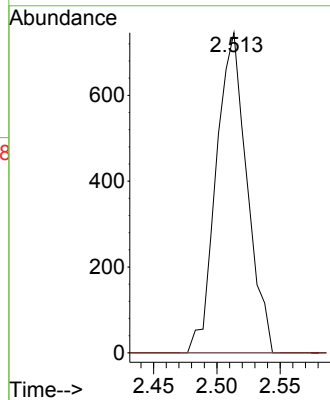
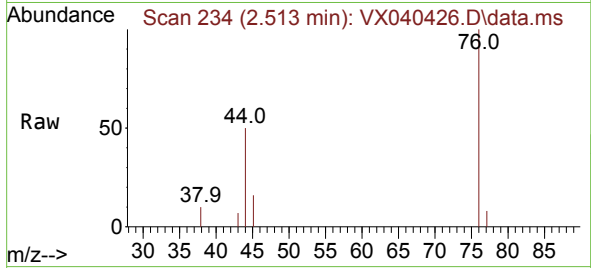
20241103-AMENDED-COMPOSITE-35N-N-4-02RE

Tgt Ion: 76 Resp: 1261

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 2.662 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX040426.D

Acq: 23 Feb 2024 13:05

Tgt Ion: 84 Resp: 2758

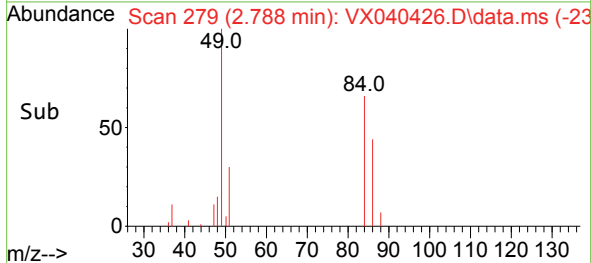
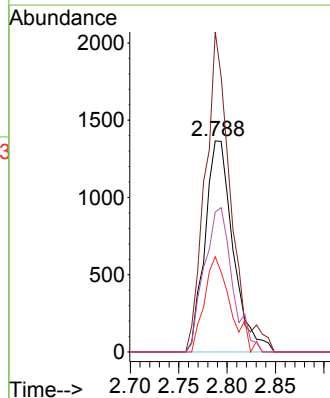
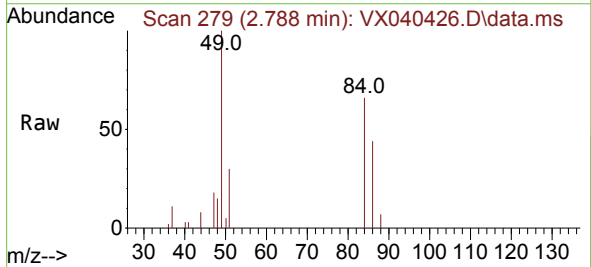
Ion Ratio Lower Upper

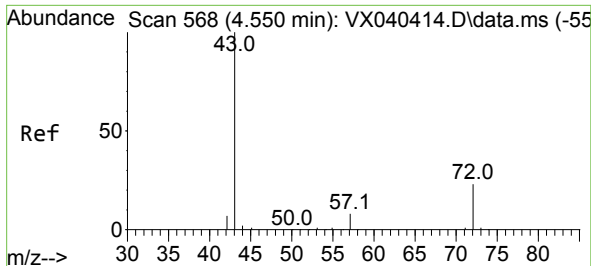
84 100

49 151.6 103.6 155.4

51 45.1 33.8 50.6

86 66.3 49.4 74.0





#25

2-Butanone

Concen: 5.105 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX040426.D

Acq: 23 Feb 2024 13:05

Instrument :

MSVOA_X

ClientSampleId :

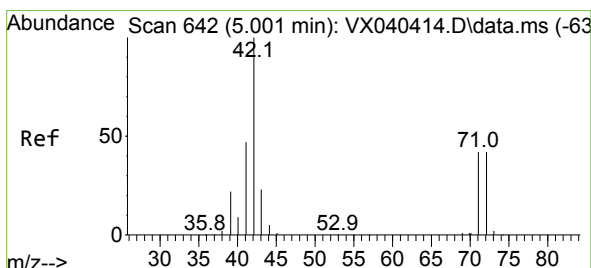
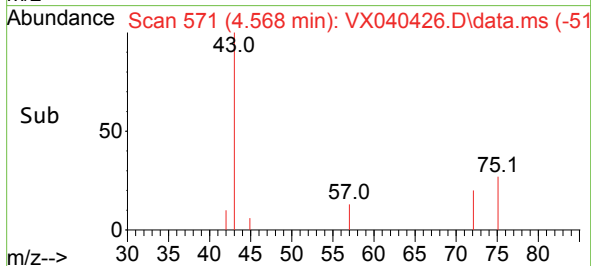
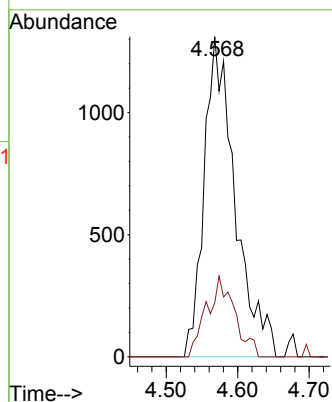
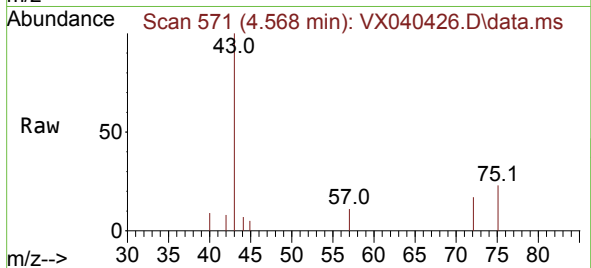
20241103-AMENDED-COMPOSITE-35N-N-4-02RE

