

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022324\
 Data File : VX040429.D
 Acq On : 23 Feb 2024 14:14
 Operator : JC/MD
 Sample : P1539-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20241106-AMENDED-COMPOSITE-35N-N-4-05RE

Quant Time: Feb 23 22:18:52 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)

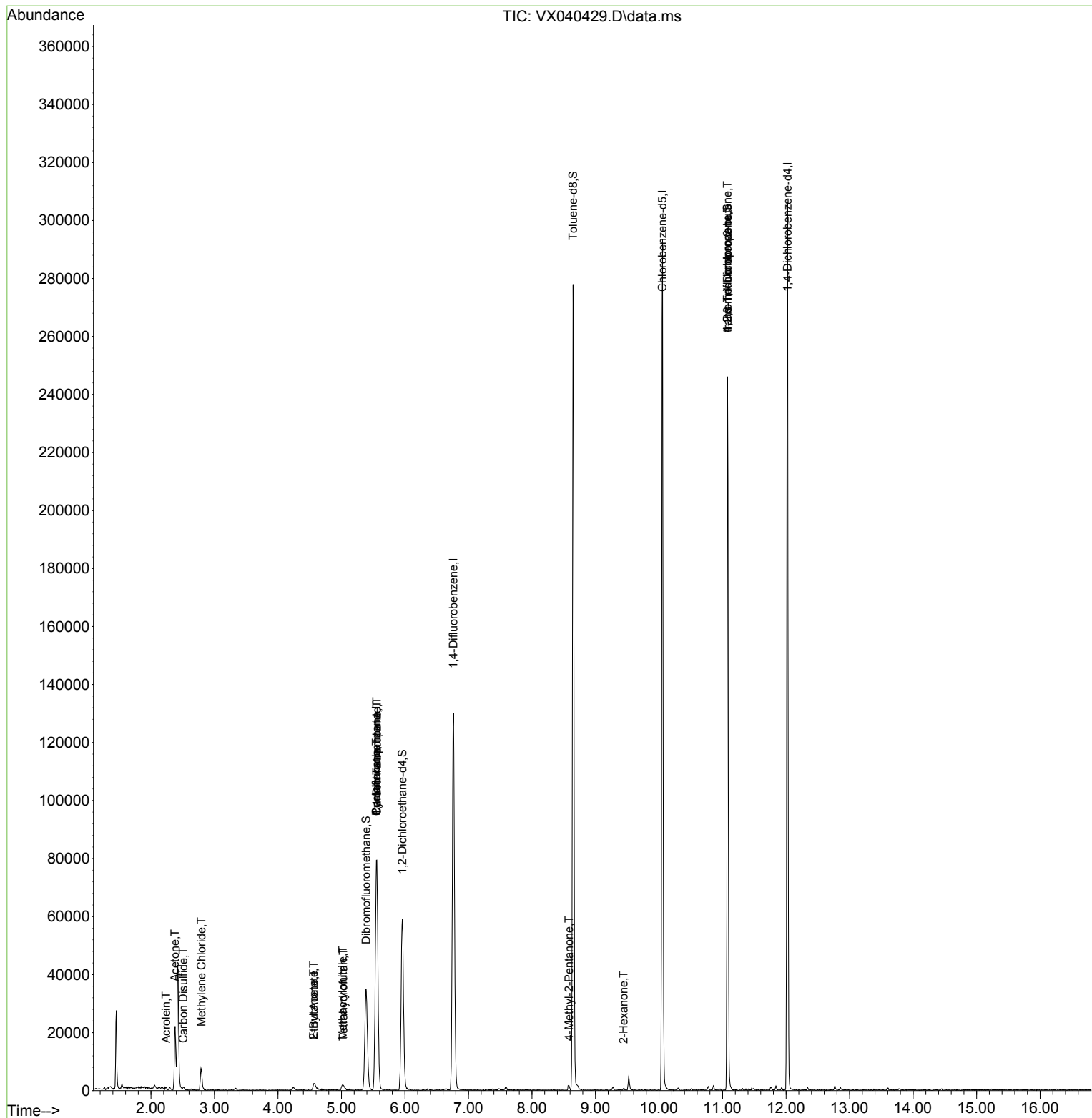
Internal Standards						
1) Pentafluorobenzene	5.550	168	71442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	124753	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	57984	49.836	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.680%
35) Dibromofluoromethane	5.385	113	29614	35.226	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	70.460%#
50) Toluene-d8	8.647	98	156622	51.578	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.160%
62) 4-Bromofluorobenzene	11.079	95	62277	51.180	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.360%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	416	1.546	ug/l	85
16) Acetone	2.380	43	23092	47.633	ug/l	98
17) Carbon Disulfide	2.508	76	1003	0.462	ug/l #	84
20) Methylene Chloride	2.794	84	3455	3.404	ug/l	94
25) 2-Butanone	4.562	43	4445	5.881	ug/l	94
29) Tetrahydrofuran	5.026	42	1717	3.413	ug/l #	79
31) Cyclohexane	5.550	56	1876	1.345	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6857	5.270	ug/l #	50
37) Ethyl Acetate	4.562	43	4445	2.990	ug/l #	69
38) Carbon Tetrachloride	5.556	117	8009	6.653	ug/l #	15
41) Methacrylonitrile	5.019	41	689	0.873	ug/l #	44
51) 4-Methyl-2-Pentanone	8.580	43	1211	0.782	ug/l	91
59) 2-Hexanone	9.439	43	473	0.396	ug/l	71
76) 1,2,3-Trichloropropane	11.079	75	34582	25.410	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34582	88.417	ug/l #	5

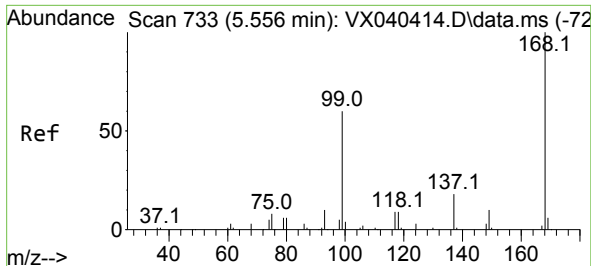
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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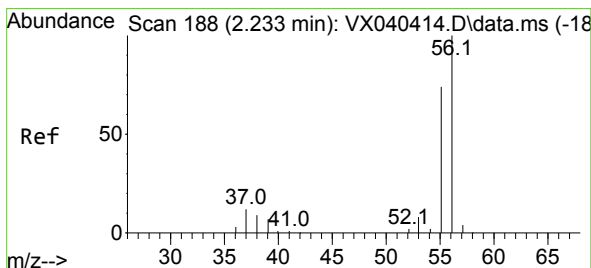
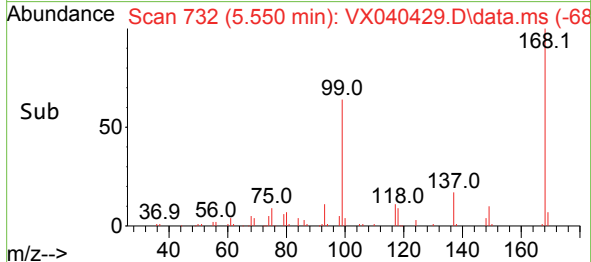
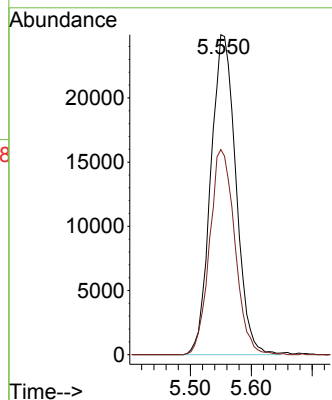
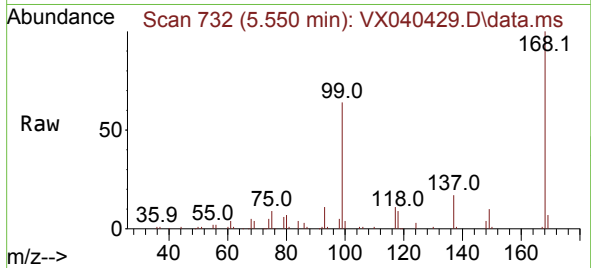




