

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012623\
 Data File : VN076425.D
 Acq On : 26 Jan 2023 17:13
 Operator : JC\MD
 Sample : 01289-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ209-STOCK

Quant Time: Jan 27 00:39:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

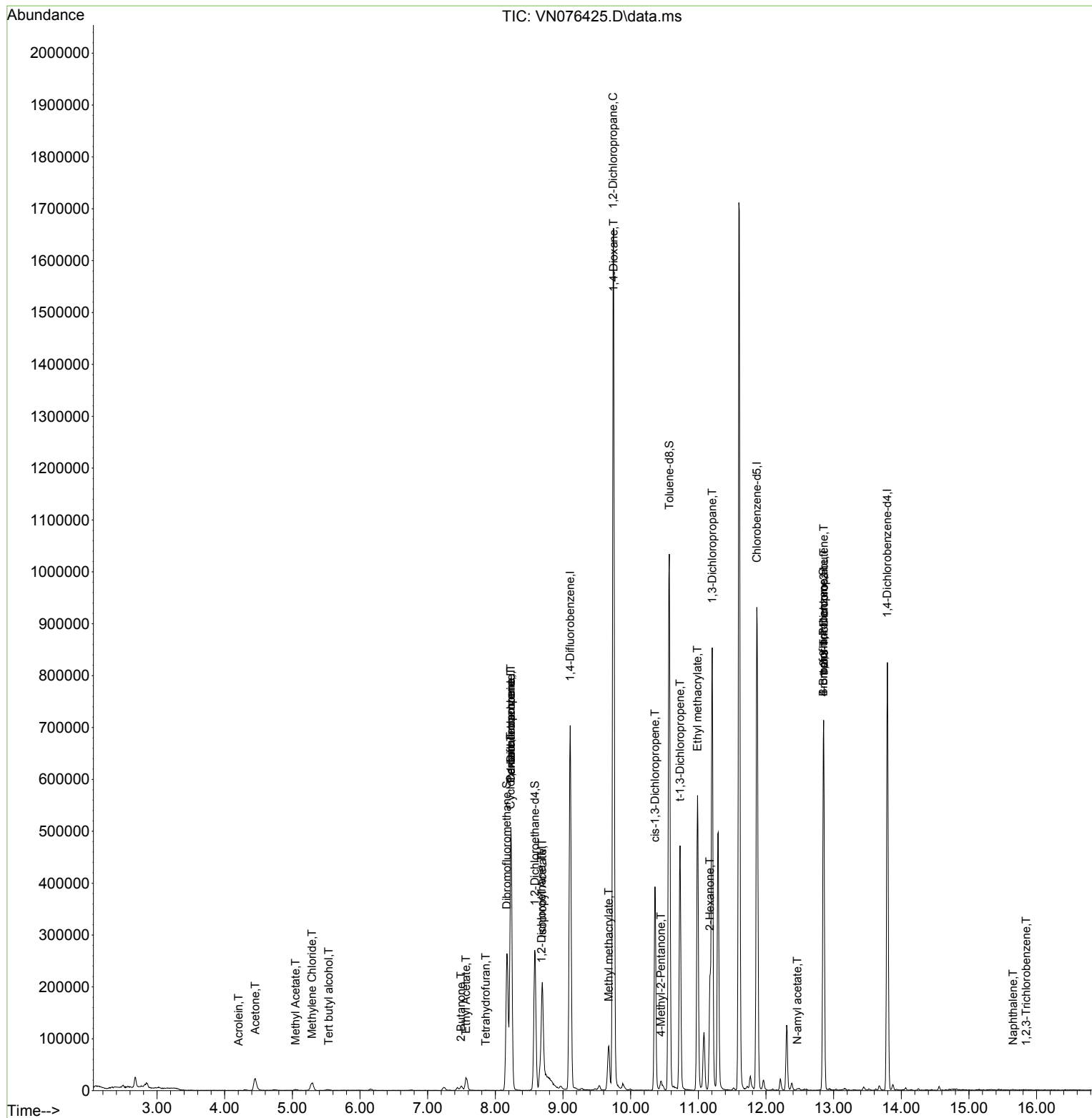
Internal Standards						
1) Pentafluorobenzene	8.230	168	374063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	620822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	556121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	222924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	225050	53.733	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.460%			
35) Dibromofluoromethane	8.171	113	189471	48.789	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.580%			
50) Toluene-d8	10.571	98	732777	51.092	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.180%			
62) 4-Bromofluorobenzene	12.847	95	233228	49.813	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.620%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	1434	2.560	ug/l #	72
13) Acrolein	4.206	56	153	0.228	ug/l #	15
16) Acetone	4.453	43	45160	33.571	ug/l	98
18) Methyl Acetate	5.047	43	3652	0.803	ug/l #	85
20) Methylene Chloride	5.289	84	12590	2.598	ug/l	94
25) 2-Butanone	7.494	43	12830	6.257	ug/l	93
29) Tetrahydrofuran	7.859	42	393	0.311	ug/l #	38
31) Cyclohexane	8.224	56	8028	1.248	ug/l #	12
36) 1,1-Dichloropropene	8.230	75	29518	5.349	ug/l #	48
37) Ethyl Acetate	7.565	43	36823	8.350	ug/l #	91
38) Carbon Tetrachloride	8.230	117	39689	6.449	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	1784	0.316	ug/l #	73
43) Isopropyl Acetate	8.694	43	270758	37.602	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	2236	0.566	ug/l #	42
48) Methyl methacrylate	9.677	41	5285	1.550	ug/l #	38
49) 1,4-Dioxane	9.747	88	121	1.682	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	18362	4.344	ug/l #	69
53) t-1,3-Dichloropropene	10.729	75	1407	0.255	ug/l #	64
54) cis-1,3-Dichloropropene	10.359	75	75761	11.941	ug/l #	66
56) Ethyl methacrylate	10.988	69	1922	0.353	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	9201	1.342	ug/l #	42
59) 2-Hexanone	11.171	43	157170	51.310	ug/l #	21
71) Bromoform	12.847	173	1229	0.389	ug/l #	1
74) N-amyl acetate	12.465	43	1652	0.333	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	126968	30.902	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126968	94.765	ug/l #	11
95) Naphthalene	15.653	128	1265	1.944	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.847	180	61	1.170	ug/l #	12

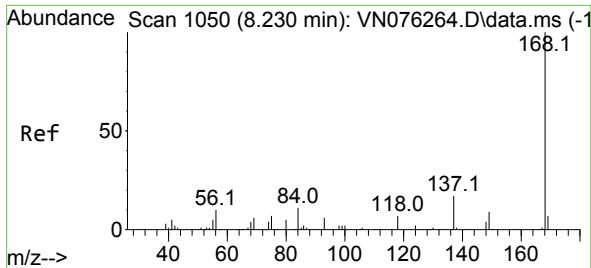
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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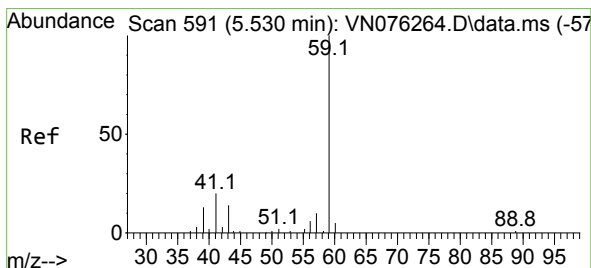
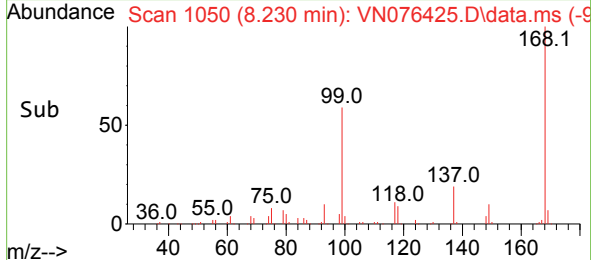
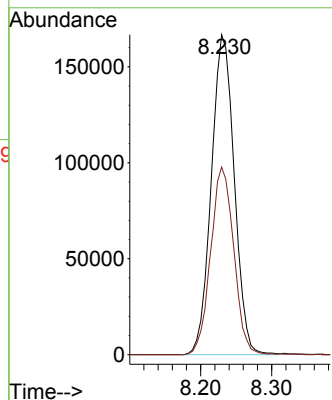
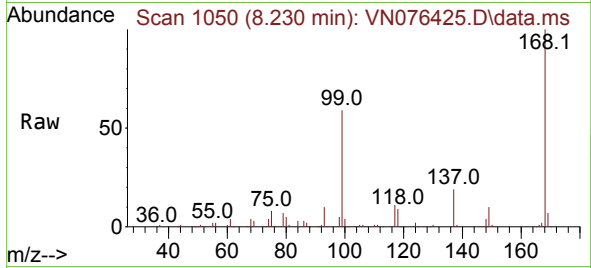




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

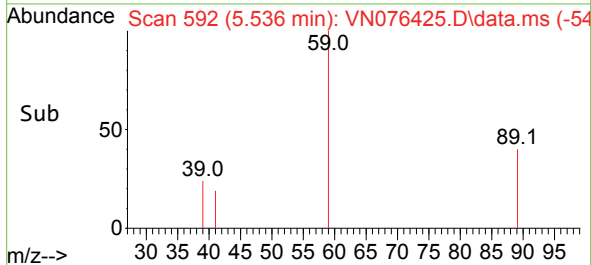
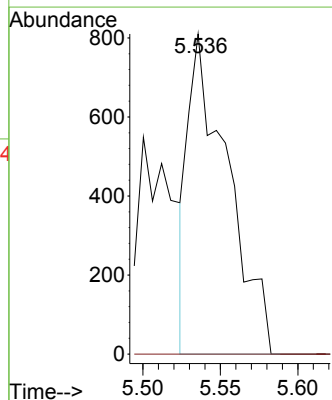
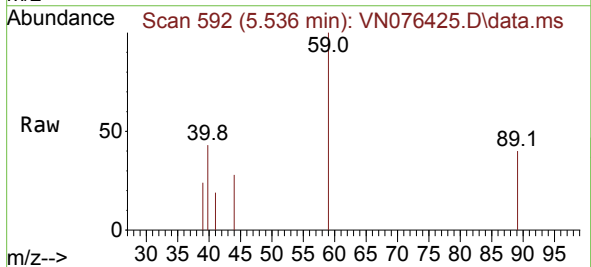
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MSVOA_N
ClientSampleId :
VNJ209-STOCK

