

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077396.D
 Acq On : 20 Apr 2023 13:33
 Operator : JC\MD
 Sample : 02407-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 NORTH-ST-&-BAY-AVE-INTERSECTION

Quant Time: Apr 21 02:39:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

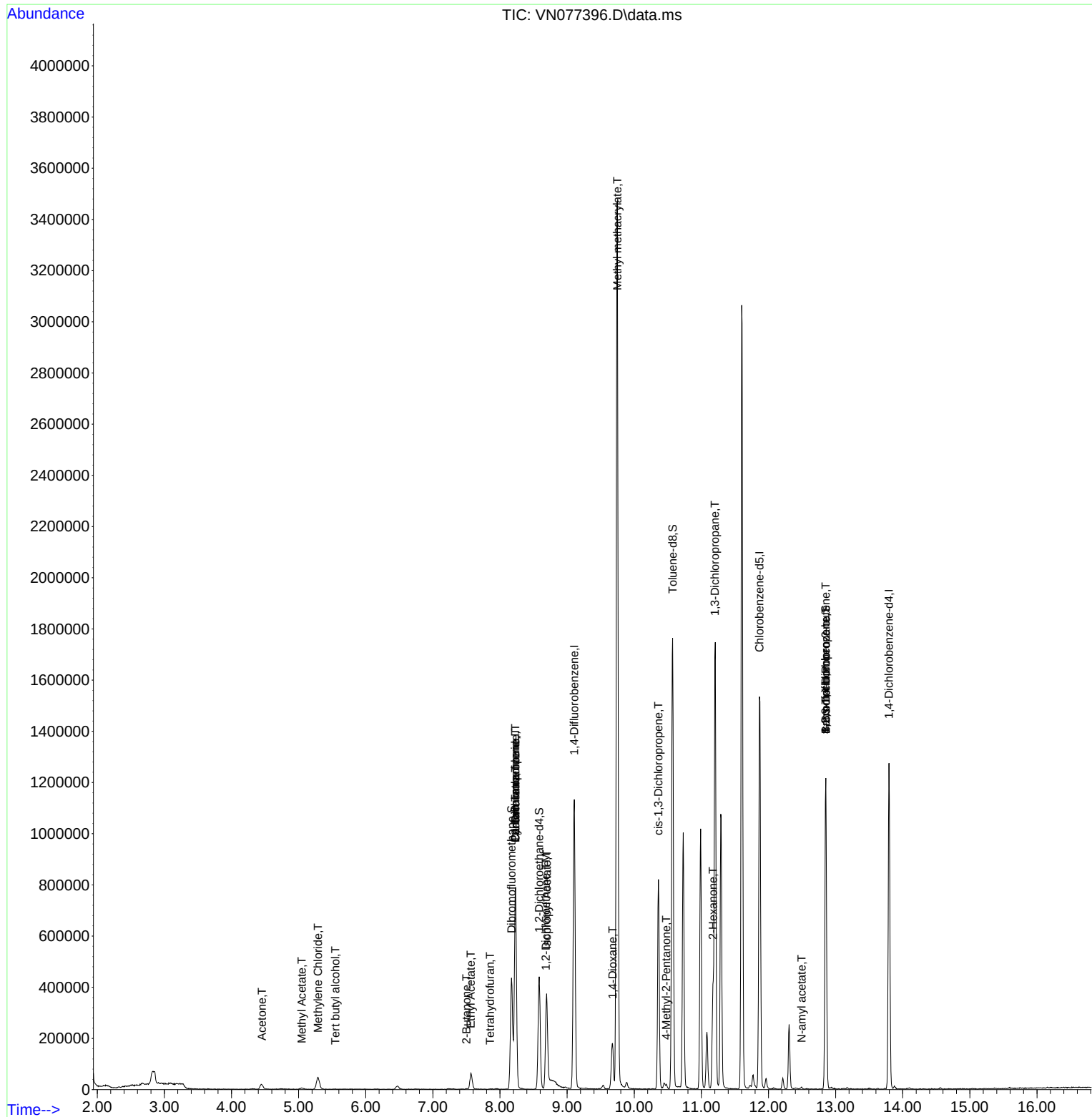
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.231	168	562730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1032563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	947916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	338028	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	344803	44.832	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.660%
35) Dibromofluoromethane	8.172	113	313295	47.396	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.800%
50) Toluene-d8	10.572	98	1295039	48.667	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.340%
62) 4-Bromofluorobenzene	12.854	95	429314	48.509	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.548	59	616	0.393	ug/l	97
16) Acetone	4.454	43	36470	12.861	ug/l #	84
18) Methyl Acetate	5.048	43	10609	0.982	ug/l	95
20) Methylene Chloride	5.290	84	38975	4.867	ug/l	97
25) 2-Butanone	7.501	43	3856	0.838	ug/l	92
29) Tetrahydrofuran	7.854	42	724	0.245	ug/l #	81
31) Cyclohexane	8.231	56	13727	1.149	ug/l #	14
36) 1,1-Dichloropropene	8.231	75	48943	5.006	ug/l #	50
37) Ethyl Acetate	7.566	43	87315	9.982	ug/l	94
38) Carbon Tetrachloride	8.231	117	62882	6.278	ug/l #	15
42) 1,2-Dichloroethane	8.684	62	2596	0.277	ug/l #	73
43) Isopropyl Acetate	8.695	43	416622	25.812	ug/l #	90
48) Methyl methacrylate	9.748	41	298350	43.331	ug/l #	33
49) 1,4-Dioxane	9.678	88	285	1.707	ug/l #	1
51) 4-Methyl-2-Pentanone	10.477	43	12823	1.374	ug/l #	33
54) cis-1,3-Dichloropropene	10.360	75	173579	13.760	ug/l #	59
57) 1,3-Dichloropropane	11.201	76	19229	1.486	ug/l #	44
59) 2-Hexanone	11.172	43	285304	41.048	ug/l #	20
71) Bromoform	12.854	173	1895	0.341	ug/l #	1
74) N-amyl acetate	12.495	43	3994	0.321	ug/l #	57
76) 1,2,3-Trichloropropane	12.854	75	232624	28.900	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	232624	65.034	ug/l #	13

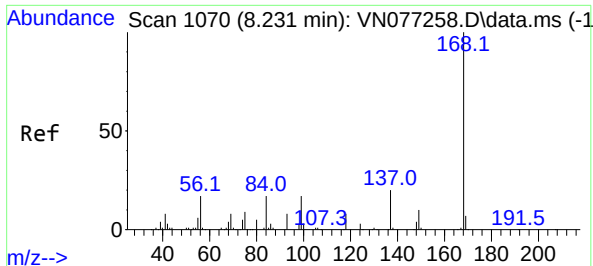
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

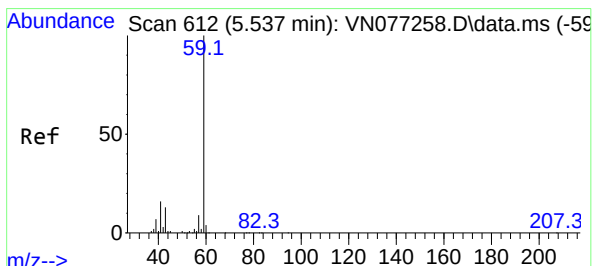
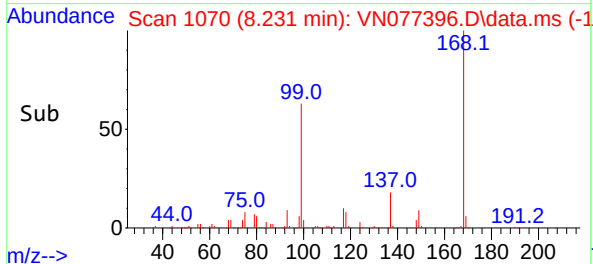
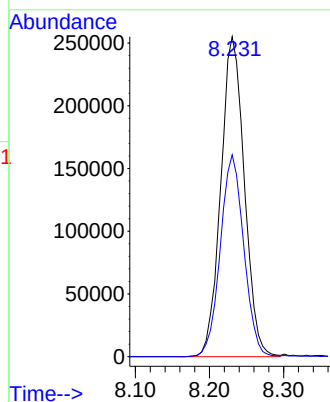
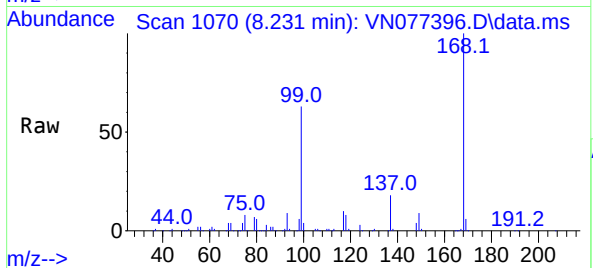