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

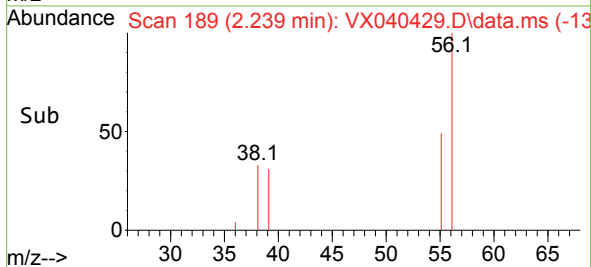
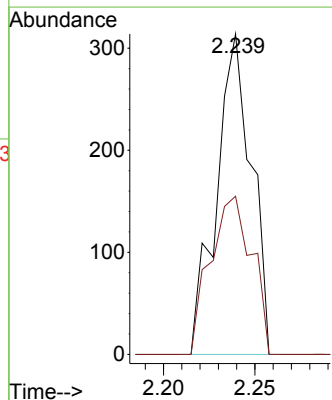
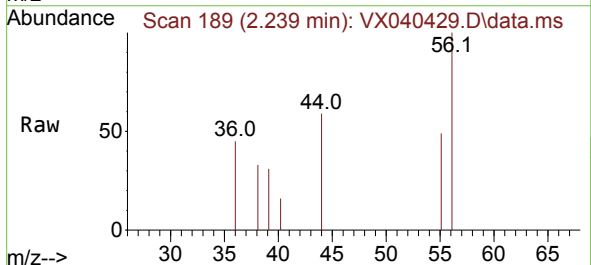
Instrument :
MSVOA_X
ClientSampleId :
20241106-AMENDED-COMPOSITE-35N-N-4-05RE

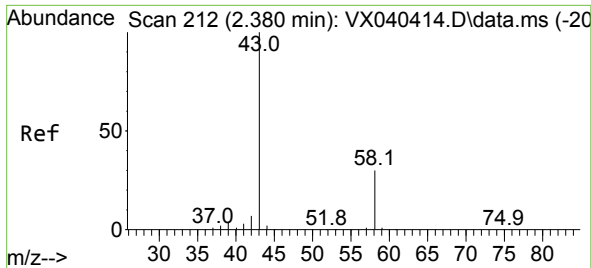
Tgt Ion:168 Resp: 71442
Ion Ratio Lower Upper
168 100
99 64.1 56.6 85.0



#13
Acrolein
Concen: 1.546 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Tgt Ion: 56 Resp: 416
Ion Ratio Lower Upper
56 100
55 58.9 57.1 85.7

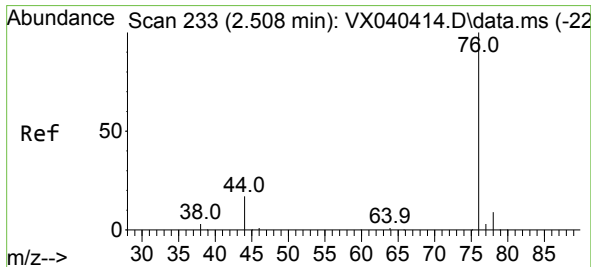
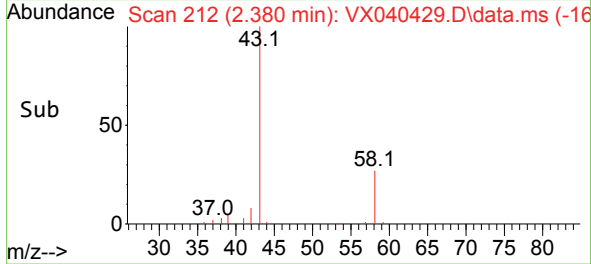
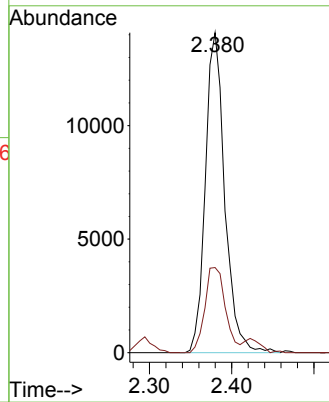
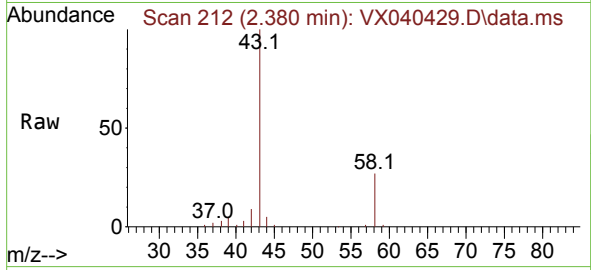




#16
Acetone
Concen: 47.633 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

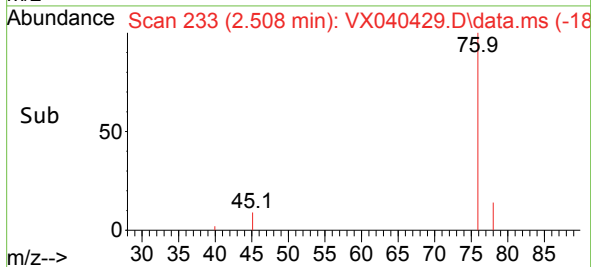
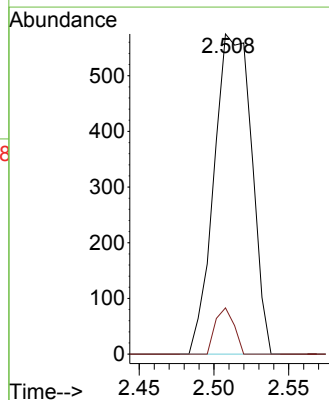
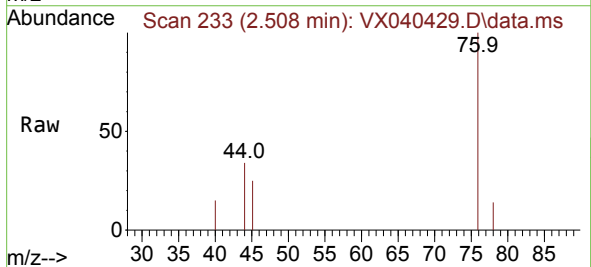
Instrument : MSVOA_X
ClientSampleId : 20241106-AMENDED-COMPOSITE-35N-N-4-05RE

