

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077540.D
 Acq On : 01 May 2023 12:17
 Operator : JC\MD
 Sample : VN0501WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBL01

Quant Time: May 01 22:00:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.231	168	610700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1154410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1042266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	367500	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	415355	52.122	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.240%	
35) Dibromofluoromethane	8.172	113	358061	51.605	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.200%	
50) Toluene-d8	10.572	98	1402605	52.745	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.480%	
62) 4-Bromofluorobenzene	12.854	95	430896	49.526	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.060%	

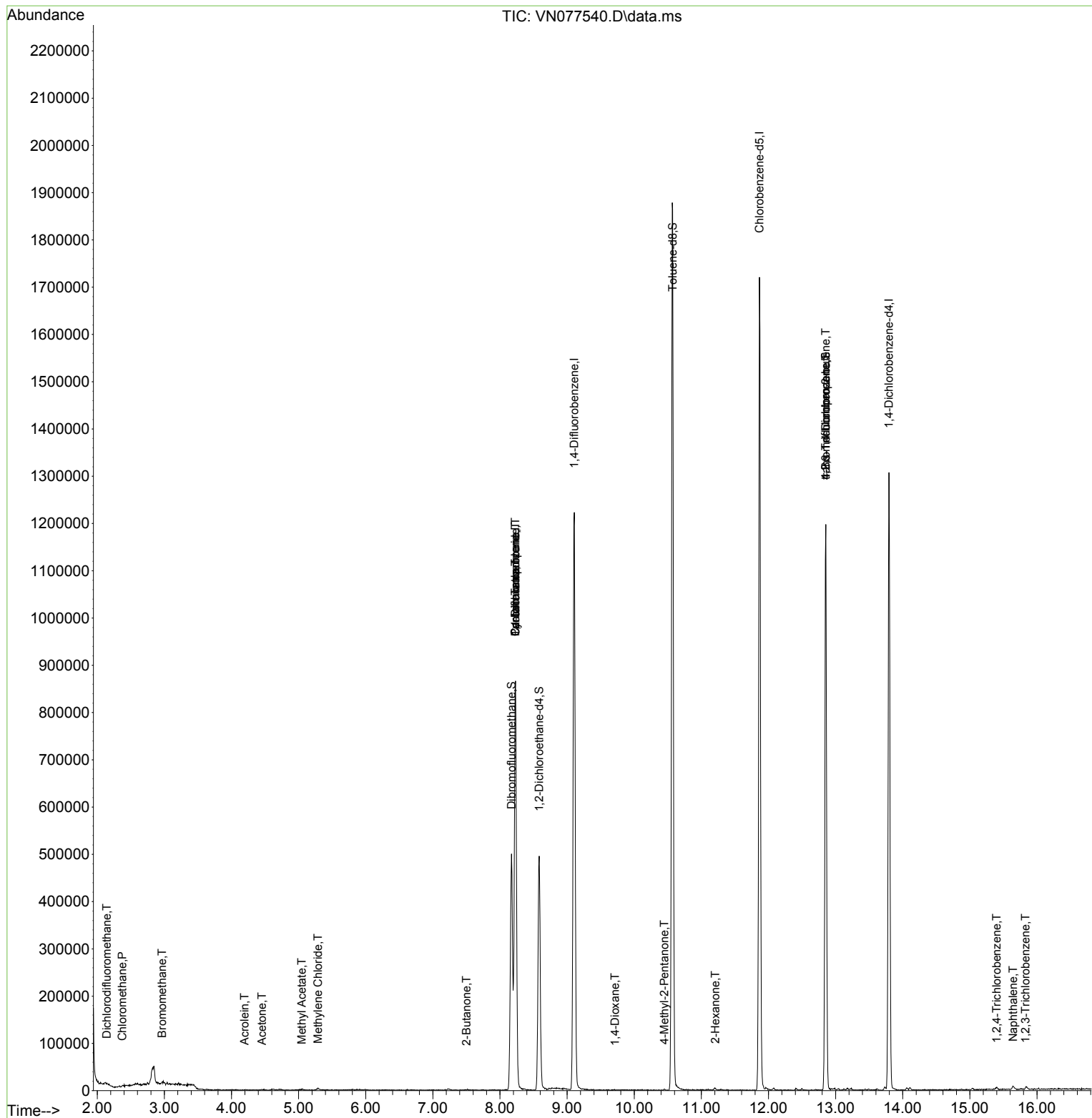
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.143	85	122	0.325	ug/l #	43
3) Chloromethane	2.372	50	1282	0.209	ug/l #	45
5) Bromomethane	2.966	94	2001	0.283	ug/l #	68
13) Acrolein	4.196	56	557	0.438	ug/l	91
16) Acetone	4.454	43	1707	0.673	ug/l #	40
18) Methyl Acetate	5.048	43	3659	0.374	ug/l #	69
20) Methylene Chloride	5.290	84	2504	0.311	ug/l #	58
25) 2-Butanone	7.501	43	927	0.258	ug/l #	37
31) Cyclohexane	8.231	56	15675	1.389	ug/l #	28
36) 1,1-Dichloropropene	8.231	75	53860	5.373	ug/l #	47
38) Carbon Tetrachloride	8.231	117	70406	6.366	ug/l #	16
49) 1,4-Dioxane	9.713	88	62	0.412	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	1587	0.205	ug/l #	31
59) 2-Hexanone	11.207	43	3087	0.549	ug/l	94
76) 1,2,3-Trichloropropane	12.854	75	234372	27.425	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	234372	77.481	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.401	180	1786	1.464	ug/l	94
95) Naphthalene	15.642	128	7362	1.883	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.830	180	2160	1.355	ug/l	92

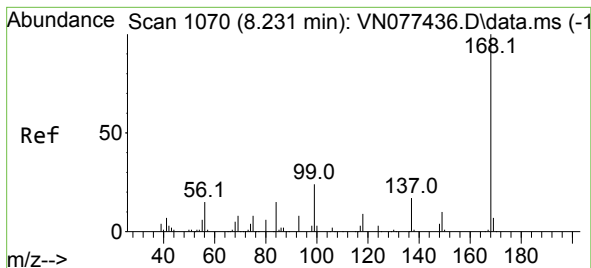
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

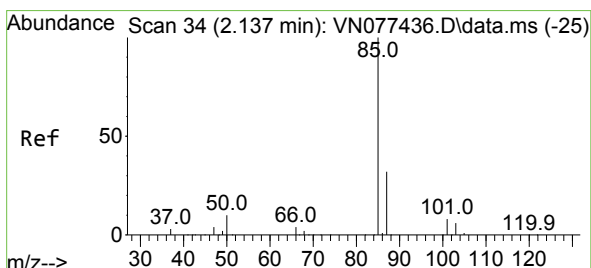
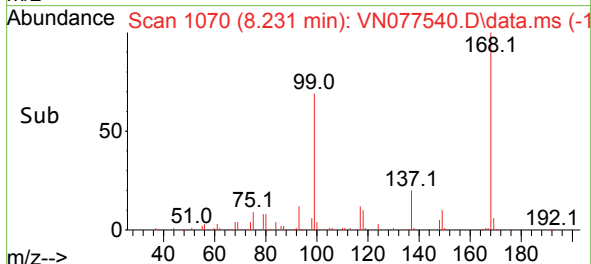
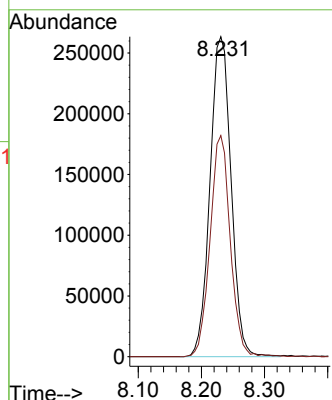
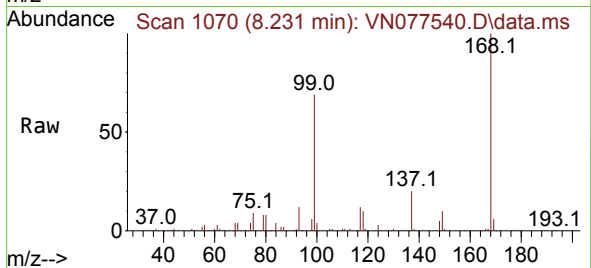
VN0501WBL01