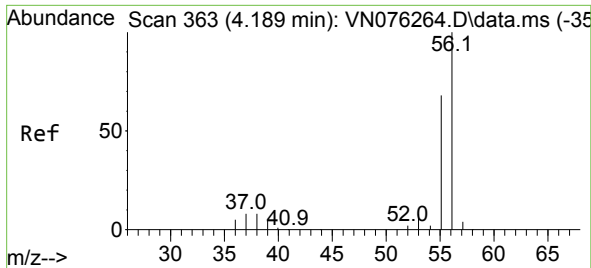
Tgt Ion:168 Resp: 374063
Ion Ratio Lower Upper
168 100
99 58.6 41.6 62.4



#11
Tert butyl alcohol
Concen: 2.560 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.006 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 59 Resp: 1434
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

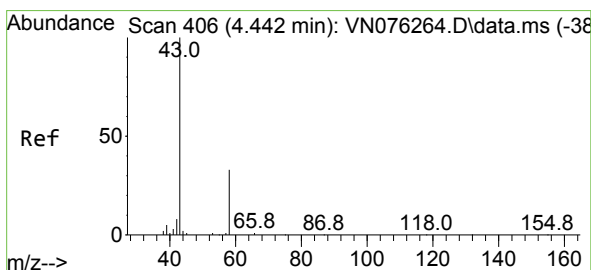
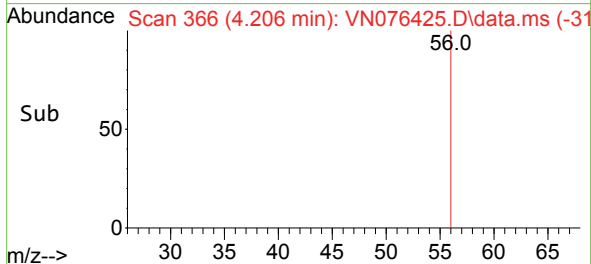
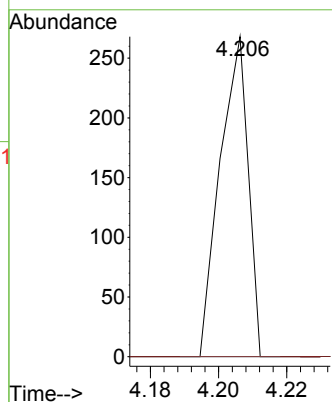
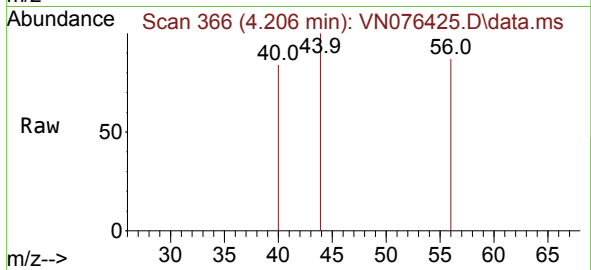




#13
Acrolein
Concen: 0.228 ug/l
RT: 4.206 min Scan# 30
Delta R.T. 0.017 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

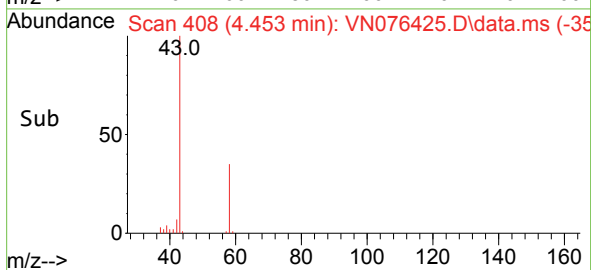
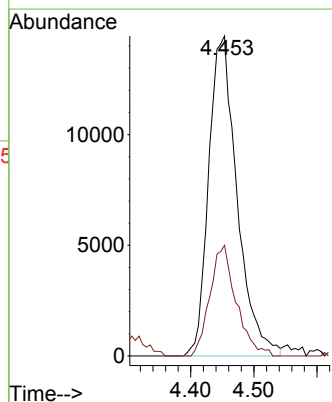
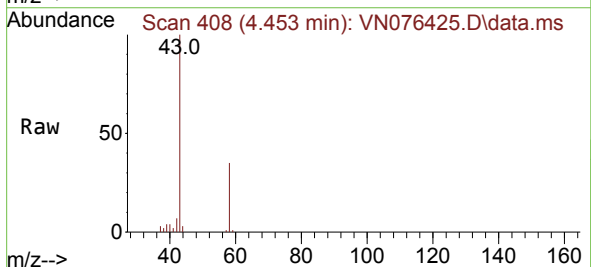
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

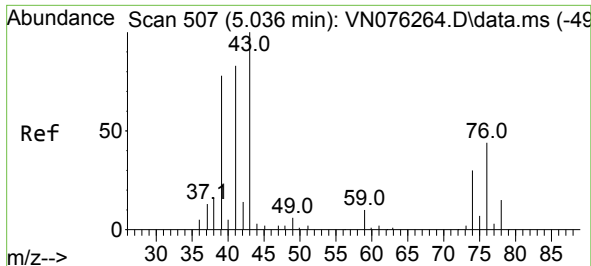
Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 33.571 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 43 Resp: 45160
Ion Ratio Lower Upper
43 100
58 34.6 26.7 40.1

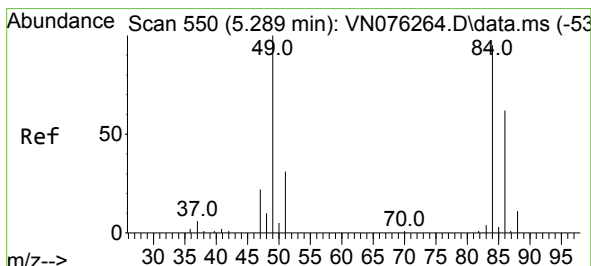
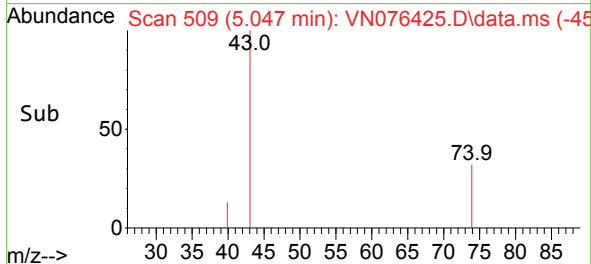
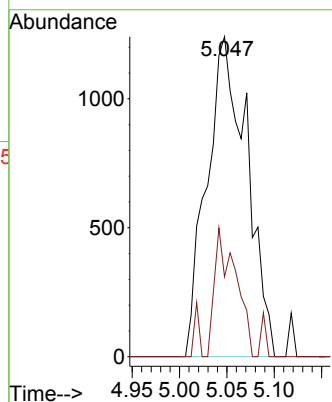
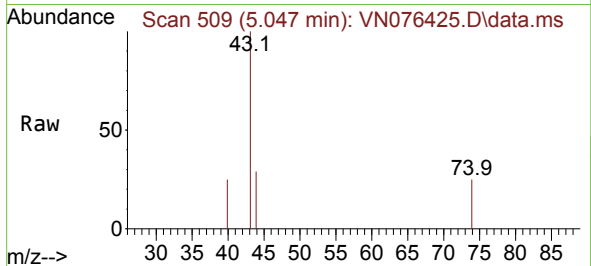




#18
Methyl Acetate
Concen: 0.803 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

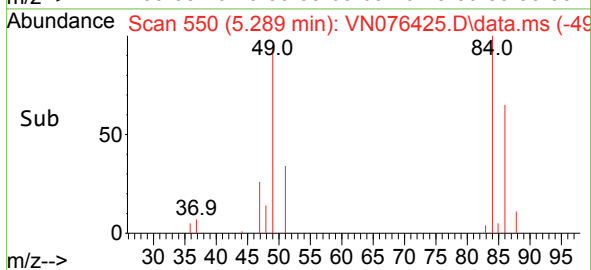
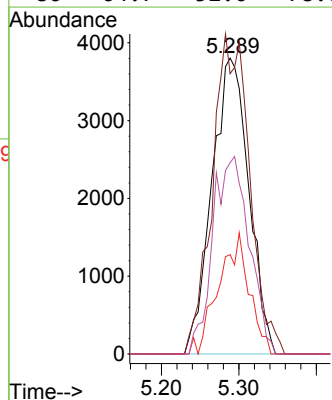
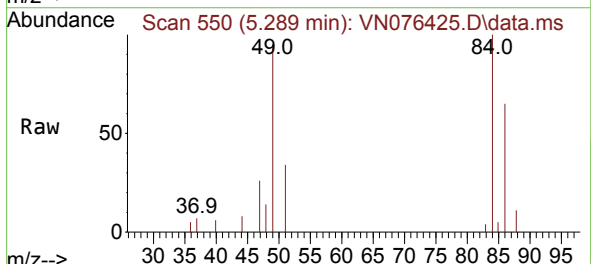
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

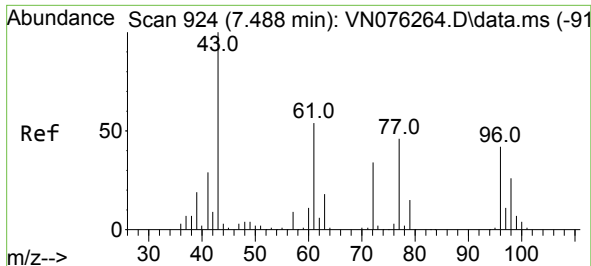
Tgt Ion: 43 Resp: 3652
Ion Ratio Lower Upper
43 100
74 21.3 23.3 34.9#



#20
Methylene Chloride
Concen: 2.598 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 84 Resp: 12590
Ion Ratio Lower Upper
84 100
49 94.8 84.5 126.7
51 33.6 26.0 39.0
86 64.7 52.0 78.0





#25

2-Butanone

Concen: 6.257 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN076425.D

Acq: 26 Jan 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

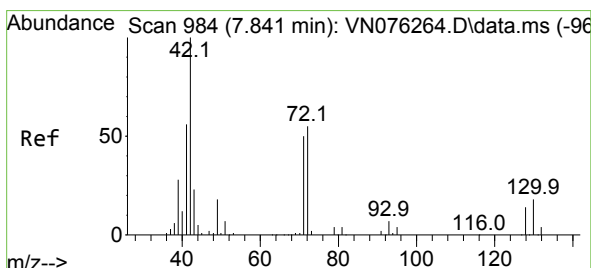
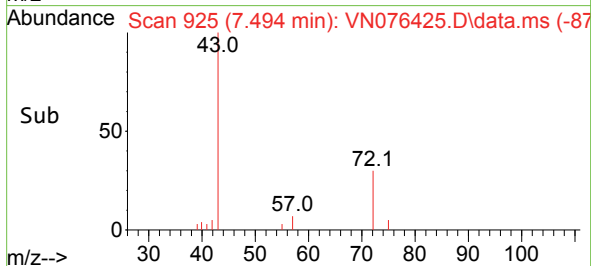
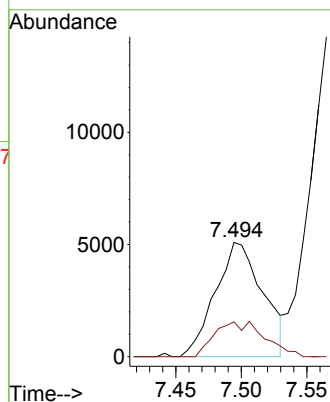
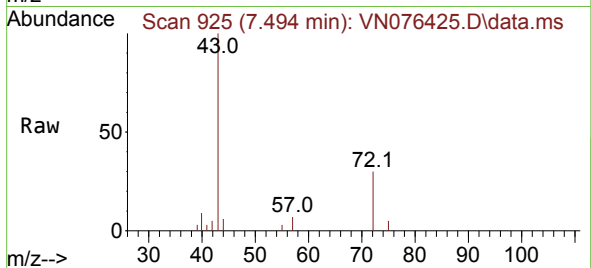
VNJ209-STOCK