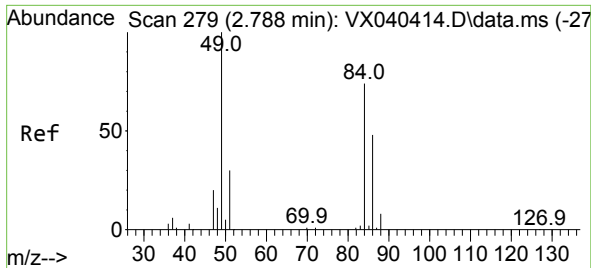
Tgt Ion: 43 Resp: 23092
Ion Ratio Lower Upper
43 100
58 26.6 21.9 32.9



#17
Carbon Disulfide
Concen: 0.462 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Tgt Ion: 76 Resp: 1003
Ion Ratio Lower Upper
76 100
78 14.4 7.0 10.6

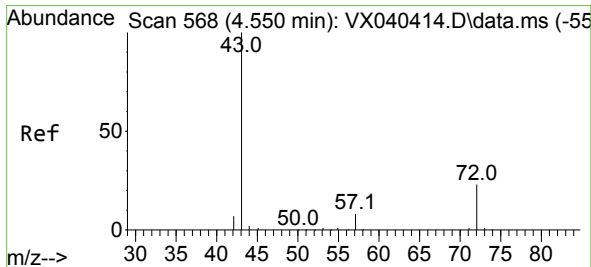
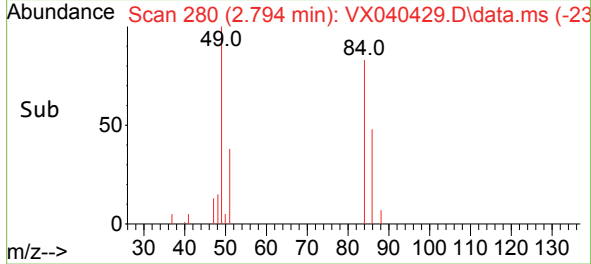
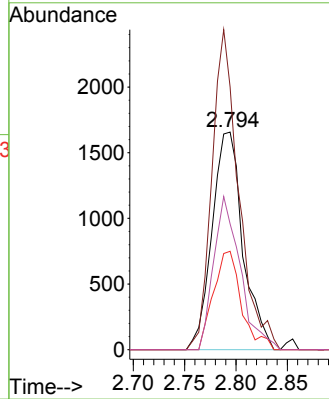
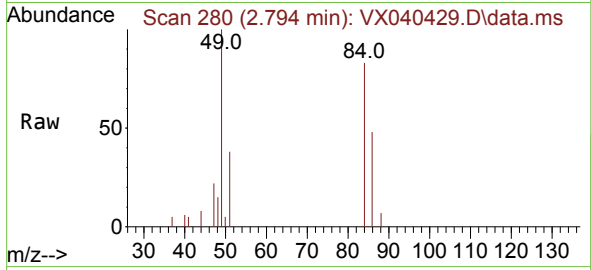




#20
Methylene Chloride
Concen: 3.404 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

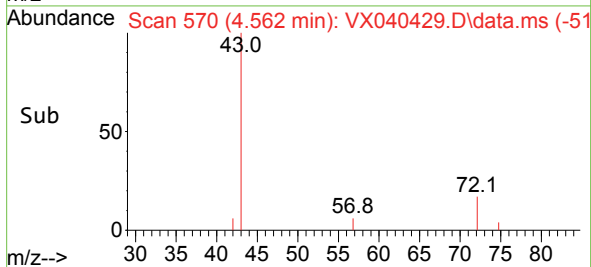
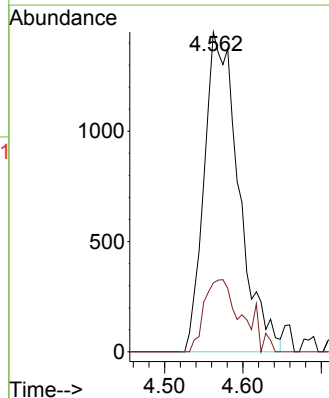
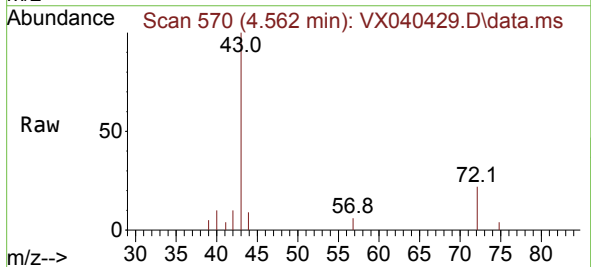
Instrument : MSVOA_X
ClientSampleId : 20241106-AMENDED-COMPOSITE-35N-N-4-05RE

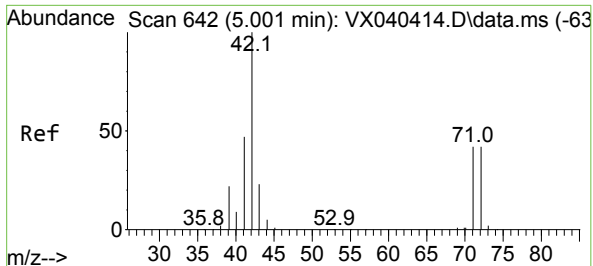
Tgt Ion:	84	Resp:	3455
Ion	Ratio	Lower	Upper
84	100		
49	120.7	103.6	155.4
51	45.3	33.8	50.6
86	57.8	49.4	74.0



#25
2-Butanone
Concen: 5.881 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Tgt Ion:	43	Resp:	4445
Ion	Ratio	Lower	Upper
43	100		
72	21.5	19.4	29.2





#29

Tetrahydrofuran

Concen: 3.413 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX040429.D

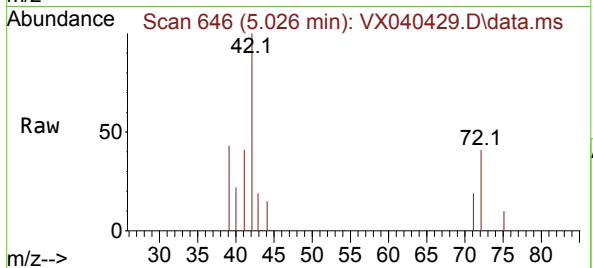
Acq: 23 Feb 2024 14:14

Instrument :

MSVOA_X

ClientSampleId :