Tgt Ion: 43 Resp: 3938

Ion Ratio Lower Upper

43 100

72 16.9 19.4 29.2#



#29

Tetrahydrofuran

Concen: 3.445 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.018 min

Lab File: VX040426.D

Acq: 23 Feb 2024 13:05

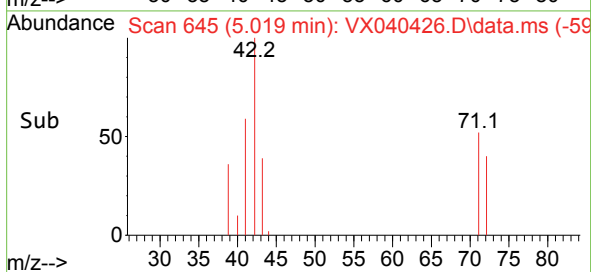
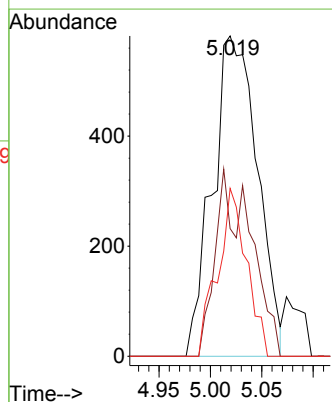
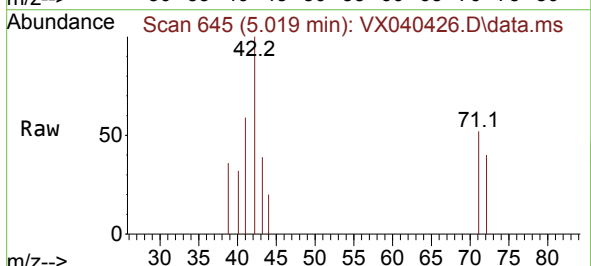
Tgt Ion: 42 Resp: 1769

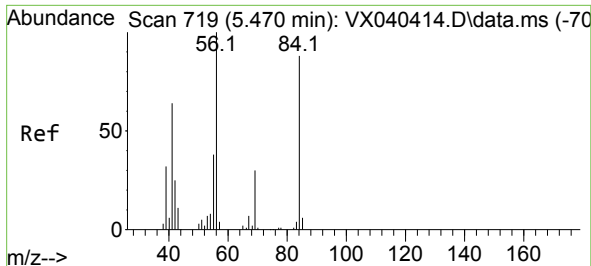
Ion Ratio Lower Upper

42 100

72 24.9 34.2 51.4#

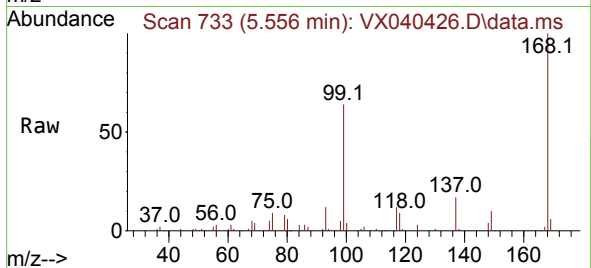
71 33.7 32.2 48.2



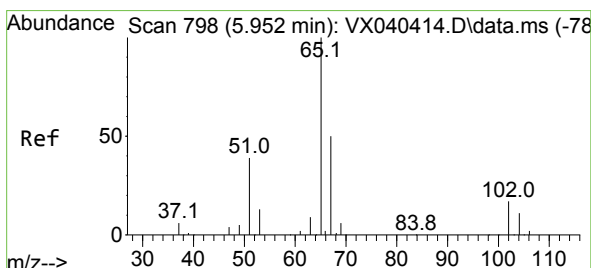
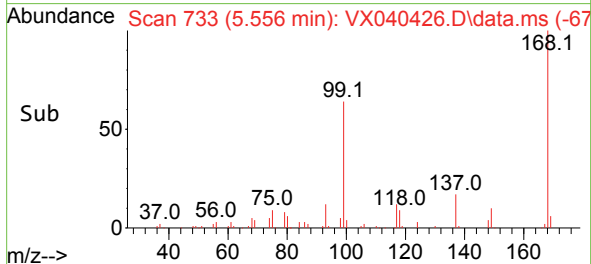
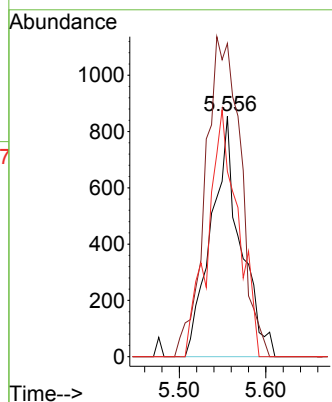


#31
Cyclohexane
Concen: 1.405 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Instrument : MSVOA_X
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

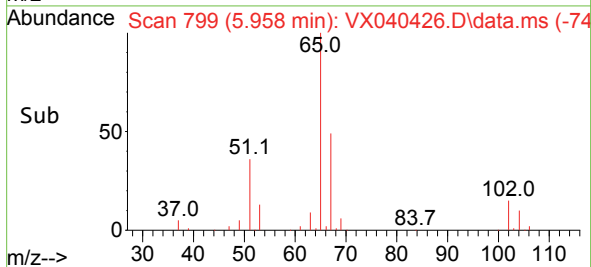
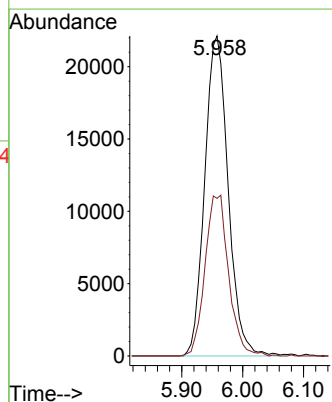
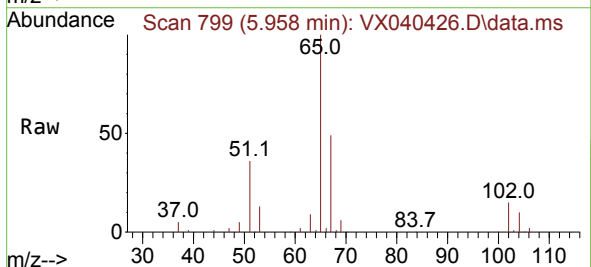


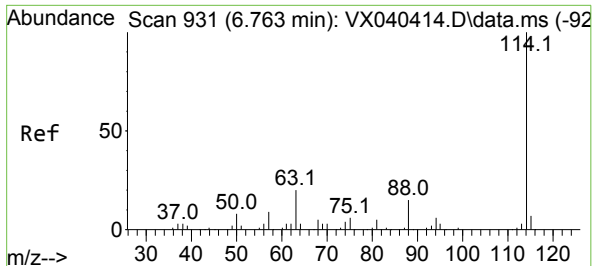
Tgt Ion: 56 Resp: 2000
Ion Ratio Lower Upper
56 100
69 130.3 23.4 35.2#
84 77.0 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 49.776 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Tgt Ion: 65 Resp: 59110
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.2