Tgt Ion: 43 Resp: 12830

Ion Ratio Lower Upper

43 100

72 30.5 27.4 41.2



#29

Tetrahydrofuran

Concen: 0.311 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.018 min

Lab File: VN076425.D

Acq: 26 Jan 2023 17:13

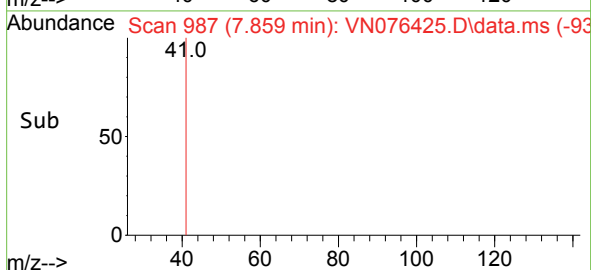
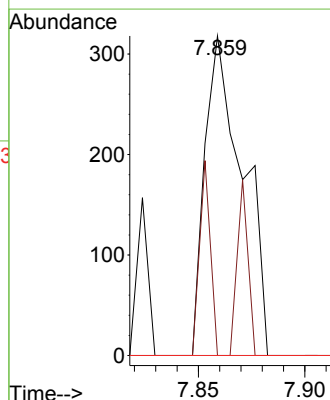
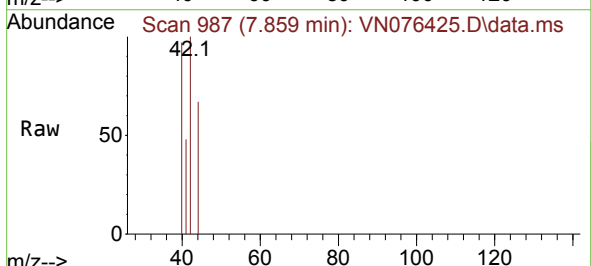
Tgt Ion: 42 Resp: 393

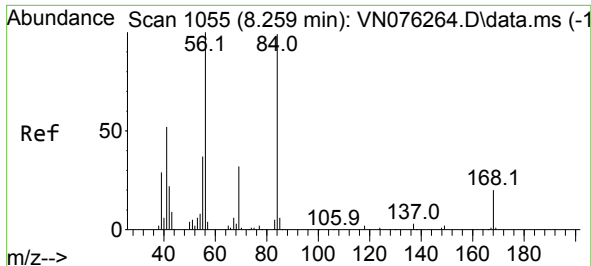
Ion Ratio Lower Upper

42 100

72 17.3 44.0 66.0#

71 0.0 41.1 61.7#

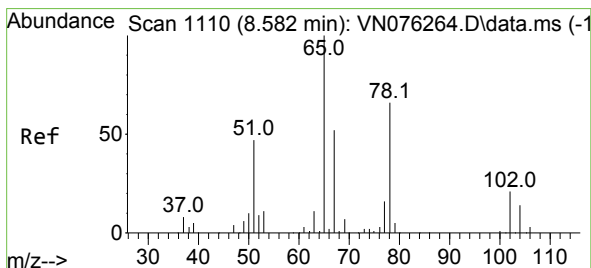
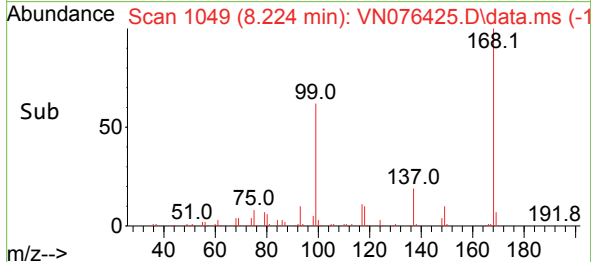
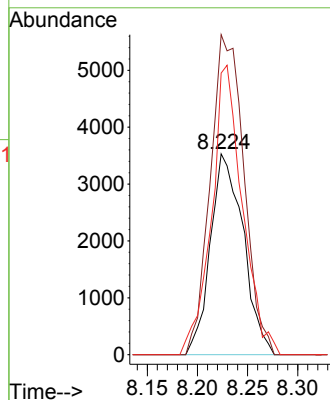
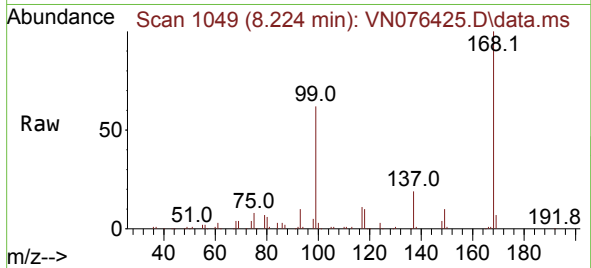




#31
Cyclohexane
Concen: 1.248 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

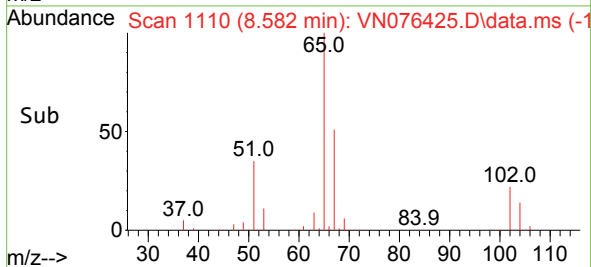
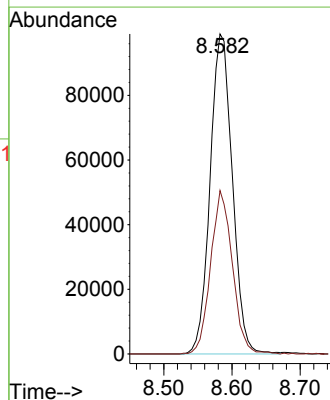
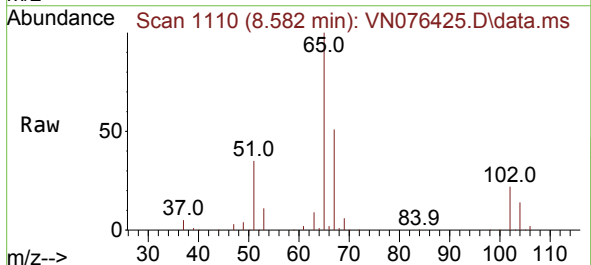
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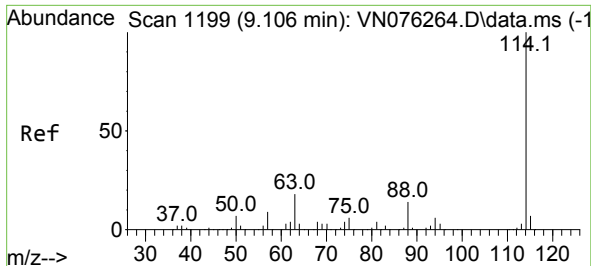
Tgt Ion: 56 Resp: 8028
Ion Ratio Lower Upper
56 100
69 159.4 25.8 38.8#
84 140.3 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 53.733 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 65 Resp: 225050
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.6

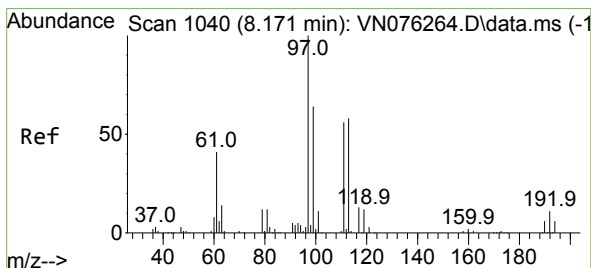
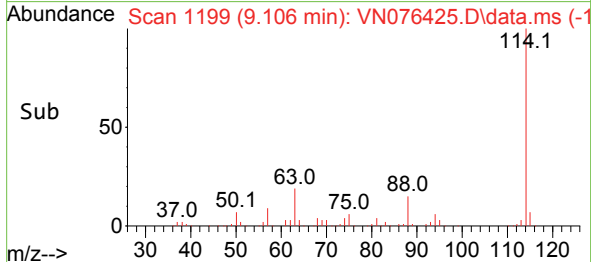
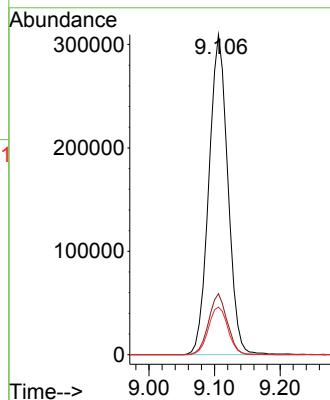
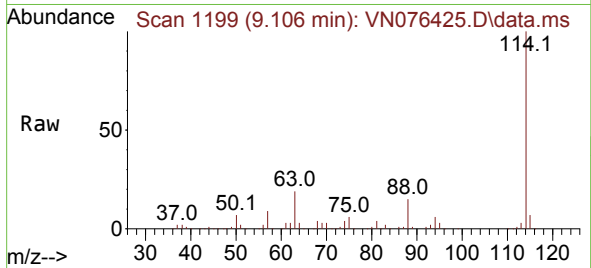