20241106-AMENDED-COMPOSITE-35N-N-4-05RE



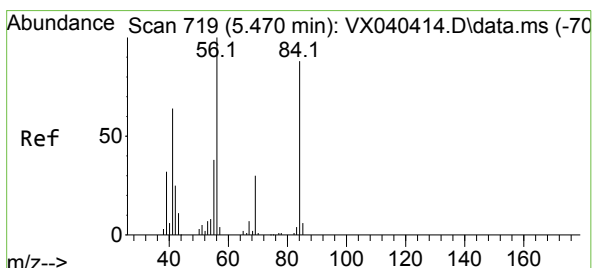
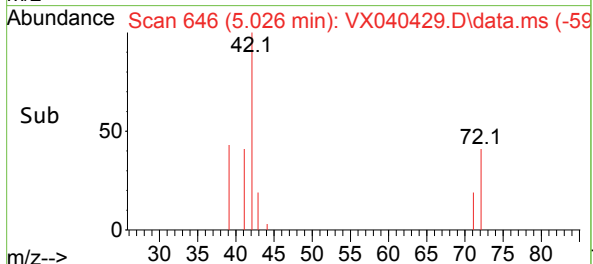
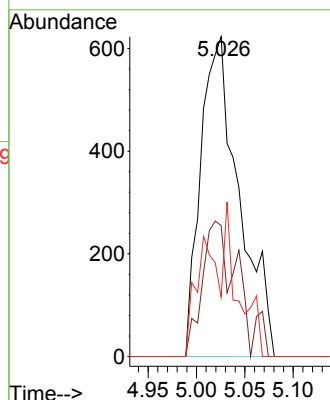
Tgt Ion: 42 Resp: 1717

Ion Ratio Lower Upper

42 100

72 35.7 34.2 51.4

71 21.3 32.2 48.2#



#31

Cyclohexane

Concen: 1.345 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX040429.D

Acq: 23 Feb 2024 14:14

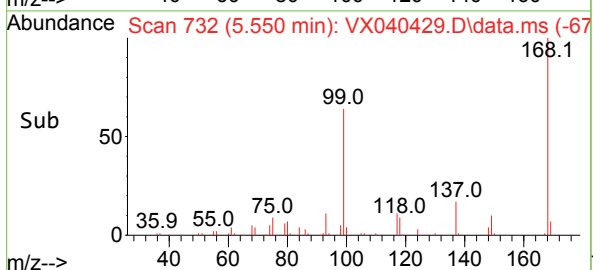
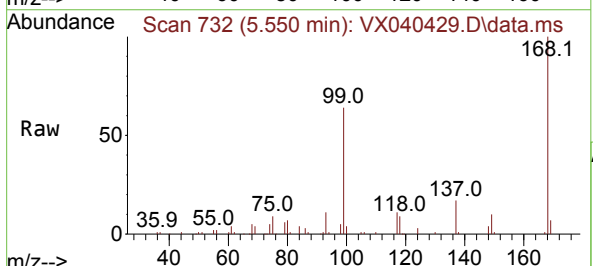
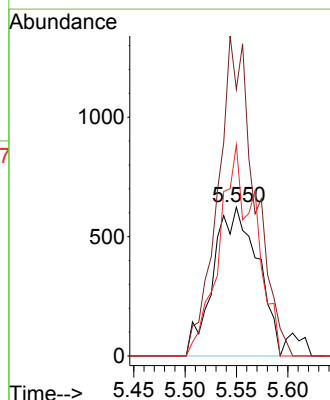
Tgt Ion: 56 Resp: 1876

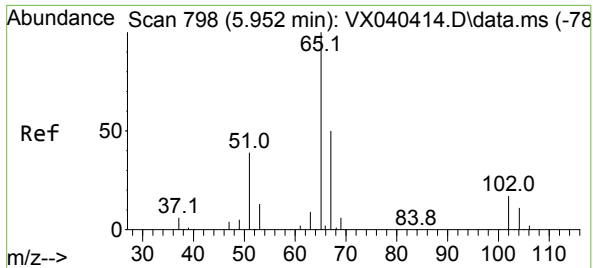
Ion Ratio Lower Upper

56 100

69 179.3 23.4 35.2#

84 141.9 65.9 98.9#

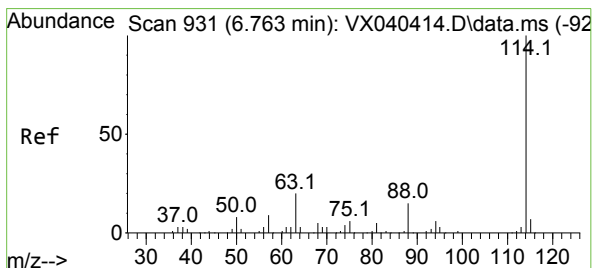
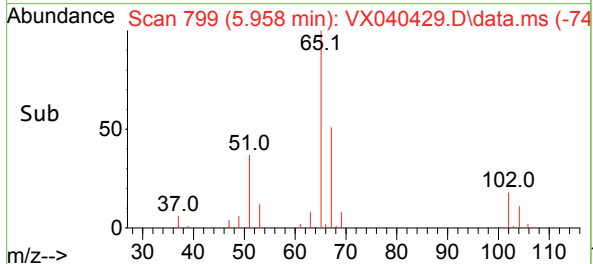
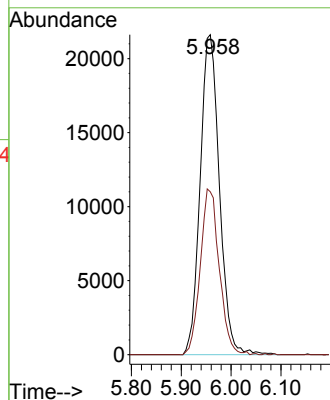
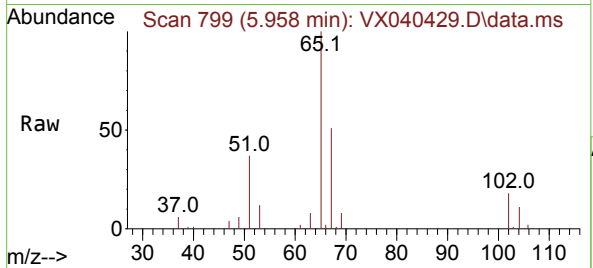




#33
 1,2-Dichloroethane-d4
 Concen: 49.836 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX040429.D
 Acq: 23 Feb 2024 14:14

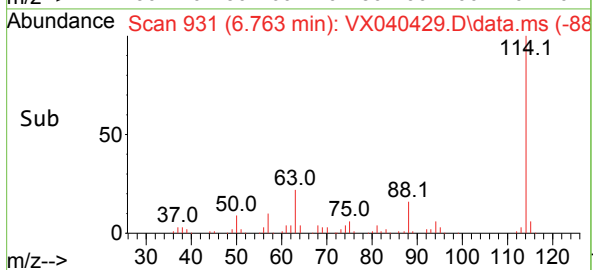
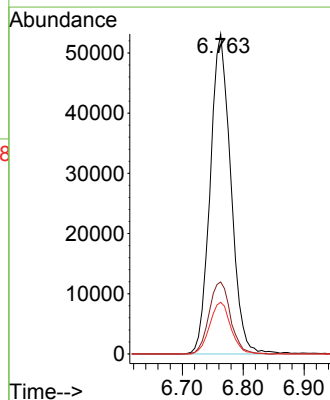
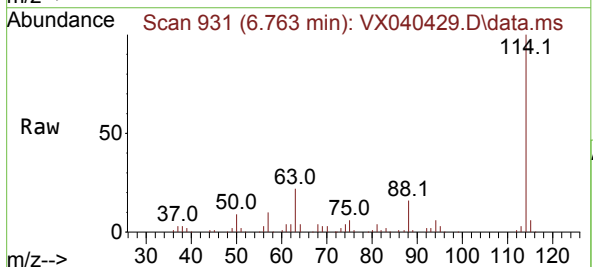
Instrument :
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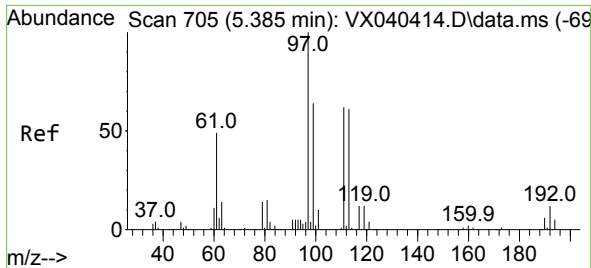
Tgt Ion: 65 Resp: 57984
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX040429.D
 Acq: 23 Feb 2024 14:14