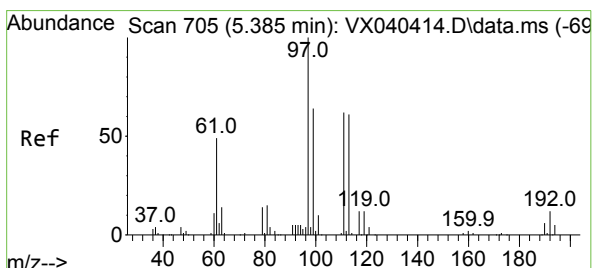
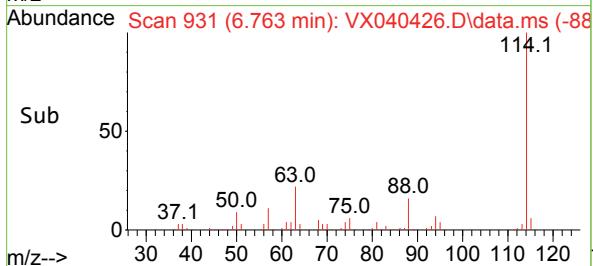
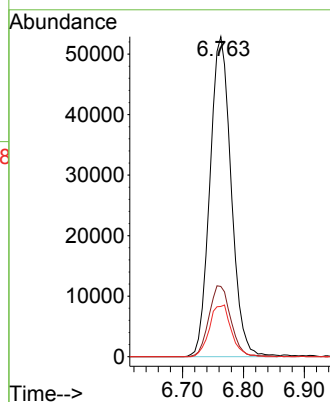
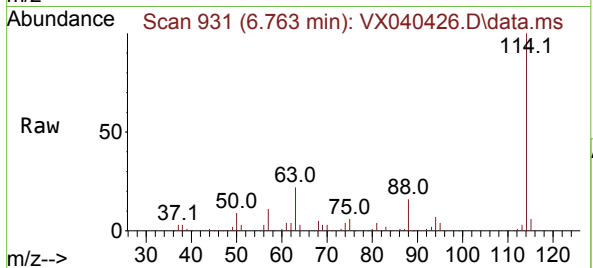




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

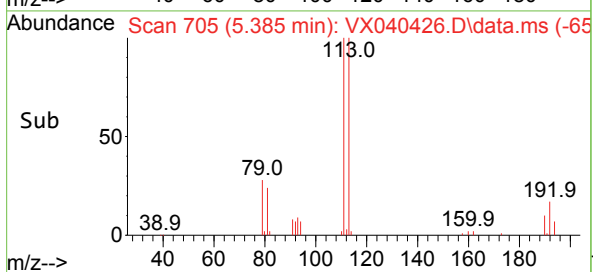
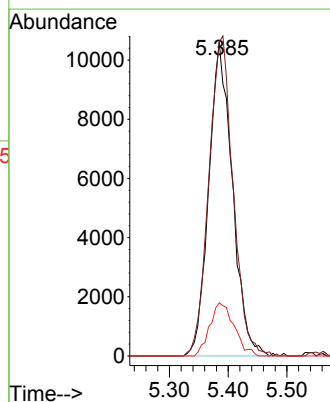
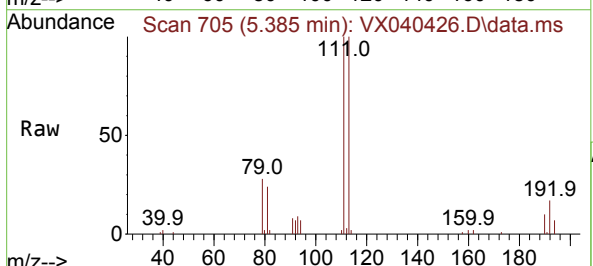
Instrument : MSVOA_X
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

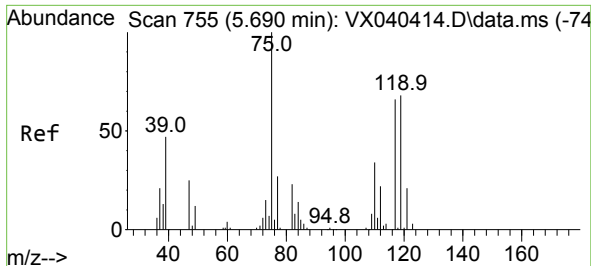
Tgt Ion:114 Resp: 128216
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 34.207 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Tgt Ion:113 Resp: 29555
Ion Ratio Lower Upper
113 100
111 104.8 82.9 124.3
192 17.5 13.3 19.9

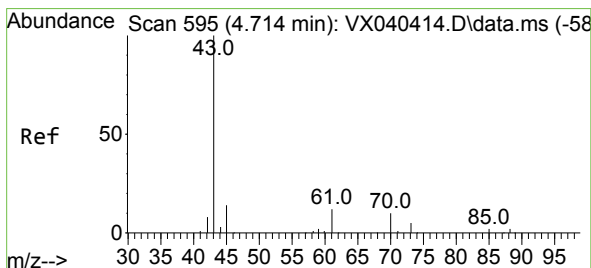
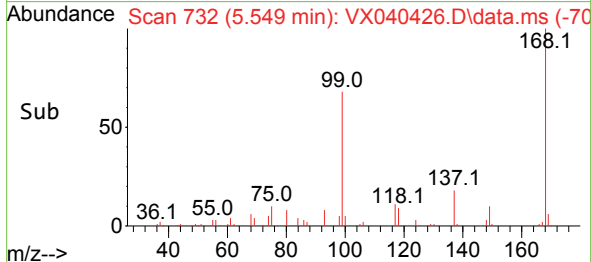
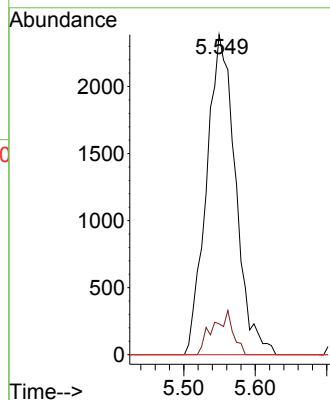
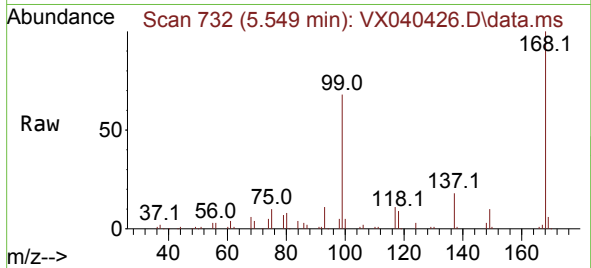