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

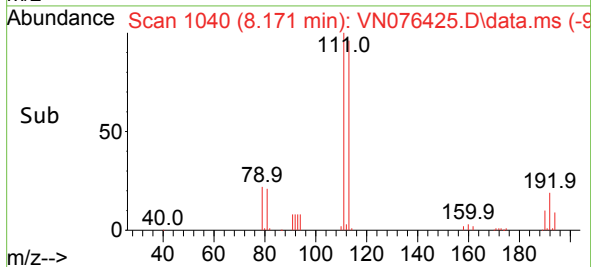
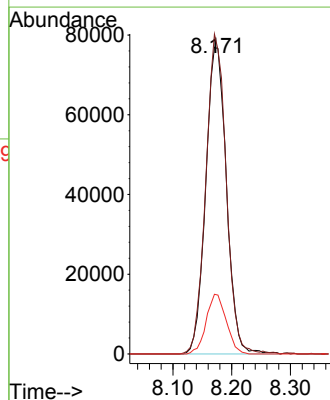
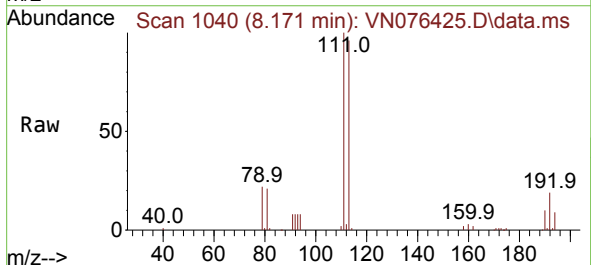
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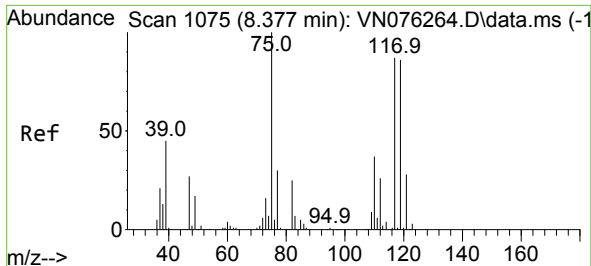
Tgt Ion:114 Resp: 620822
Ion Ratio Lower Upper
114 100
63 19.0 0.0 35.8
88 14.9 0.0 28.0



#35
Dibromofluoromethane
Concen: 48.789 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion:113 Resp: 189471
Ion Ratio Lower Upper
113 100
111 101.7 82.7 124.1
192 18.7 15.6 23.4

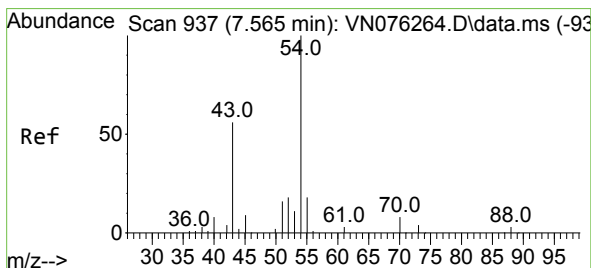
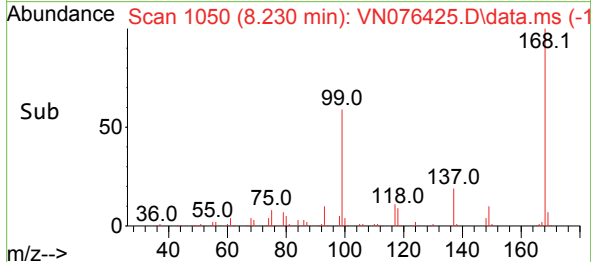
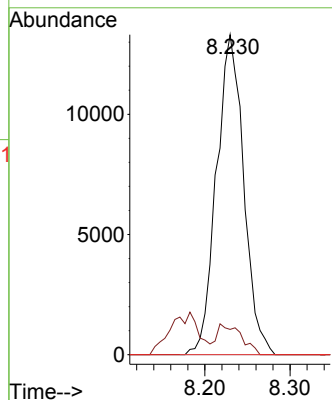
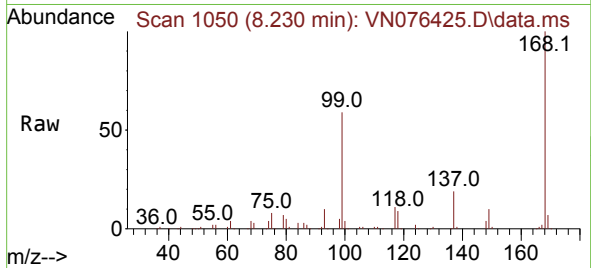




#36
1,1-Dichloropropene
Concen: 5.349 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

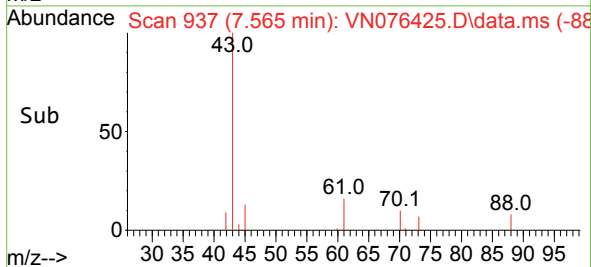
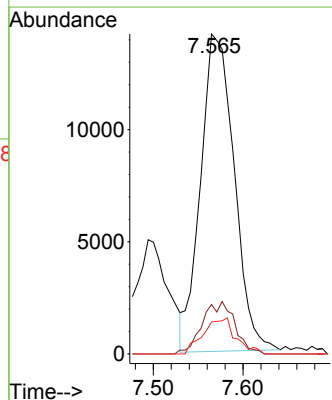
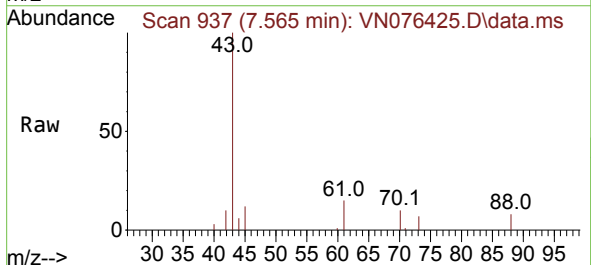
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

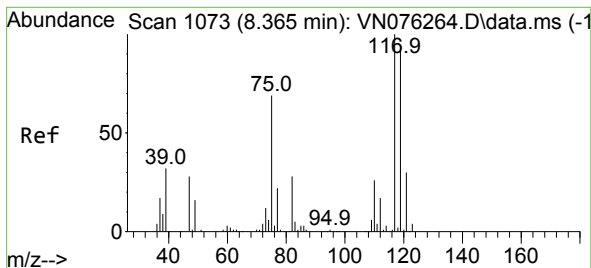
Tgt Ion: 75 Resp: 29518
Ion Ratio Lower Upper
75 100
110 8.6 18.8 56.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 8.350 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 43 Resp: 36823
Ion Ratio Lower Upper
43 100
61 8.2 11.1 16.7#
70 10.9 10.0 15.0





#38

Carbon Tetrachloride

Concen: 6.449 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN076425.D

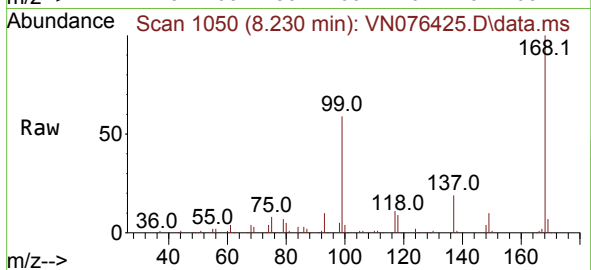
Acq: 26 Jan 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VNJ209-STOCK



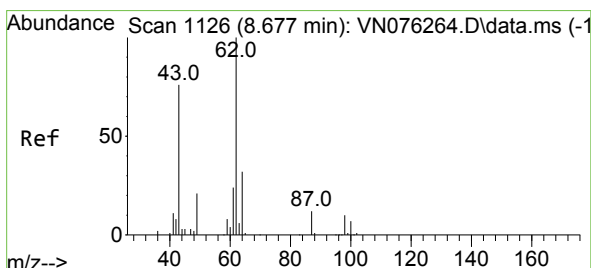
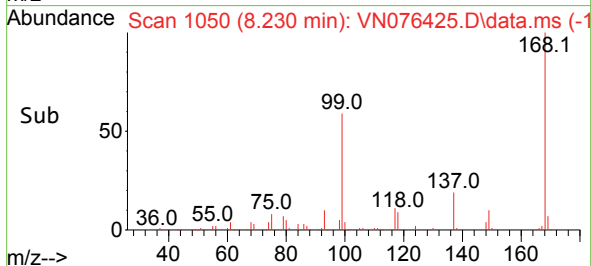
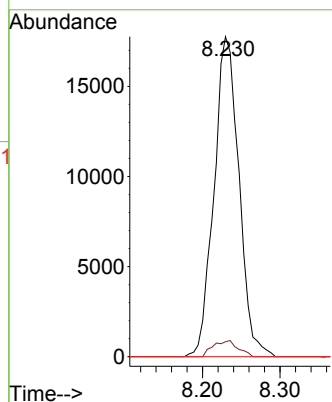
Tgt Ion:117 Resp: 39689

Ion Ratio Lower Upper

117 100

119 4.7 75.4 113.0#

121 0.0 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 0.316 ug/l

RT: 8.682 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN076425.D

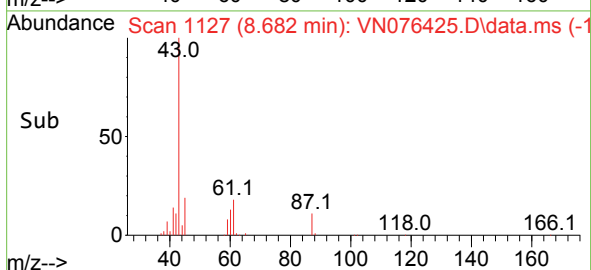
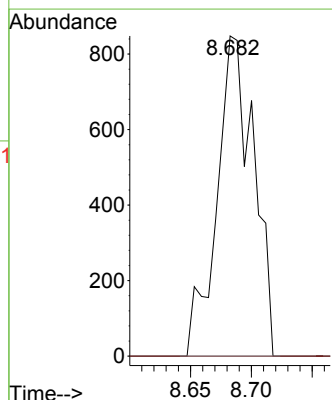
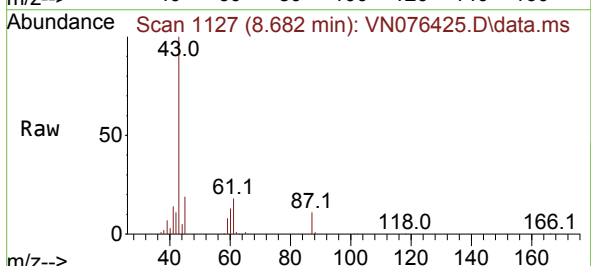
Acq: 26 Jan 2023 17:13

