

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050522\
 Data File : VN072337.D
 Acq On : 05 May 2022 11:33
 Operator : JC\MD
 Sample : VN0505WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBL01

Quant Time: May 06 01:33:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

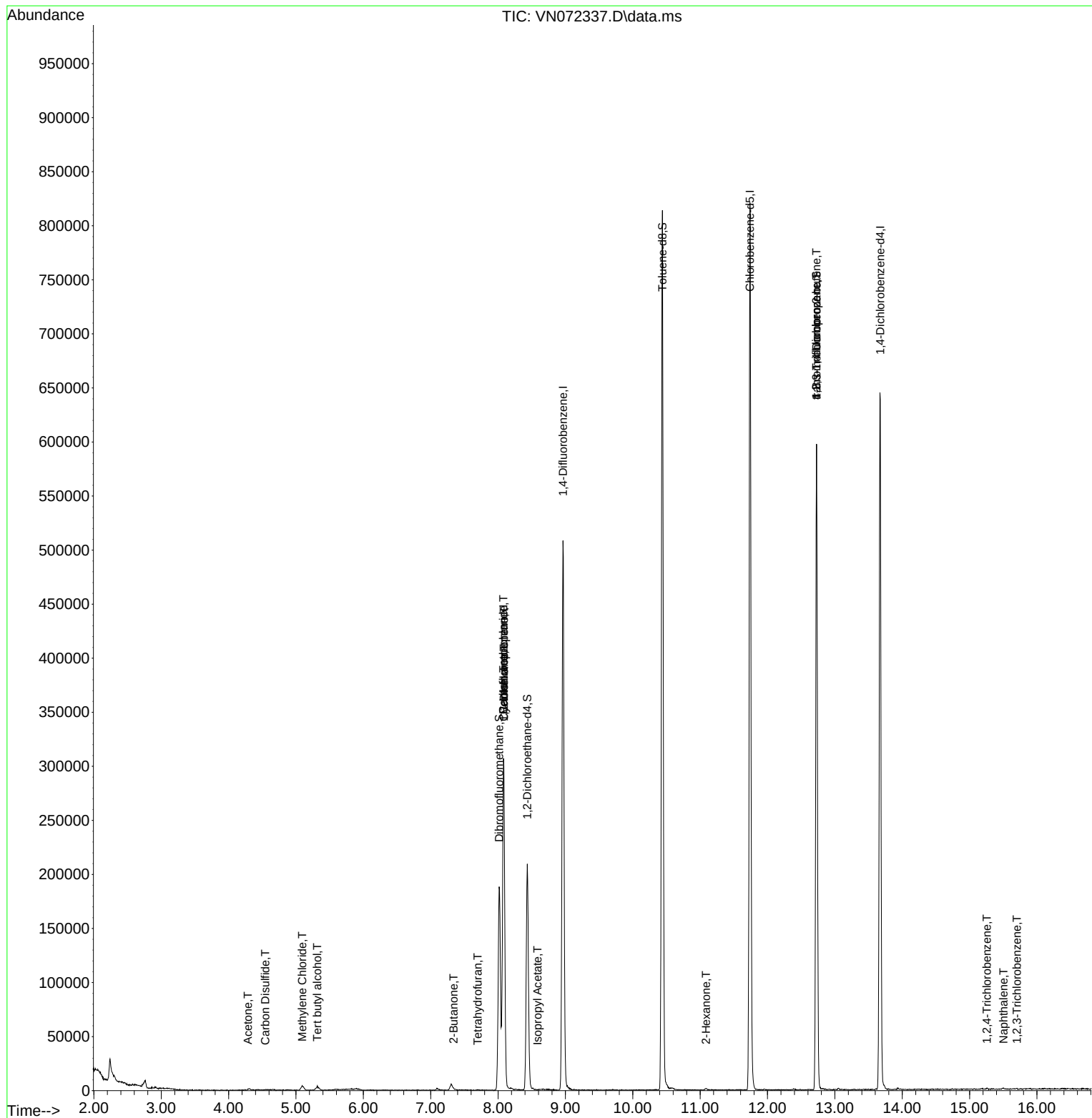
Internal Standards						
1) Pentafluorobenzene	8.081	168	218467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	426267	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	460264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	176839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	175886	52.441	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.880%			
35) Dibromofluoromethane	8.016	113	139087	50.978	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.960%			
50) Toluene-d8	10.439	98	550441	51.343	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.727	95	209796	58.957	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 117.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	659	Below Cal	#	43
5) Bromomethane	2.852	94	137	Below Cal		81
6) Chloroethane	3.010	64	719	Below Cal	#	42
11) Tert butyl alcohol	5.316	59	3333	6.047	ug/l #	72
16) Acetone	4.287	43	1556	1.076	ug/l	90
17) Carbon Disulfide	4.546	76	134	0.390	ug/l #	75
20) Methylene Chloride	5.093	84	3233	1.166	ug/l #	74
25) 2-Butanone	7.339	43	1133	0.492	ug/l #	45
29) Tetrahydrofuran	7.698	42	320	0.212	ug/l #	29
31) Cyclohexane	8.086	56	5453	1.217	ug/l #	33
36) 1,1-Dichloropropene	8.086	75	19936	5.020	ug/l #	50
38) Carbon Tetrachloride	8.081	117	24778	5.825	ug/l #	16
43) Isopropyl Acetate	8.586	43	61	0.808	ug/l #	53
59) 2-Hexanone	11.086	43	1542	0.440	ug/l	76
75) 1,1,2,2-Tetrachloroethane	12.827	83	79	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	110785	27.886	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	110785	72.437	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.257	180	255	2.509	ug/l #	12
95) Naphthalene	15.504	128	1772	4.476	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	412	2.817	ug/l #	84