#36
1,1-Dichloropropene
Concen: 5.044 ug/l
RT: 5.549 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

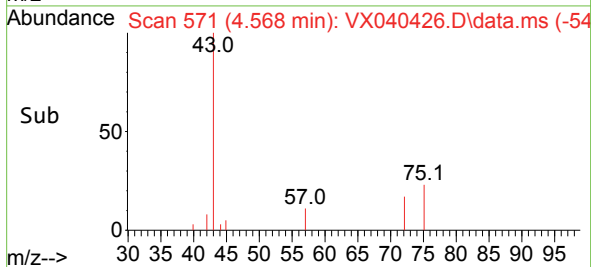
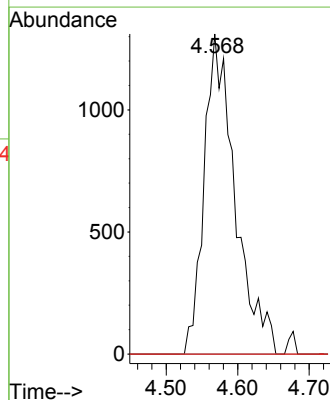
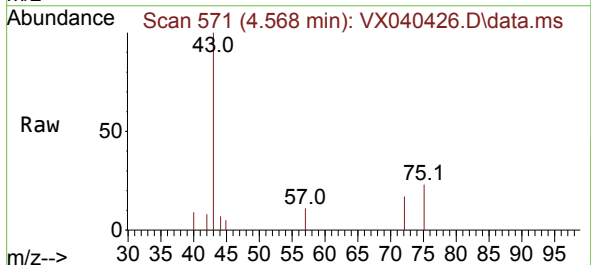
Instrument : MSVOA_X
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

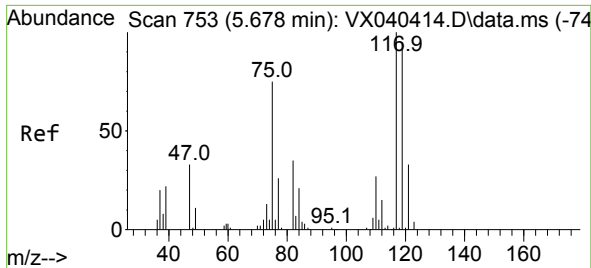
Tgt Ion: 75 Resp: 6744
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.578 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.147 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

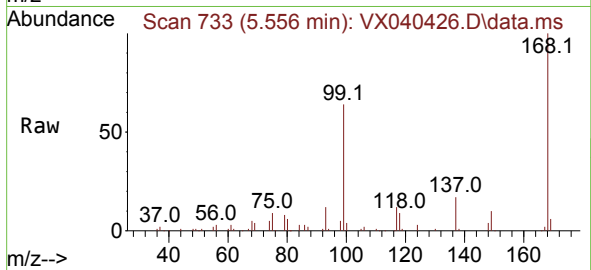
Tgt Ion: 43 Resp: 3938
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



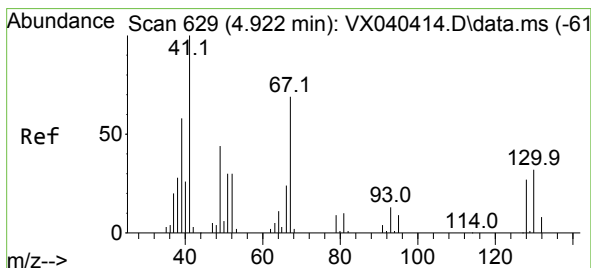
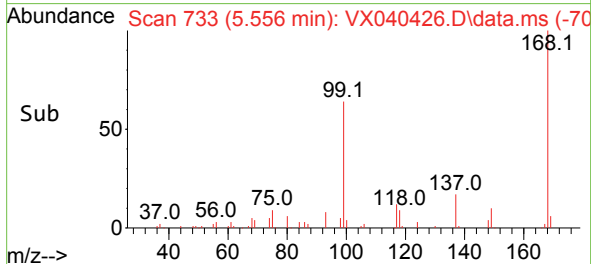
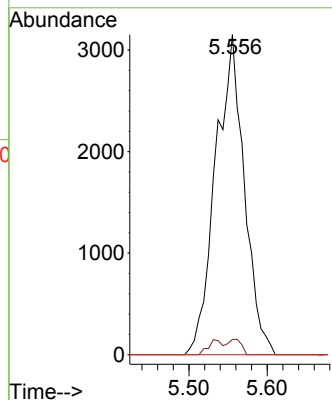


#38
Carbon Tetrachloride
Concen: 6.496 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Instrument : MSVOA_X
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

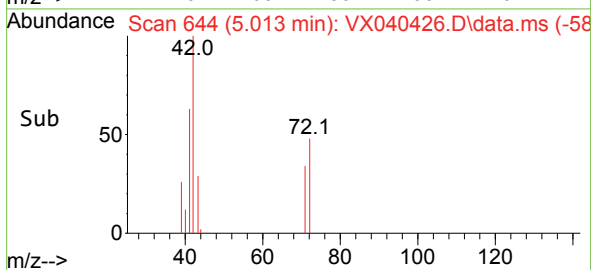
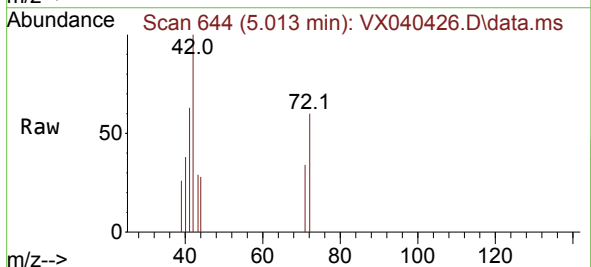
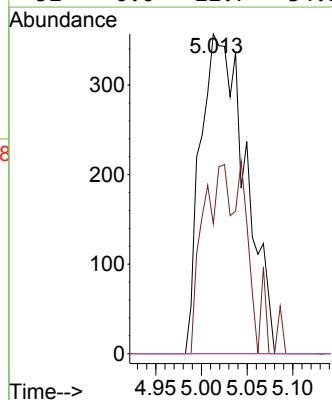