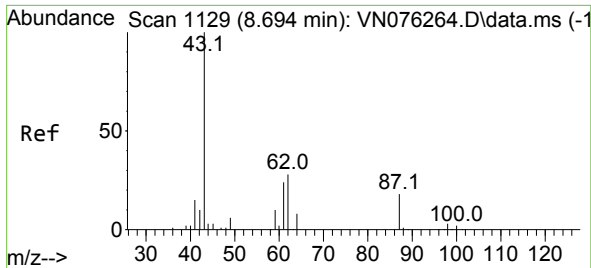
Tgt Ion: 62 Resp: 1784

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4

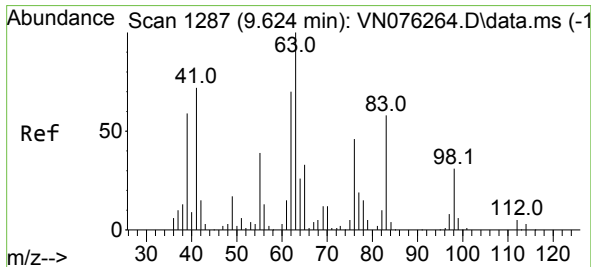
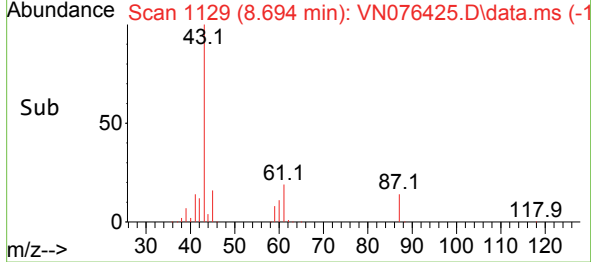
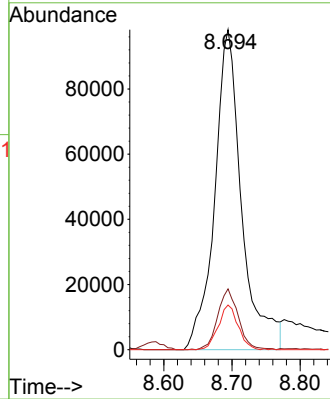
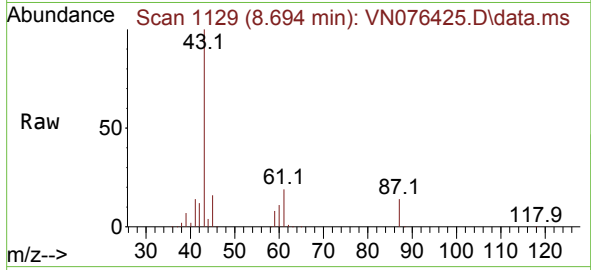




#43
Isopropyl Acetate
Concen: 37.602 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

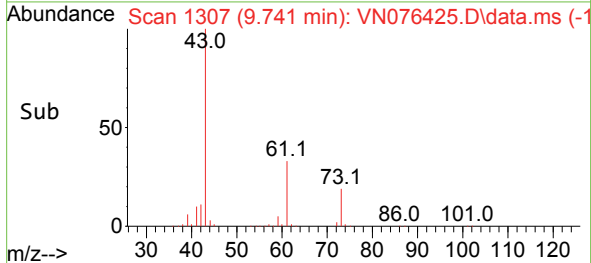
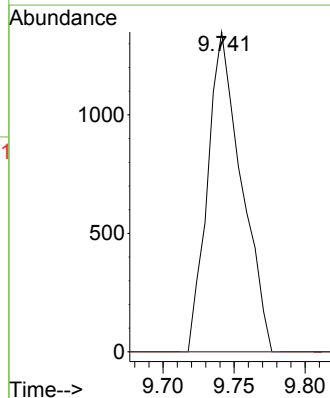
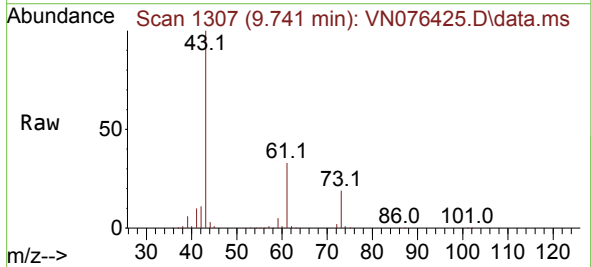
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

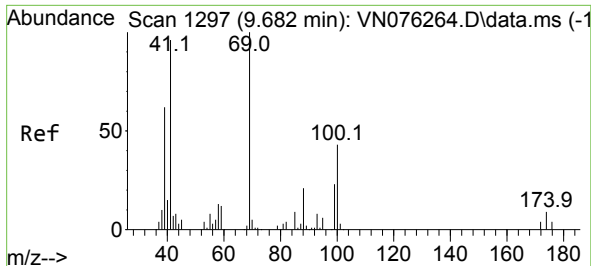
Tgt Ion: 43 Resp: 270758
Ion Ratio Lower Upper
43 100
61 14.5 23.5 35.3#
87 10.2 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.566 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 63 Resp: 2236
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

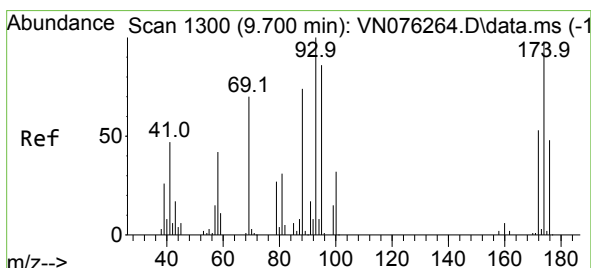
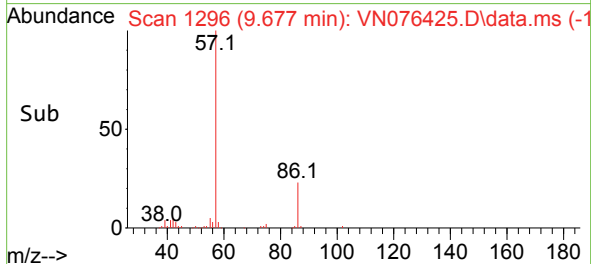
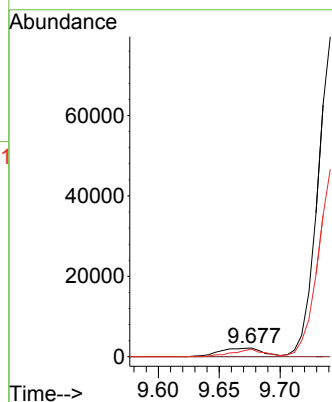
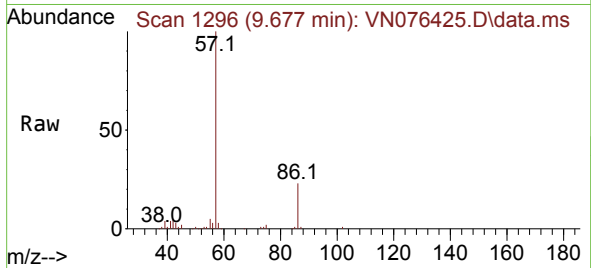




#48
Methyl methacrylate
Concen: 1.550 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

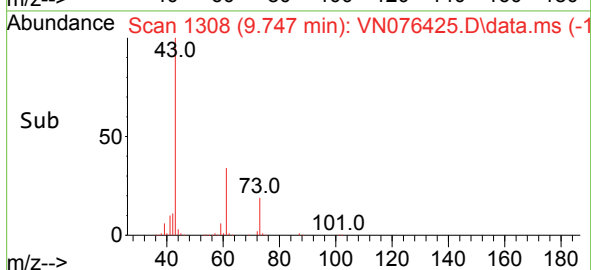
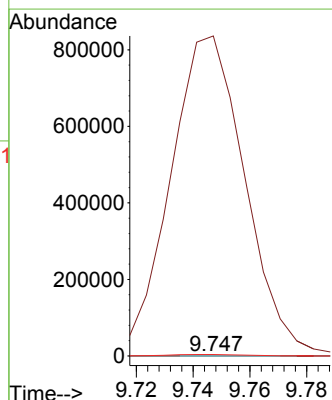
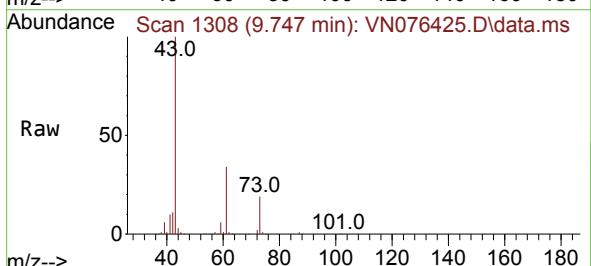
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

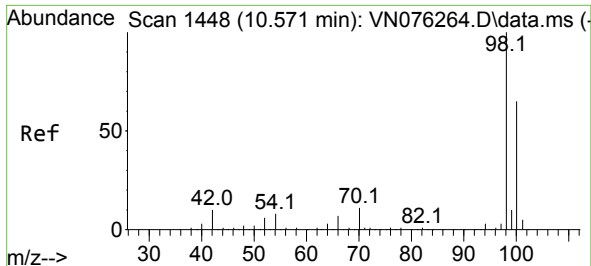
Tgt Ion: 41 Resp: 5285
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 63.1 54.4 81.6



#49
1,4-Dioxane
Concen: 1.682 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.047 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 1278489.3 18.1 27.1#
58 6247.1 46.5 69.7#

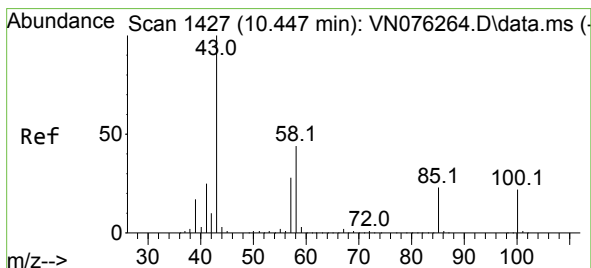
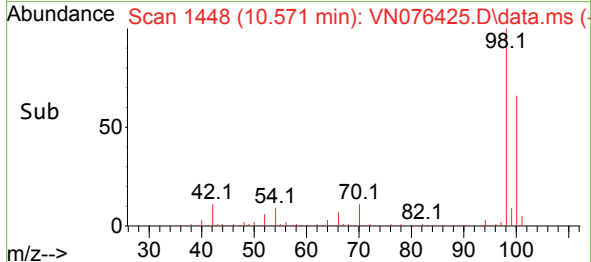
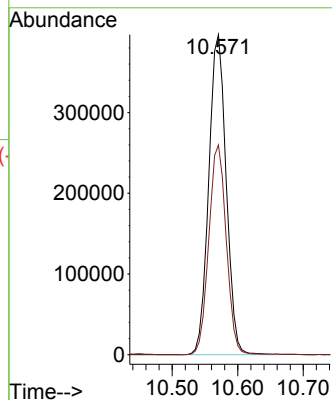
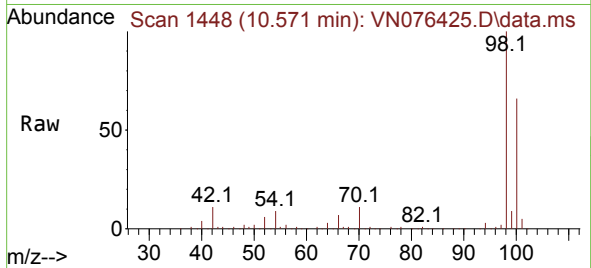