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

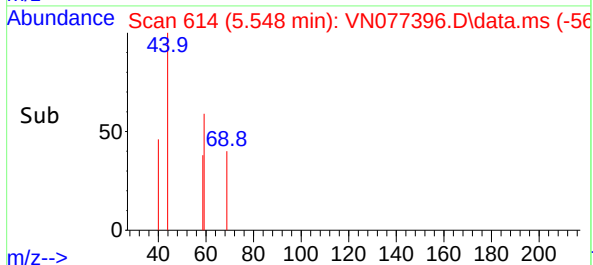
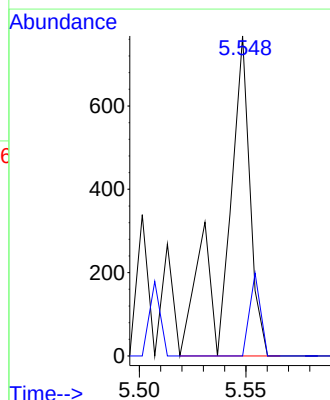
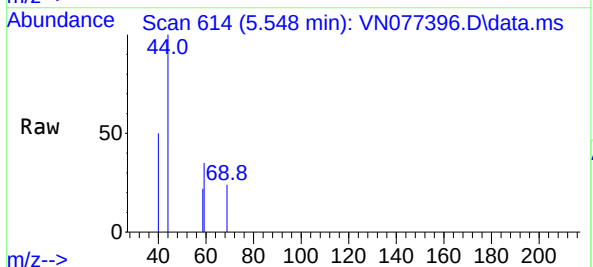
Instrument : MSVOA_N
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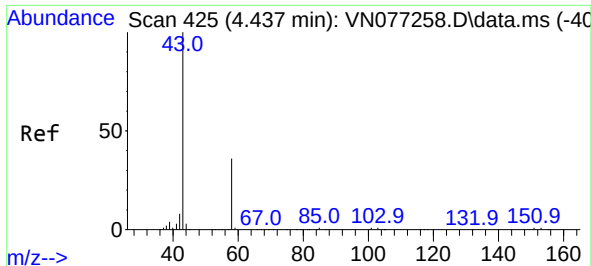
Tgt Ion:168 Resp: 562730
Ion Ratio Lower Upper
168 100
99 63.1 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.393 ug/l
RT: 5.548 min Scan# 614
Delta R.T. 0.011 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 11.4 8.3 12.5

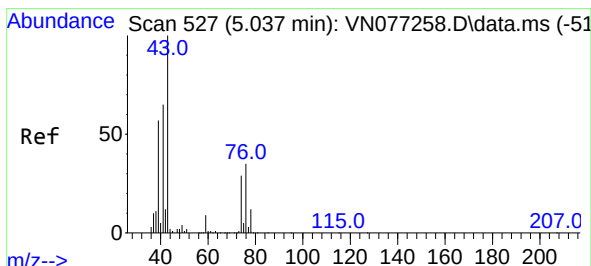
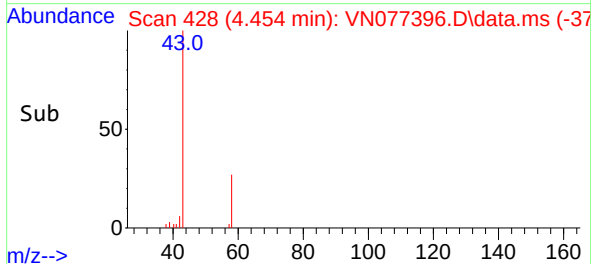
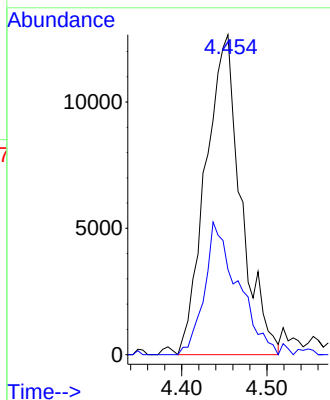
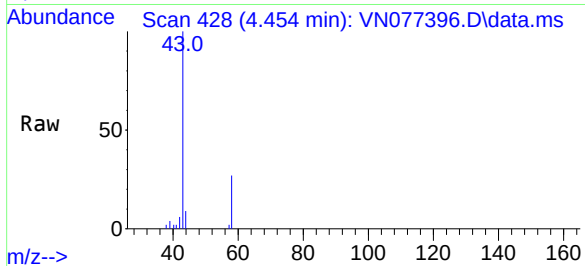




#16
Acetone
Concen: 12.861 ug/l
RT: 4.454 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

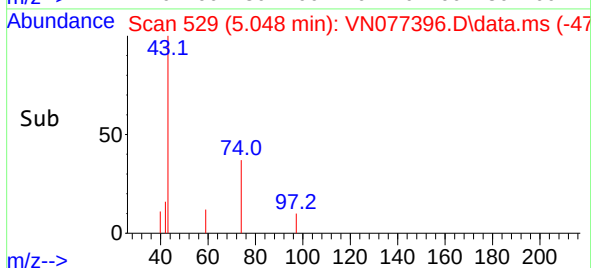
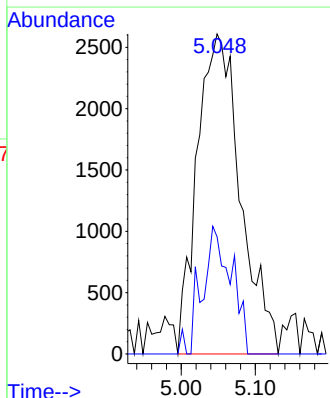
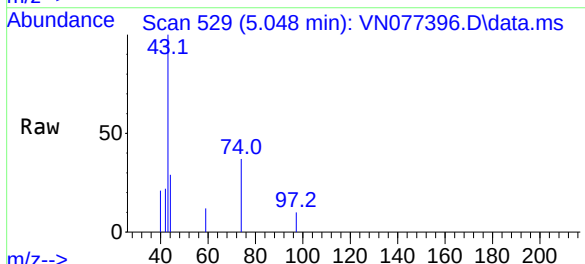
Instrument :
MSVOA_N
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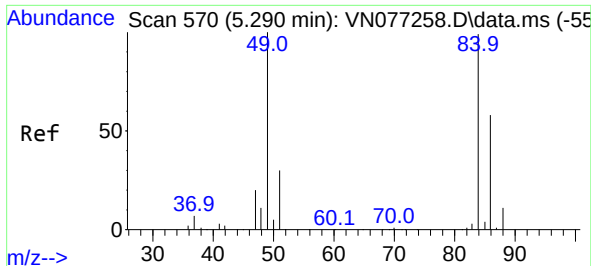
Tgt Ion: 43 Resp: 36470
Ion Ratio Lower Upper
43 100
58 26.6 29.0 43.6#



#18
Methyl Acetate
Concen: 0.982 ug/l
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 43 Resp: 10609
Ion Ratio Lower Upper
43 100
74 26.8 23.4 35.2



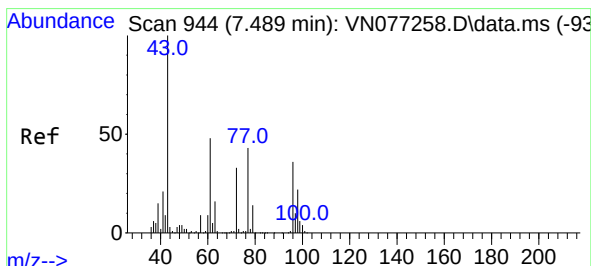
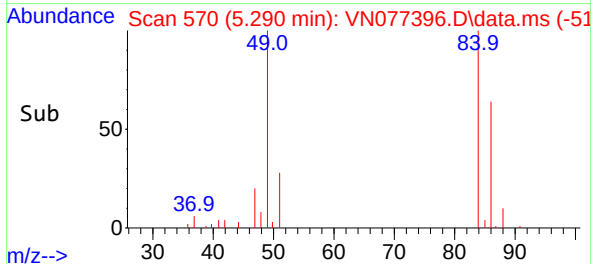
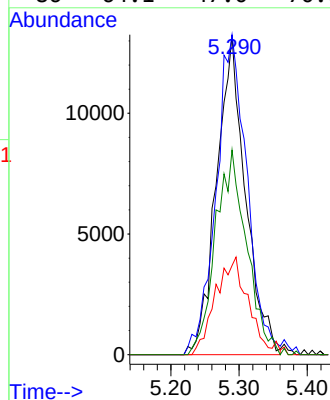
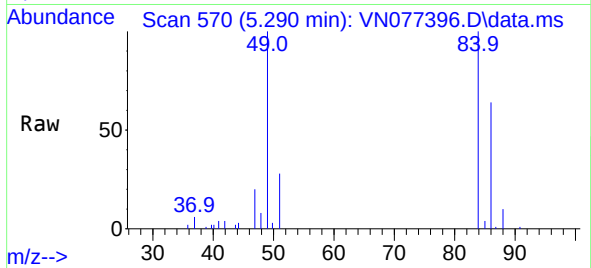


#20
Methylene Chloride
Concen: 4.867 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