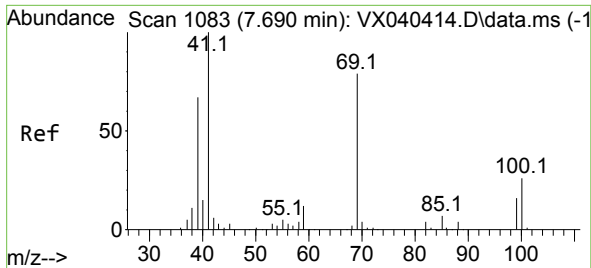
Tgt Ion:117 Resp: 8037
Ion Ratio Lower Upper
117 100
119 4.7 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 1.499 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.091 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Tgt Ion: 41 Resp: 1216
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

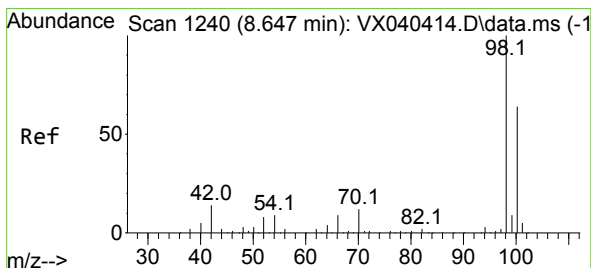
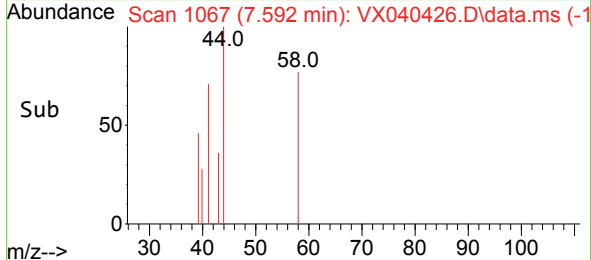
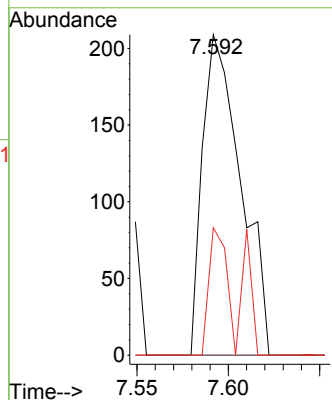
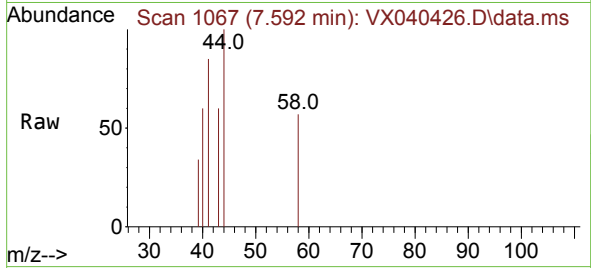




#48
Methyl methacrylate
Concen: 0.263 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. -0.098 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

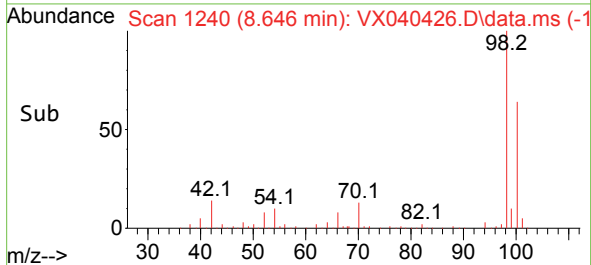
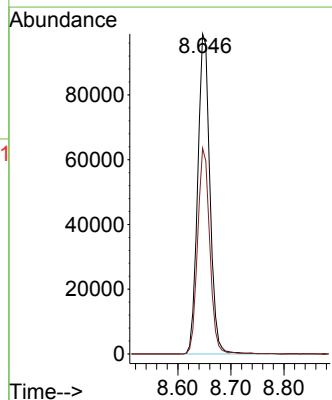
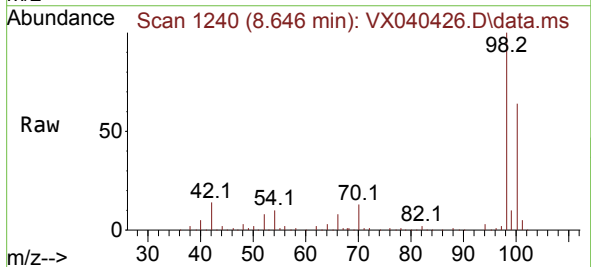
Instrument : MSVOA_X
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

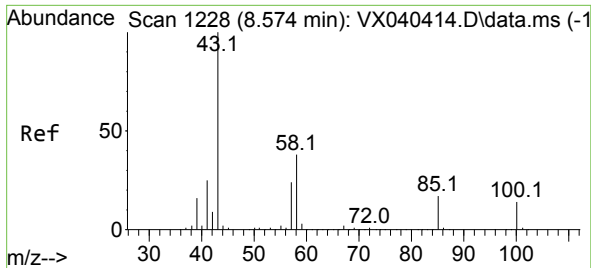
Tgt Ion: 41 Resp: 305
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 18.4 47.7 71.5#



#50
Toluene-d8
Concen: 50.605 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Tgt Ion: 98 Resp: 157934
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.631 ug/l

RT: 8.579 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040426.D

Acq: 23 Feb 2024 13:05

Instrument :

MSVOA_X

ClientSampleId :