Tgt Ion:168 Resp: 610700

Ion Ratio Lower Upper

168 100

99 69.1 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 0.325 ug/l

RT: 2.143 min Scan# 35

Delta R.T. 0.006 min

Lab File: VN077540.D

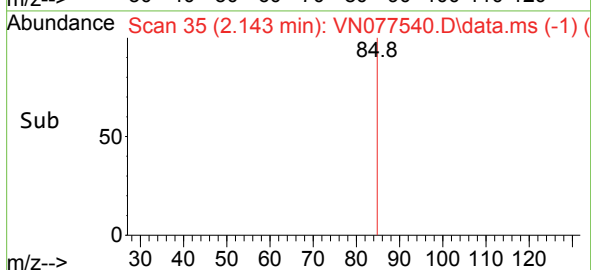
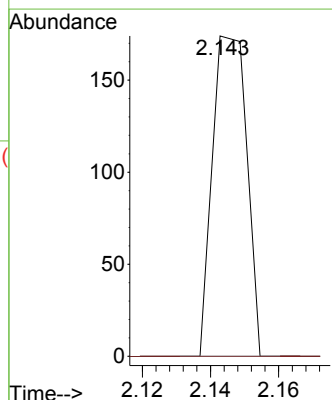
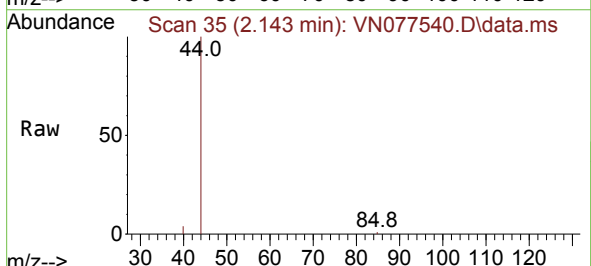
Acq: 01 May 2023 12:17

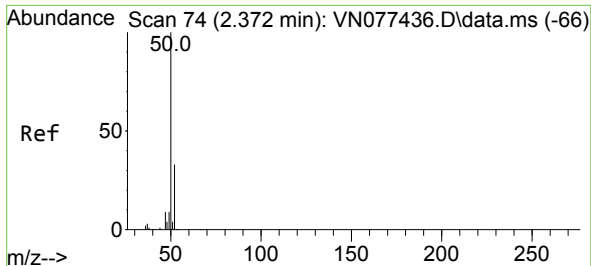
Tgt Ion: 85 Resp: 122

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#

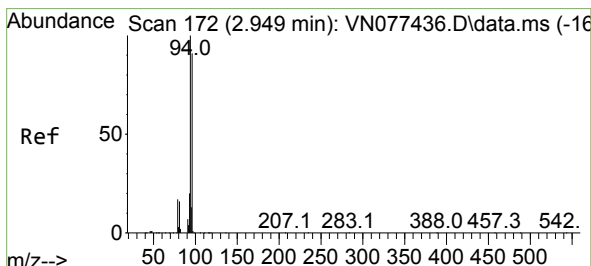
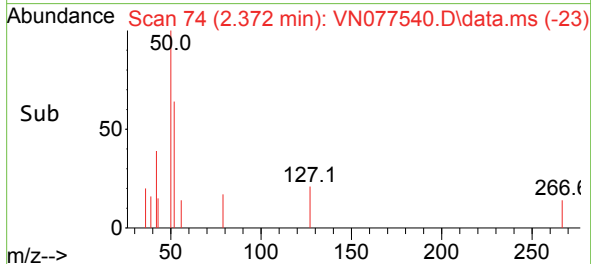
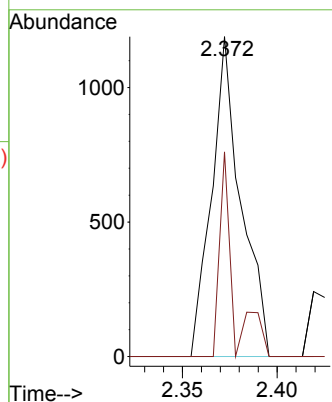
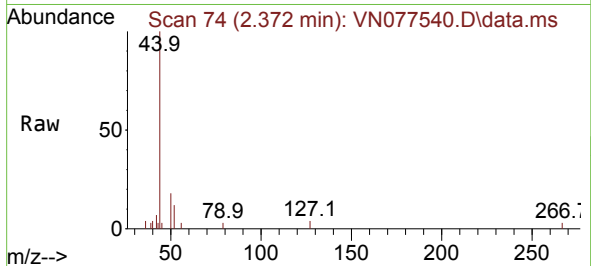




#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

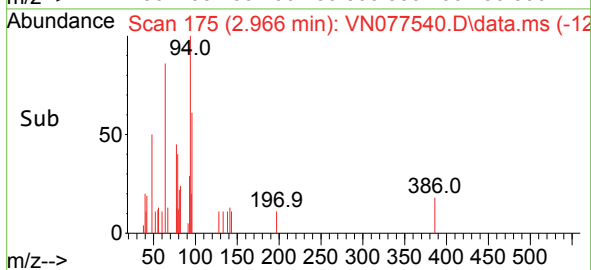
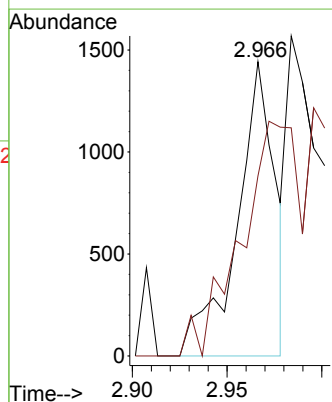
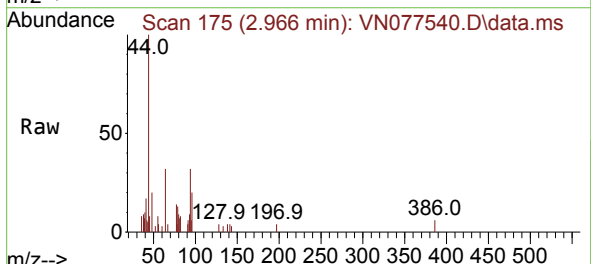
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBL01

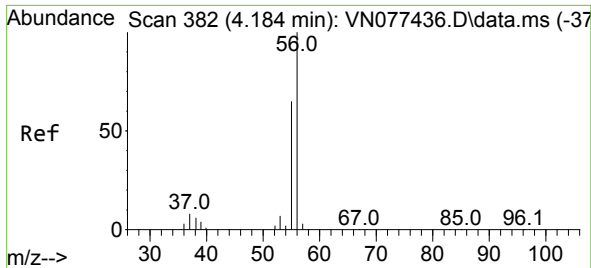
Tgt Ion: 50 Resp: 1282
Ion Ratio Lower Upper
50 100
52 64.0 26.5 39.7#



#5
Bromomethane
Concen: 0.283 ug/l
RT: 2.966 min Scan# 175
Delta R.T. 0.018 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

Tgt Ion: 94 Resp: 2001
Ion Ratio Lower Upper
94 100
96 61.2 73.1 109.7#

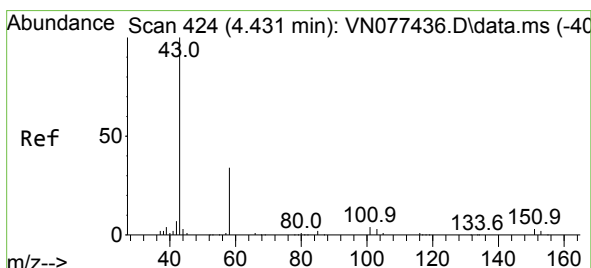
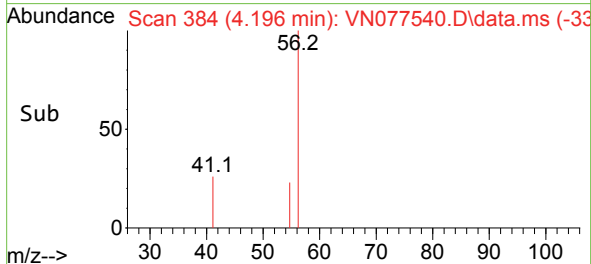
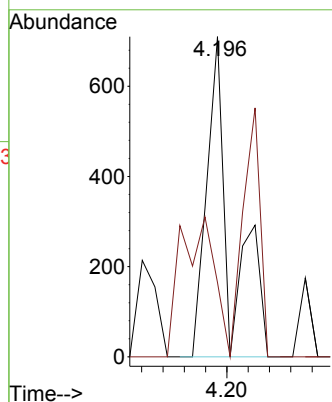
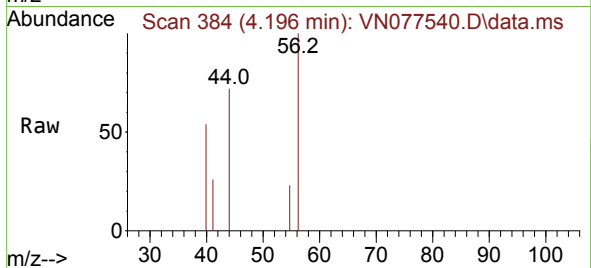