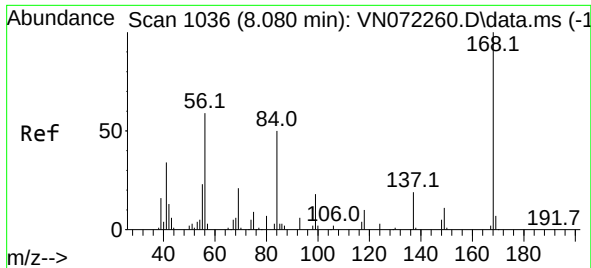
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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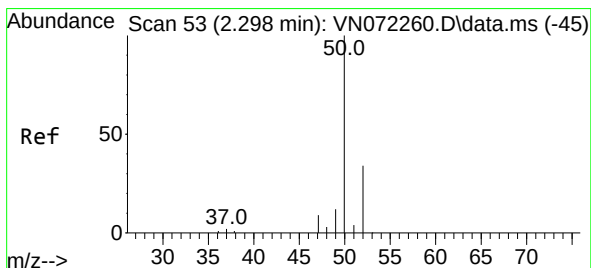
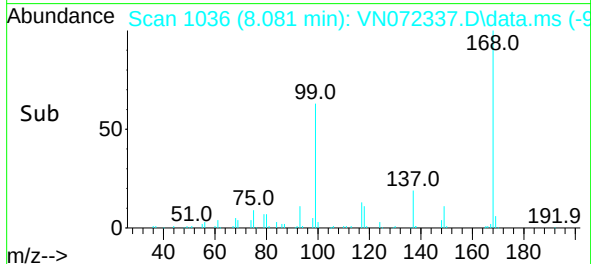
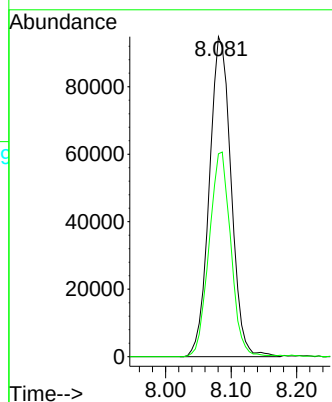
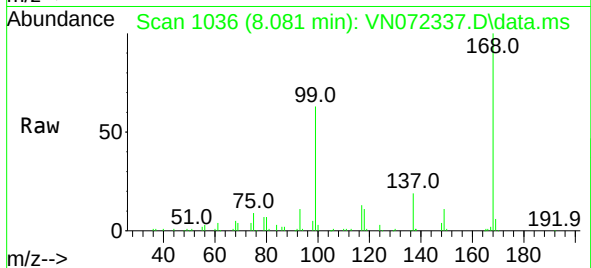




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

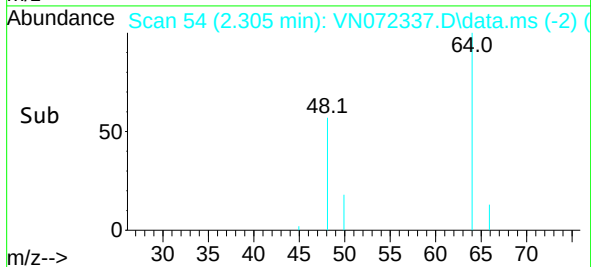
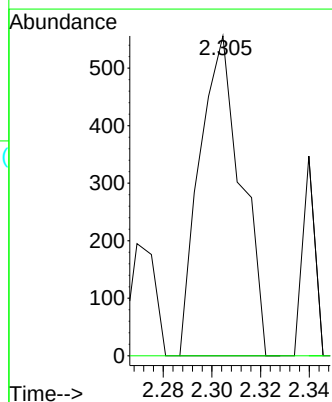
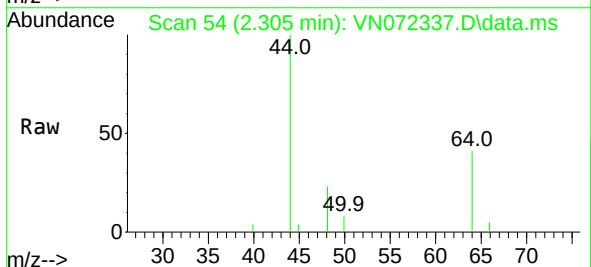
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

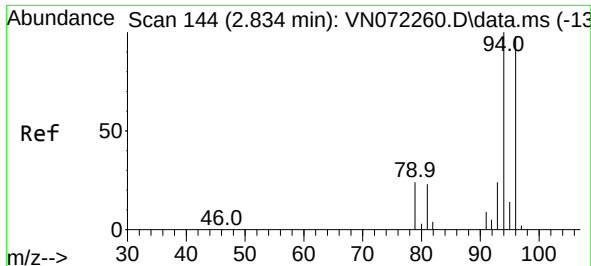
Tgt Ion:168 Resp: 218467
Ion Ratio Lower Upper
168 100
99 63.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion: 50 Resp: 659
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.852 min Scan# 14

Delta R.T. 0.018 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

Instrument :

MSVOA_N

ClientSampleId :

