

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042023\
 Data File : VN077404.D
 Acq On : 20 Apr 2023 16:46
 Operator : JC\MD
 Sample : 02390-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-1WC-23-04-17

Quant Time: Apr 21 02:40:49 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)

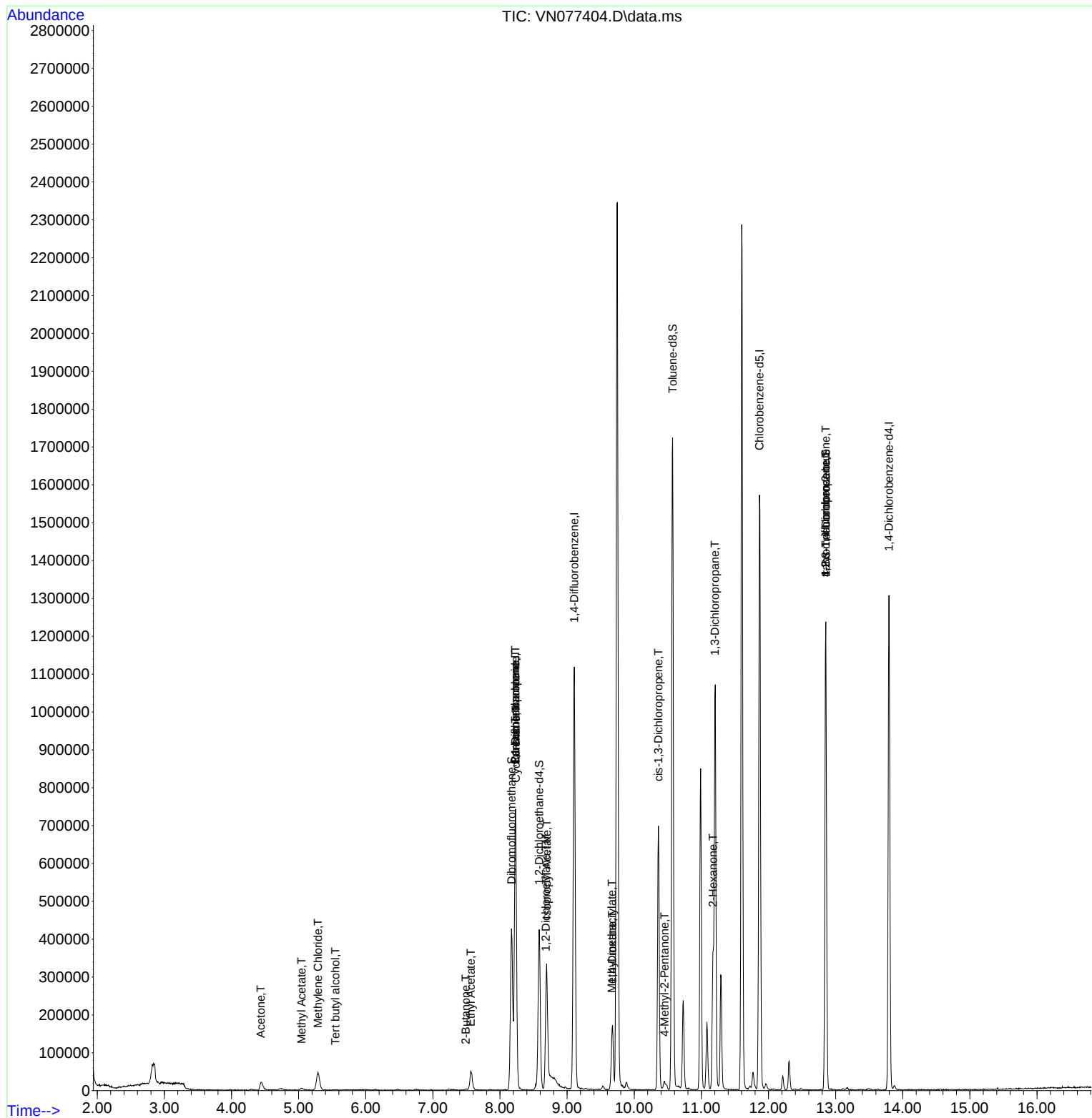
Internal Standards						
1) Pentafluorobenzene	8.231	168	537827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1023565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	976272	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	353052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	332027	45.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.340%		
35) Dibromofluoromethane	8.172	113	305630	46.643	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.280%		
50) Toluene-d8	10.572	98	1259821	47.760	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.520%		
62) 4-Bromofluorobenzene	12.854	95	423446	48.266	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.540%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.548	59	461	0.307	ug/l #	72
16) Acetone	4.437	43	41566	15.337	ug/l	93
18) Methyl Acetate	5.043	43	8897	0.862	ug/l	95
20) Methylene Chloride	5.290	84	40827	5.334	ug/l	100
25) 2-Butanone	7.489	43	3151	0.716	ug/l #	64
31) Cyclohexane	8.236	56	12228	1.071	ug/l #	21
36) 1,1-Dichloropropene	8.231	75	44853	4.628	ug/l #	49
37) Ethyl Acetate	7.566	43	73141	8.435	ug/l #	94
38) Carbon Tetrachloride	8.231	117	59341	5.977	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	2667	0.287	ug/l #	73
43) Isopropyl Acetate	8.695	43	394032	24.627	ug/l #	88
48) Methyl methacrylate	9.666	41	9340	1.368	ug/l #	35
49) 1,4-Dioxane	9.672	88	231	1.396	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	23304	2.520	ug/l #	75
54) cis-1,3-Dichloropropene	10.360	75	145701	11.651	ug/l #	62
57) 1,3-Dichloropropane	11.201	76	13037	1.016	ug/l #	42
59) 2-Hexanone	11.172	43	273619	39.713	ug/l #	20
76) 1,2,3-Trichloropropane	12.854	75	234568	27.901	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	234568	62.787	ug/l #	13

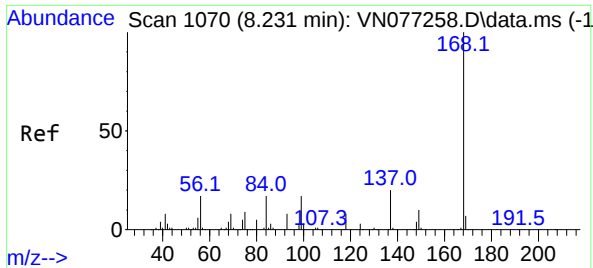
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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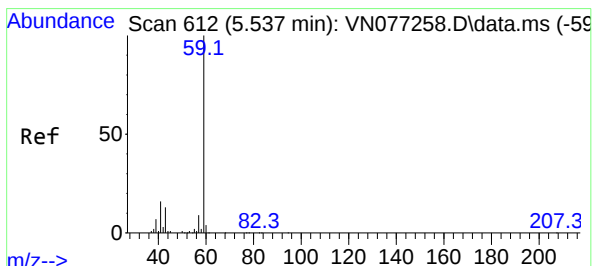
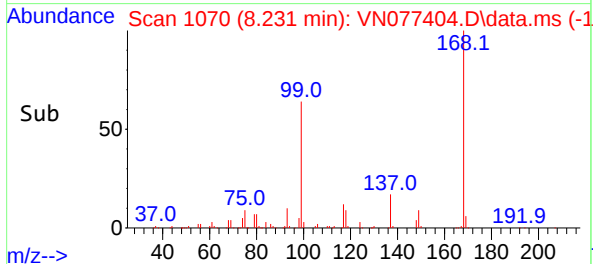
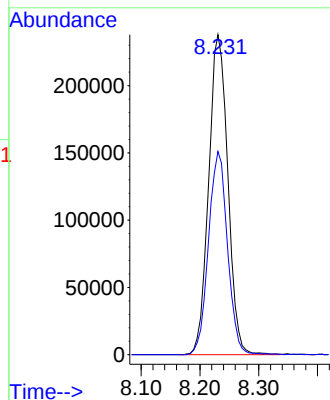
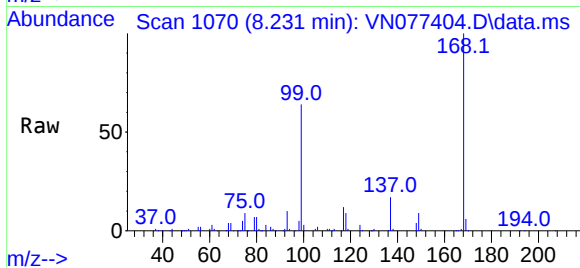