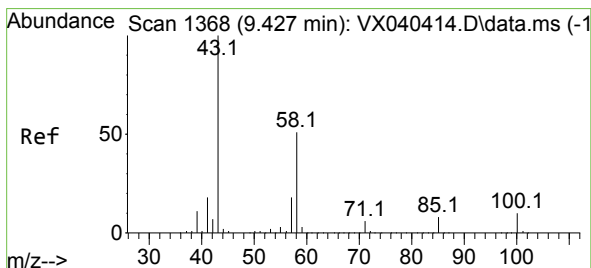
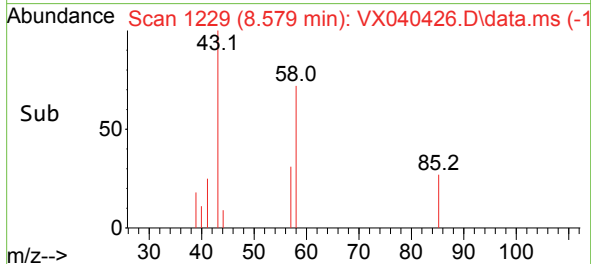
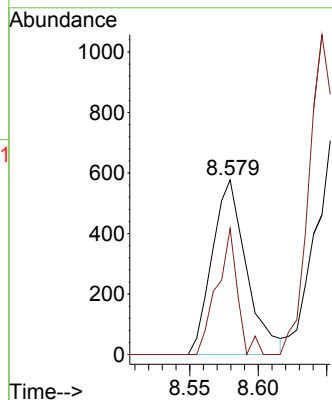
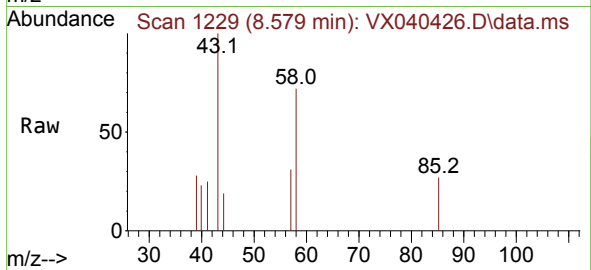
20241103-AMENDED-COMPOSITE-35N-N-4-02RE

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

58 43.5 30.4 45.6



#59

2-Hexanone

Concen: 0.439 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX040426.D

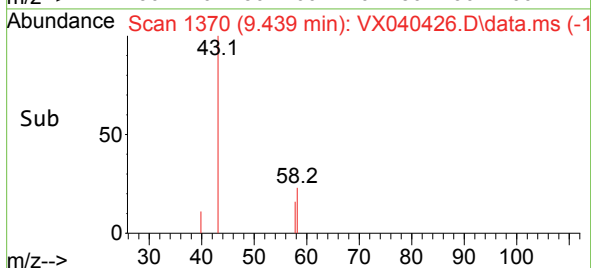
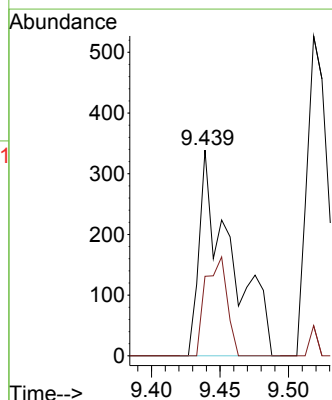
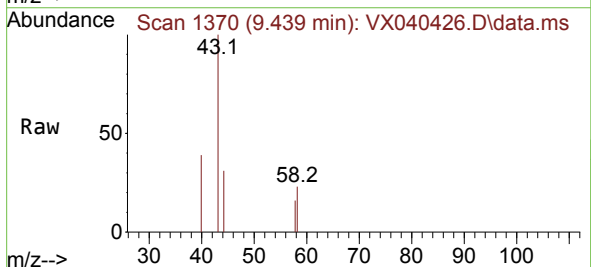
Acq: 23 Feb 2024 13:05

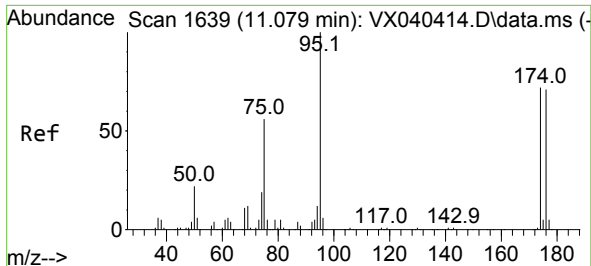
Tgt Ion: 43 Resp: 539

Ion Ratio Lower Upper

43 100

58 32.8 26.2 78.5

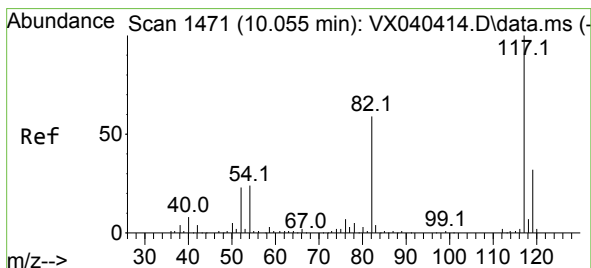
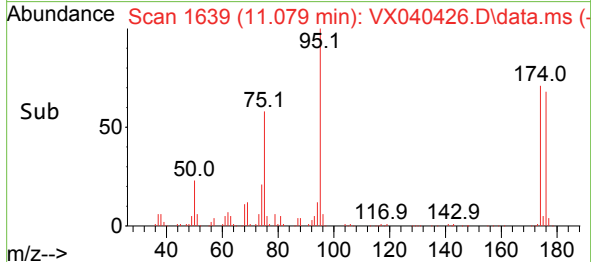
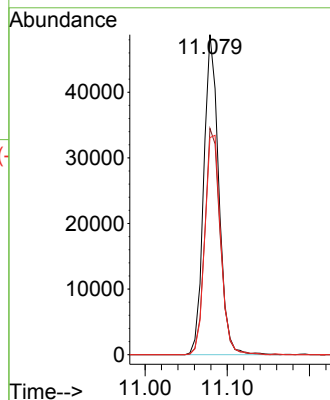
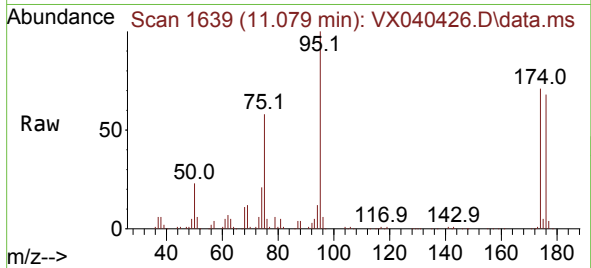