#50
Toluene-d8
Concen: 51.092 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

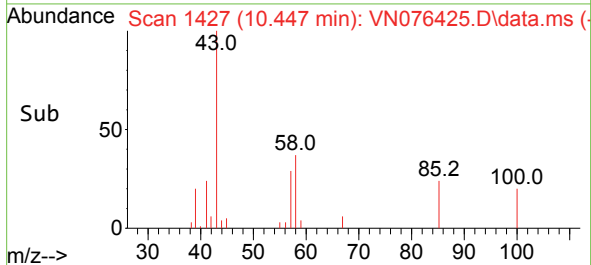
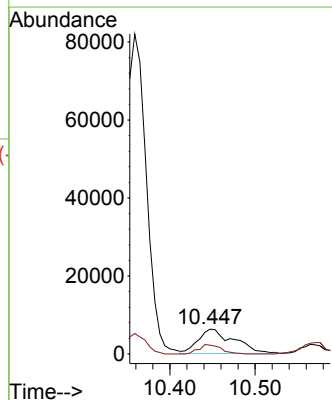
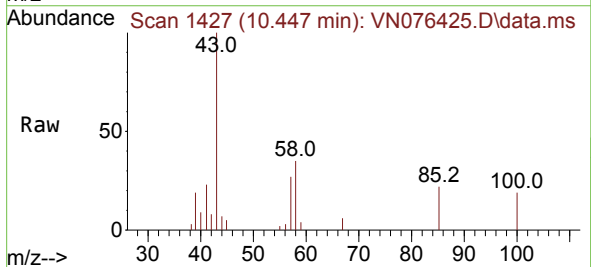
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

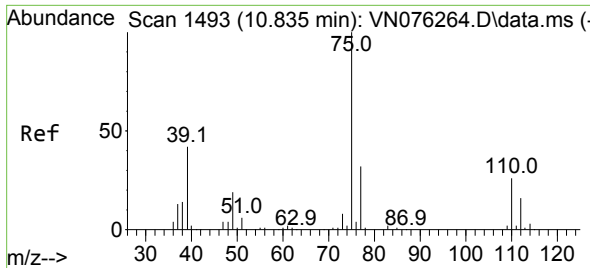
Tgt Ion: 98 Resp: 732777
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 4.344 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 43 Resp: 18362
Ion Ratio Lower Upper
43 100
58 23.6 35.1 52.7#

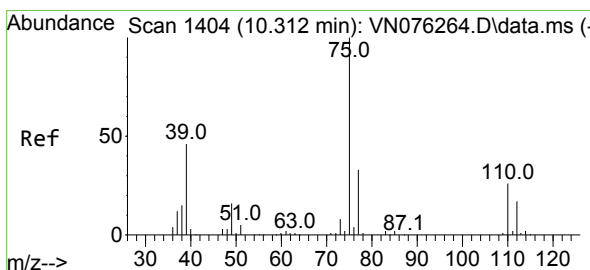
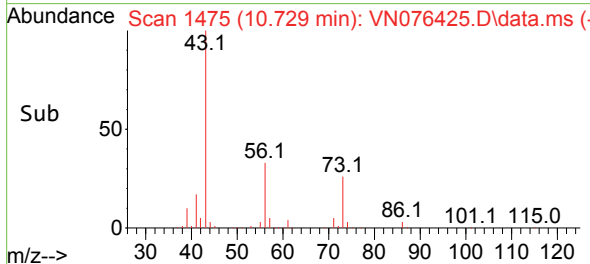
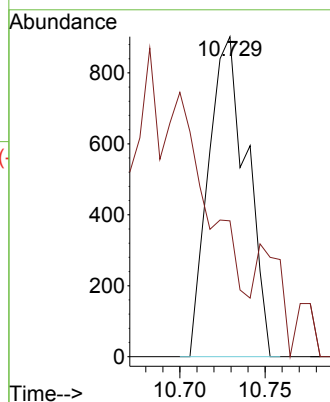
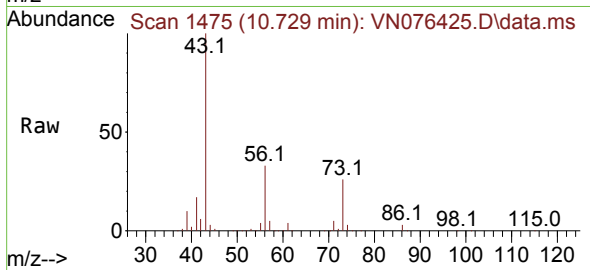




#53
 t-1,3-Dichloropropene
 Concen: 0.255 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076425.D
 Acq: 26 Jan 2023 17:13

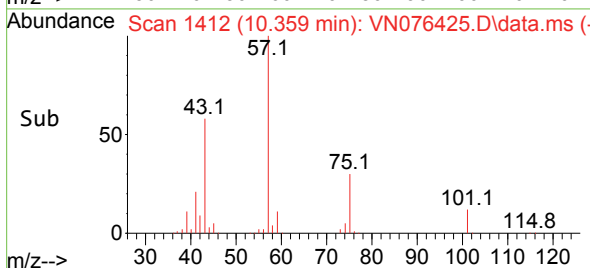
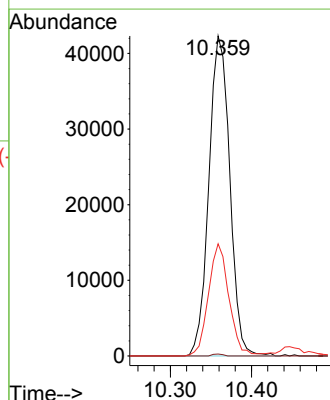
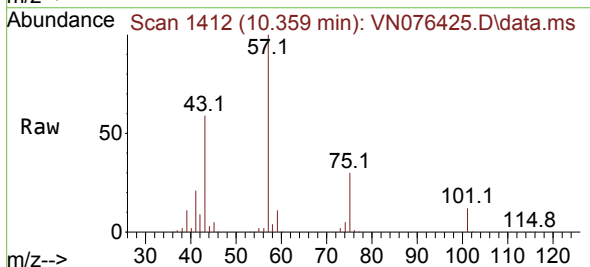
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ209-STOCK

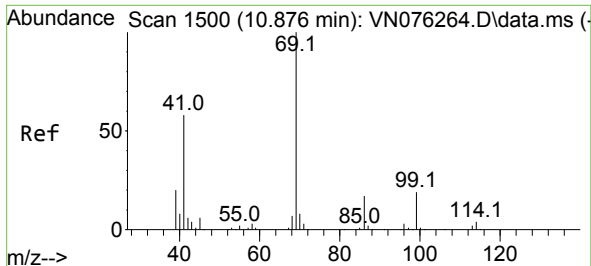
Tgt Ion: 75 Resp: 1407
 Ion Ratio Lower Upper
 75 100
 77 12.1 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 11.941 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076425.D
 Acq: 26 Jan 2023 17:13

Tgt Ion: 75 Resp: 75761
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.5 39.7#
 39 35.0 37.1 55.7#

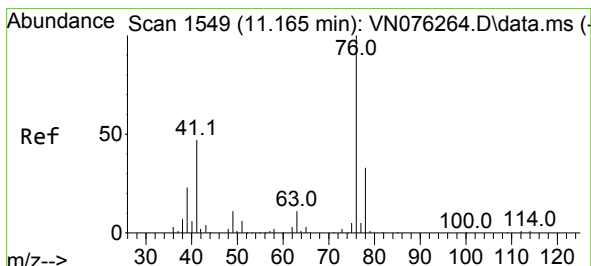
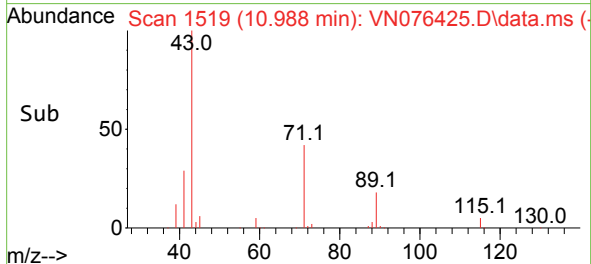
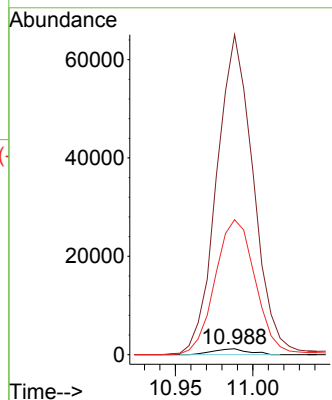
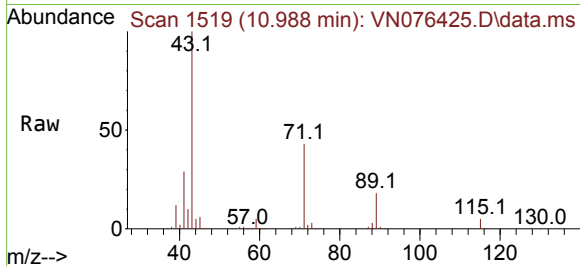




#56
Ethyl methacrylate
Concen: 0.353 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

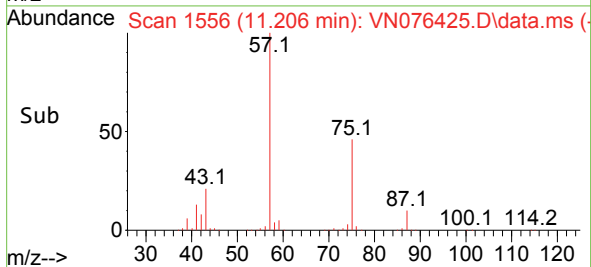
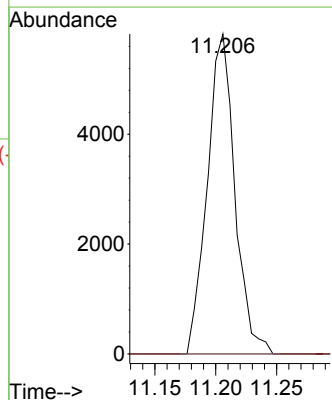
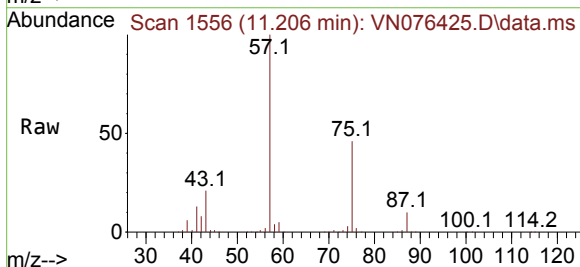
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