Tgt Ion: 84 Resp: 38975

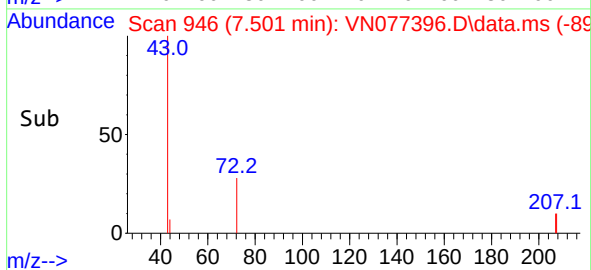
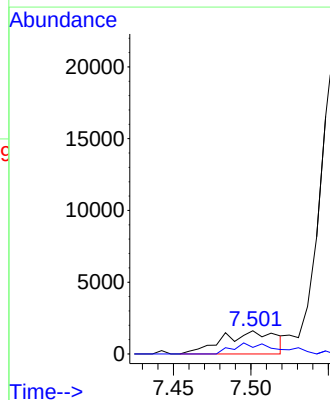
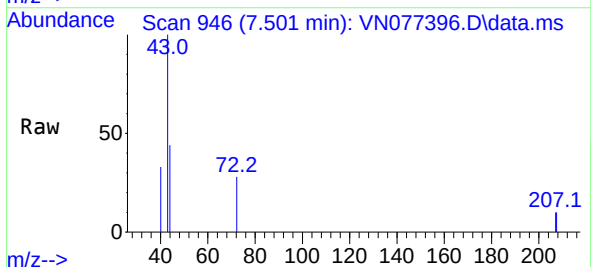
Ion	Ratio	Lower	Upper
84	100		
49	100.1	80.6	121.0
51	27.9	24.4	36.6
86	64.1	47.0	70.6

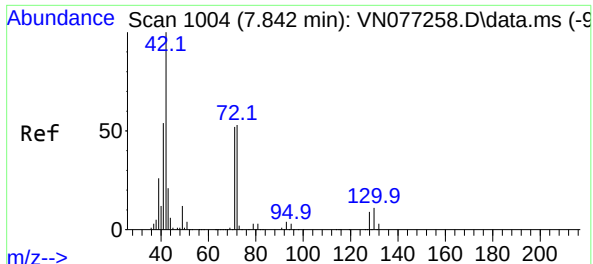


#25
2-Butanone
Concen: 0.838 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.012 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 43 Resp: 3856

Ion	Ratio	Lower	Upper
43	100		
72	28.4	26.6	39.8





#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 7.854 min Scan# 10

Delta R.T. 0.012 min

Lab File: VN077396.D

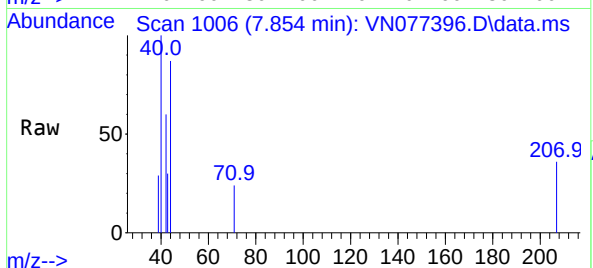
Acq: 20 Apr 2023 13:33

Instrument :

MSVOA_N

ClientSampleId :

NORTH-ST-&-BAY-AVE-INTERSECTION



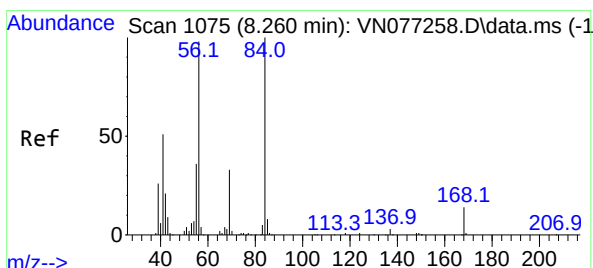
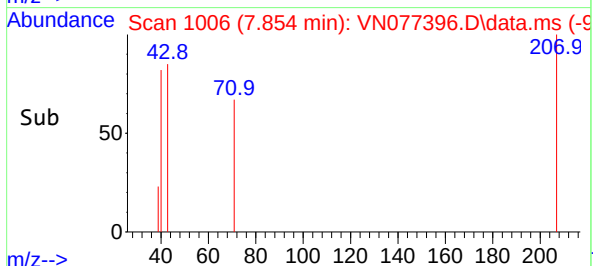
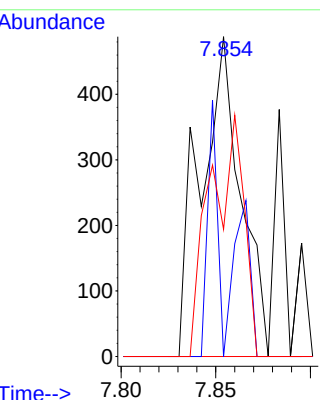
Tgt Ion: 42 Resp: 724

Ion Ratio Lower Upper

42 100

72 39.1 44.6 66.8#

71 62.3 41.3 61.9#



#31

Cyclohexane

Concen: 1.149 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.029 min

Lab File: VN077396.D

Acq: 20 Apr 2023 13:33

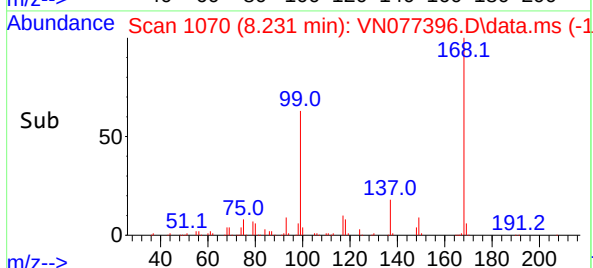
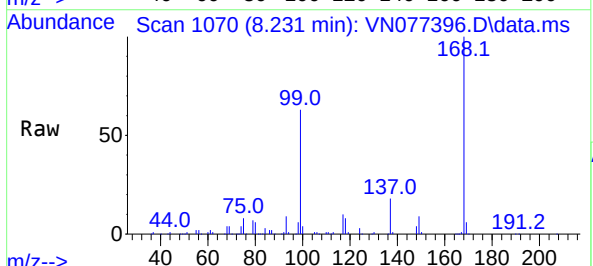
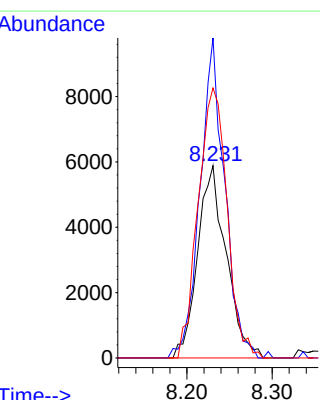
Tgt Ion: 56 Resp: 13727

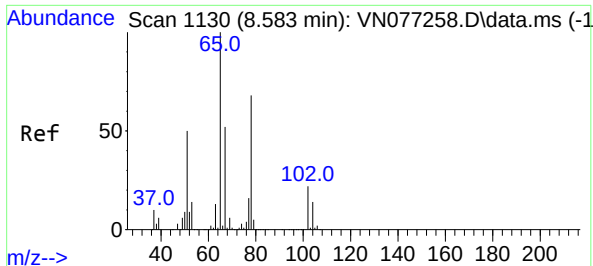
Ion Ratio Lower Upper

56 100

69 166.4 26.6 40.0#

84 140.3 81.8 122.8#

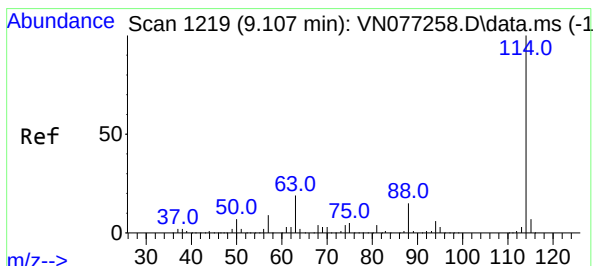
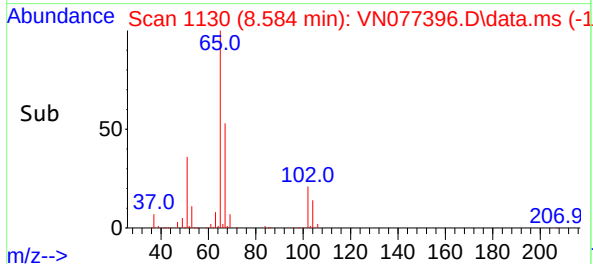
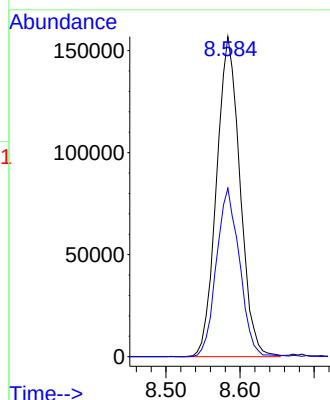
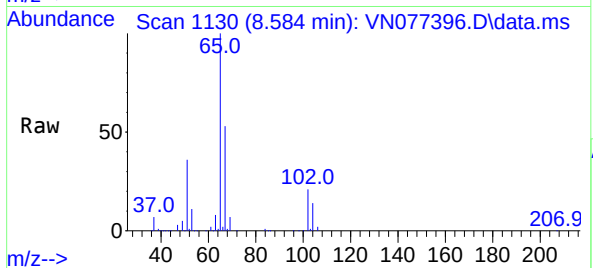




#33
1,2-Dichloroethane-d4
Concen: 44.832 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. 0.001 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