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

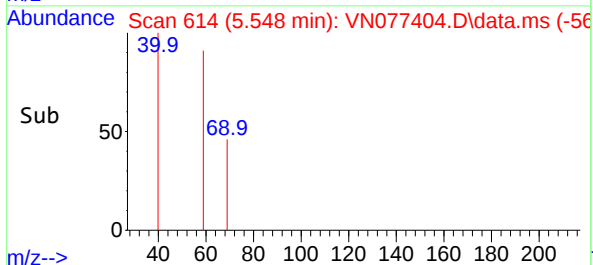
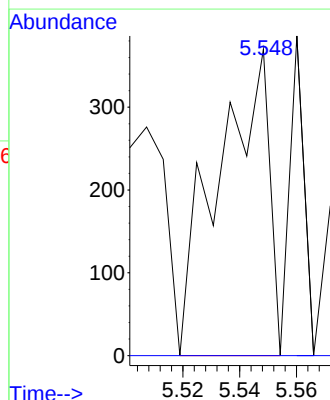
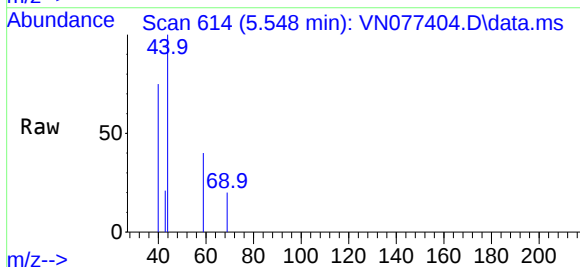
Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

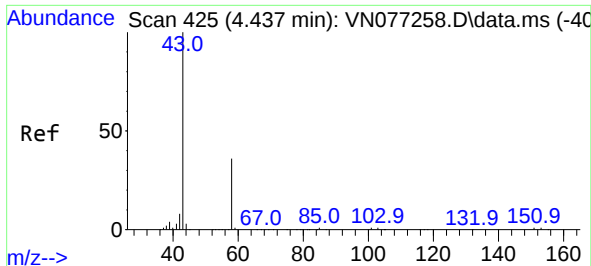
Tgt Ion:168 Resp: 537827
Ion Ratio Lower Upper
168 100
99 63.5 50.6 75.8



#11
Tert butyl alcohol
Concen: 0.307 ug/l
RT: 5.548 min Scan# 614
Delta R.T. 0.011 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

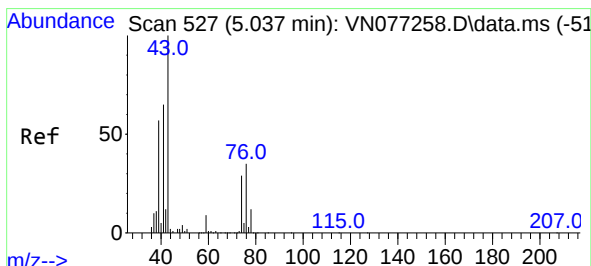
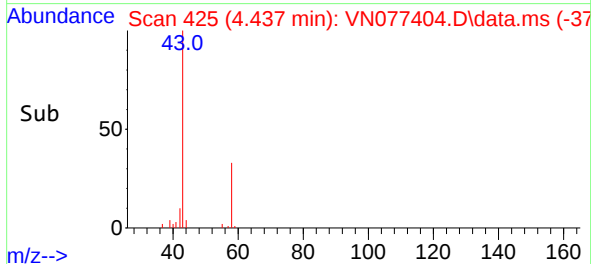
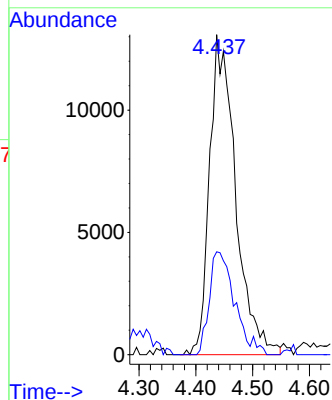
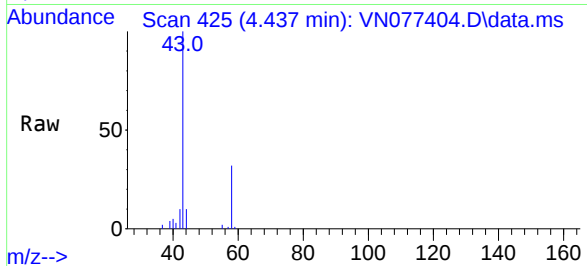




#16
Acetone
Concen: 15.337 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

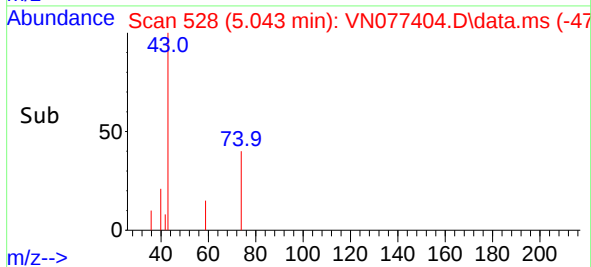
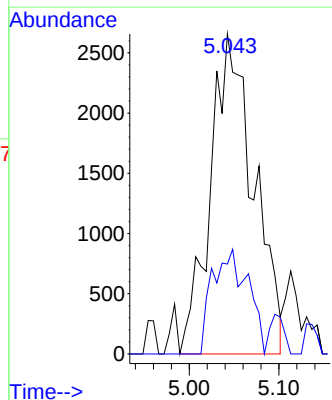
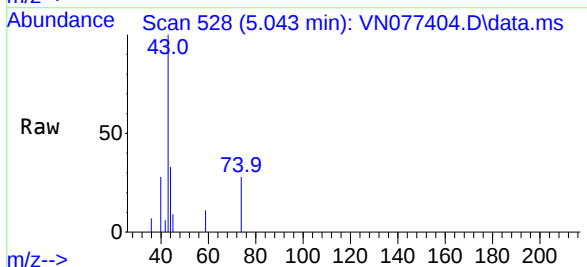
Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

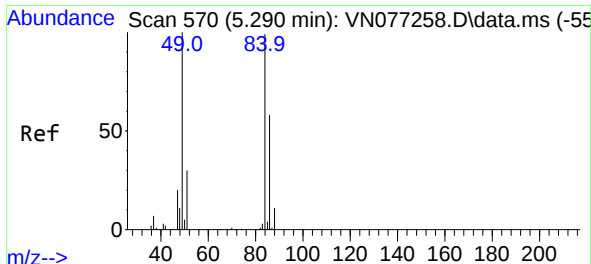
Tgt Ion: 43 Resp: 41566
Ion Ratio Lower Upper
43 100
58 32.2 29.0 43.6



#18
Methyl Acetate
Concen: 0.862 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

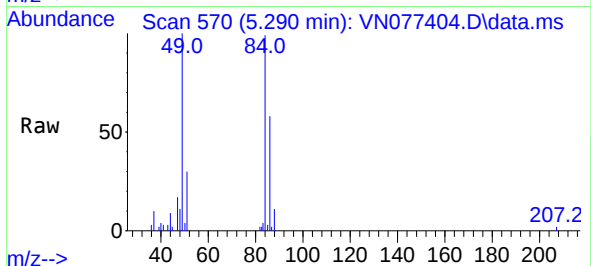
Tgt Ion: 43 Resp: 8897
Ion Ratio Lower Upper
43 100
74 26.8 23.4 35.2