Tgt Ion: 114 Resp: 124753
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 16.2 0.0 36.6

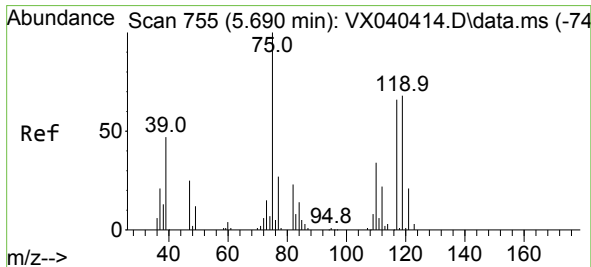
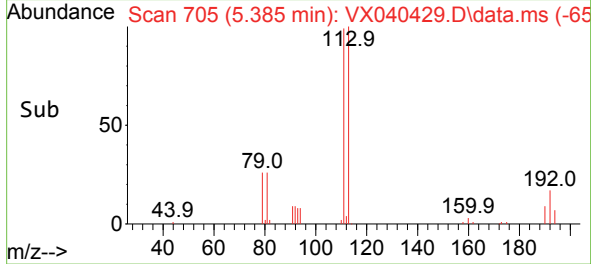
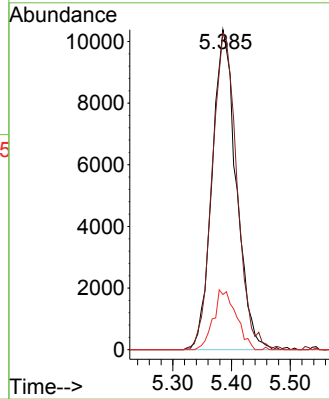
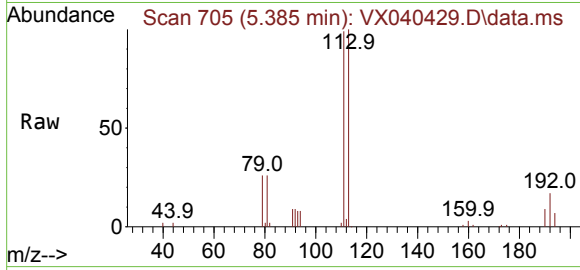




#35
Dibromofluoromethane
Concen: 35.226 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

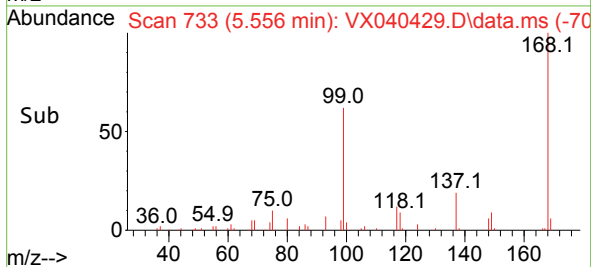
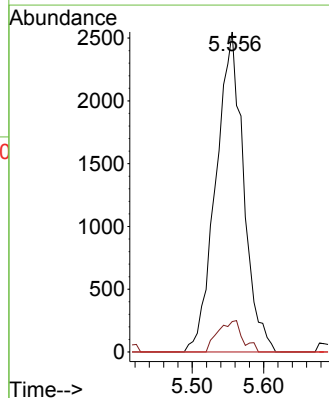
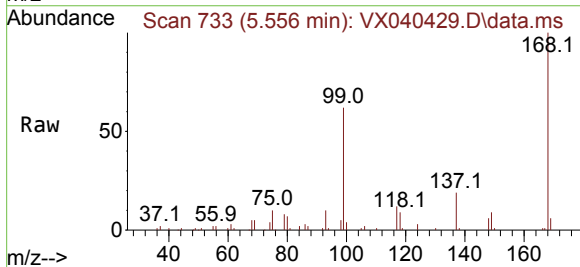
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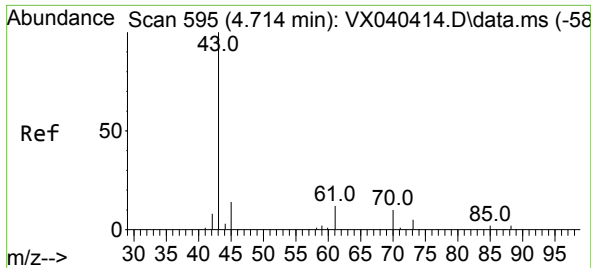
Tgt Ion:	113	Resp:	29614
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.9	124.3
192	17.6	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.270 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Tgt Ion:	75	Resp:	6857
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.0	24.7	37.1#





#37

Ethyl Acetate

Concen: 2.990 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX040429.D

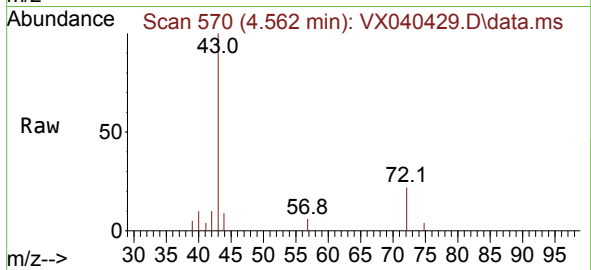
Acq: 23 Feb 2024 14:14

Instrument :

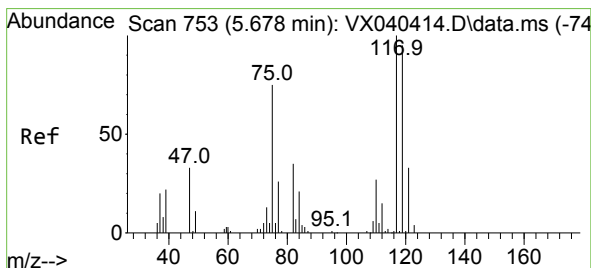
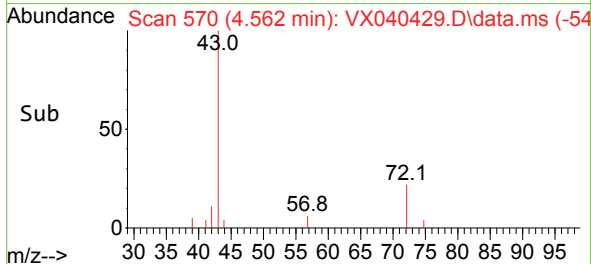
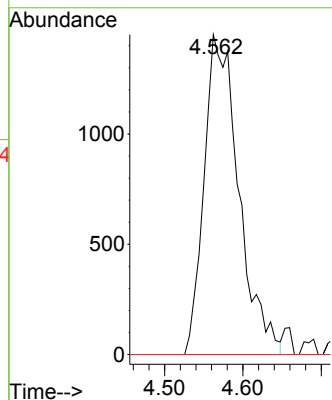
MSVOA_X