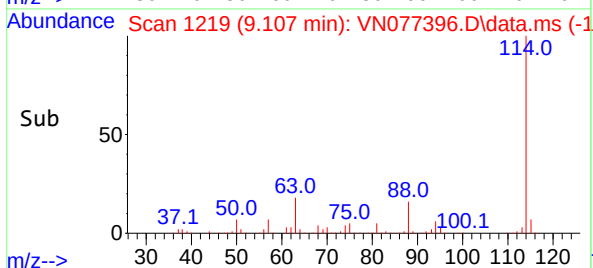
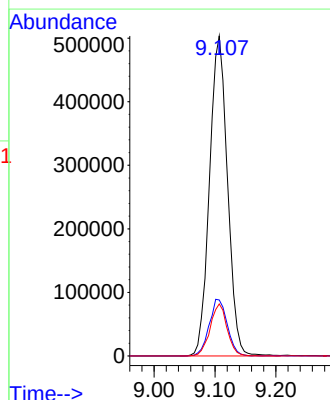
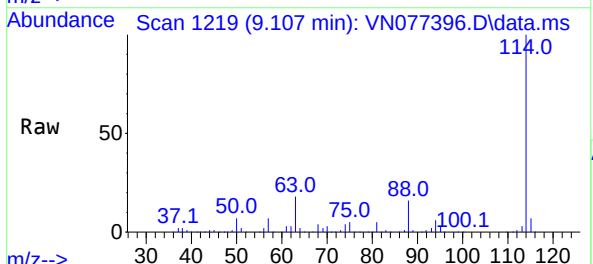
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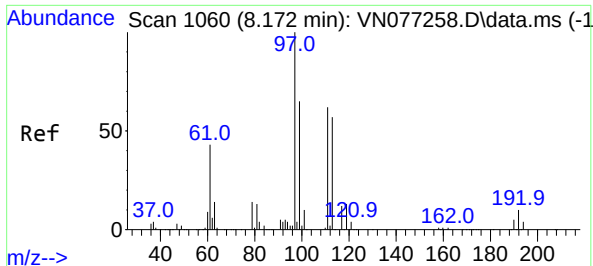
Tgt Ion: 65 Resp: 344803
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 114 Resp: 1032563
Ion Ratio Lower Upper
114 100
63 17.5 0.0 37.8
88 16.2 0.0 29.4

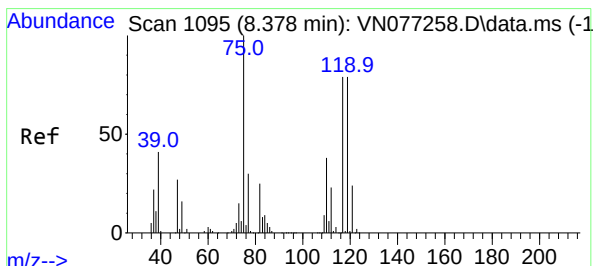
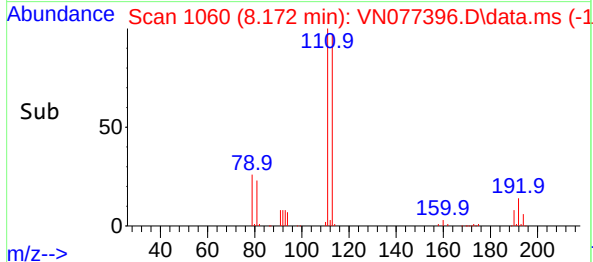
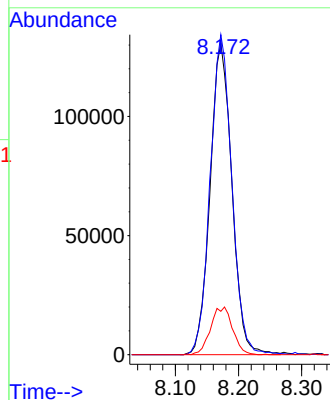
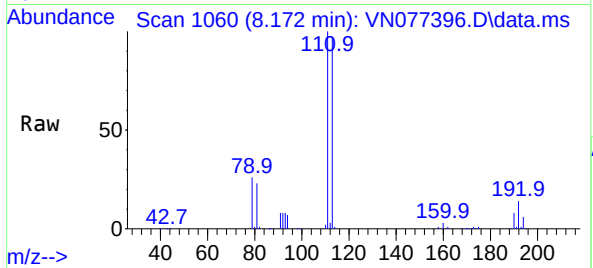




#35
Dibromofluoromethane
Concen: 47.396 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

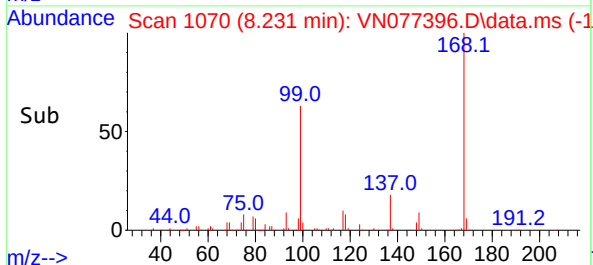
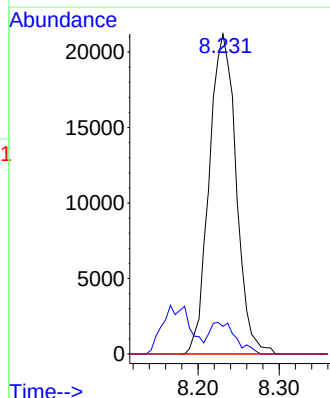
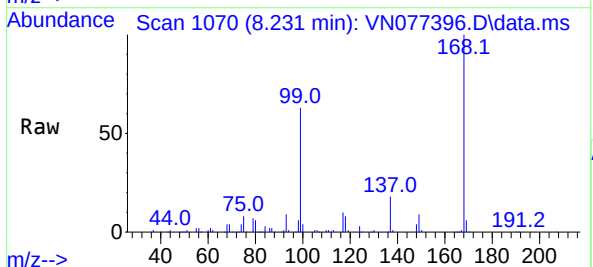
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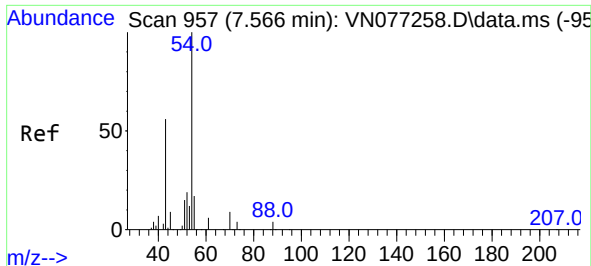
Tgt Ion:113 Resp: 313295
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.0
192 15.5 13.5 20.3



#36
1,1-Dichloropropene
Concen: 5.006 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 75 Resp: 48943
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 25.0 37.4#

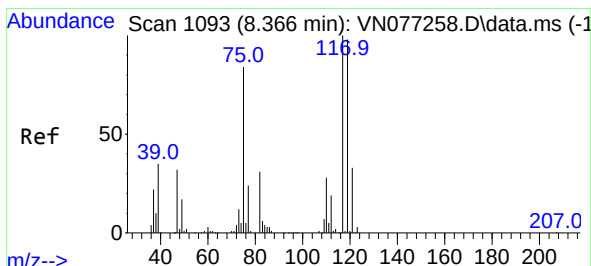
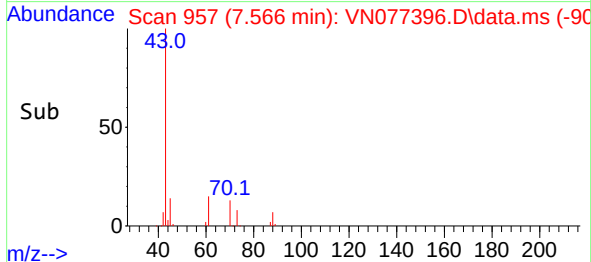
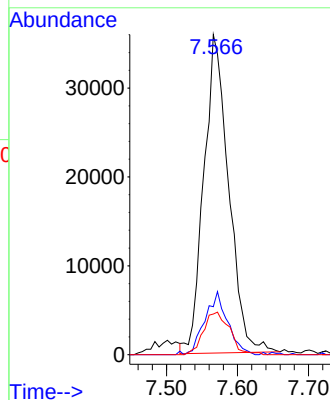
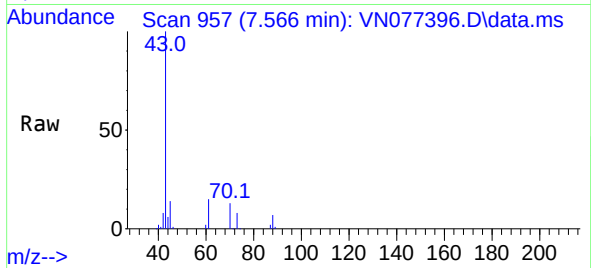




#37
Ethyl Acetate
Concen: 9.982 ug/l
RT: 7.566 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