#13
Acrolein
Concen: 0.438 ug/l
RT: 4.196 min Scan# 384
Delta R.T. 0.012 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

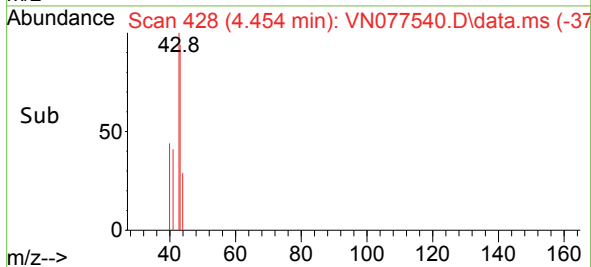
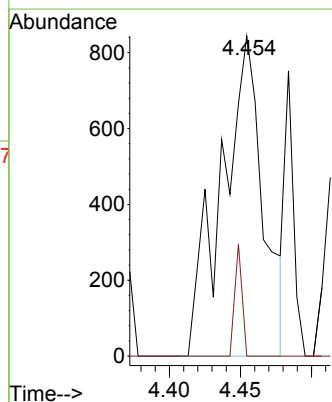
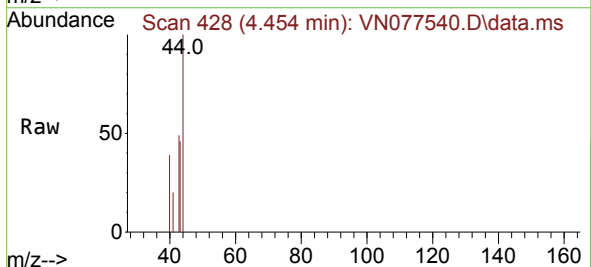
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBL01

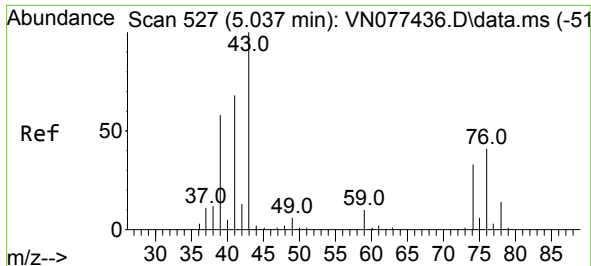
Tgt Ion: 56 Resp: 557
Ion Ratio Lower Upper
56 100
55 61.2 54.5 81.7



#16
Acetone
Concen: 0.673 ug/l
RT: 4.454 min Scan# 428
Delta R.T. 0.023 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

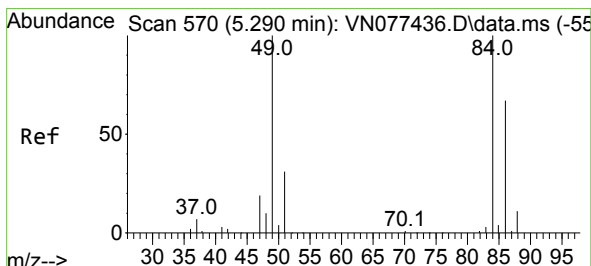
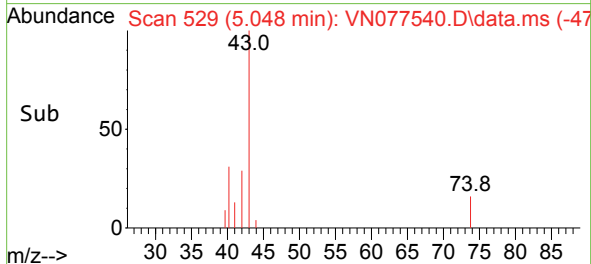
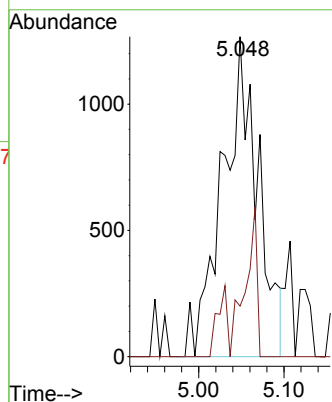
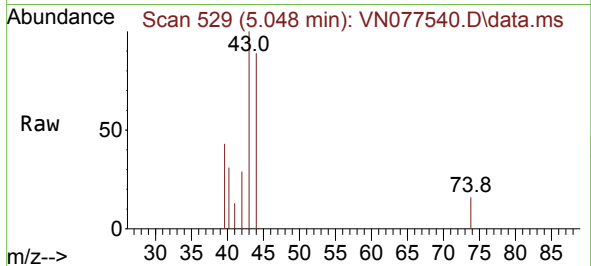




#18
Methyl Acetate
Concen: 0.374 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

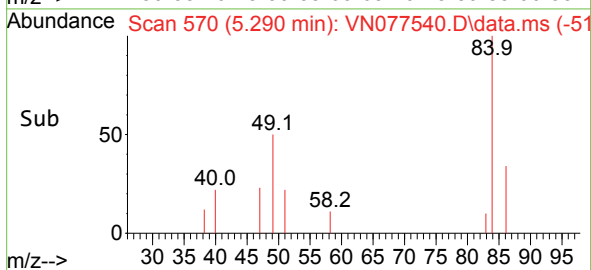
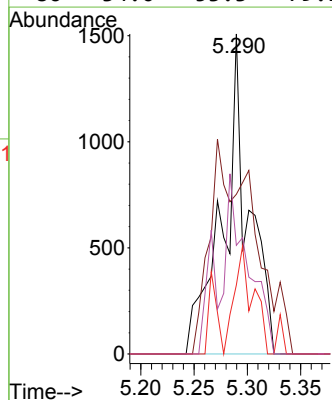
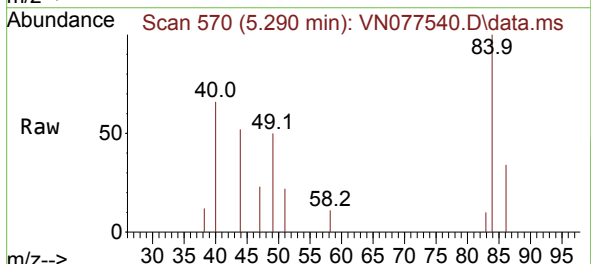
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ClientSampleId :
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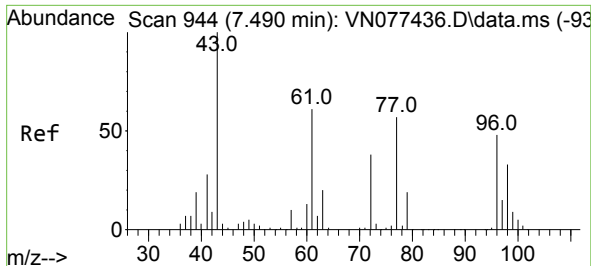
Tgt Ion: 43 Resp: 3659
Ion Ratio Lower Upper
43 100
74 15.6 26.2 39.4#



#20
Methylene Chloride
Concen: 0.311 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

Tgt Ion: 84 Resp: 2504
Ion Ratio Lower Upper
84 100
49 49.9 79.7 119.5#
51 21.6 25.2 37.8#
86 34.0 53.3 79.9#