ClientSampleId :

20241106-AMENDED-COMPOSITE-35N-N-4-05RE



Tgt Ion:	43	Resp:	4445
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 6.653 ug/l

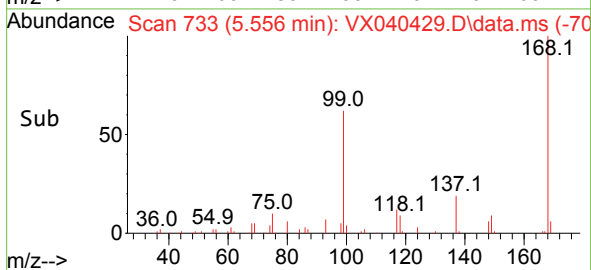
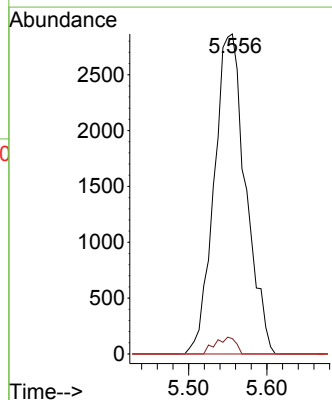
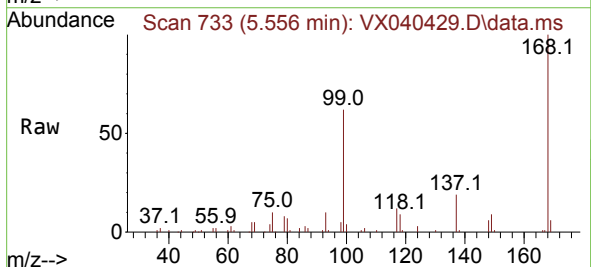
RT: 5.556 min Scan# 733

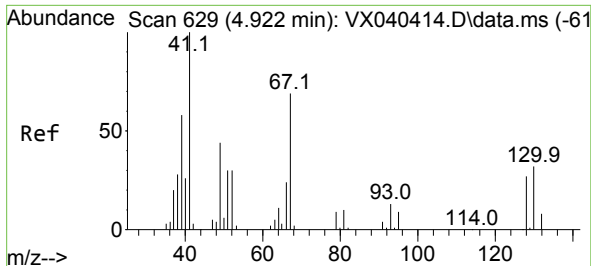
Delta R.T. -0.122 min

Lab File: VX040429.D

Acq: 23 Feb 2024 14:14

Tgt Ion:	117	Resp:	8009
Ion	Ratio	Lower	Upper
117	100		
119	4.8	78.2	117.2#
121	0.0	24.4	36.6#

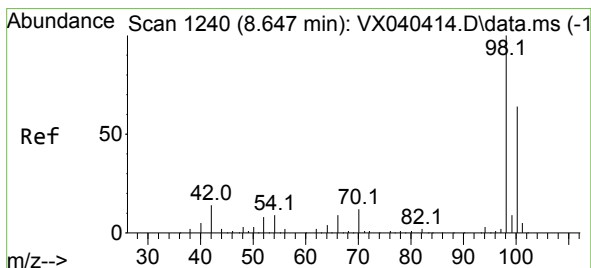
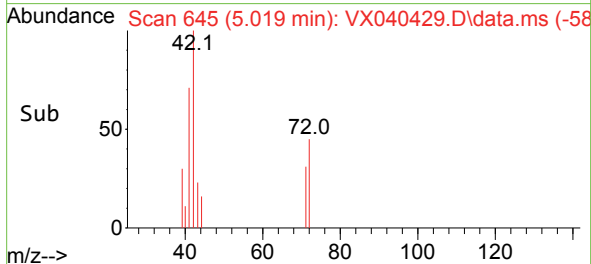
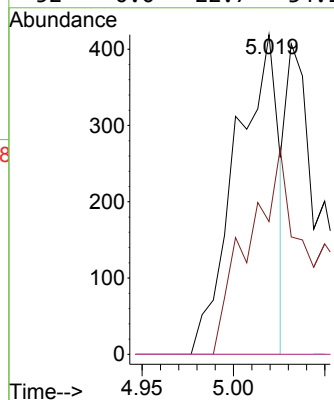
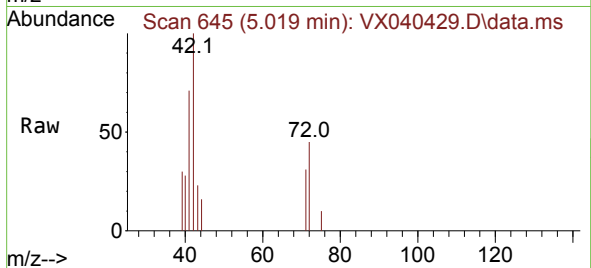




#41
Methacrylonitrile
Concen: 0.873 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

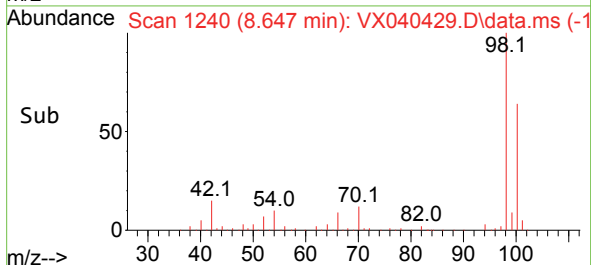
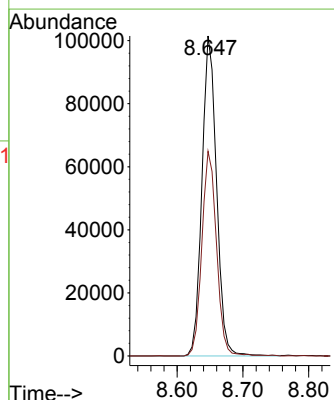
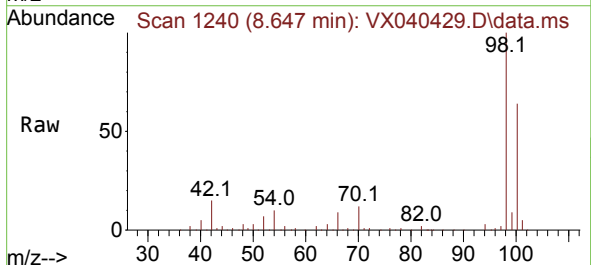
Instrument :
MSVOA_X
ClientSampleId :
20241106-AMENDED-COMPOSITE-35N-N-4-05RE

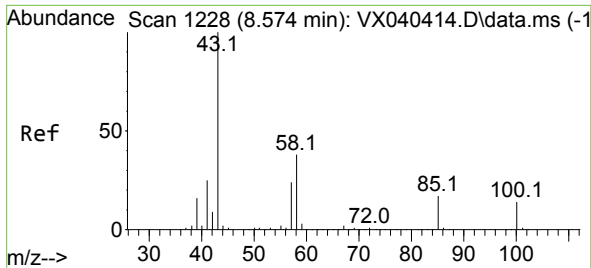
Tgt Ion: 41 Resp: 689
Ion Ratio Lower Upper
41 100
39 74.7 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#