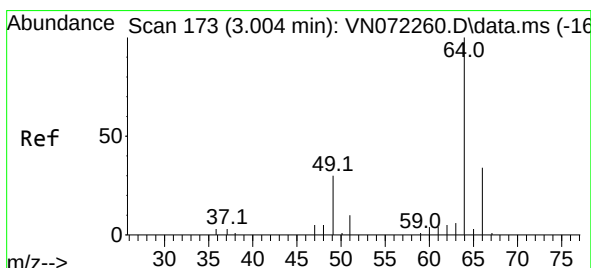
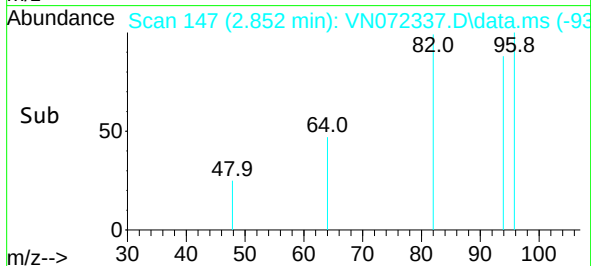
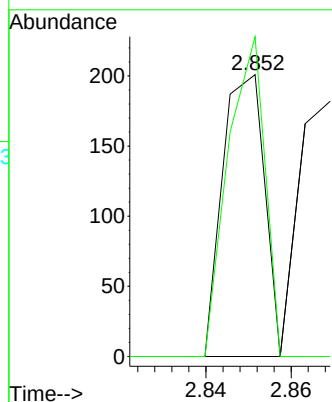
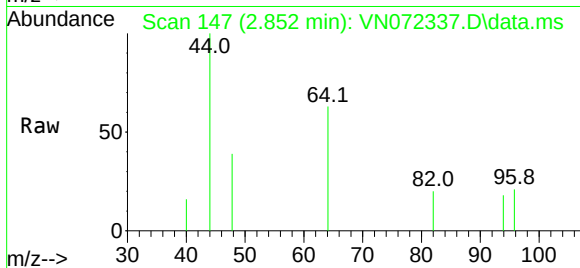
VN0505WBL01

Tgt Ion: 94 Resp: 137

Ion Ratio Lower Upper

94 100

96 113.4 76.0 114.0



#6

Chloroethane

Concen: Below Cal

RT: 3.010 min Scan# 174

Delta R.T. 0.005 min

Lab File: VN072337.D

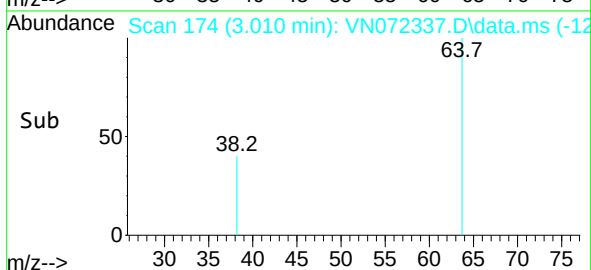
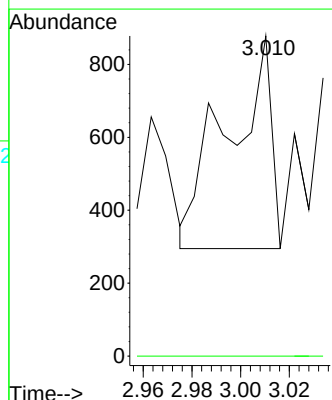
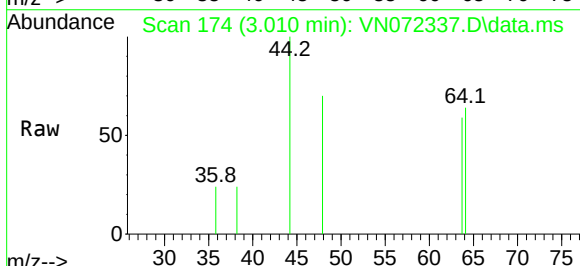
Acq: 05 May 2022 11:33

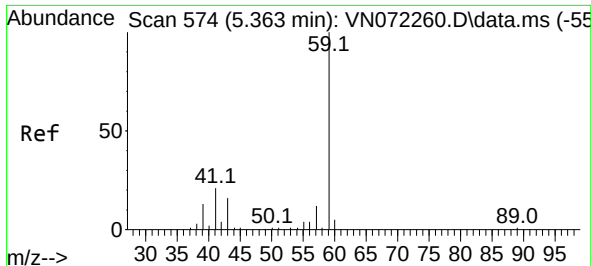
Tgt Ion: 64 Resp: 719

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

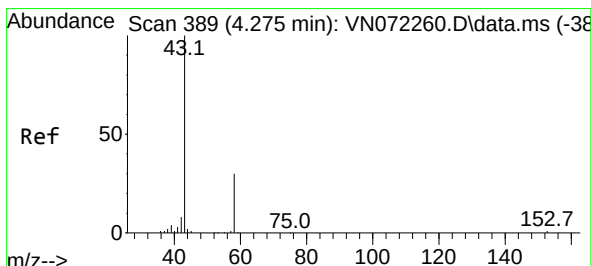
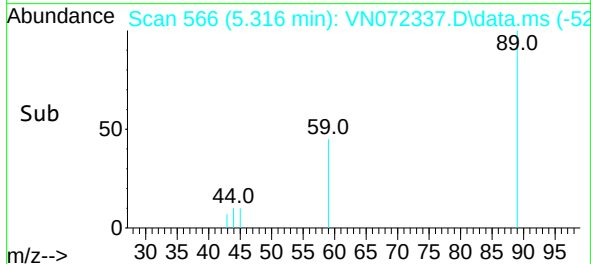
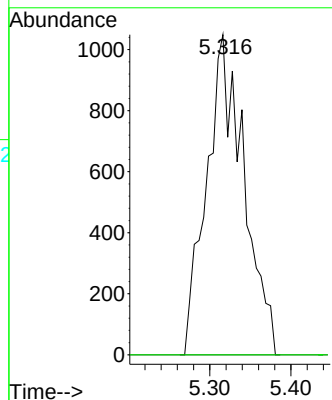
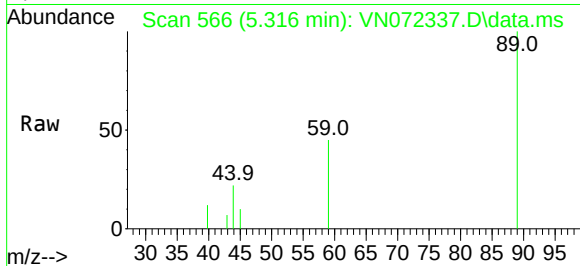