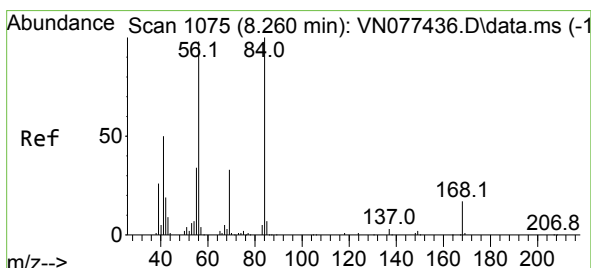
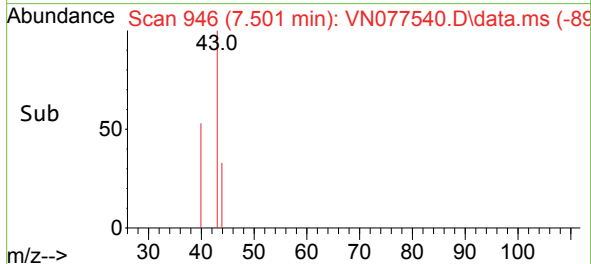
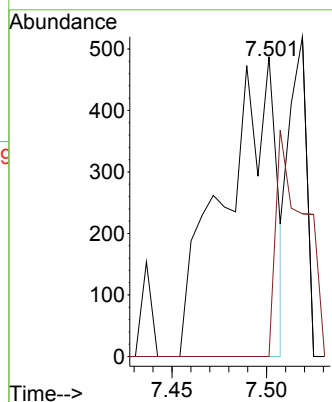
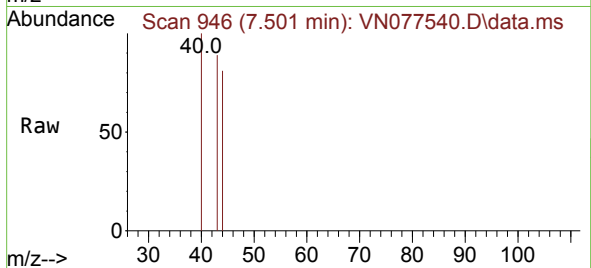




#25
2-Butanone
Concen: 0.258 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

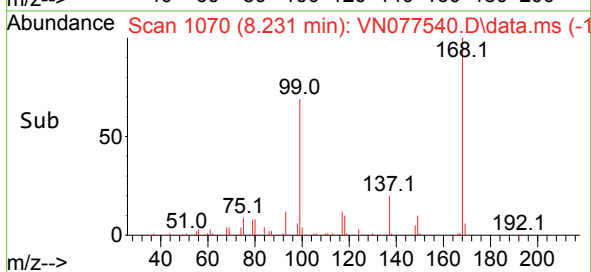
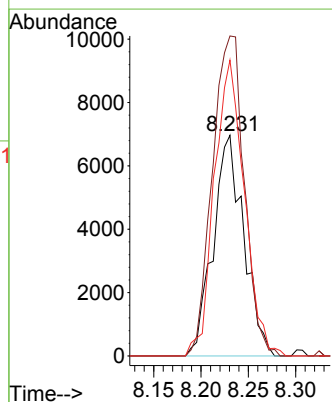
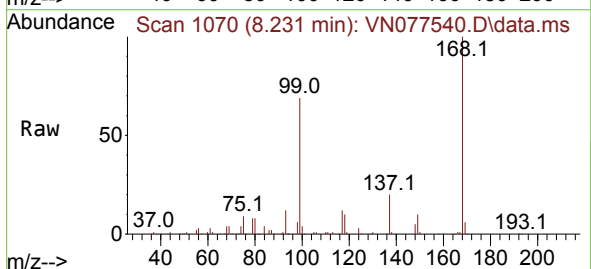
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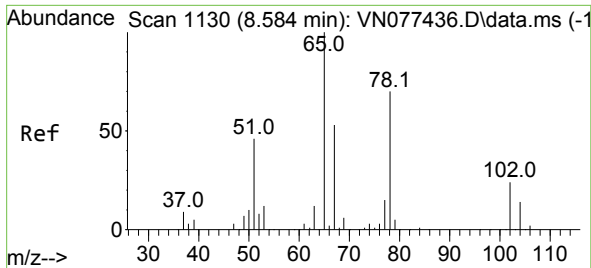
Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.389 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

Tgt Ion: 56 Resp: 15675
Ion Ratio Lower Upper
56 100
69 145.1 26.8 40.2#
84 134.1 81.8 122.6#

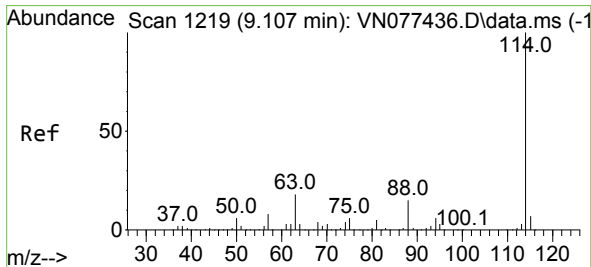
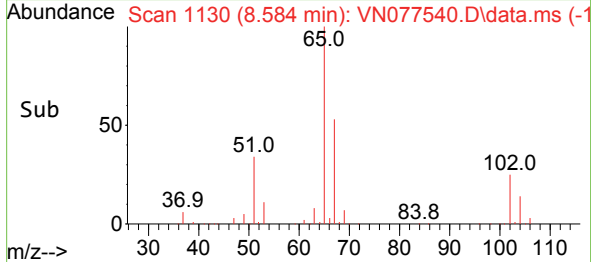
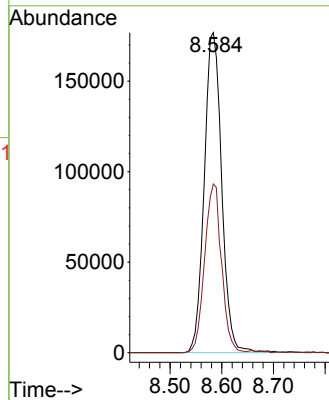
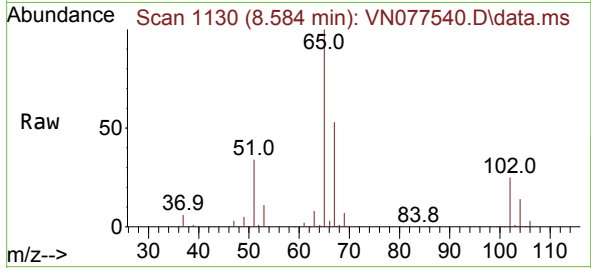




#33
 1,2-Dichloroethane-d4
 Concen: 52.122 ug/l
 RT: 8.584 min Scan# 1130
 Delta R.T. -0.000 min
 Lab File: VN077540.D
 Acq: 01 May 2023 12:17

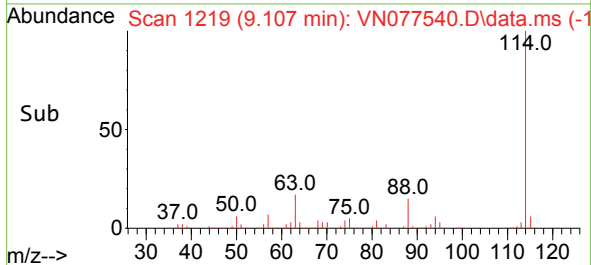
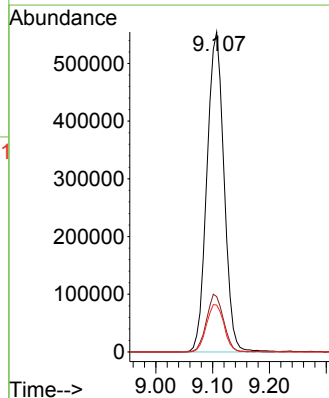
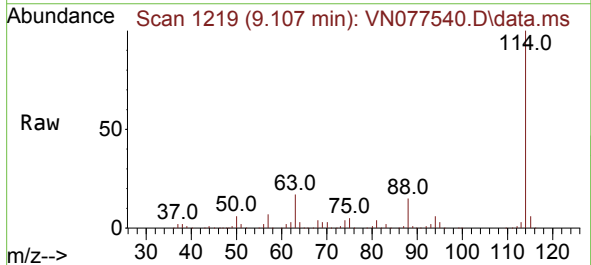
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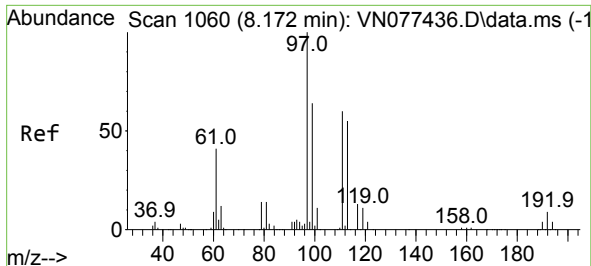
Tgt Ion: 65 Resp: 415355
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.107 min Scan# 1219
 Delta R.T. 0.000 min
 Lab File: VN077540.D
 Acq: 01 May 2023 12:17