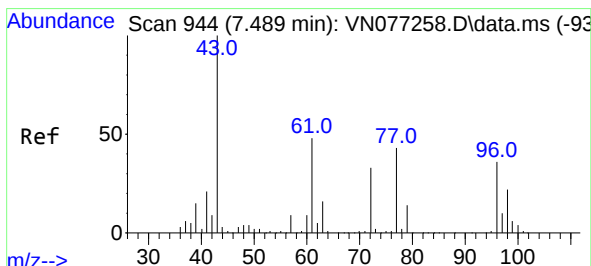
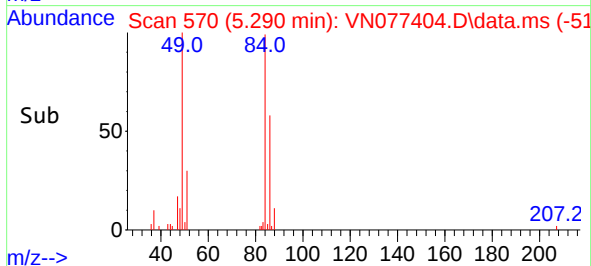
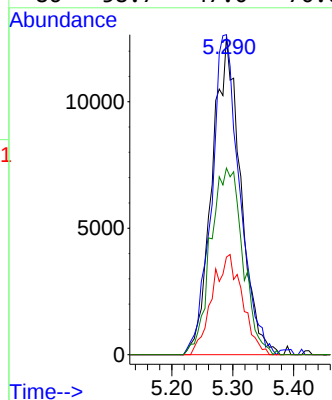
#20
Methylene Chloride
Concen: 5.334 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 84 Resp: 40827

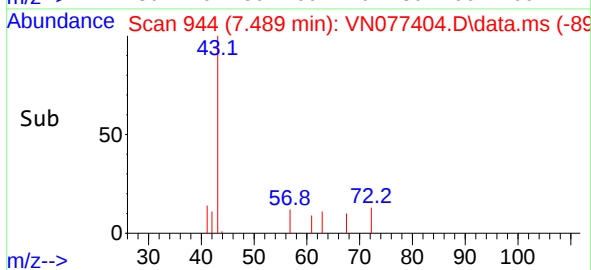
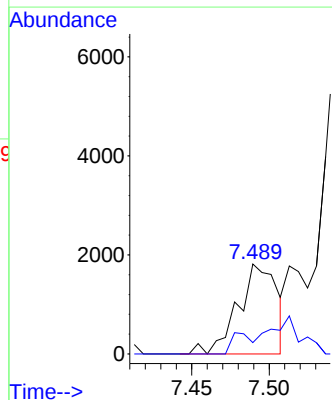
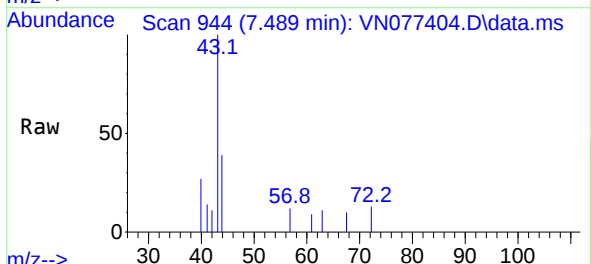
Ion	Ratio	Lower	Upper
84	100		
49	100.6	80.6	121.0
51	30.7	24.4	36.6
86	58.7	47.0	70.6

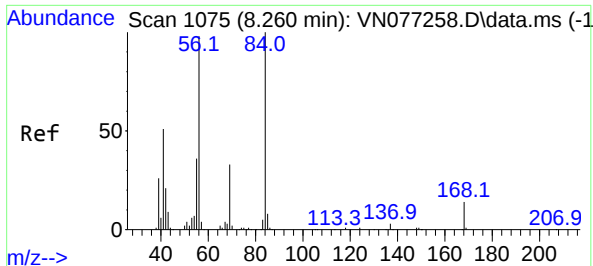


#25
2-Butanone
Concen: 0.716 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 43 Resp: 3151

Ion	Ratio	Lower	Upper
43	100		
72	12.6	26.6	39.8#

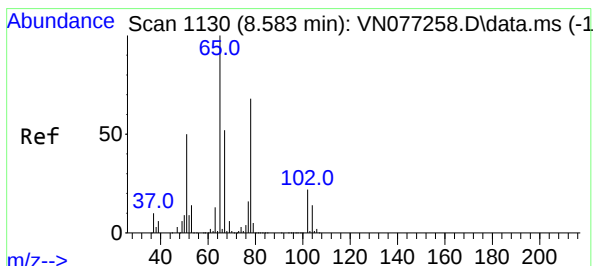
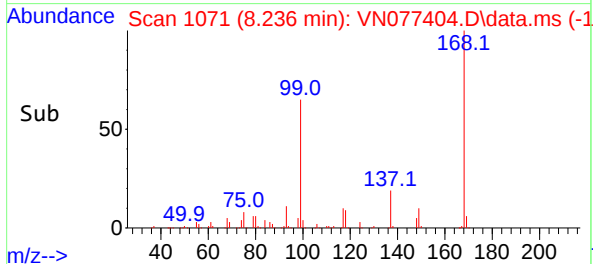
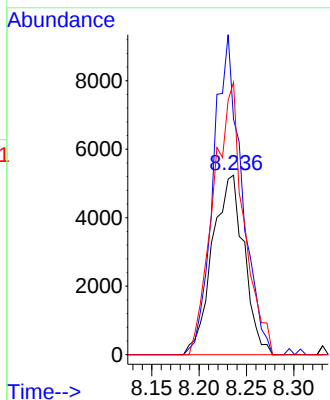
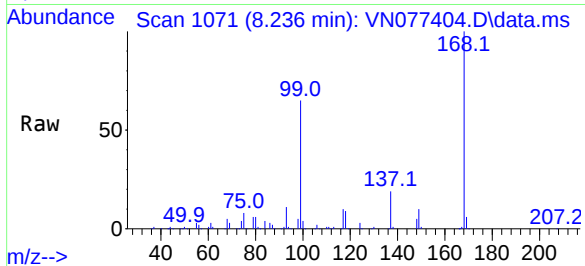




#31
Cyclohexane
Concen: 1.071 ug/l
RT: 8.236 min Scan# 1107
Delta R.T. -0.024 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

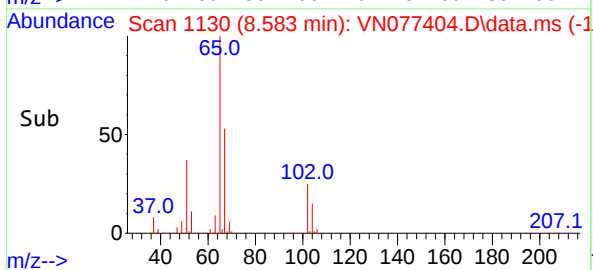
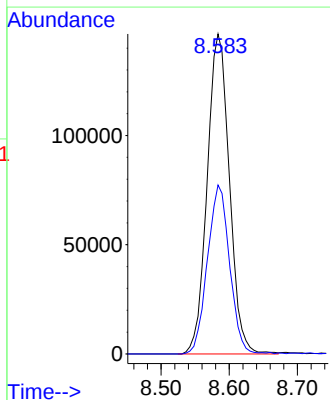
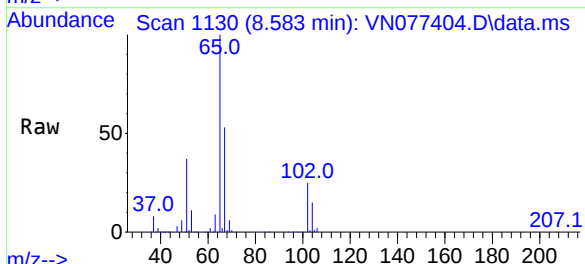
Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

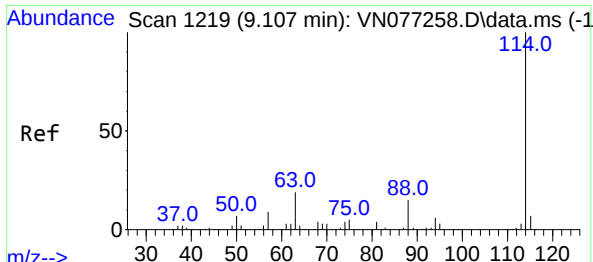
Tgt Ion: 56 Resp: 12228
Ion Ratio Lower Upper
56 100
69 131.2 26.6 40.0#
84 151.8 81.8 122.8#



#33
1,2-Dichloroethane-d4
Concen: 45.170 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 65 Resp: 332027
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.8