#62
4-Bromofluorobenzene
Concen: 49.387 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

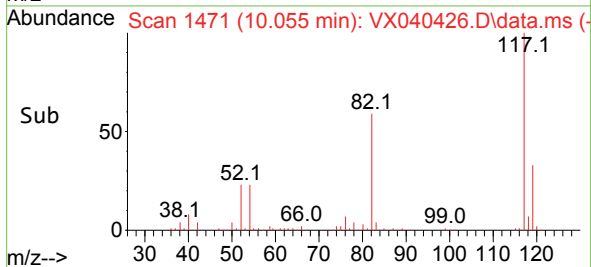
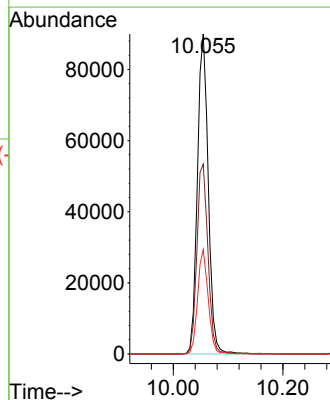
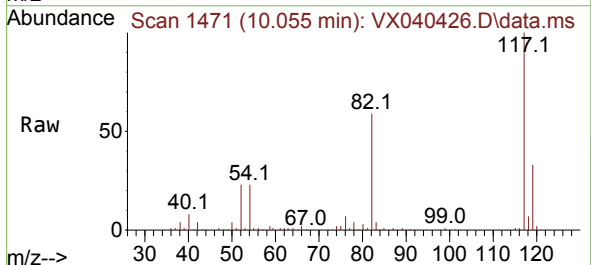
Instrument : MSVOA_X
ClientSampleId : 20241103-AMENDED-COMPOSITE-35N-N-4-02RE

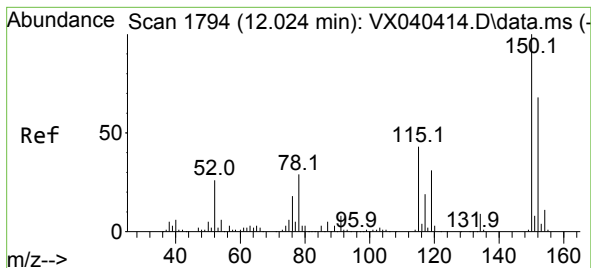
Tgt Ion: 95 Resp: 61763
Ion Ratio Lower Upper
95 100
174 72.6 0.0 135.6
176 72.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Tgt Ion: 117 Resp: 124447
Ion Ratio Lower Upper
117 100
82 59.3 46.2 69.4
119 32.6 25.5 38.3

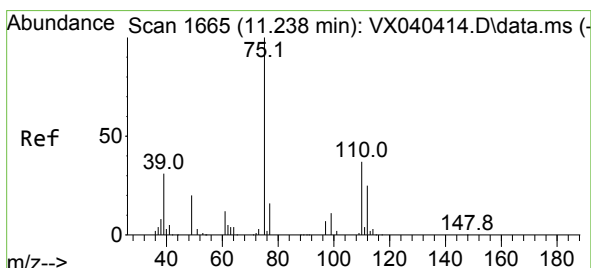
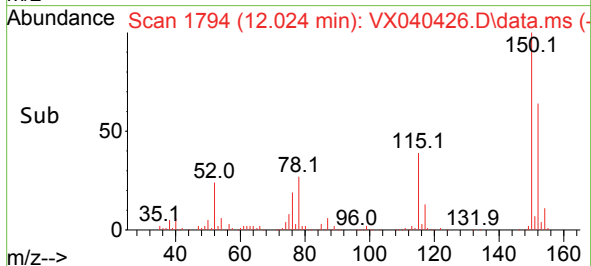
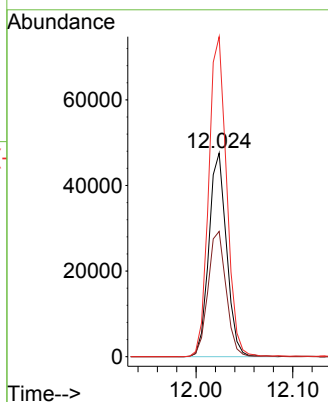
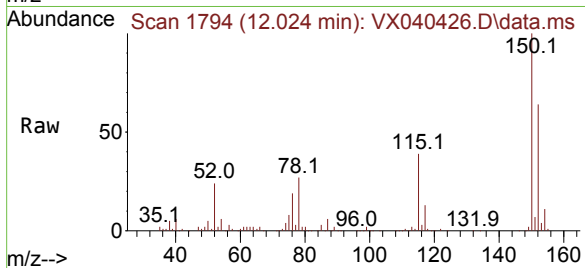




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

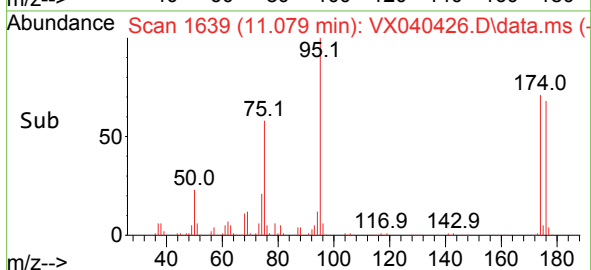
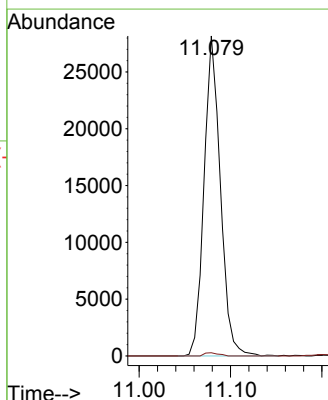
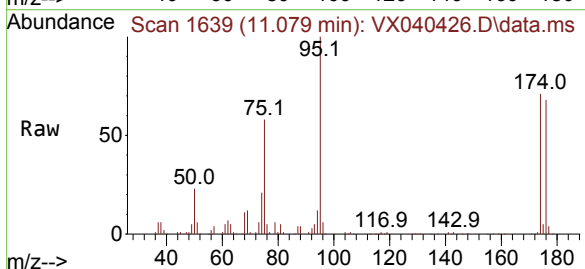
Instrument :
MSVOA_X
ClientSampleId :
20241103-AMENDED-COMPOSITE-35N-N-4-02RE