Tgt Ion:114 Resp: 1154410
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 36.4
 88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.605 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBL01

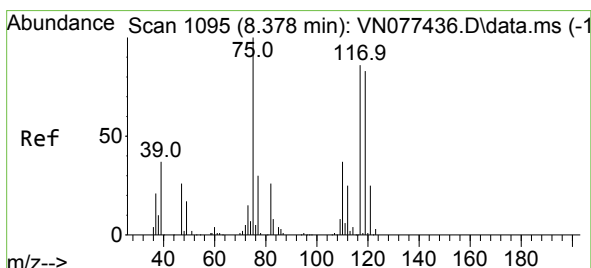
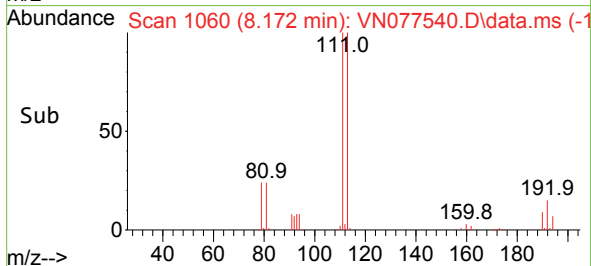
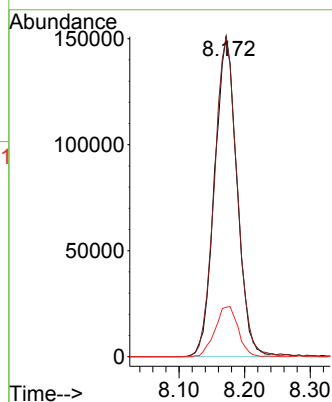
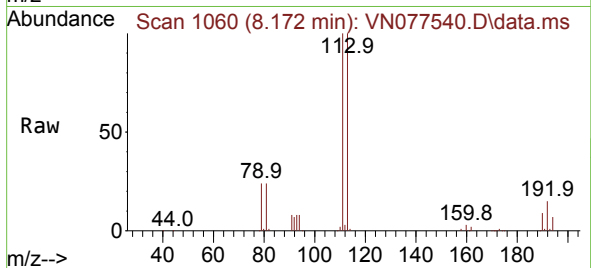
Tgt Ion:113 Resp: 358061

Ion Ratio Lower Upper

113 100

111 101.4 82.6 123.8

192 16.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 5.373 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

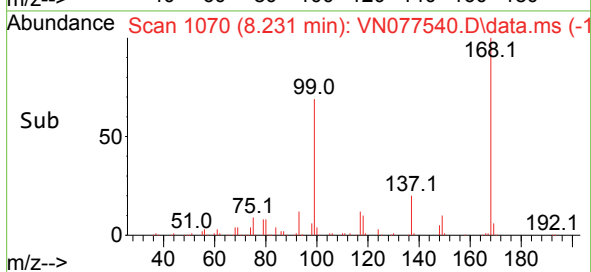
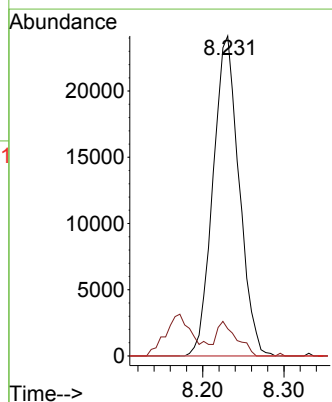
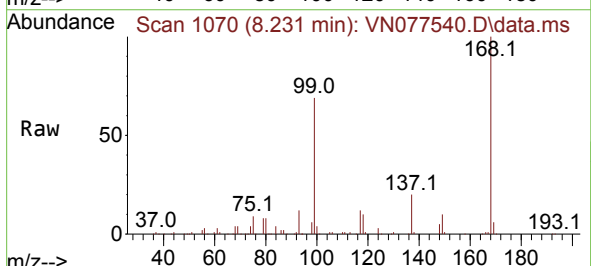
Tgt Ion: 75 Resp: 53860

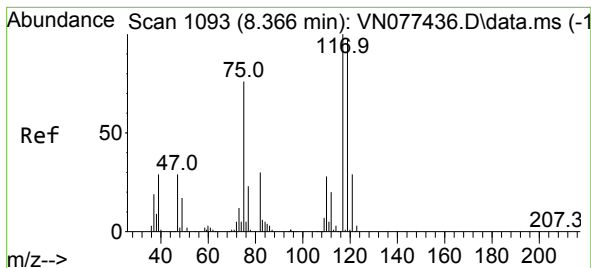
Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.366 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN077540.D

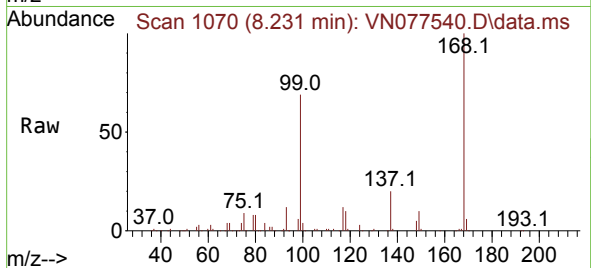
Acq: 01 May 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBL01



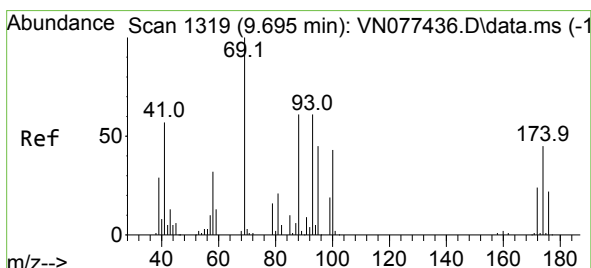
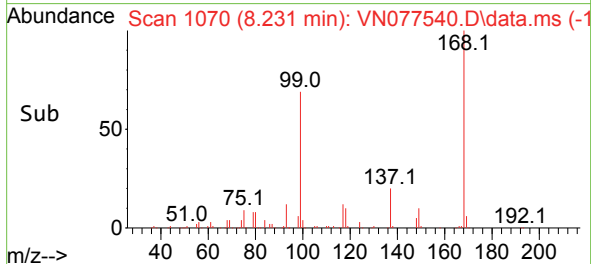
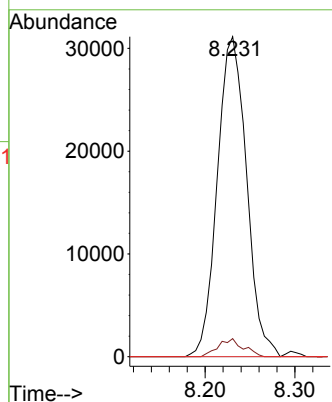
Tgt Ion:117 Resp: 70406

Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 23.3 34.9#



#49

1,4-Dioxane

Concen: 0.412 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. 0.018 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

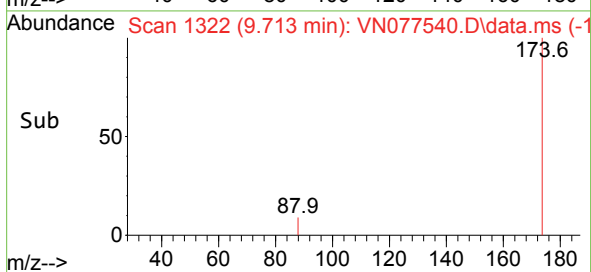
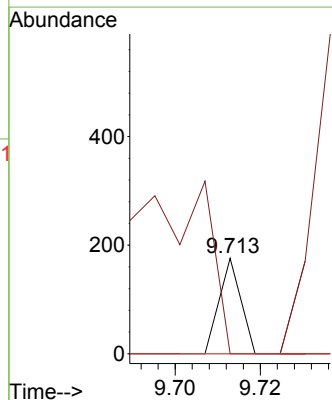
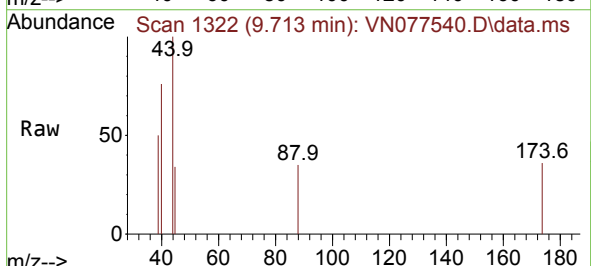
Tgt Ion: 88 Resp: 62