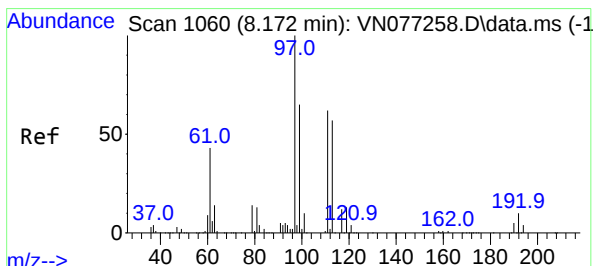
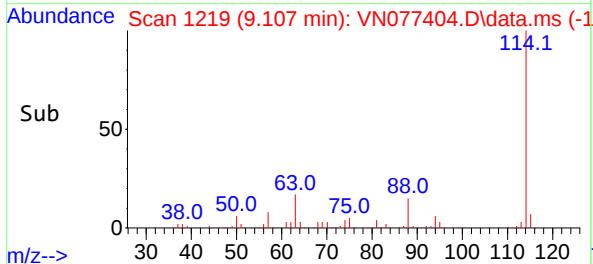
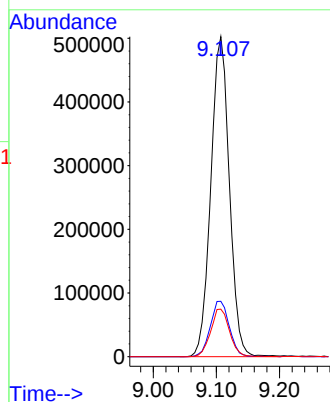
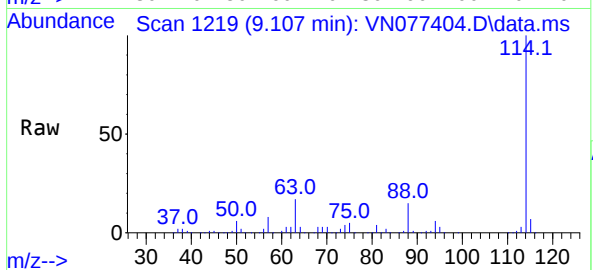




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

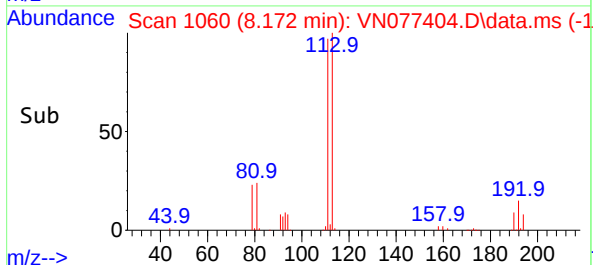
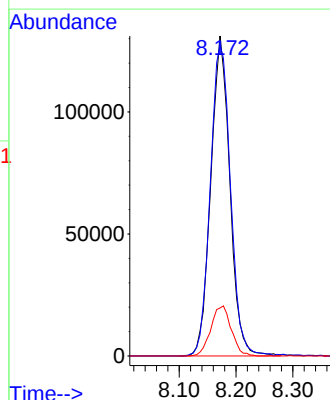
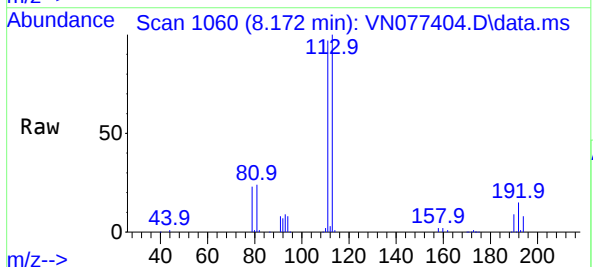
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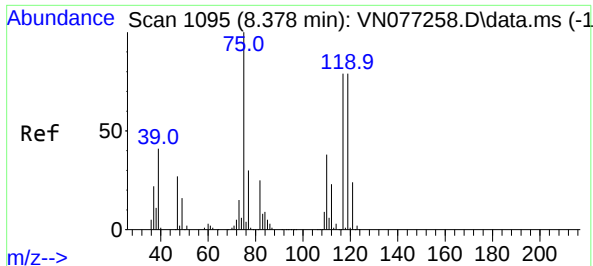
Tgt Ion:114 Resp: 1023565
Ion Ratio Lower Upper
114 100
63 17.3 0.0 37.8
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 46.643 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion:113 Resp: 305630
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.0
192 16.7 13.5 20.3

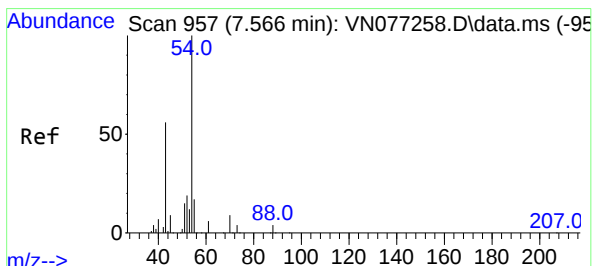
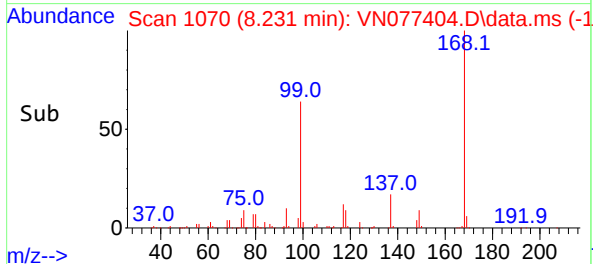
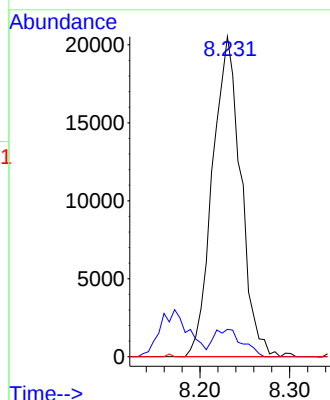
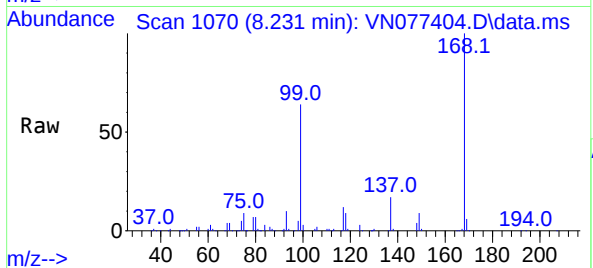




#36
1,1-Dichloropropene
Concen: 4.628 ug/l
RT: 8.231 min Scan# 1095
Delta R.T. -0.147 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

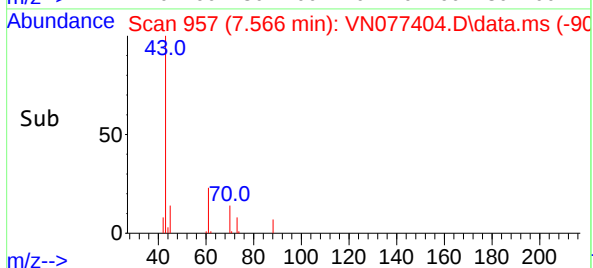
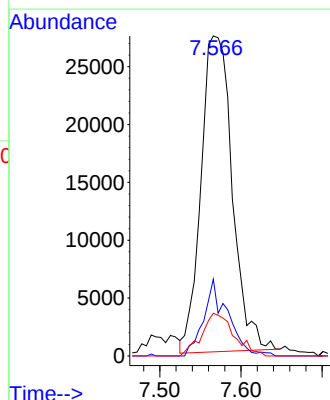
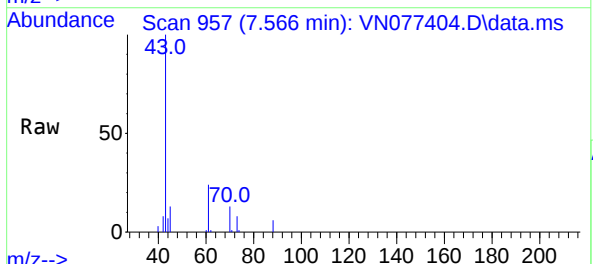
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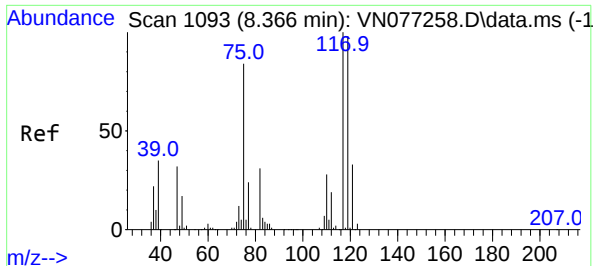
Tgt Ion: 75 Resp: 44853
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.435 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