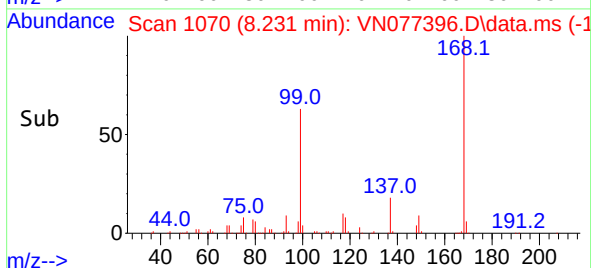
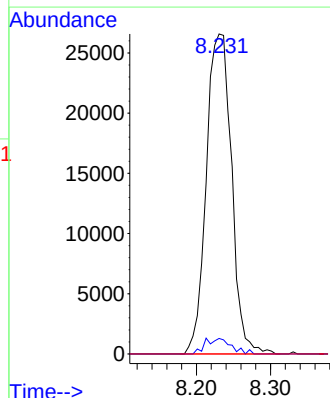
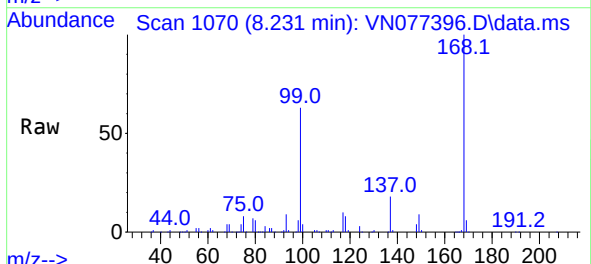
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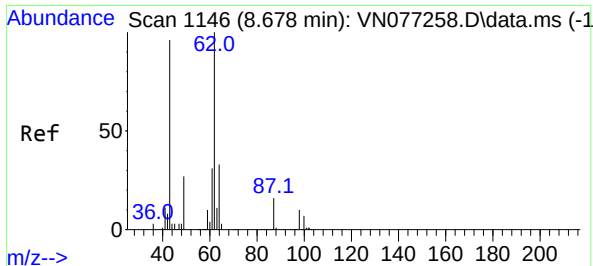
Tgt Ion: 43 Resp: 87315
Ion Ratio Lower Upper
43 100
61 18.1 12.2 18.2
70 14.1 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.278 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 117 Resp: 62882
Ion Ratio Lower Upper
117 100
119 4.9 78.5 117.7#
121 0.0 26.6 40.0#





#42

1,2-Dichloroethane

Concen: 0.277 ug/l

RT: 8.684 min Scan# 1146

Delta R.T. 0.005 min

Lab File: VN077396.D

Acq: 20 Apr 2023 13:33

Instrument :

MSVOA_N

ClientSampleId :

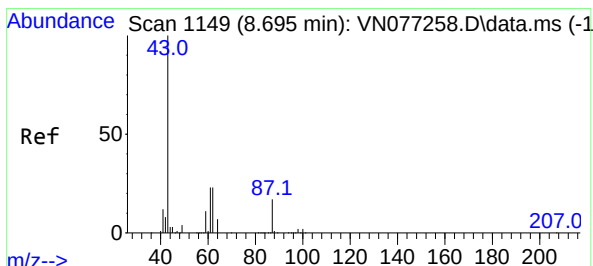
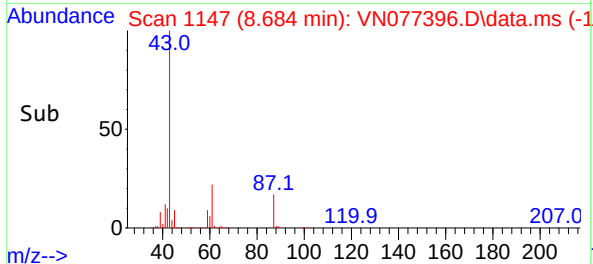
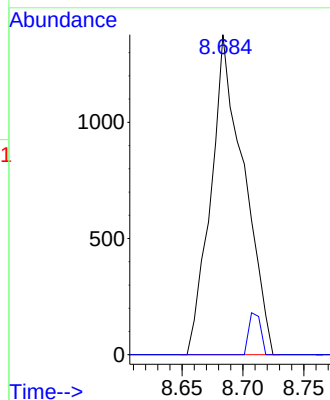
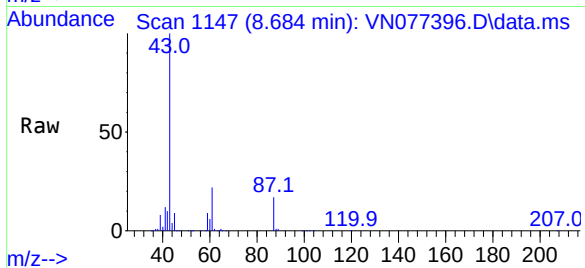
NORTH-ST-&-BAY-AVE-INTERSECTION

Tgt Ion: 62 Resp: 2596

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#43

Isopropyl Acetate

Concen: 25.812 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077396.D

Acq: 20 Apr 2023 13:33

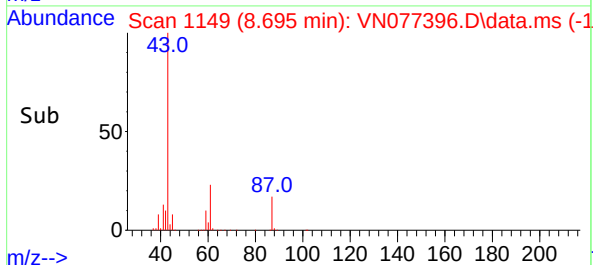
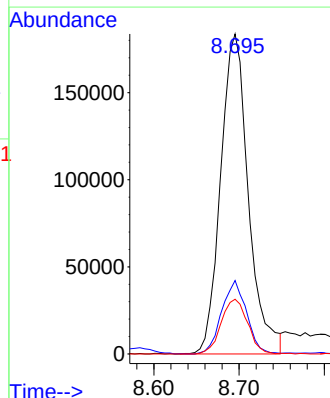
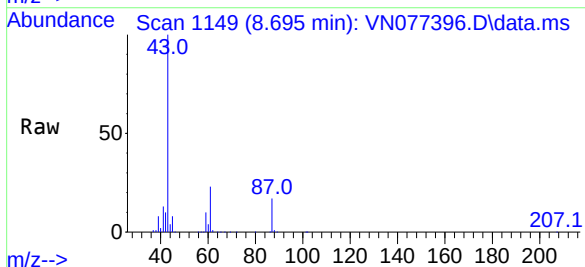
Tgt Ion: 43 Resp: 416622

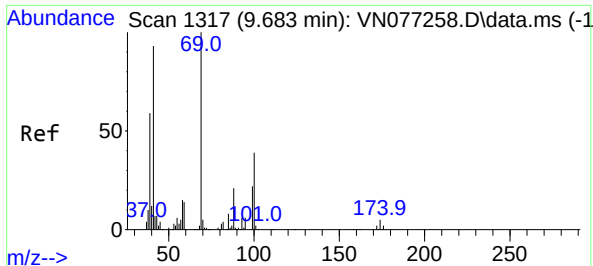
Ion Ratio Lower Upper

43 100

61 20.6 22.7 34.1#

87 16.4 13.6 20.4

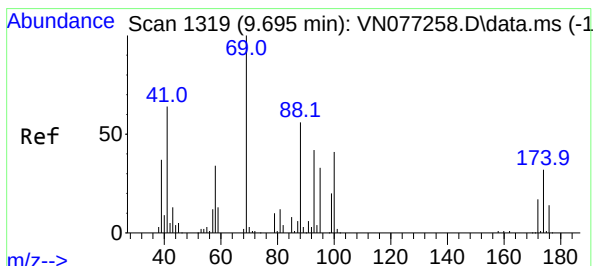
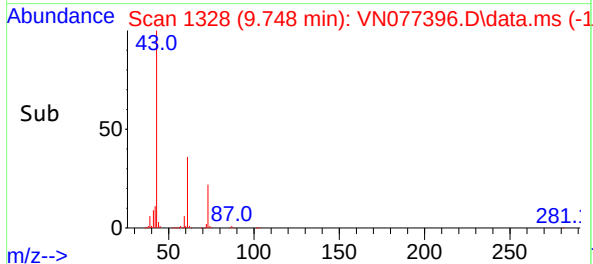
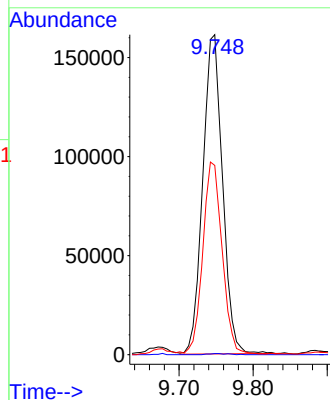
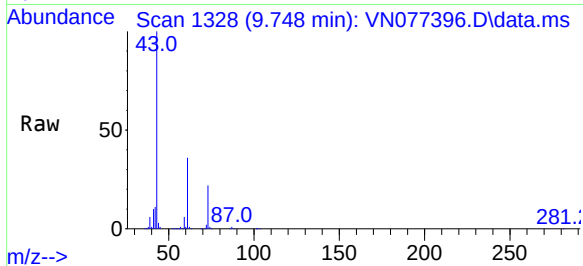




#48
Methyl methacrylate
Concen: 43.331 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