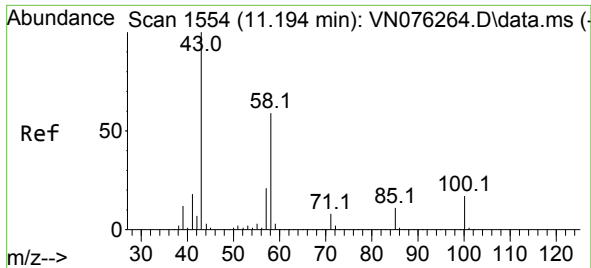
Tgt Ion: 69 Resp: 1922
Ion Ratio Lower Upper
69 100
41 5591.6 45.3 67.9#
39 2596.7 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.342 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 76 Resp: 9201
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

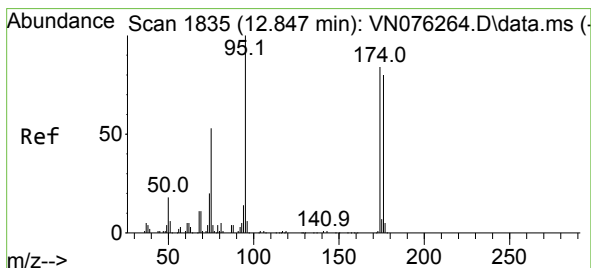
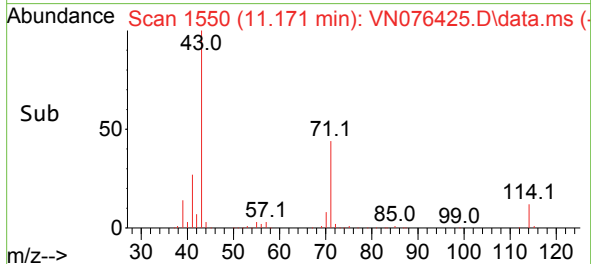
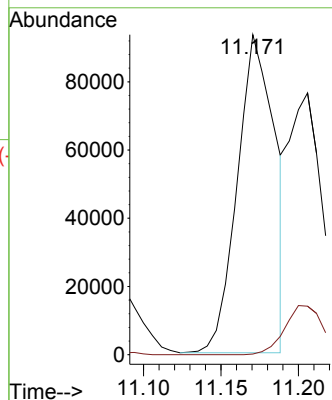
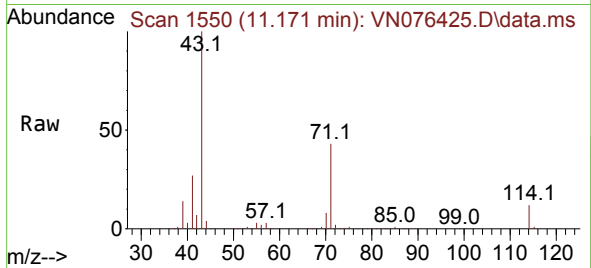




#59
2-Hexanone
Concen: 51.310 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.023 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

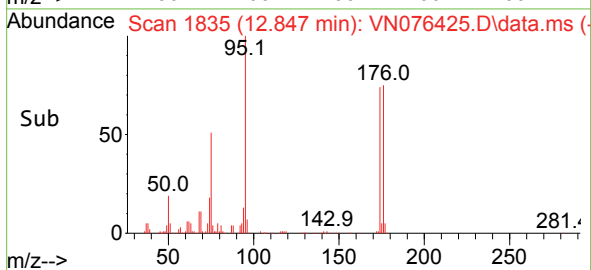
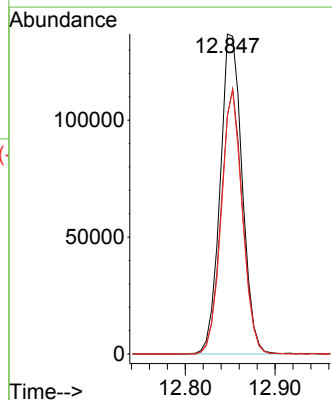
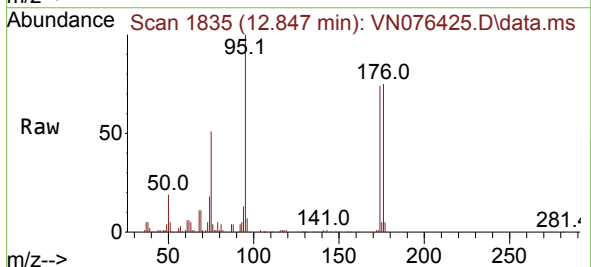
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ClientSampleId :
VNJ209-STOCK

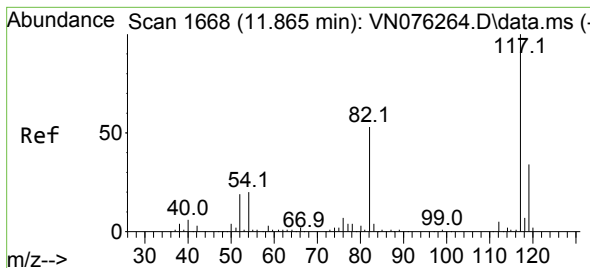
Tgt Ion: 43 Resp: 157170
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 49.813 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 95 Resp: 233228
Ion Ratio Lower Upper
95 100
174 80.5 0.0 174.6
176 78.5 0.0 167.8

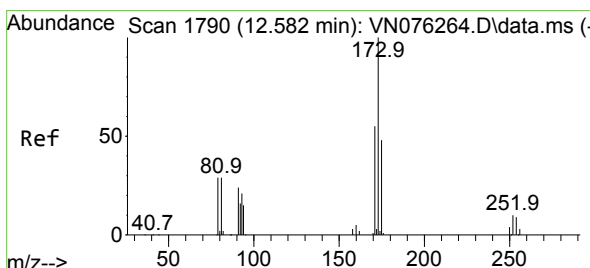
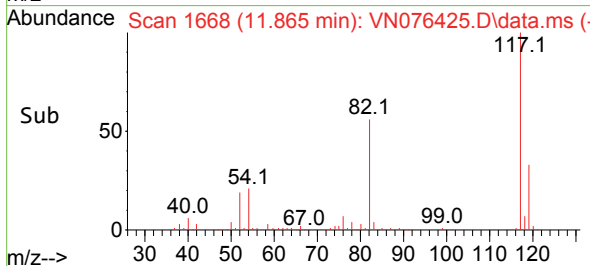
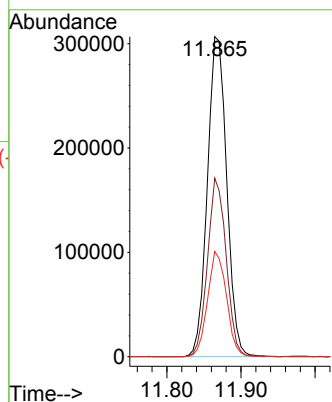
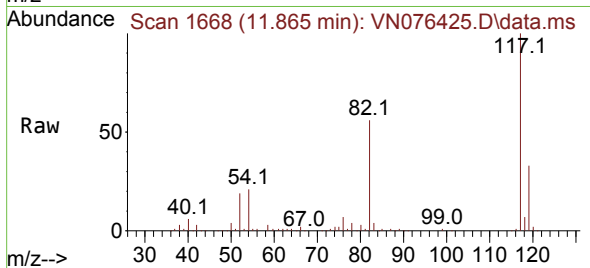




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

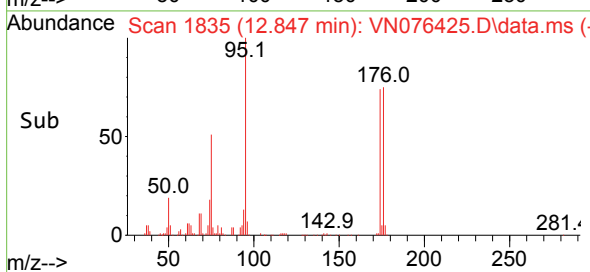
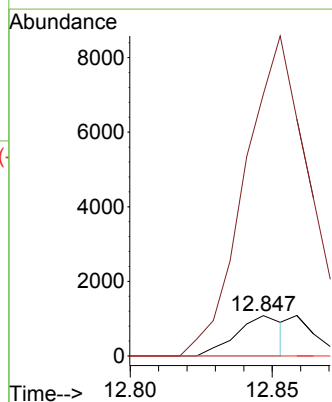
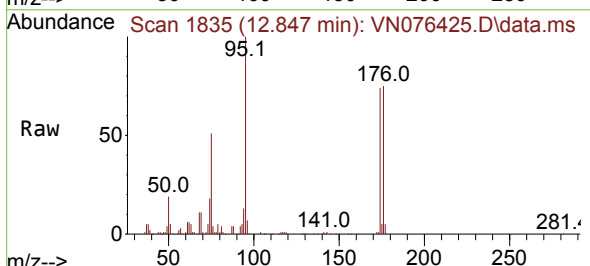
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

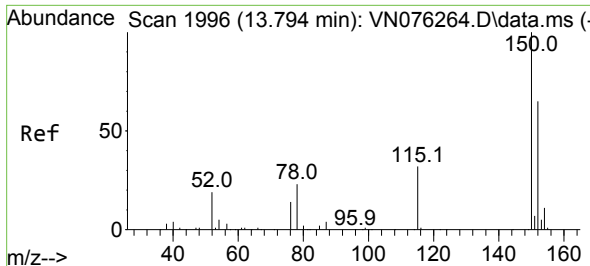
Tgt Ion:117 Resp: 556121
Ion Ratio Lower Upper
117 100
82 55.8 42.2 63.2
119 32.8 26.9 40.3



#71
Bromoform
Concen: 0.389 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion:173 Resp: 1229
Ion Ratio Lower Upper
173 100
175 897.7 24.1 72.4#
254 0.0 0.0 0.0

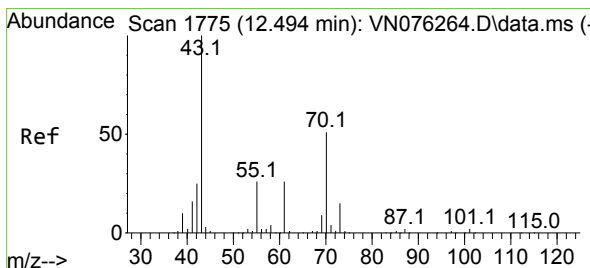
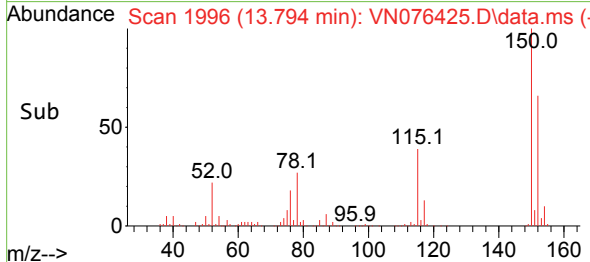
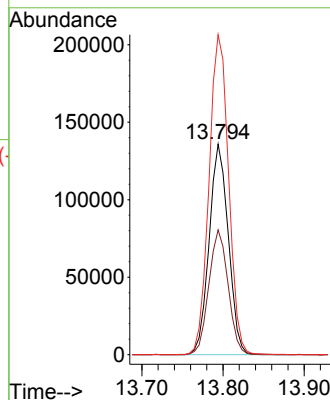
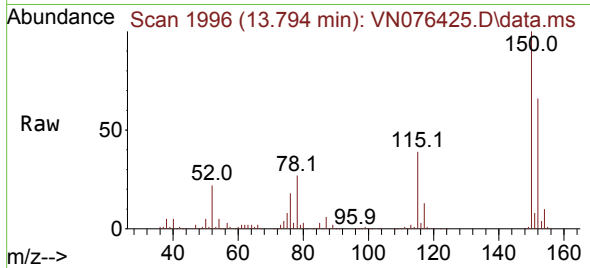