#11
Tert butyl alcohol
Concen: 6.047 ug/l
RT: 5.316 min Scan# 50
Delta R.T. -0.047 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

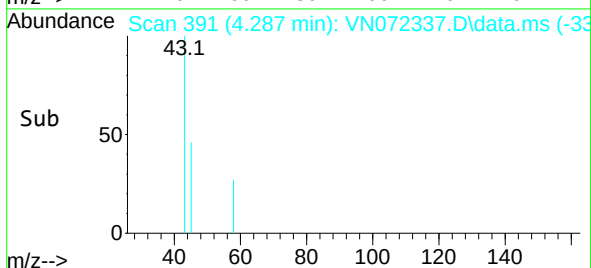
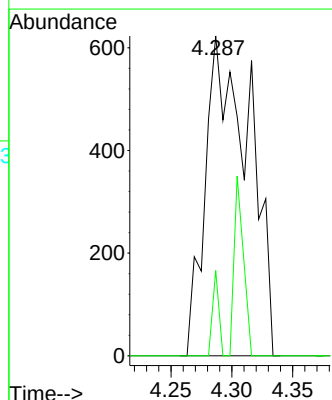
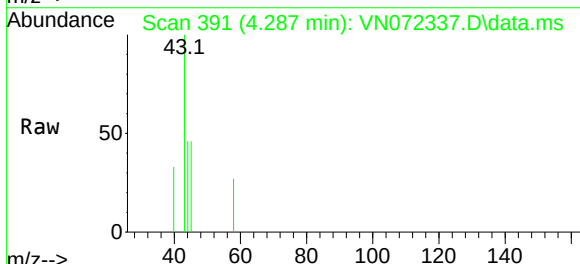
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

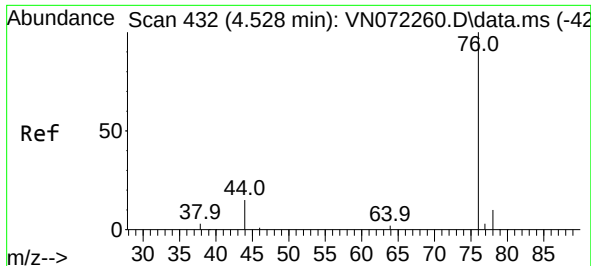
Tgt Ion: 59 Resp: 3333
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.076 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion: 43 Resp: 1556
Ion Ratio Lower Upper
43 100
58 26.6 26.0 39.0





#17

Carbon Disulfide

Concen: 0.390 ug/l

RT: 4.546 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

Instrument :

MSVOA_N

ClientSampleId :

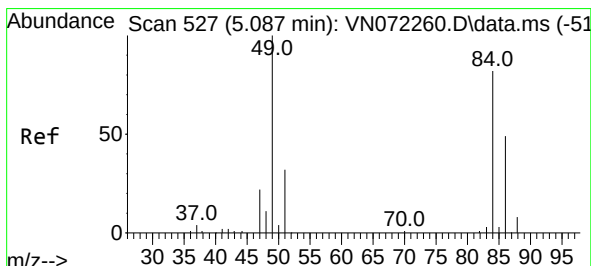
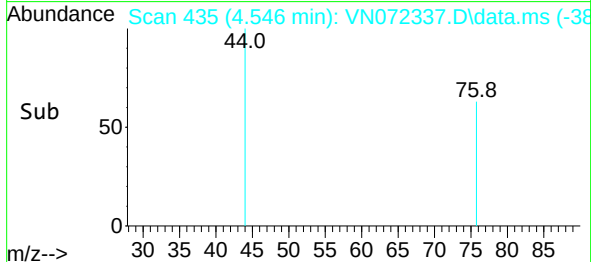
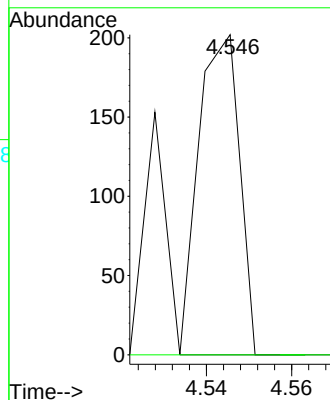
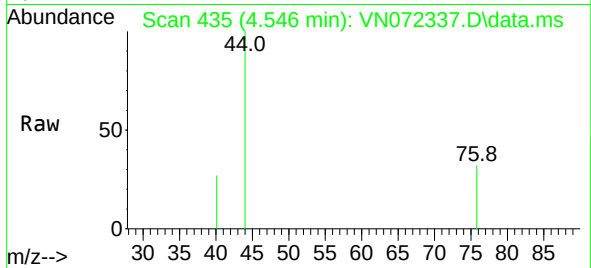
VN0505WBL01