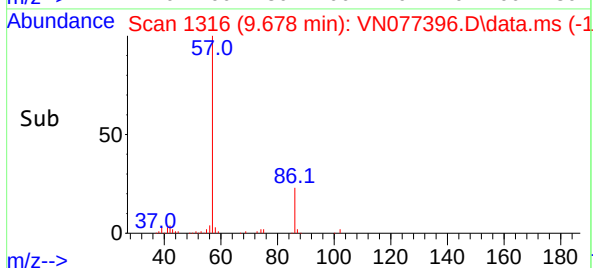
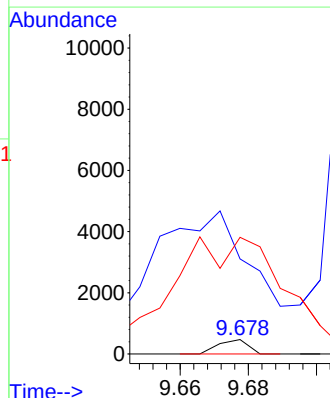
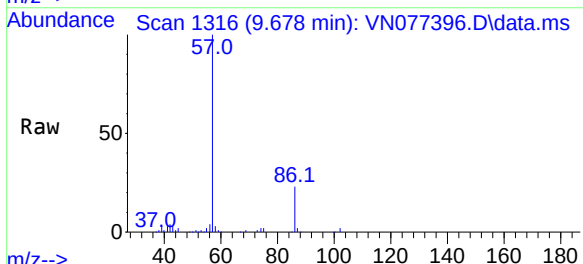
Instrument :
MSVOA_N
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

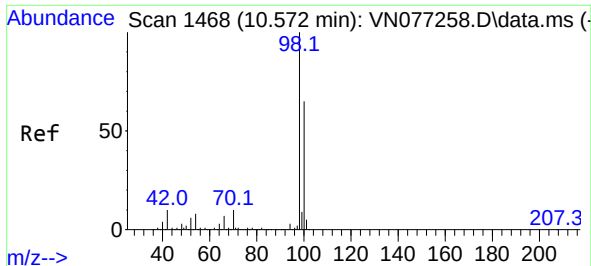
Tgt Ion: 41 Resp: 298350
Ion Ratio Lower Upper
41 100
69 0.4 85.0 127.6#
39 59.0 53.5 80.3



#49
1,4-Dioxane
Concen: 1.707 ug/l
RT: 9.678 min Scan# 1316
Delta R.T. -0.017 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 88 Resp: 285
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3106.7 49.8 74.6#

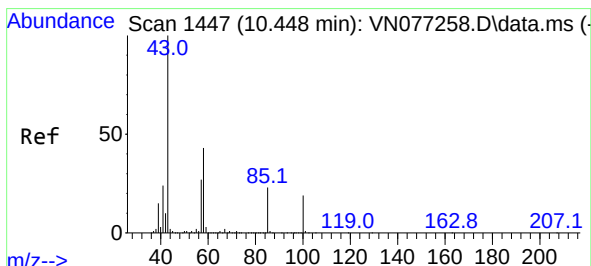
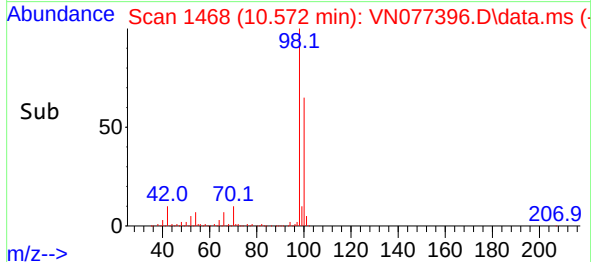
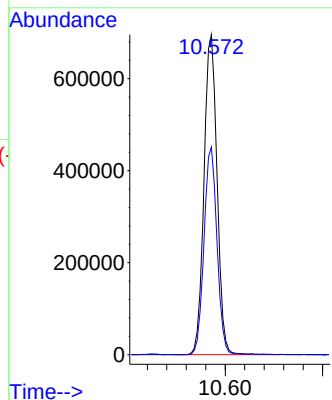
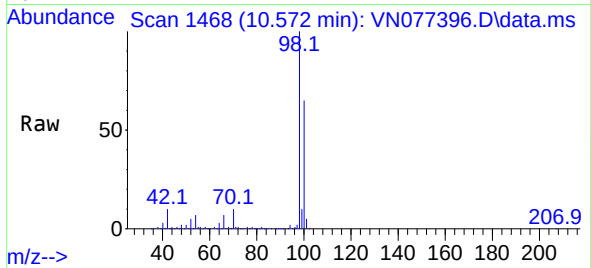




#50
Toluene-d8
Concen: 48.667 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

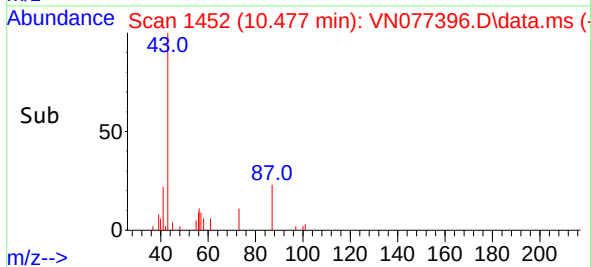
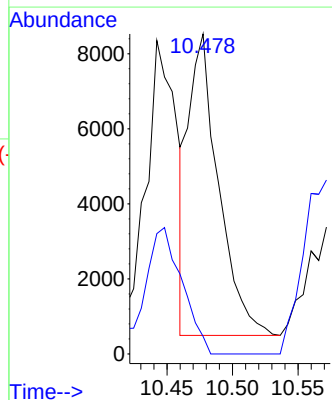
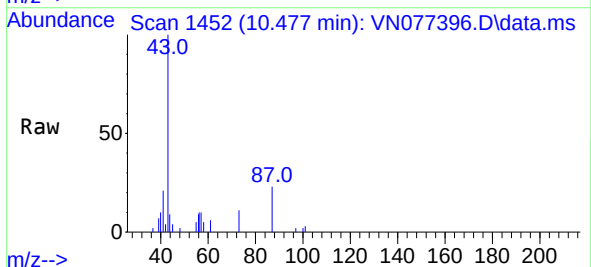
Instrument : MSVOA_N
ClientSampleId : NORTH-ST-&-BAY-AVE-INTERSECTION

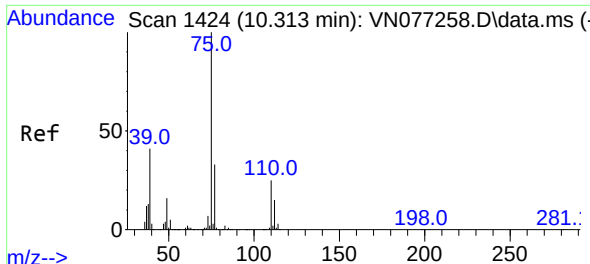
Tgt Ion: 98 Resp: 1295039
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.374 ug/l
RT: 10.477 min Scan# 1452
Delta R.T. 0.029 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

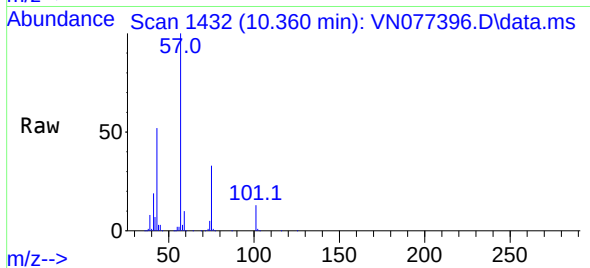
Tgt Ion: 43 Resp: 12823
Ion Ratio Lower Upper
43 100
58 0.0 34.6 52.0#



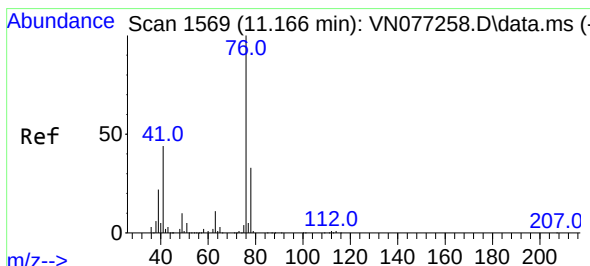
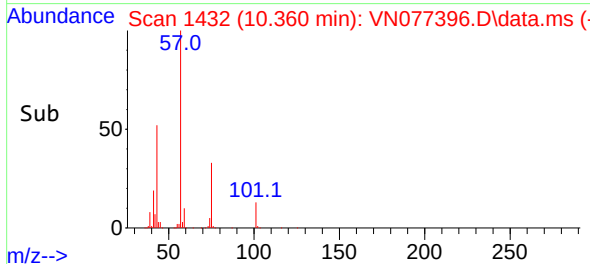
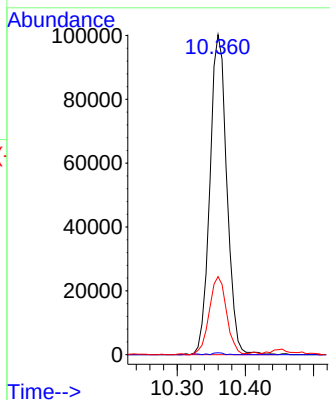


#54
cis-1,3-Dichloropropene
Concen: 13.760 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Instrument :
MSVOA_N
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