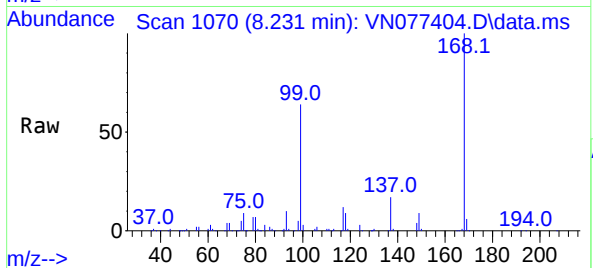
Tgt Ion: 43 Resp: 73141
Ion Ratio Lower Upper
43 100
61 18.4 12.2 18.2#
70 13.9 10.0 15.0



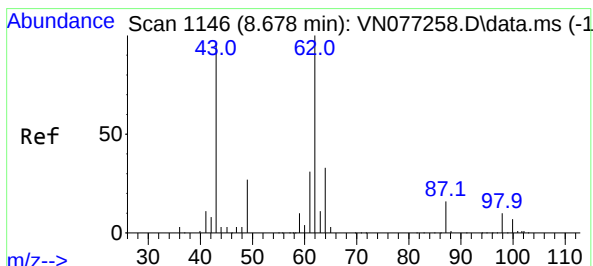
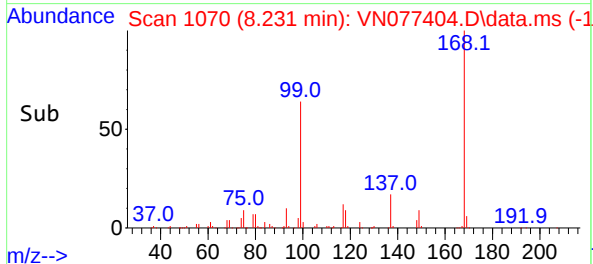
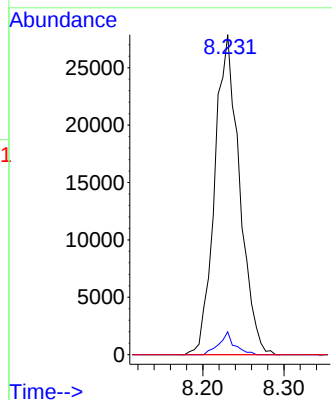


#38
Carbon Tetrachloride
Concen: 5.977 ug/l
RT: 8.231 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

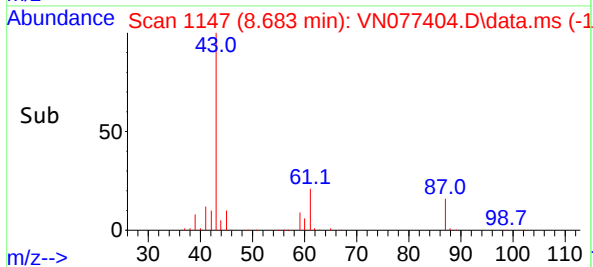
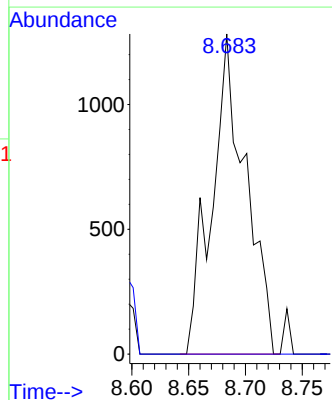
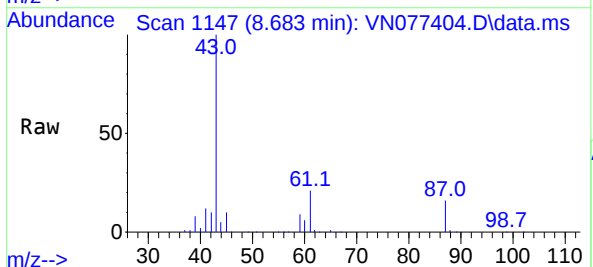


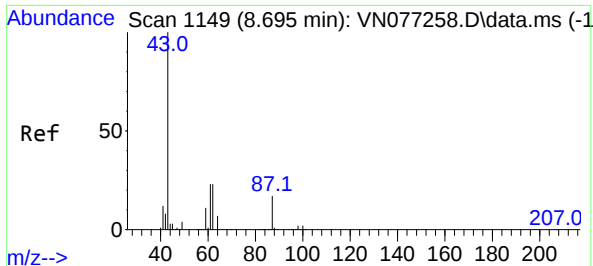
Tgt Ion: 117 Resp: 59341
Ion Ratio Lower Upper
117 100
119 7.1 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.287 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 62 Resp: 2667
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

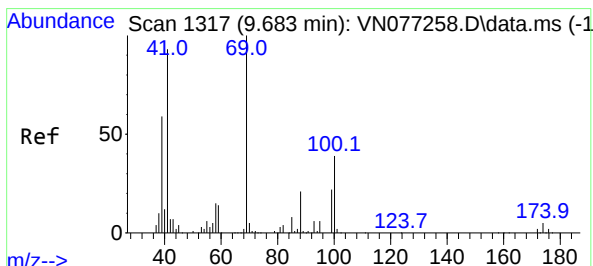
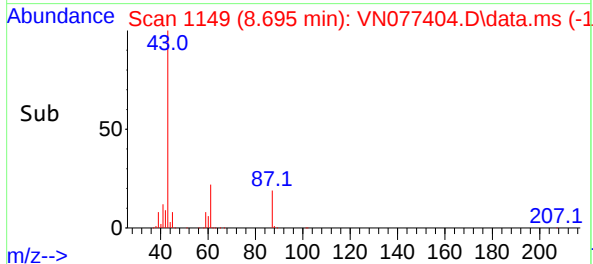
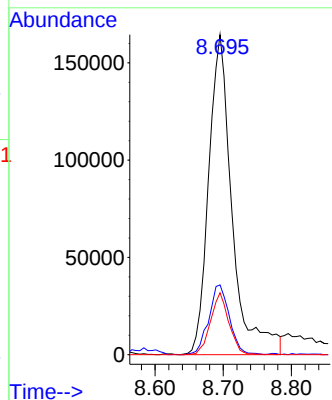
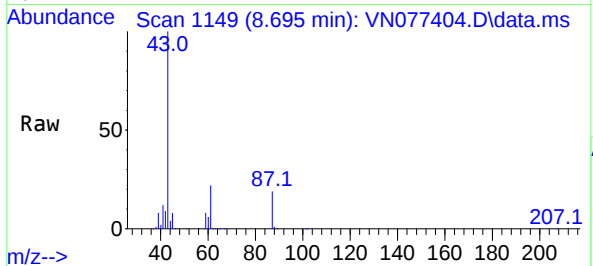




#43
Isopropyl Acetate
Concen: 24.627 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

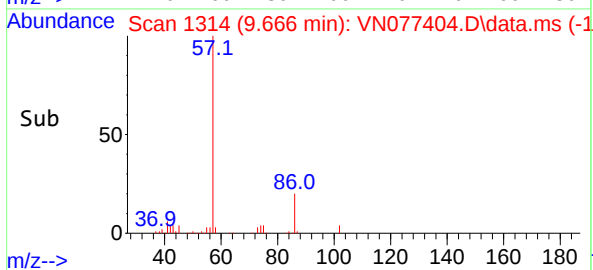
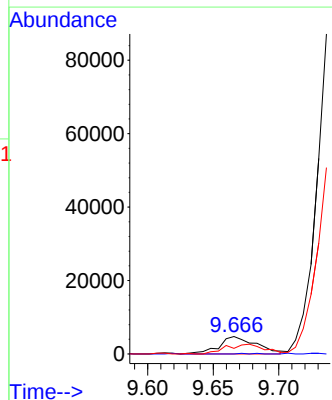
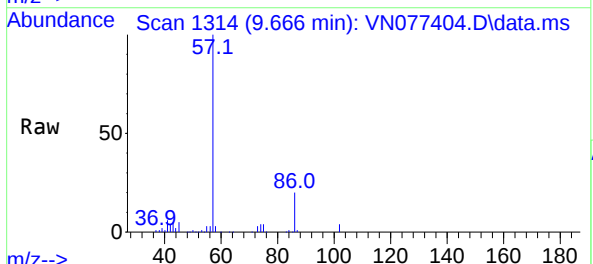
Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