Tgt Ion: 76 Resp: 134

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 1.166 ug/l

RT: 5.093 min Scan# 528

Delta R.T. 0.006 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

Tgt Ion: 84 Resp: 3233

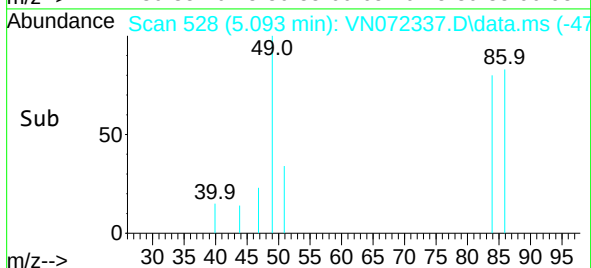
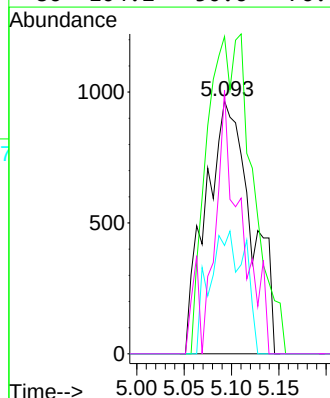
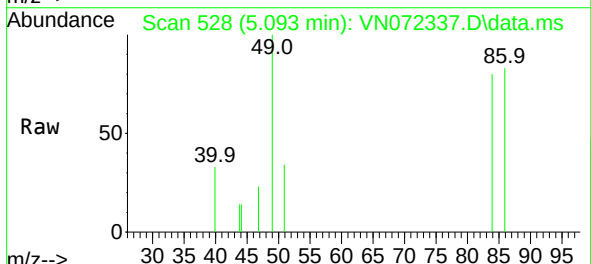
Ion Ratio Lower Upper

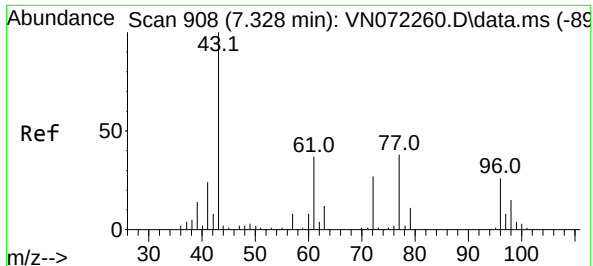
84 100

49 125.5 88.3 132.5

51 42.9 28.2 42.2#

86 104.2 50.6 76.0#





#25

2-Butanone

Concen: 0.492 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

Instrument :

MSVOA_N

ClientSampleId :

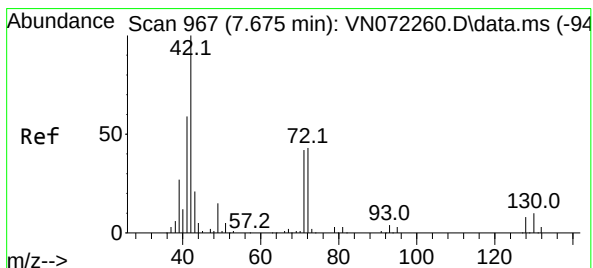
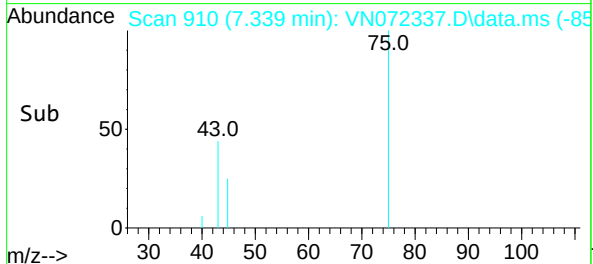
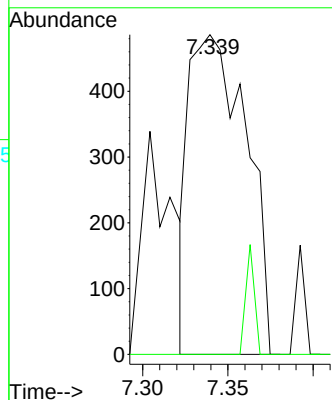
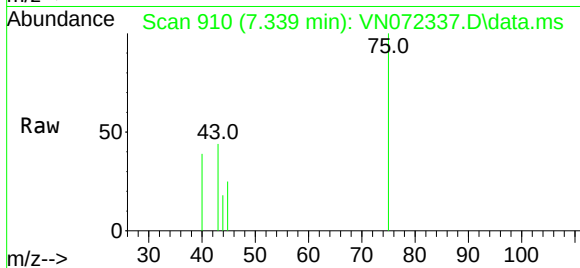
VN0505WBL01

Tgt Ion: 43 Resp: 1133

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.212 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.017 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

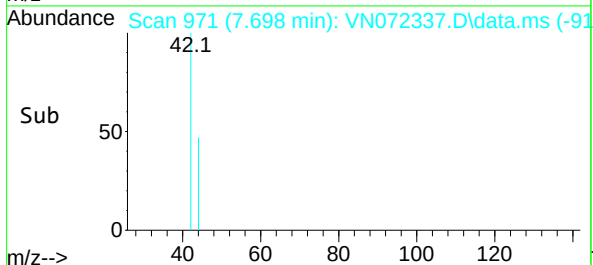
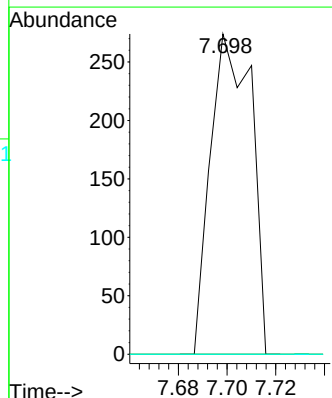
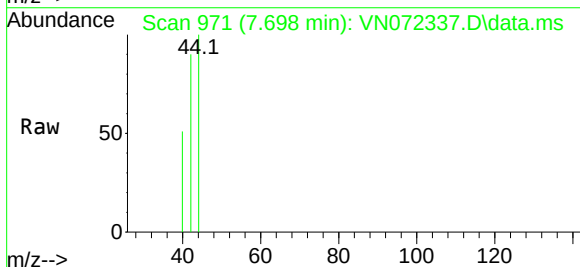
Tgt Ion: 42 Resp: 320