#50
Toluene-d8
Concen: 51.578 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Tgt Ion: 98 Resp: 156622
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7

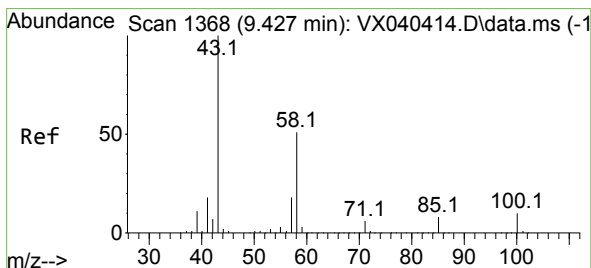
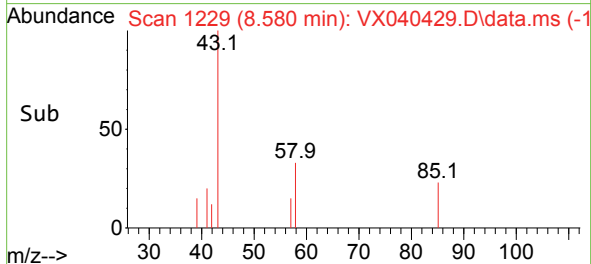
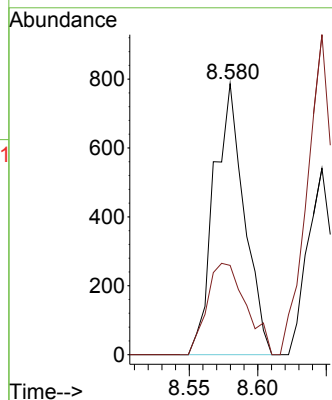
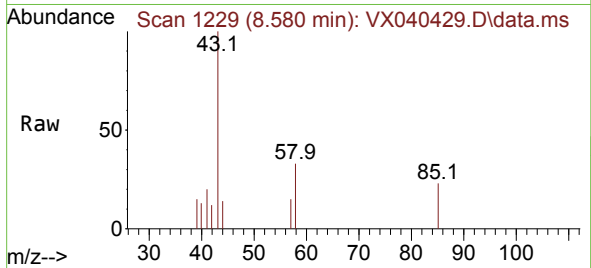




#51
4-Methyl-2-Pentanone
Concen: 0.782 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

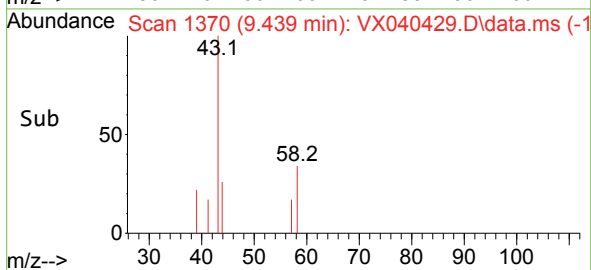
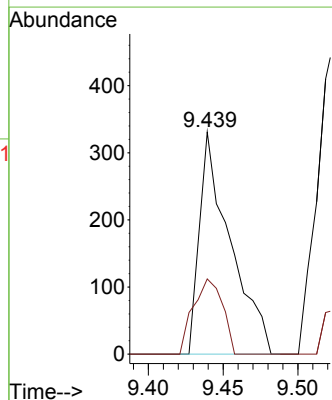
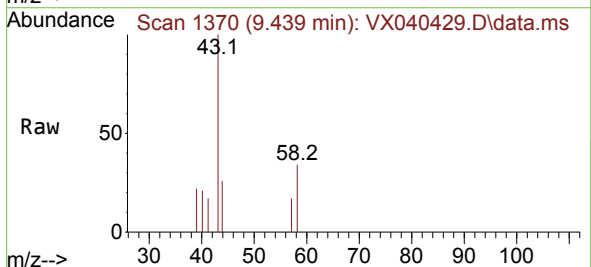
Instrument : MSVOA_X
ClientSampleId : 20241106-AMENDED-COMPOSITE-35N-N-4-05RE

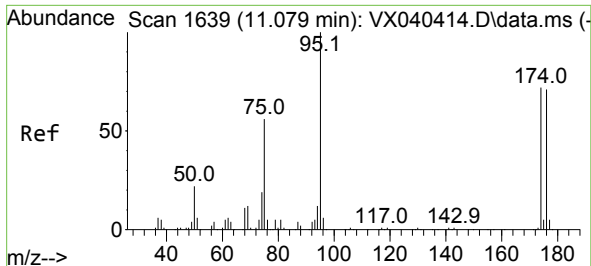
Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
58 43.4 30.4 45.6



#59
2-Hexanone
Concen: 0.396 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 32.1 26.2 78.5

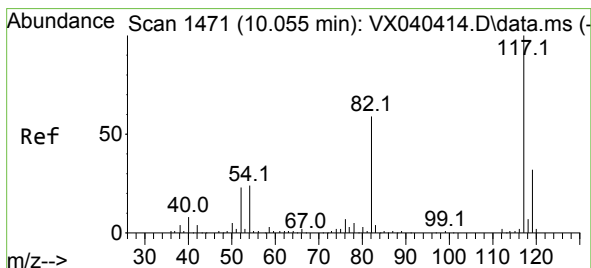
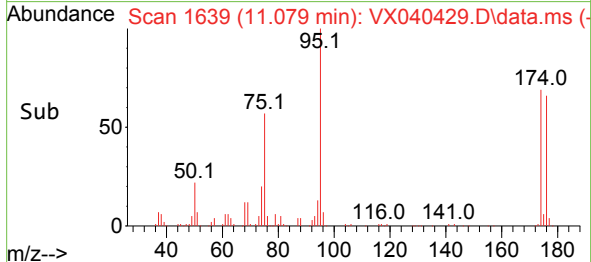
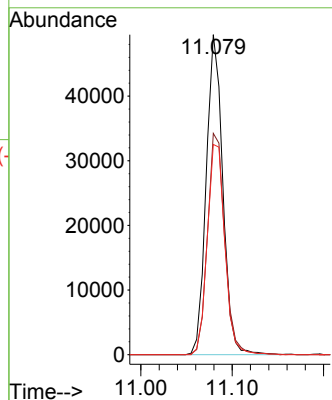
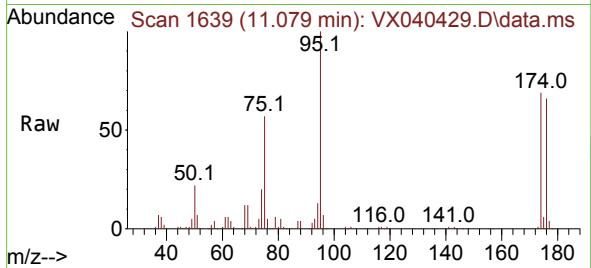




#62
4-Bromofluorobenzene
Concen: 51.180 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