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN076425.D
 Acq: 26 Jan 2023 17:13

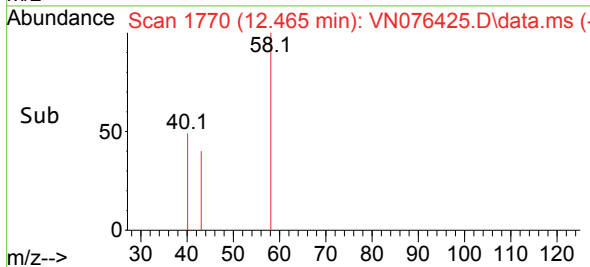
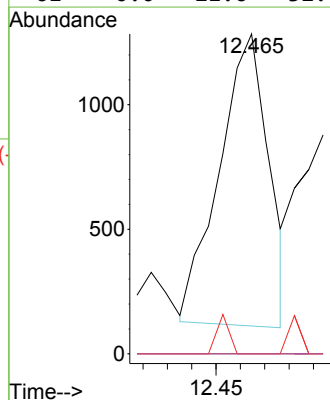
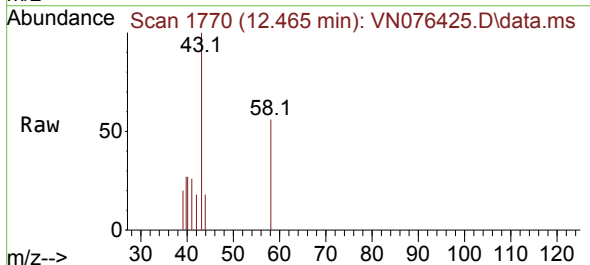
Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ209-STOCK

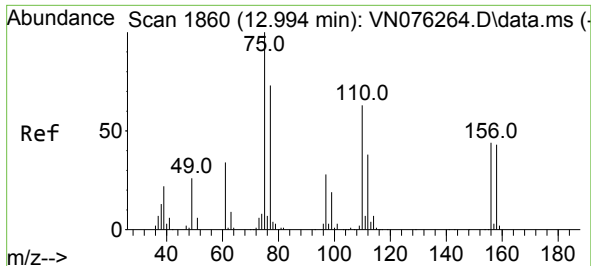
Tgt Ion:152 Resp: 222924
 Ion Ratio Lower Upper
 152 100
 115 59.5 29.6 88.9
 150 155.2 0.0 351.4



#74
 N-ethyl acetate
 Concen: 0.333 ug/l
 RT: 12.465 min Scan# 1770
 Delta R.T. -0.029 min
 Lab File: VN076425.D
 Acq: 26 Jan 2023 17:13

Tgt Ion: 43 Resp: 1652
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.2 61.8#
 55 0.0 21.0 31.6#
 61 0.0 21.6 32.4#

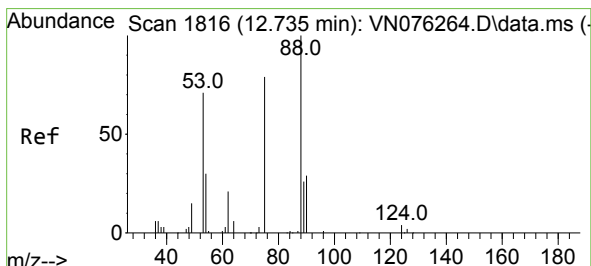
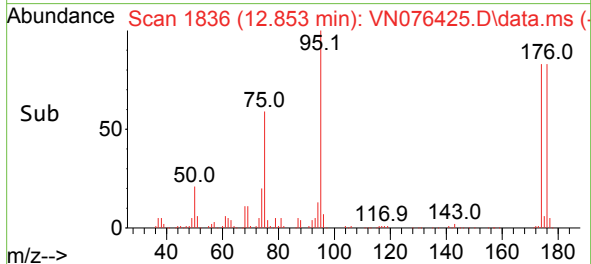
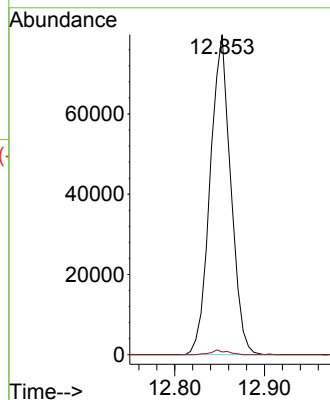
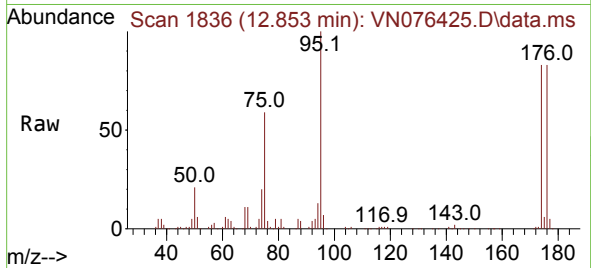




#76
1,2,3-Trichloropropane
Concen: 30.902 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

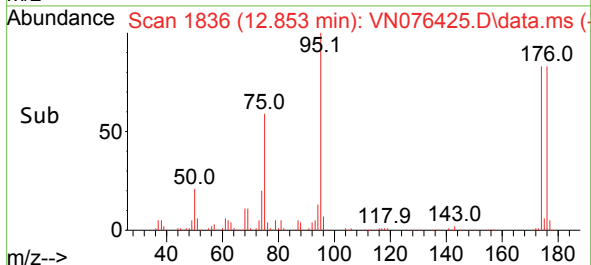
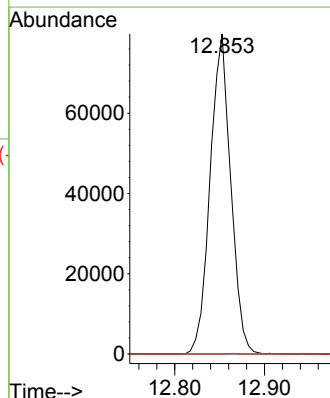
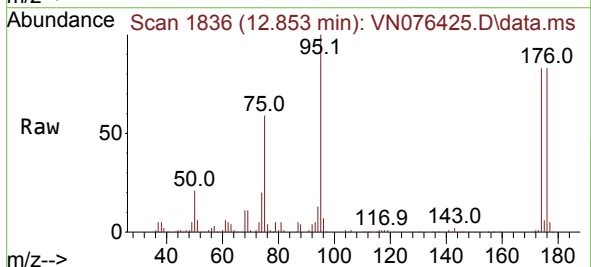
Instrument :
MSVOA_N
ClientSampleId :
VNJ209-STOCK

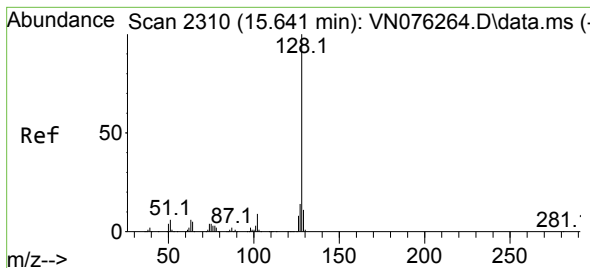
Tgt Ion: 75 Resp: 126968
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.765 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076425.D
Acq: 26 Jan 2023 17:13

Tgt Ion: 75 Resp: 126968
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 1.944 ug/l

RT: 15.653 min Scan# 2312

Delta R.T. 0.012 min

Lab File: VN076425.D

Acq: 26 Jan 2023 17:13

Instrument :

MSVOA_N

ClientSampleId :

VNJ209-STOCK

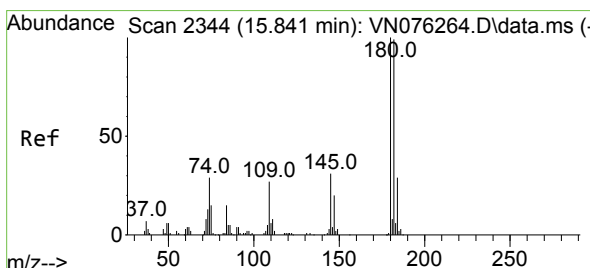
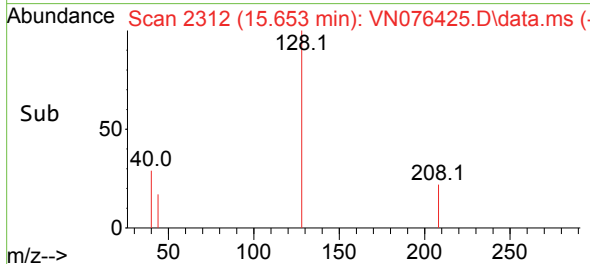
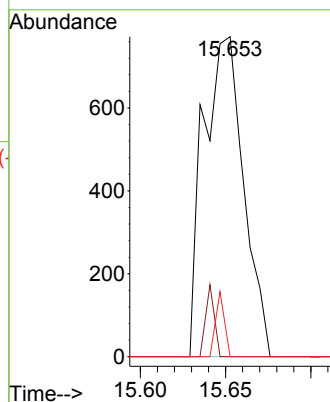
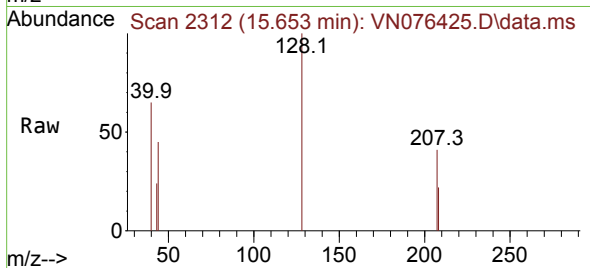
Tgt Ion:128 Resp: 1265

Ion Ratio Lower Upper

128 100

127 4.8 10.3 15.5#

129 4.3 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.170 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN076425.D

Acq: 26 Jan 2023 17:13

Tgt Ion:180 Resp: 61

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.5#

145 0.0 15.9 47.6#