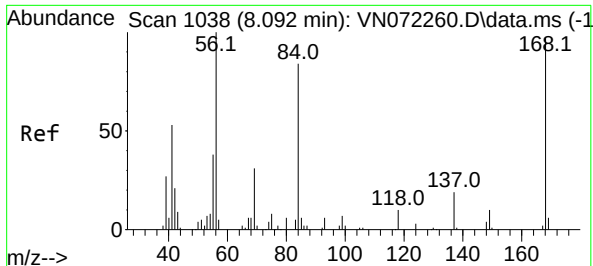
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#

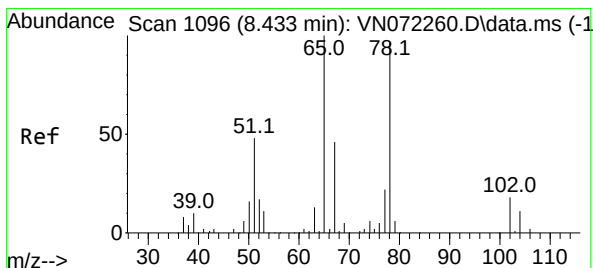
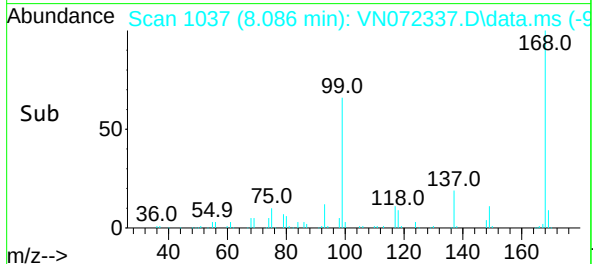
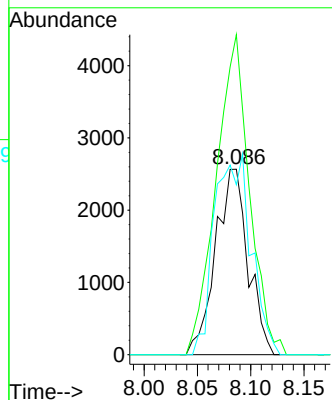
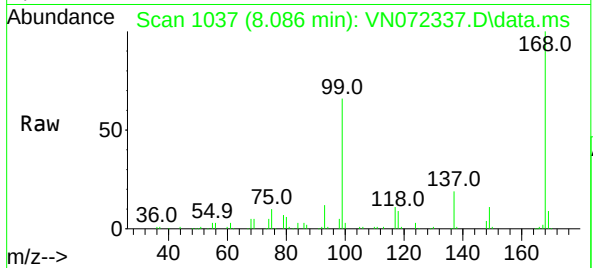




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

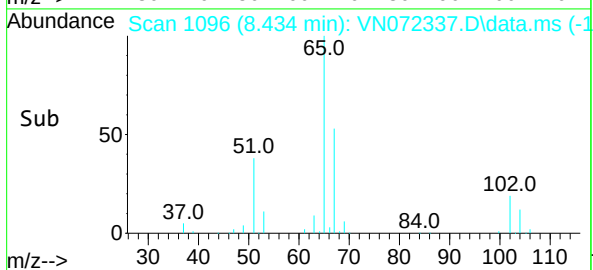
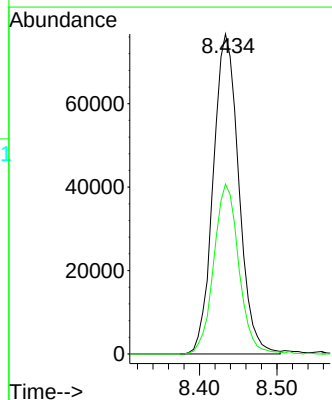
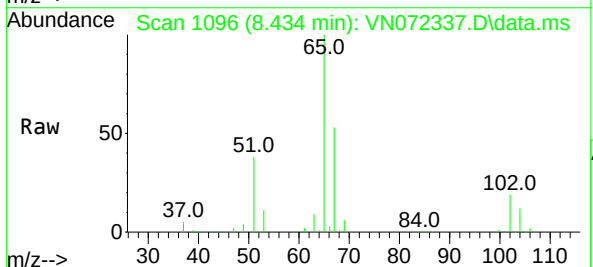
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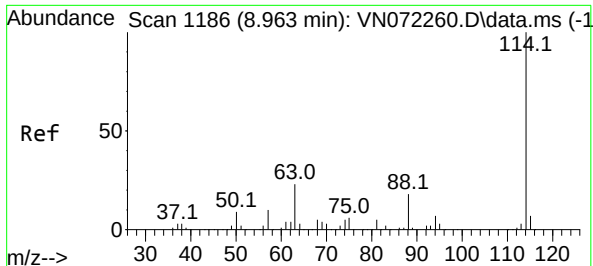
Tgt Ion: 56 Resp: 5453
Ion Ratio Lower Upper
56 100
69 172.6 27.8 41.8#
84 91.6 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 52.441 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion: 65 Resp: 175886
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0505WBL01