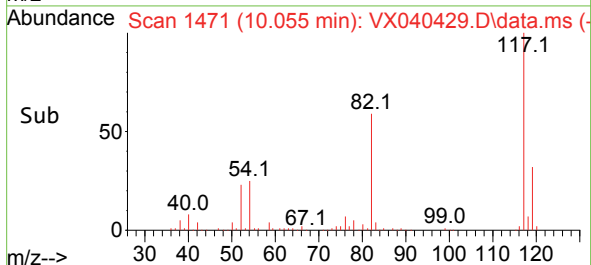
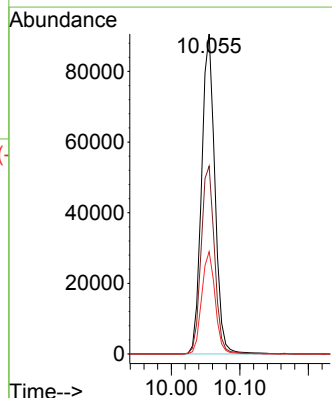
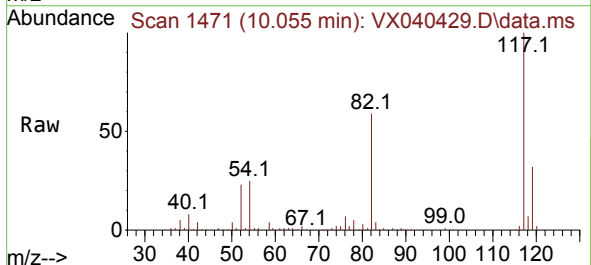
Instrument : MSVOA_X
ClientSampleId : 20241106-AMENDED-COMPOSITE-35N-N-4-05RE

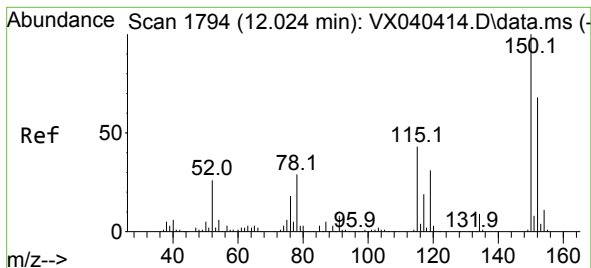
Tgt Ion: 95 Resp: 62277
Ion Ratio Lower Upper
95 100
174 72.2 0.0 135.6
176 69.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Tgt Ion: 117 Resp: 122663
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX040429.D

Acq: 23 Feb 2024 14:14

Instrument :

MSVOA_X

ClientSampleId :

20241106-AMENDED-COMPOSITE-35N-N-4-05RE

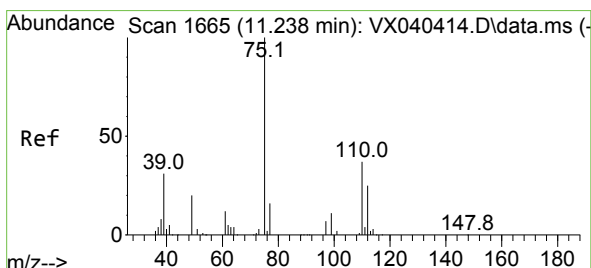
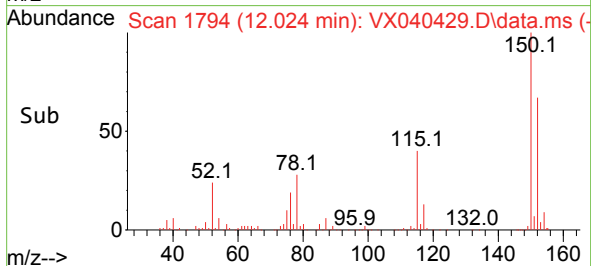
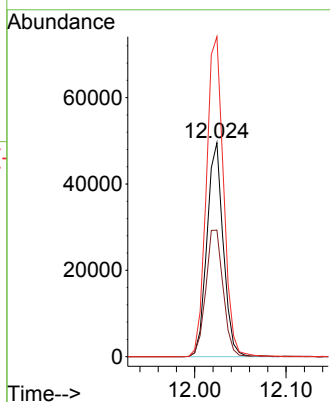
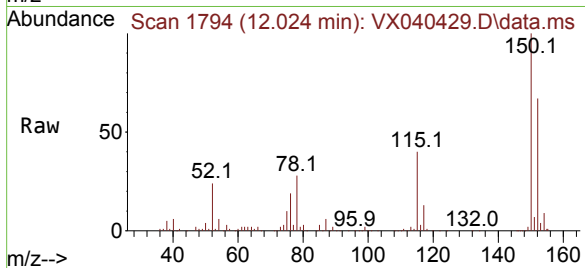
Tgt Ion:152 Resp: 61204

Ion Ratio Lower Upper

152 100

115 63.3 43.3 129.9

150 157.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.410 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040429.D

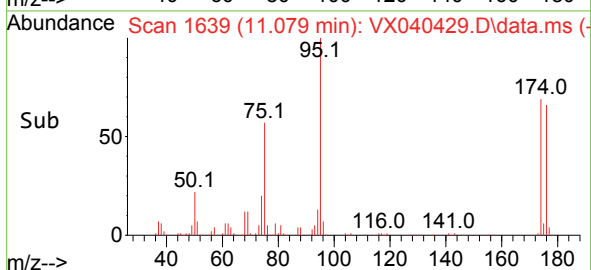
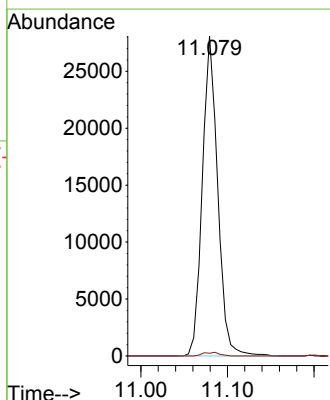
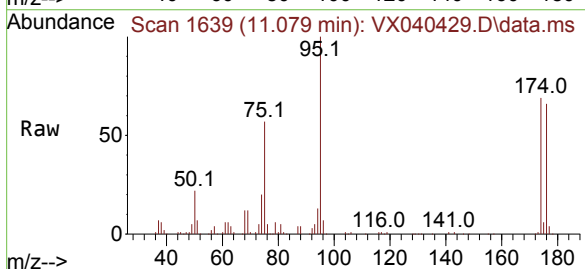
Acq: 23 Feb 2024 14:14

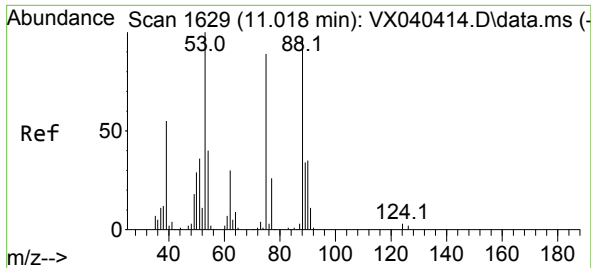
Tgt Ion: 75 Resp: 34582

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.417 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX040429.D
Acq: 23 Feb 2024 14:14

Instrument :
MSVOA_X
ClientSampleId :
20241106-AMENDED-COMPOSITE-35N-N-4-05RE

Tgt Ion: 75 Resp: 34582
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