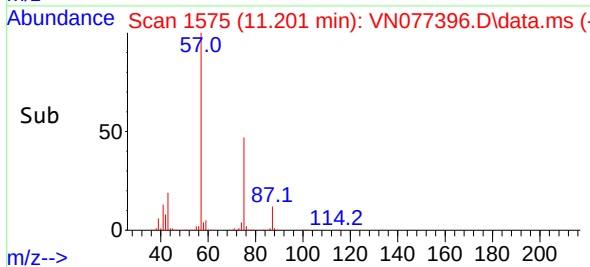
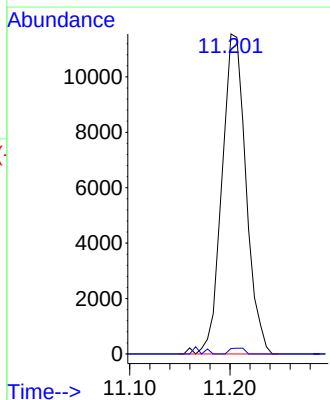
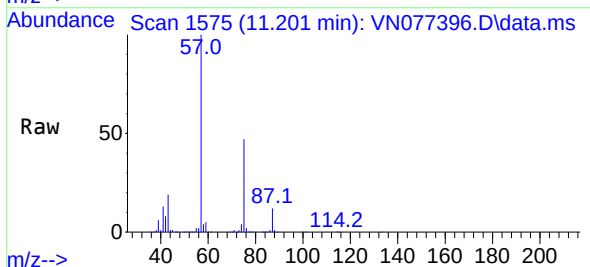


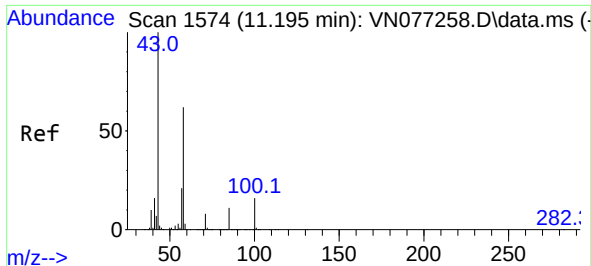
Tgt Ion: 75 Resp: 173579
Ion Ratio Lower Upper
75 100
77 0.6 26.7 40.1#
39 24.2 32.8 49.2#



#57
1,3-Dichloropropane
Concen: 1.486 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 76 Resp: 19229
Ion Ratio Lower Upper
76 100
78 1.1 26.2 39.4#

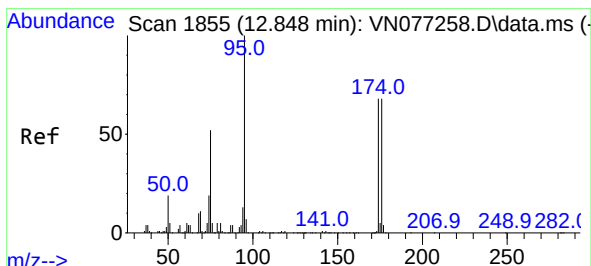
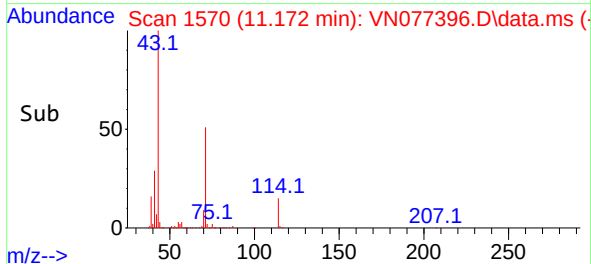
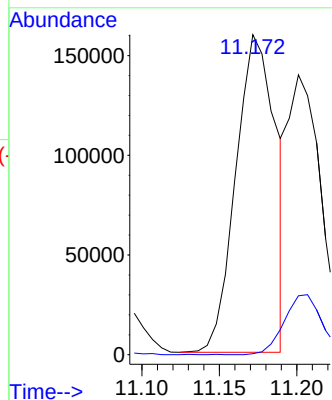
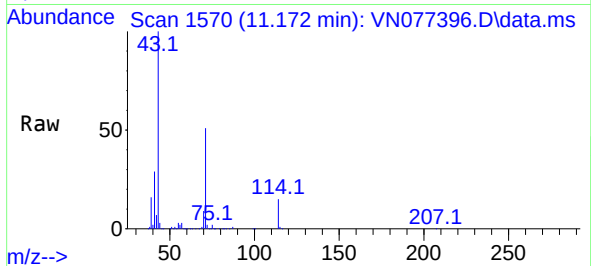




#59
2-Hexanone
Concen: 41.048 ug/l
RT: 11.172 min Scan# 11172
Delta R.T. -0.023 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

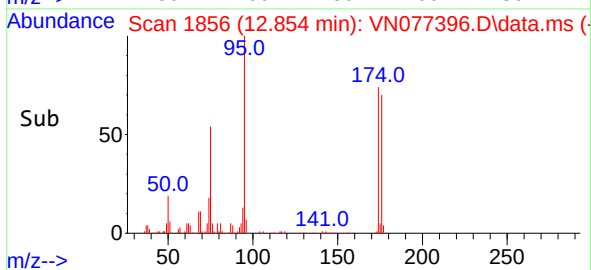
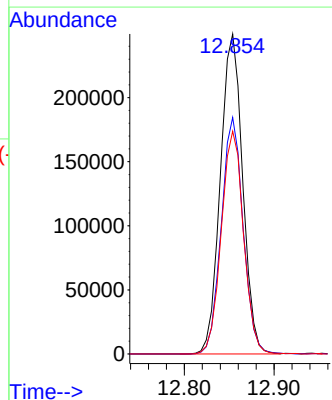
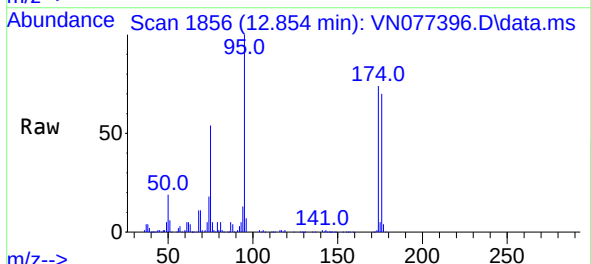
Instrument :
MSVOA_N
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

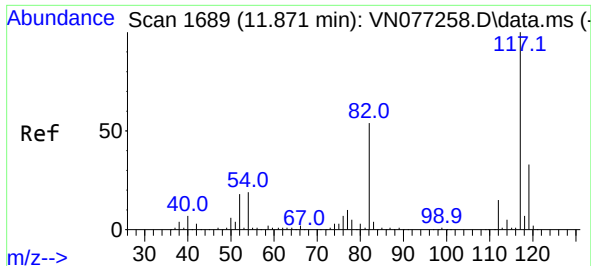
Tgt Ion: 43 Resp: 285304
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.5#



#62
4-Bromofluorobenzene
Concen: 48.509 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 95 Resp: 429314
Ion Ratio Lower Upper
95 100
174 72.6 0.0 146.8
176 69.6 0.0 139.6

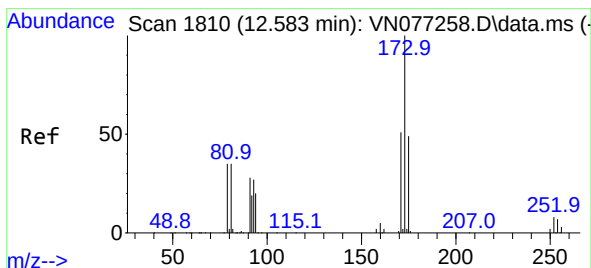
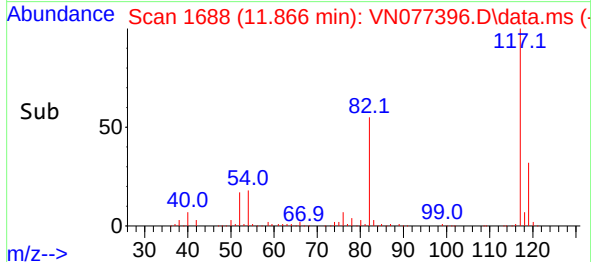
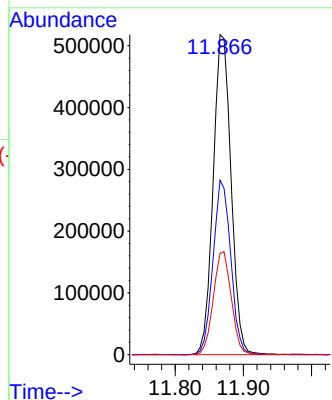
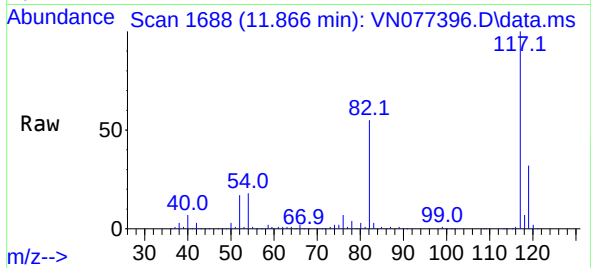




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.005 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