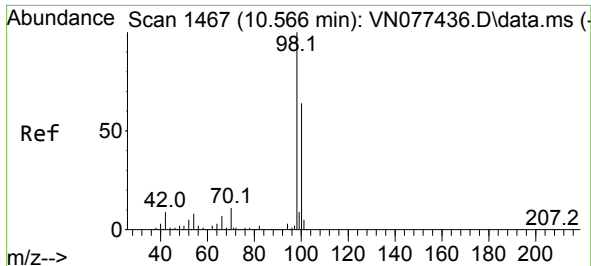
Ion Ratio Lower Upper

88 100

43 724.2 17.0 25.6#

58 0.0 47.0 70.4#

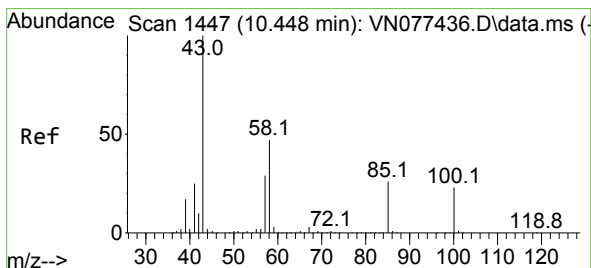
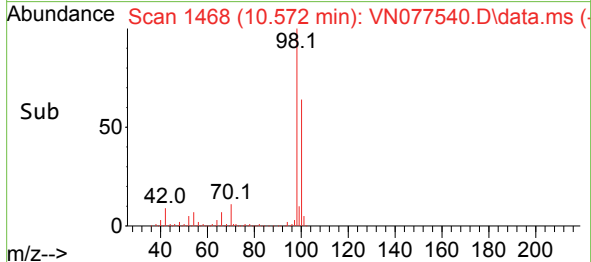
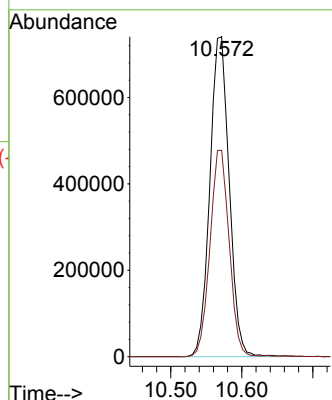
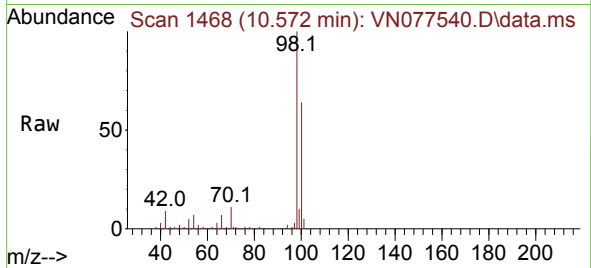




#50
Toluene-d8
Concen: 52.745 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

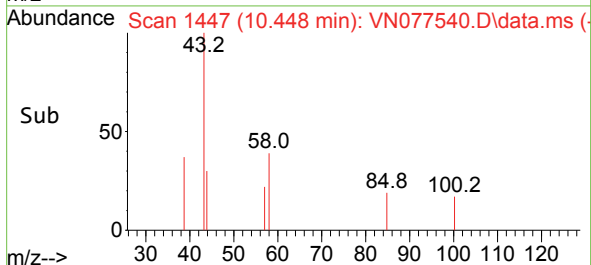
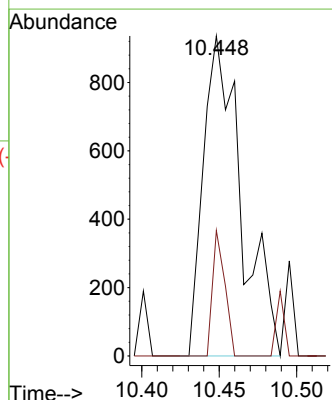
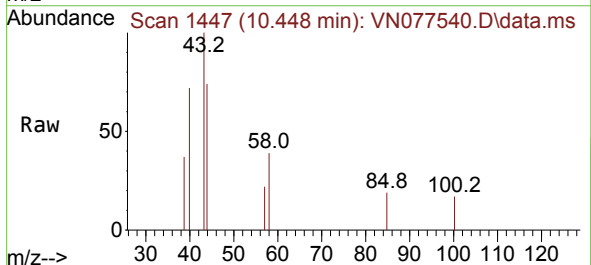
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBL01

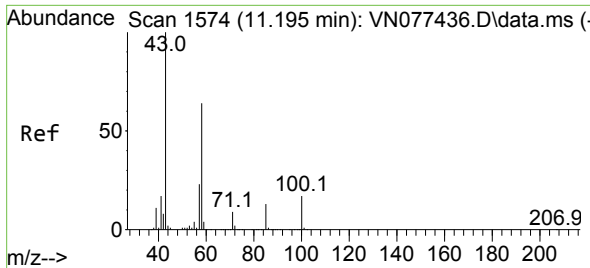
Tgt Ion: 98 Resp: 1402605
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.205 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

Tgt Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
58 0.0 36.6 54.8#

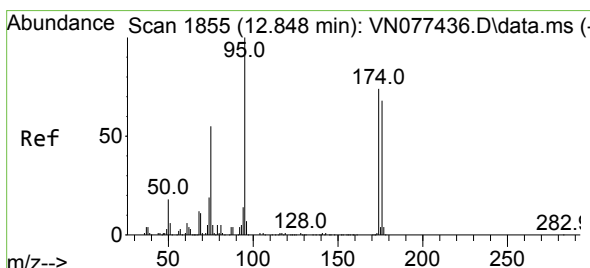
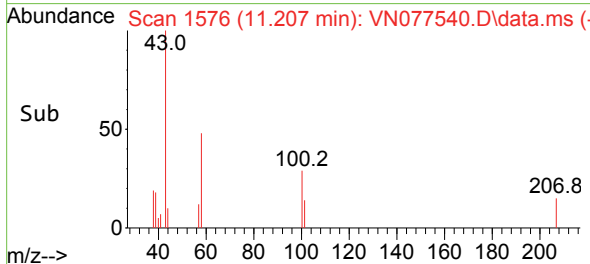
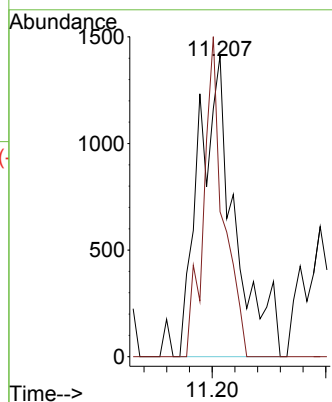
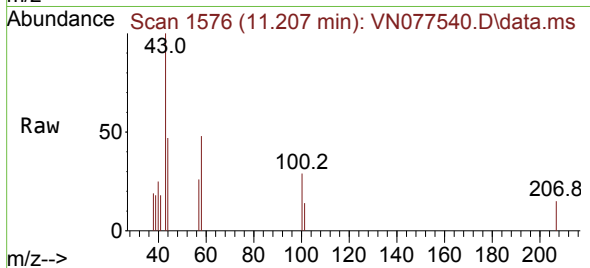




#59
2-Hexanone
Concen: 0.549 ug/l
RT: 11.207 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