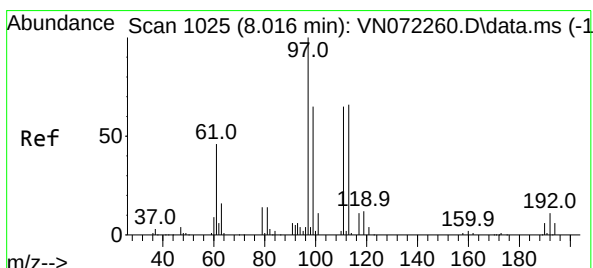
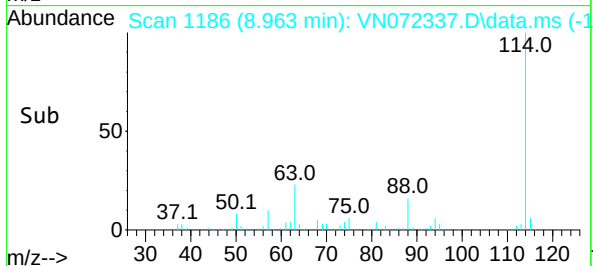
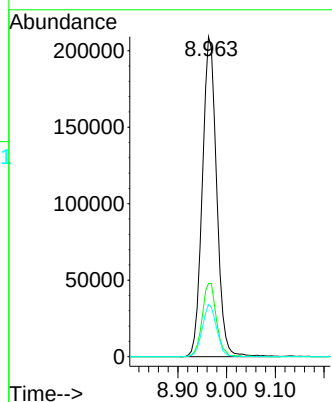
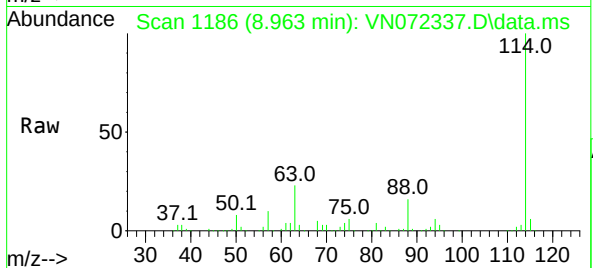
Tgt Ion:114 Resp: 426267

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.0

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.978 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

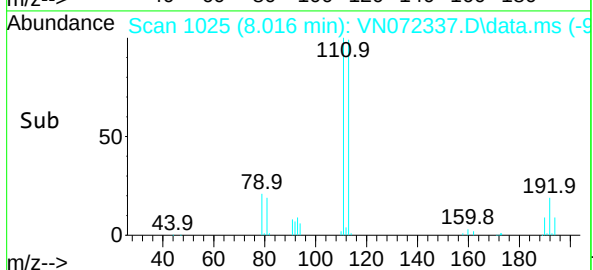
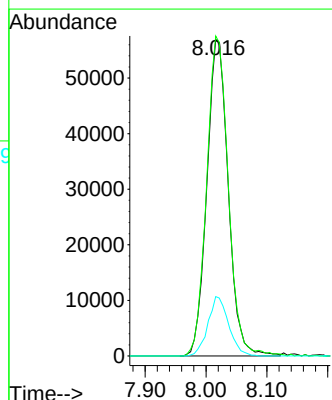
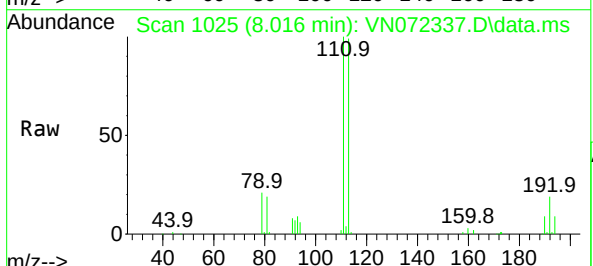
Tgt Ion:113 Resp: 139087

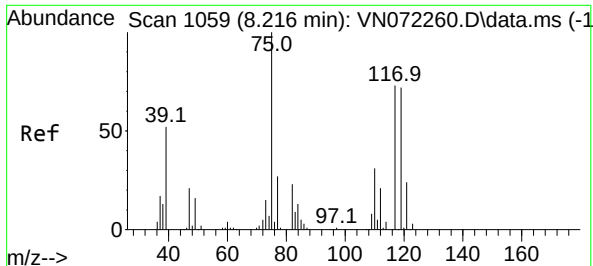
Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.020 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.130 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

Instrument :

MSVOA_N

ClientSampleId :

VN0505WBL01

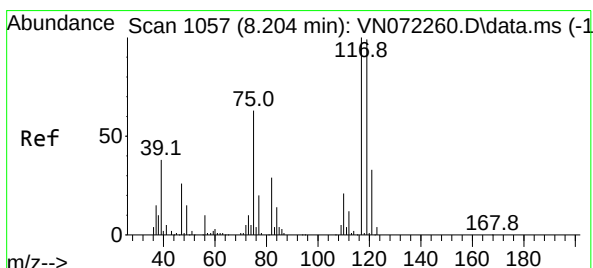
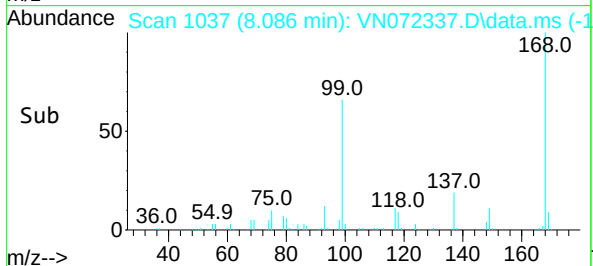
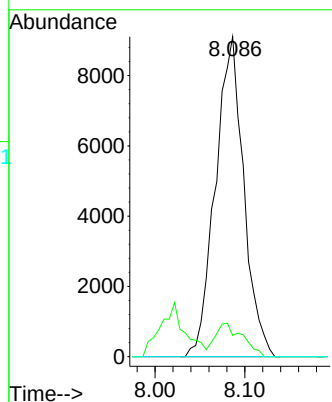
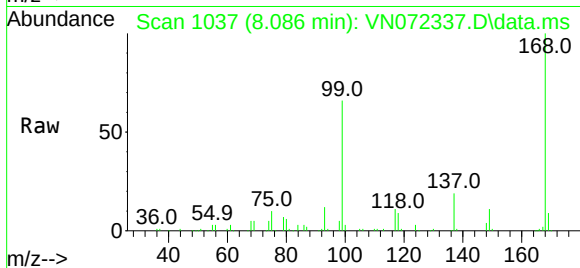
Tgt Ion: 75 Resp: 19936