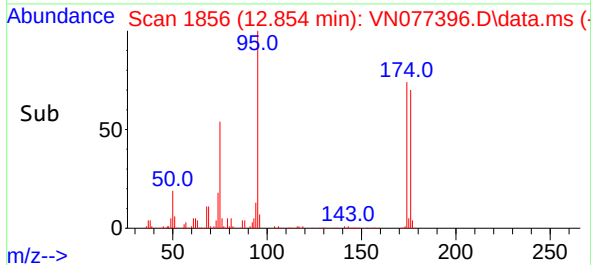
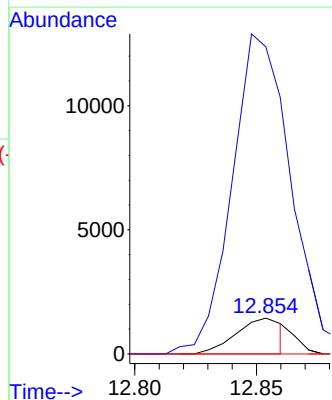
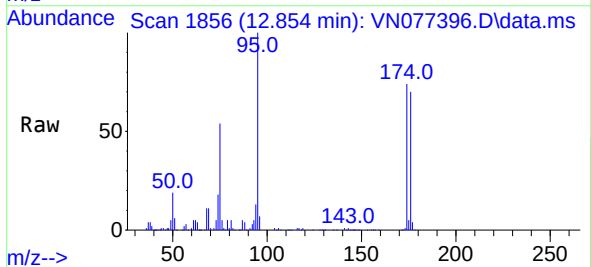
Instrument :
MSVOA_N
ClientSampleId :
NORTH-ST-&-BAY-AVE-INTERSECTION

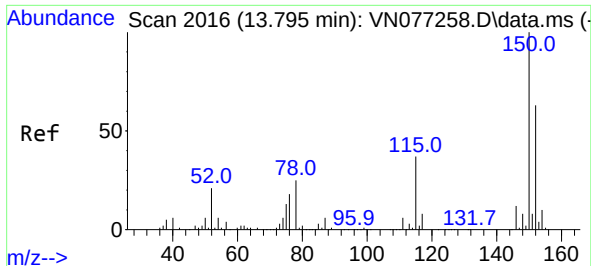
Tgt Ion:117 Resp: 947916
Ion Ratio Lower Upper
117 100
82 54.5 42.9 64.3
119 31.7 26.2 39.4



#71
Bromoform
Concen: 0.341 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion:173 Resp: 1895
Ion Ratio Lower Upper
173 100
175 940.3 24.1 72.4#
254 0.0 0.1 0.1#

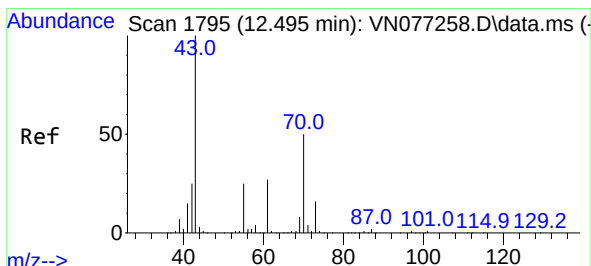
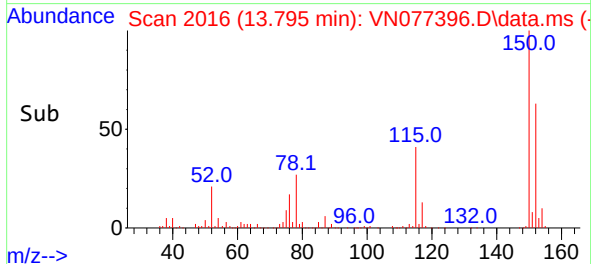
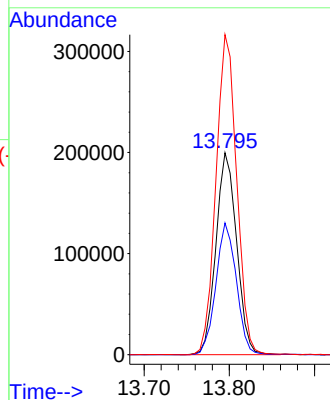
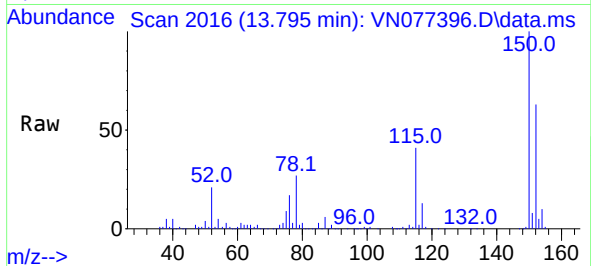




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

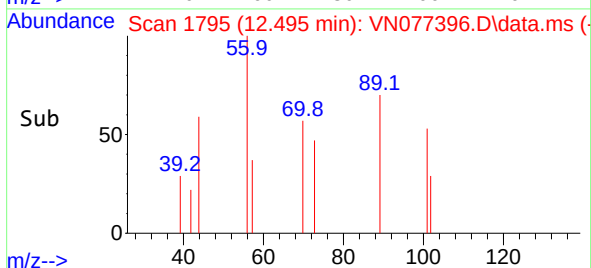
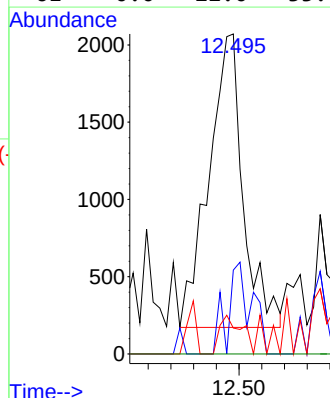
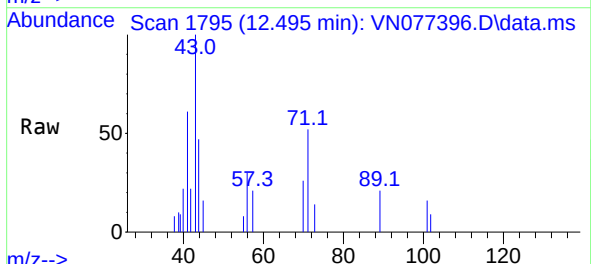
Instrument : MSVOA_N
ClientSampleId : NORTH-ST-&-BAY-AVE-INTERSECTION

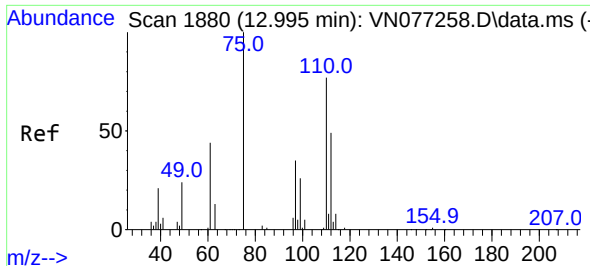
Tgt Ion:152 Resp: 338028
Ion Ratio Lower Upper
152 100
115 64.4 32.1 96.3
150 158.5 0.0 354.8



#74
N-ethyl acetate
Concen: 0.321 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 43 Resp: 3994
Ion Ratio Lower Upper
43 100
70 21.6 41.0 61.6#
55 8.4 19.3 28.9#
61 0.0 22.0 33.0#

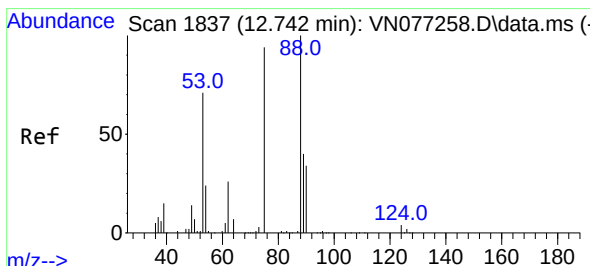
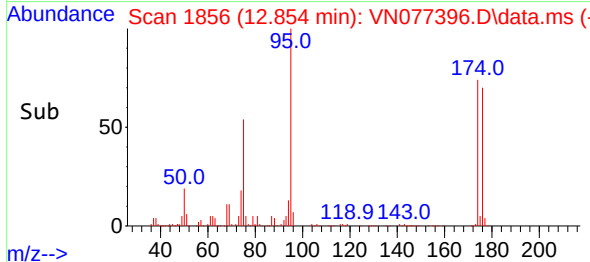
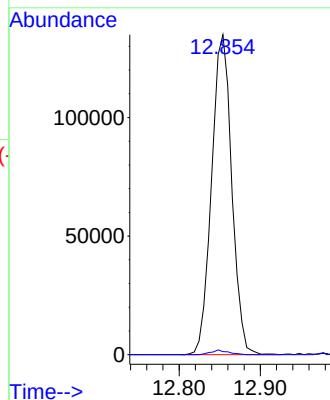
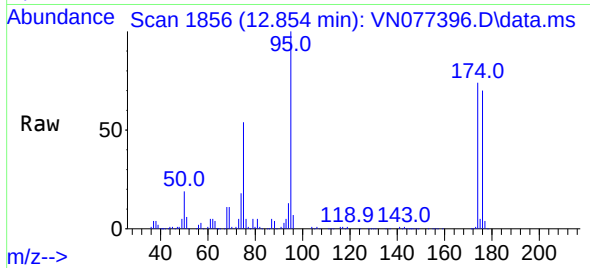




#76
1,2,3-Trichloropropane
Concen: 28.900 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Instrument : MSVOA_N
ClientSampleId : NORTH-ST-&-BAY-AVE-INTERSECTION

Tgt Ion: 75 Resp: 232624
Ion Ratio Lower Upper
75 100
77 1.3 88.3 264.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.034 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077396.D
Acq: 20 Apr 2023 13:33

Tgt Ion: 75 Resp: 232624
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.0 37.4 56.2#