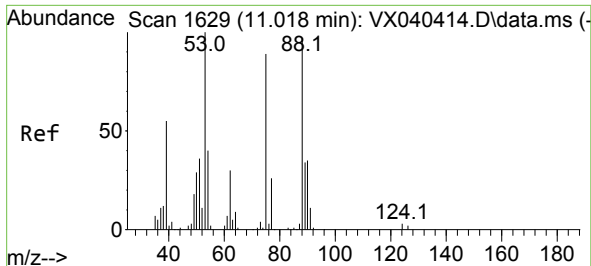
Tgt Ion:152 Resp: 60610
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 158.8 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.893 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

Tgt Ion: 75 Resp: 34897
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#

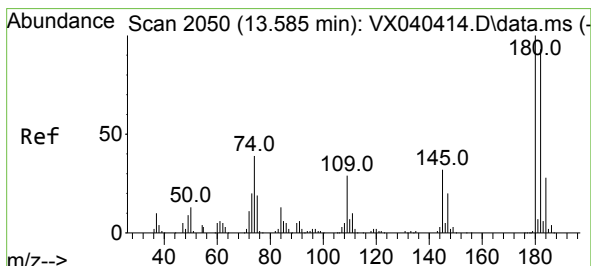
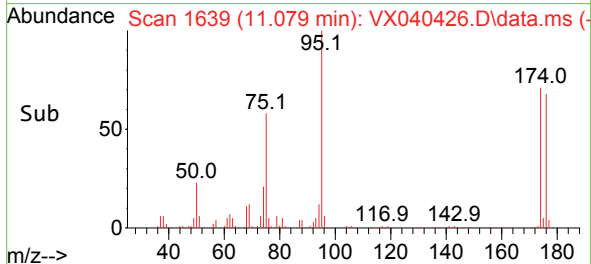
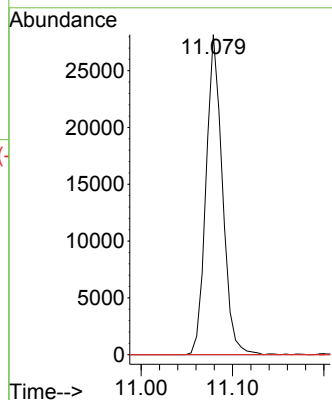
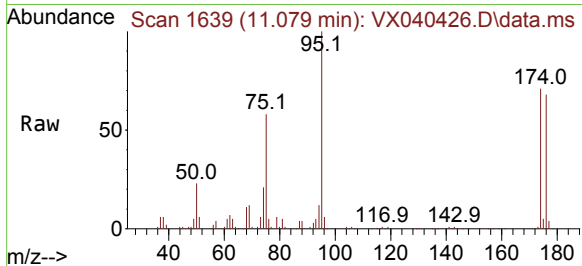




#81
trans-1,4-Dichloro-2-butene
Concen: 90.097 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

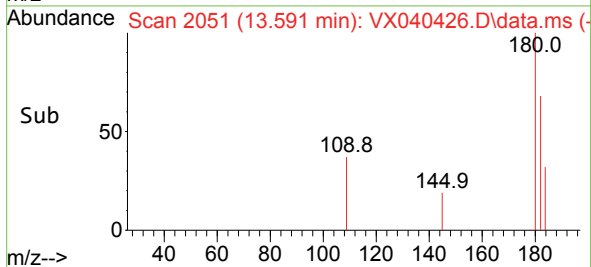
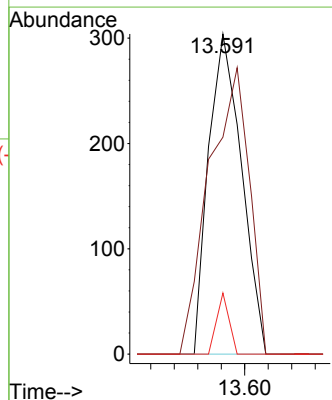
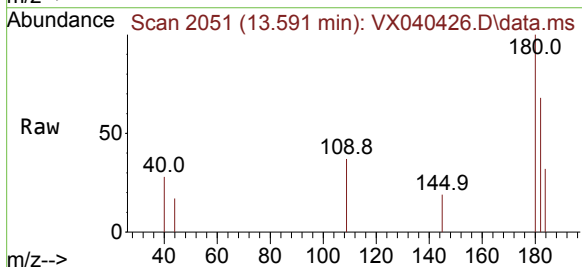
Instrument :
MSVOA_X
ClientSampleId :
20241103-AMENDED-COMPOSITE-35N-N-4-02RE

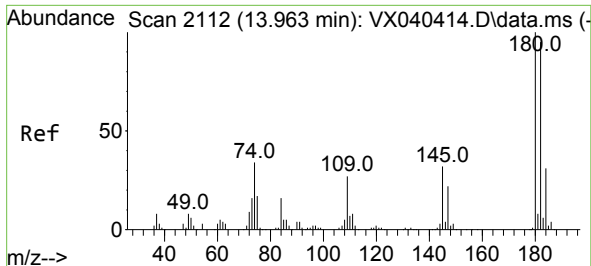
Tgt Ion: 75 Resp: 34897
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.237 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040426.D
Acq: 23 Feb 2024 13:05

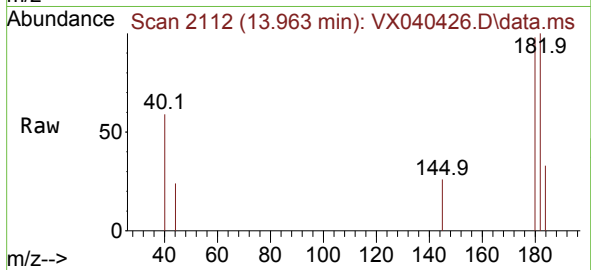
Tgt Ion:180 Resp: 296
Ion Ratio Lower Upper
180 100
182 109.1 48.3 144.8
145 7.1 18.0 54.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.240 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX040426.D
 Acq: 23 Feb 2024 13:05

Instrument :
 MSVOA_X
 ClientSampleId :
 20241103-AMENDED-COMPOSITE-35N-N-4-02RE



Tgt Ion:180 Resp: 288
 Ion Ratio Lower Upper
 180 100
 182 71.5 46.9 140.6
 145 14.6 17.8 53.5#