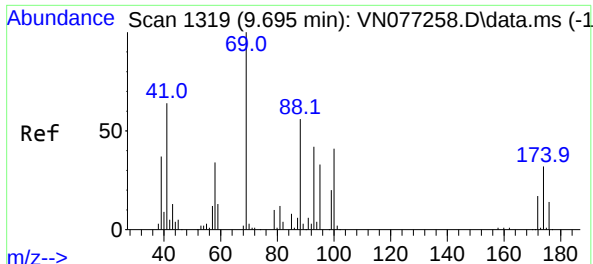
Tgt Ion: 43 Resp: 394032
Ion Ratio Lower Upper
43 100
61 19.3 22.7 34.1#
87 15.1 13.6 20.4



#48
Methyl methacrylate
Concen: 1.368 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.017 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 41 Resp: 9340
Ion Ratio Lower Upper
41 100
69 1.2 85.0 127.6#
39 60.2 53.5 80.3

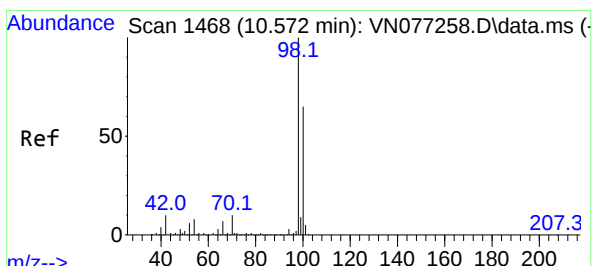
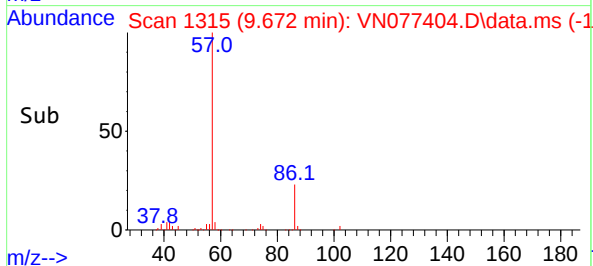
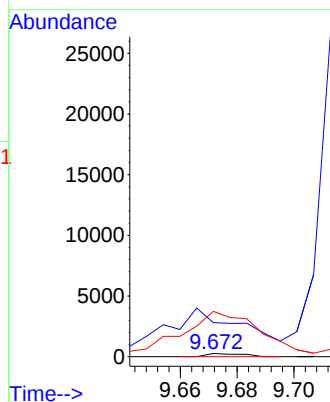
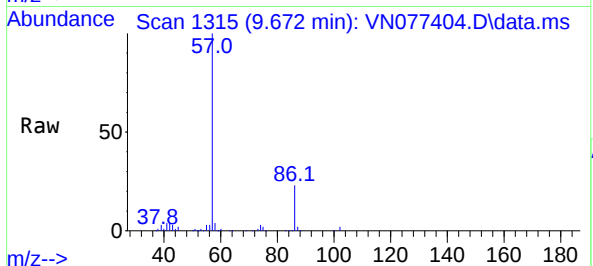




#49
1,4-Dioxane
Concen: 1.396 ug/l
RT: 9.672 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

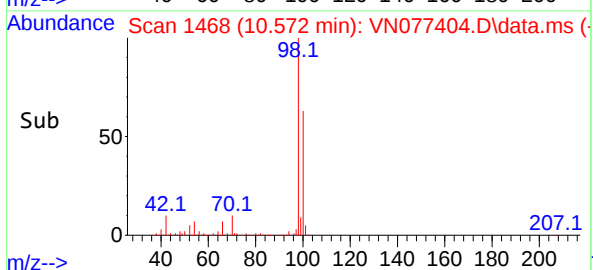
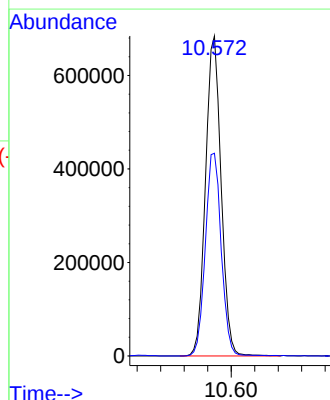
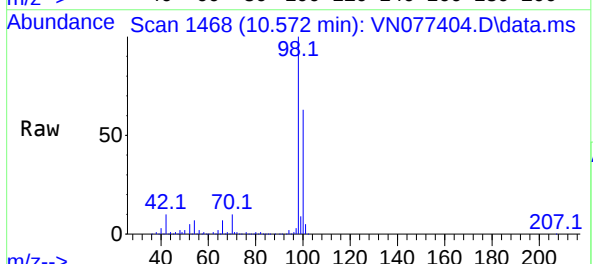
Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

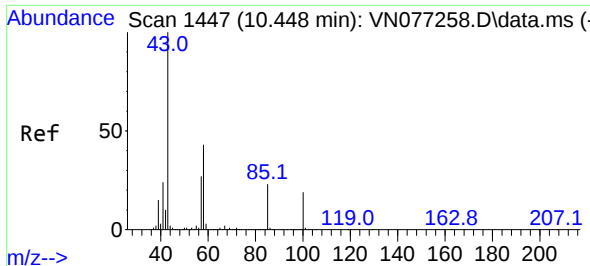
Tgt Ion: 88 Resp: 231
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 3275.8 49.8 74.6#



#50
Toluene-d8
Concen: 47.760 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 98 Resp: 1259821
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9

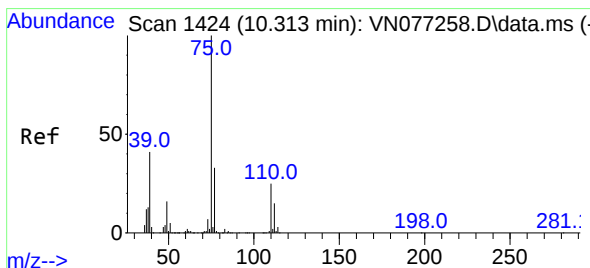
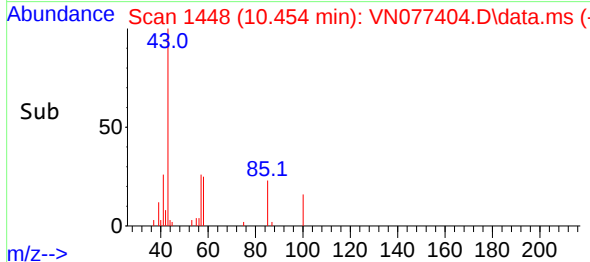
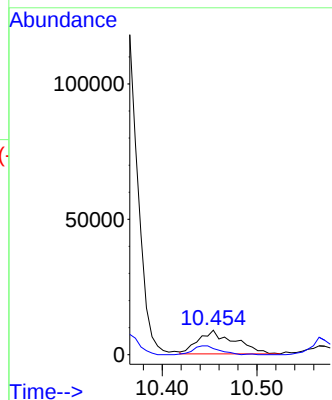
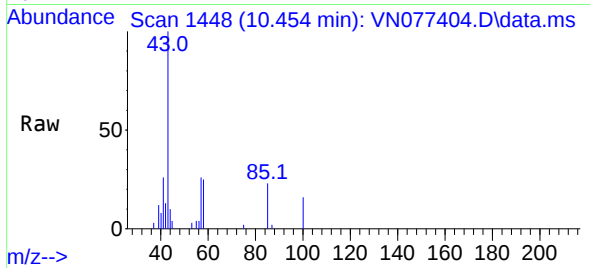




#51
4-Methyl-2-Pentanone
Concen: 2.520 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