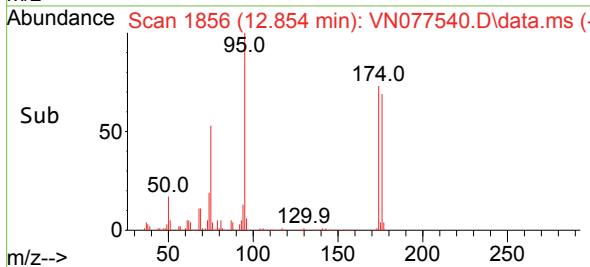
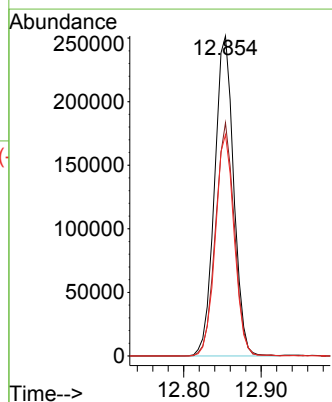
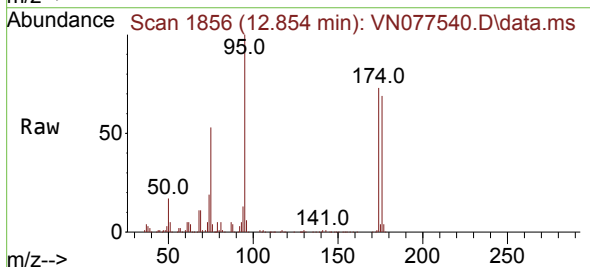
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBL01

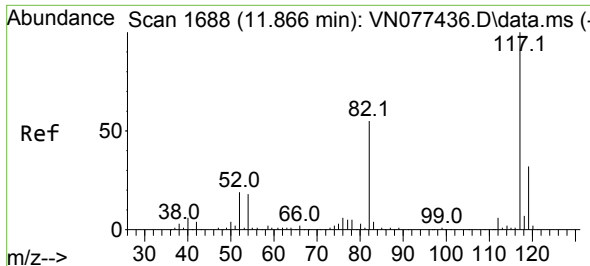
Tgt Ion: 43 Resp: 3087
Ion Ratio Lower Upper
43 100
58 58.8 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

Tgt Ion: 95 Resp: 430896
Ion Ratio Lower Upper
95 100
174 71.8 0.0 143.8
176 68.3 0.0 135.8

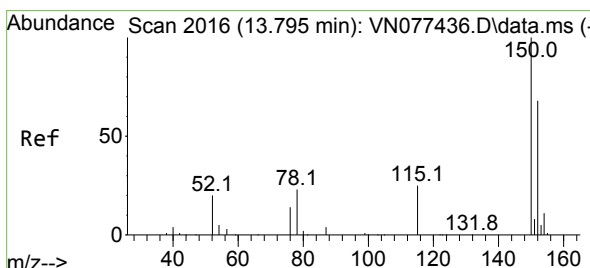
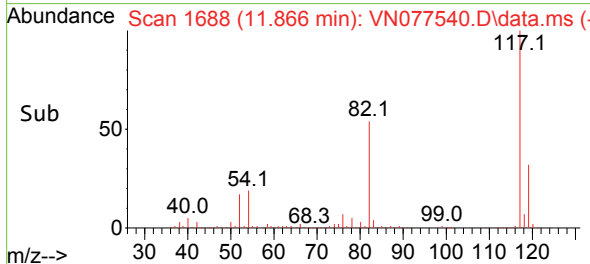
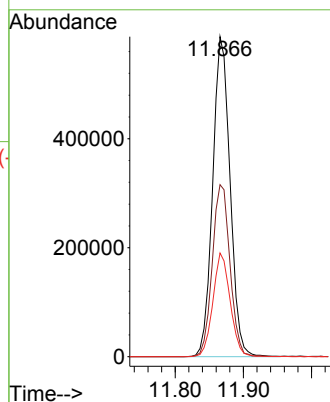
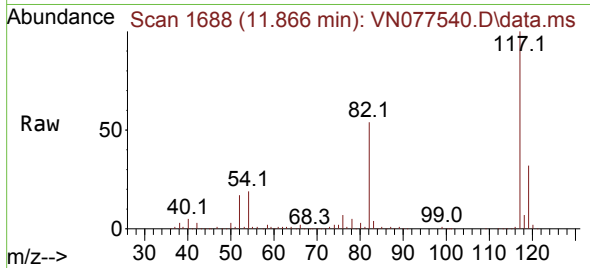




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

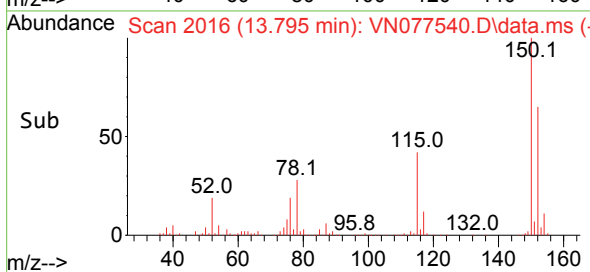
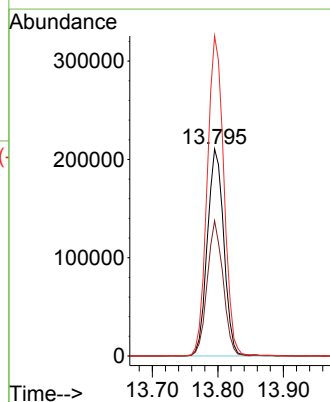
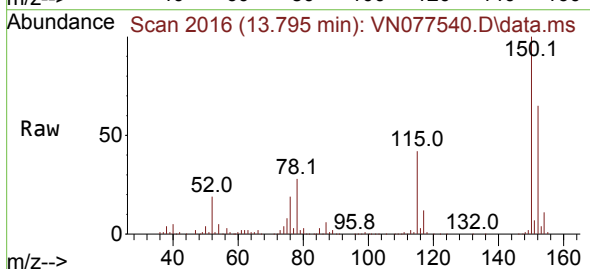
Instrument :
MSVOA_N
ClientSampleId :
VN0501WBL01

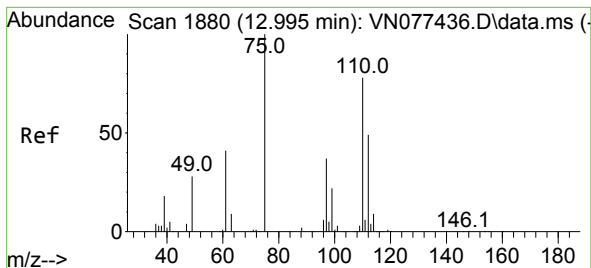
Tgt Ion:117 Resp: 1042266
Ion Ratio Lower Upper
117 100
82 53.7 44.0 66.0
119 32.4 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077540.D
Acq: 01 May 2023 12:17

Tgt Ion:152 Resp: 367500
Ion Ratio Lower Upper
152 100
115 63.0 32.3 96.8
150 156.1 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 27.425 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. -0.141 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

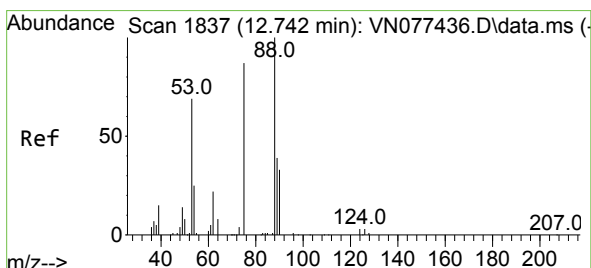
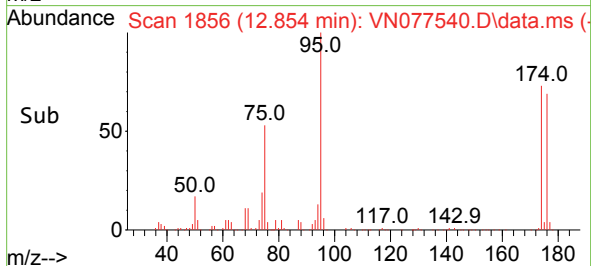
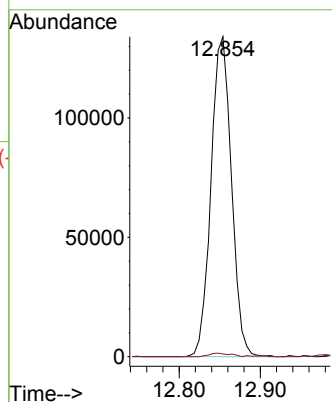
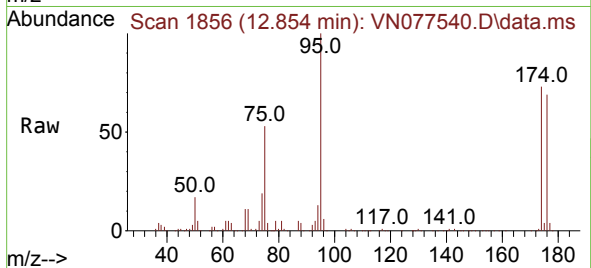
VN0501WBL01

Tgt Ion: 75 Resp: 234372

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 77.481 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.112 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

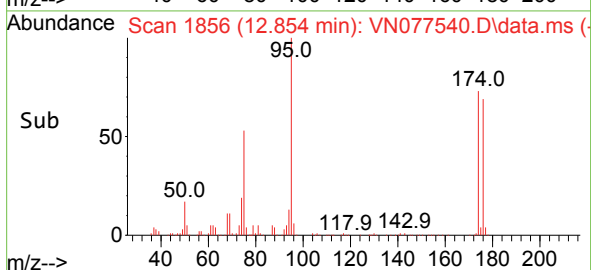
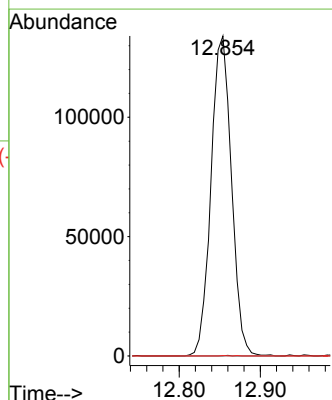
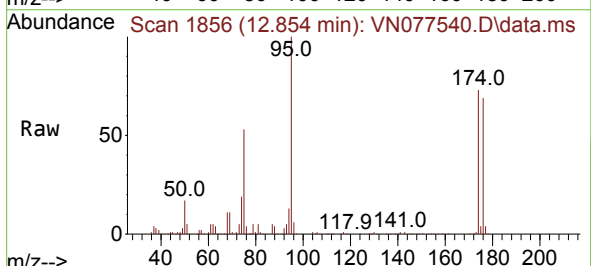
Tgt Ion: 75 Resp: 234372

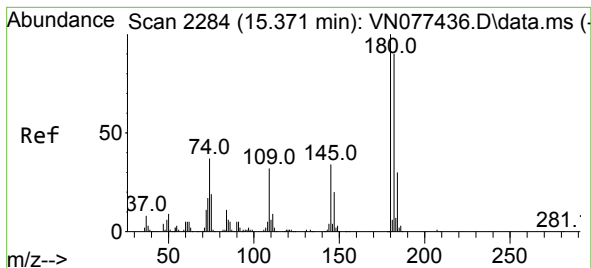
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#





#93

1,2,4-Trichlorobenzene

Concen: 1.464 ug/l

RT: 15.401 min Scan# 21

Delta R.T. 0.030 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

Instrument :

MSVOA_N

ClientSampleId :

VN0501WBL01

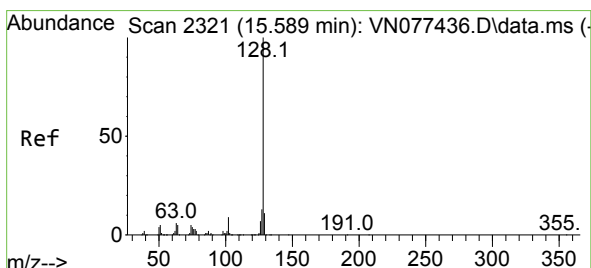
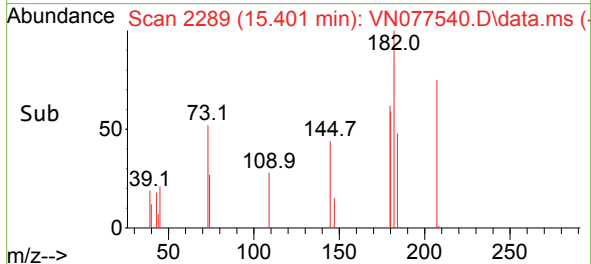
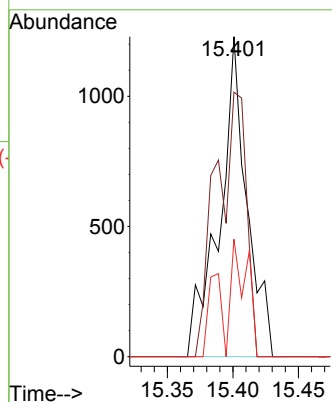
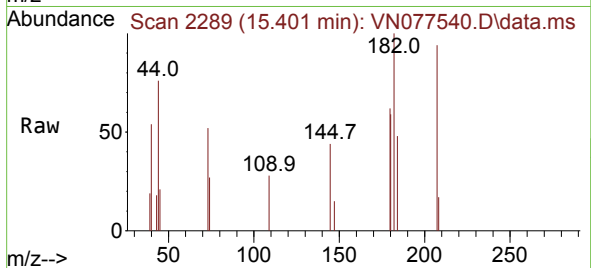
Tgt Ion:180 Resp: 1786

Ion Ratio Lower Upper

180 100

182 91.0 46.1 138.2

145 21.4 16.6 49.8



#95

Naphthalene

Concen: 1.883 ug/l

RT: 15.642 min Scan# 2330

Delta R.T. 0.053 min

Lab File: VN077540.D

Acq: 01 May 2023 12:17

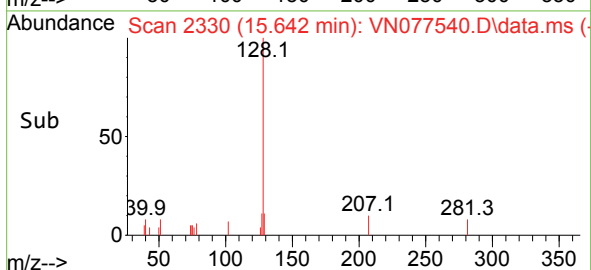
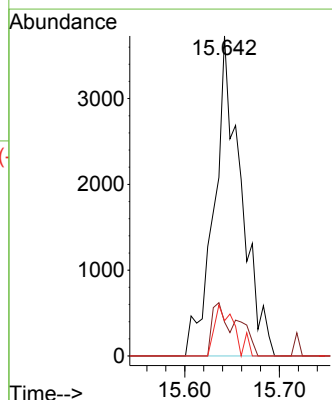
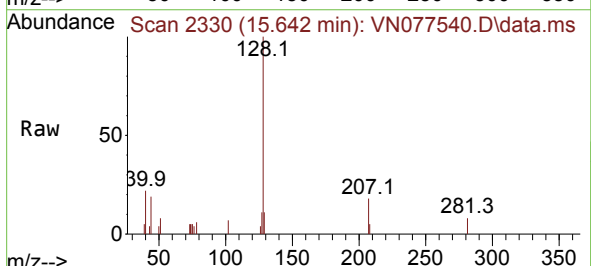
Tgt Ion:128 Resp: 7362

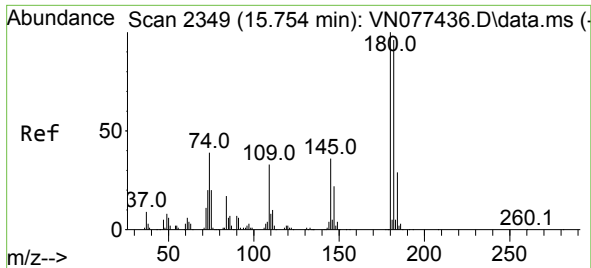
Ion Ratio Lower Upper

128 100

127 8.9 10.0 15.0#

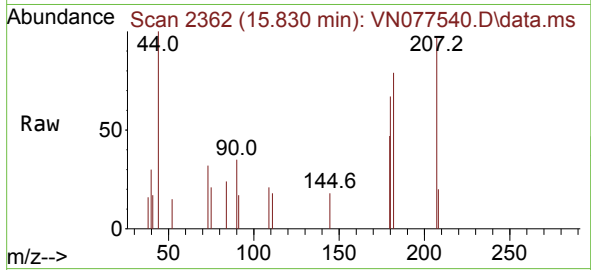
129 11.5 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.355 ug/l
 RT: 15.830 min Scan# 21
 Delta R.T. 0.076 min
 Lab File: VN077540.D
 Acq: 01 May 2023 12:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBL01



Tgt Ion:	180	Resp:	2160
Ion	Ratio	Lower	Upper
180	100		
182	98.0	46.2	138.6
145	43.2	17.5	52.6