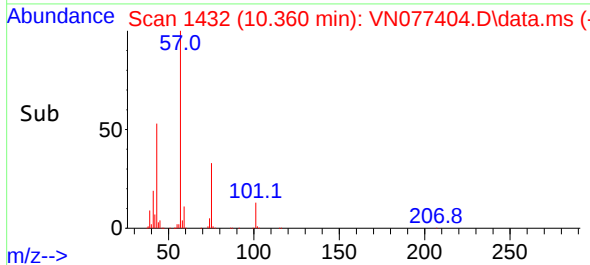
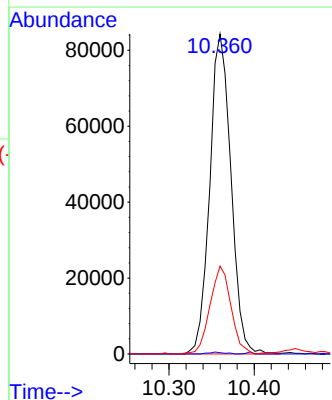
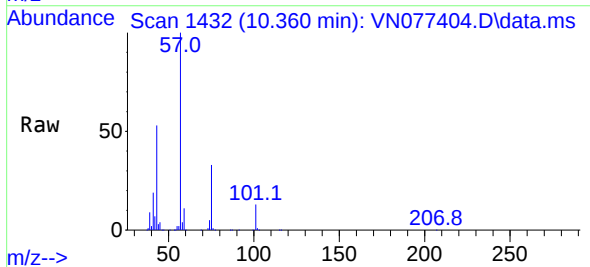
Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

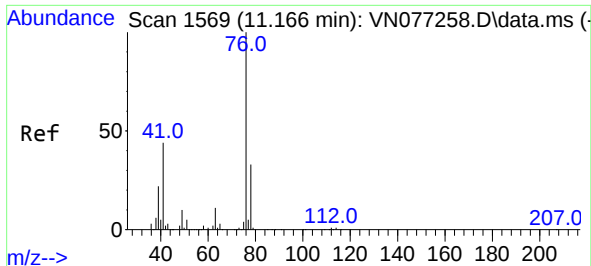
Tgt Ion: 43 Resp: 23304
Ion Ratio Lower Upper
43 100
58 27.0 34.6 52.0#



#54
cis-1,3-Dichloropropene
Concen: 11.651 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 75 Resp: 145701
Ion Ratio Lower Upper
75 100
77 0.4 26.7 40.1#
39 27.4 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 1.016 ug/l

RT: 11.201 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN077404.D

Acq: 20 Apr 2023 16:46

Instrument :

MSVOA_N

ClientSampleId :

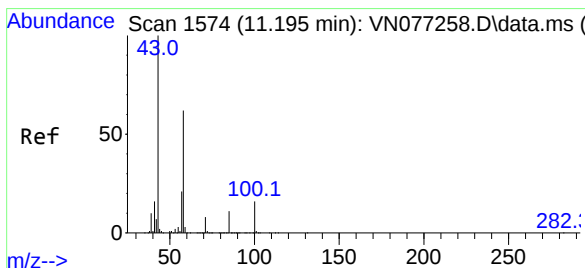
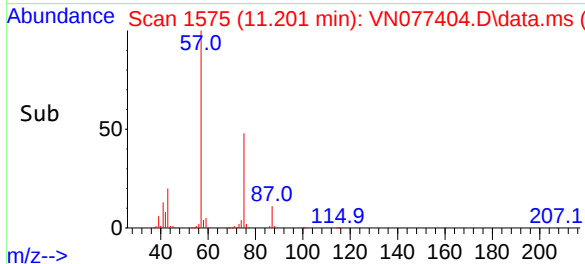
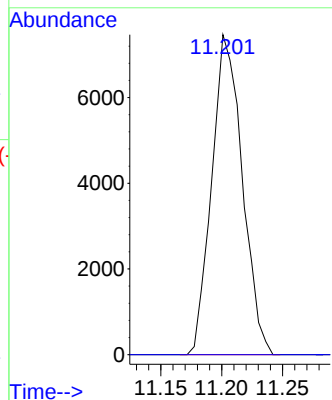
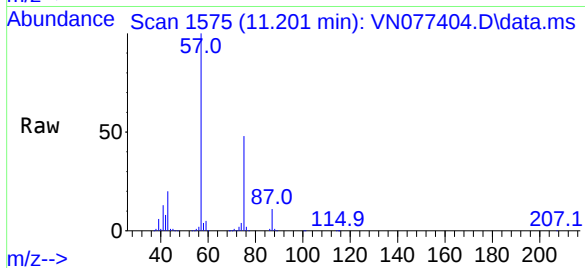
SPC-1WC-23-04-17

Tgt Ion: 76 Resp: 13037

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 39.713 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN077404.D

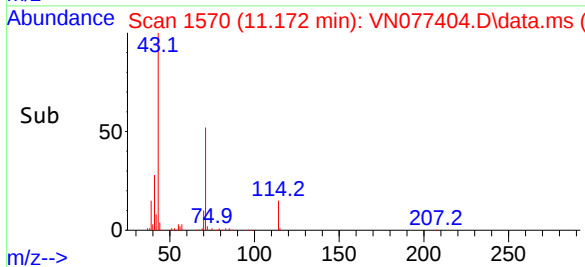
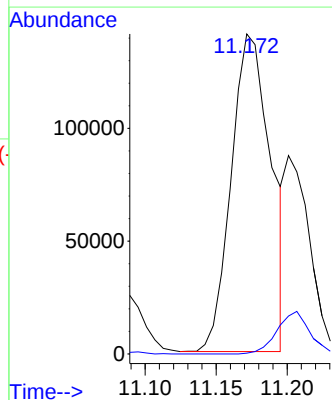
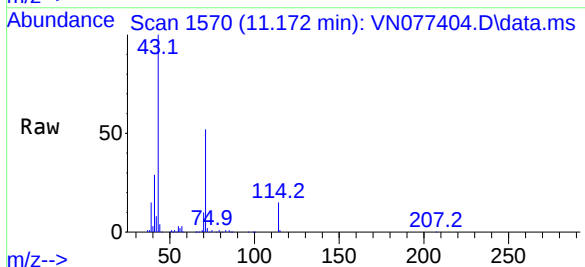
Acq: 20 Apr 2023 16:46

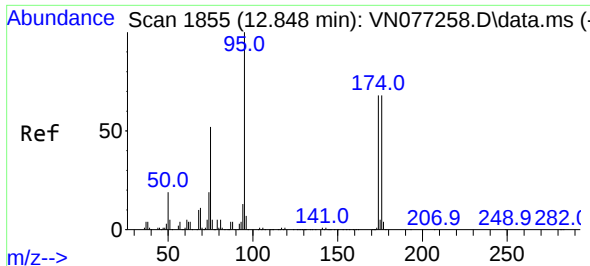
Tgt Ion: 43 Resp: 273619

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#



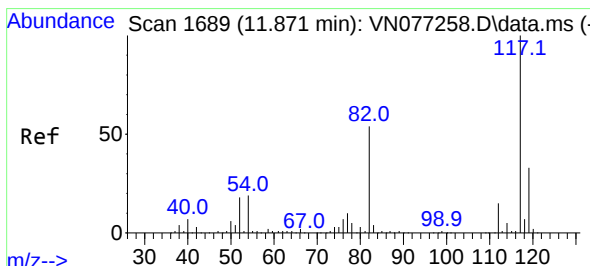
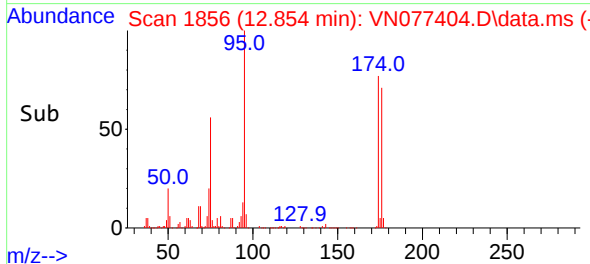
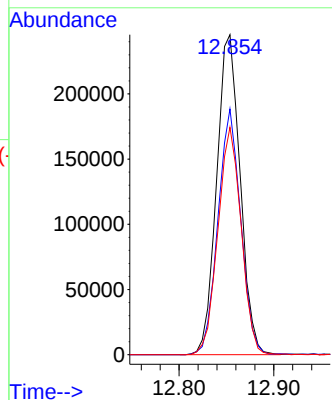
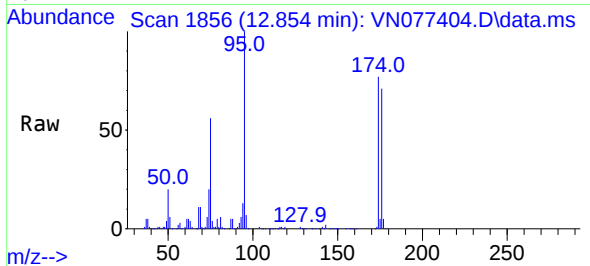


#62
4-Bromofluorobenzene
Concen: 48.266 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

Tgt Ion: 95 Resp: 423446

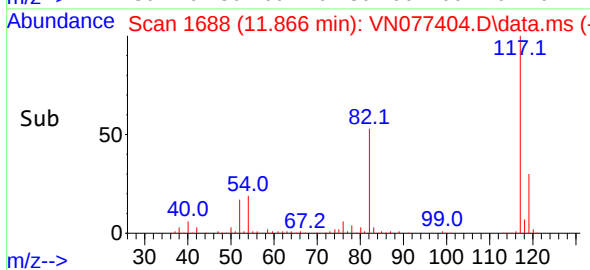
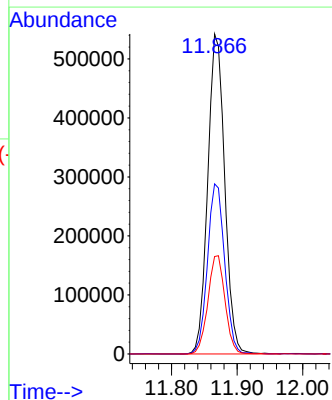
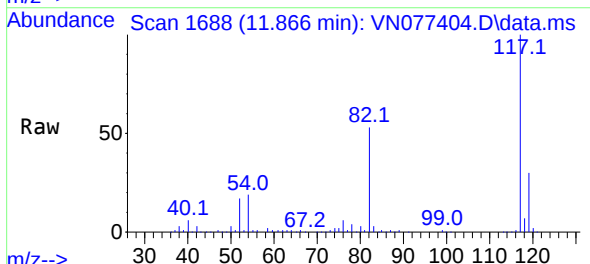
Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	146.8
176	70.2	0.0	139.6

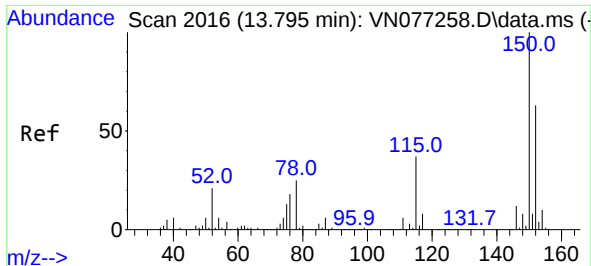


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 1688
Delta R.T. -0.005 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Tgt Ion: 117 Resp: 976272

Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.9	64.3
119	30.4	26.2	39.4

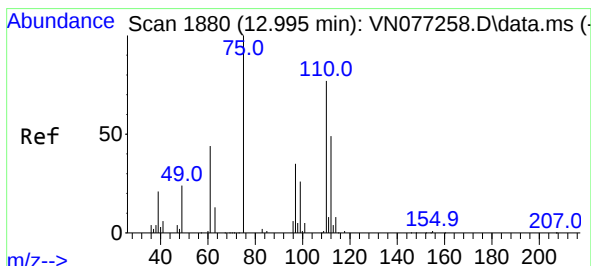
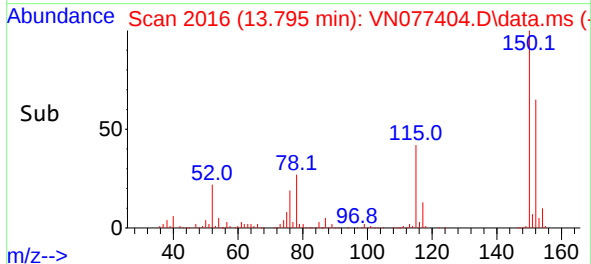
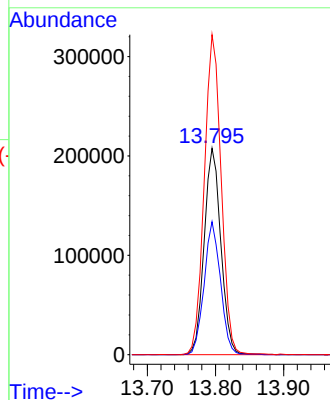
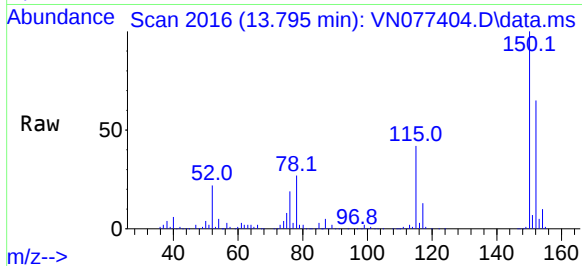




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

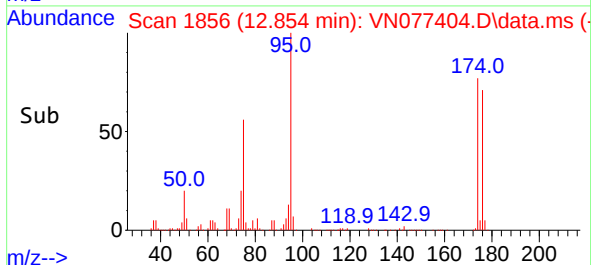
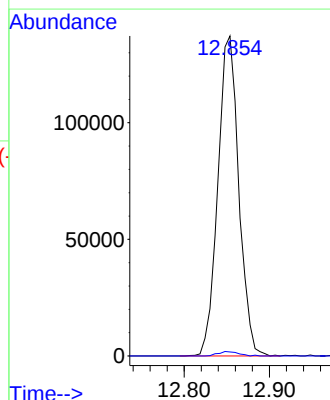
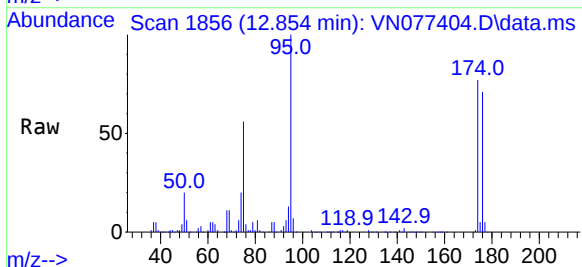
Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17

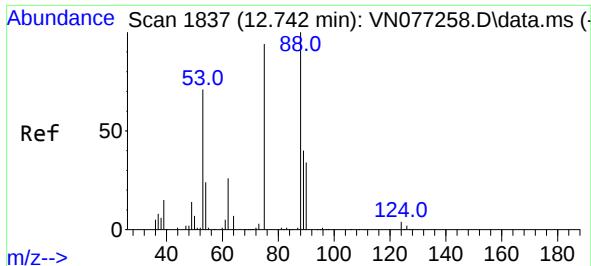
Tgt Ion:152 Resp: 353052
Ion Ratio Lower Upper
152 100
115 63.4 32.1 96.3
150 157.3 0.0 354.8



#76
1,2,3-Trichloropropane
Concen: 27.901 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

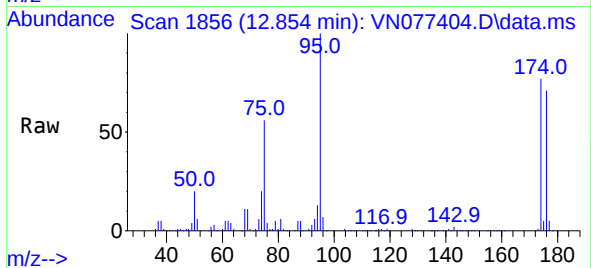
Tgt Ion: 75 Resp: 234568
Ion Ratio Lower Upper
75 100
77 1.4 88.3 264.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 62.787 ug/l
RT: 12.854 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN077404.D
Acq: 20 Apr 2023 16:46

Instrument :
MSVOA_N
ClientSampleId :
SPC-1WC-23-04-17



Tgt Ion: 75 Resp: 234568
Ion Ratio Lower Upper
75 100
53 0.0 72.8 109.2#
89 0.1 37.4 56.2#