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072337.D

Acq: 05 May 2022 11:33

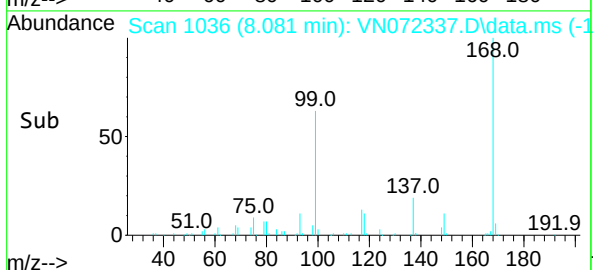
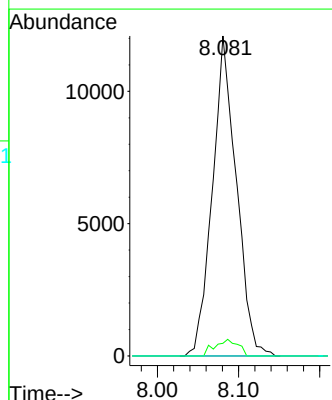
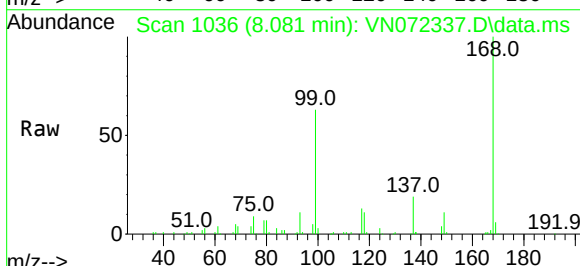
Tgt Ion: 117 Resp: 24778

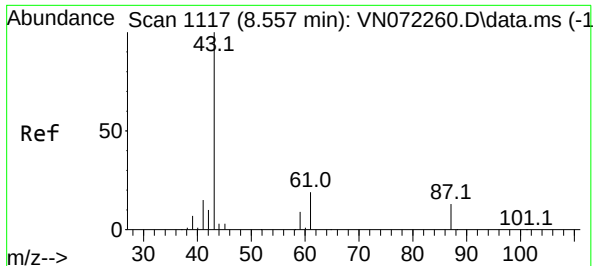
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

121 0.0 24.6 37.0#

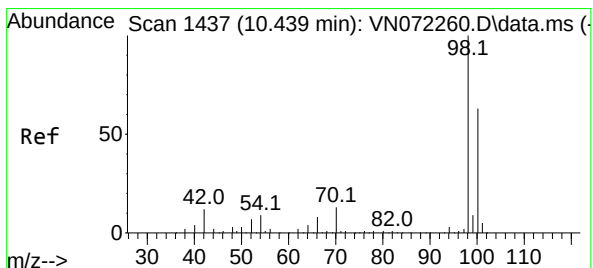
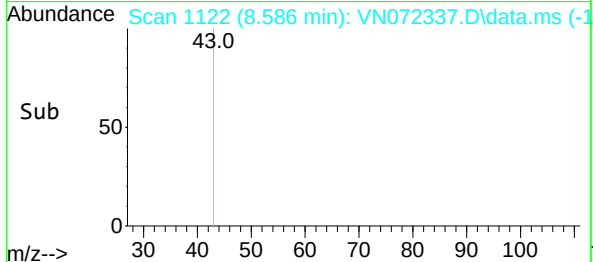
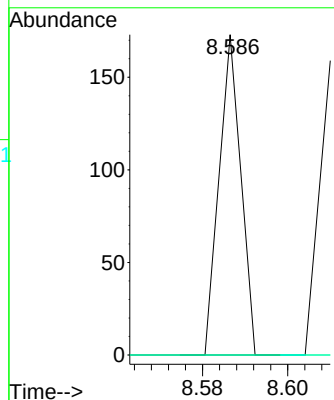
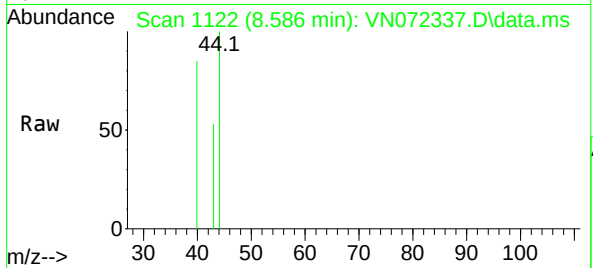




#43
Isopropyl Acetate
Concen: 0.808 ug/l
RT: 8.586 min Scan# 1117
Delta R.T. 0.029 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

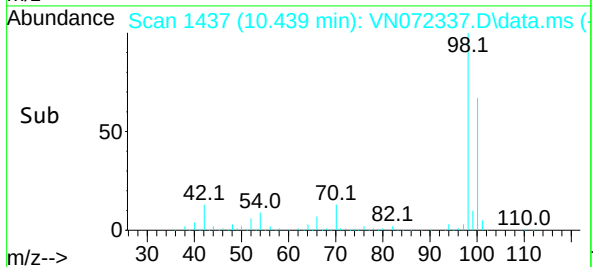
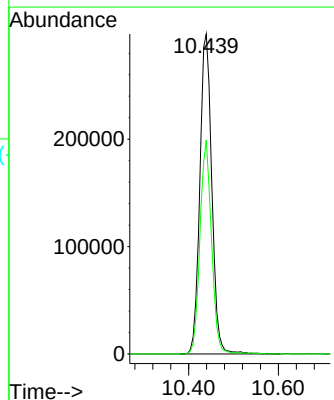
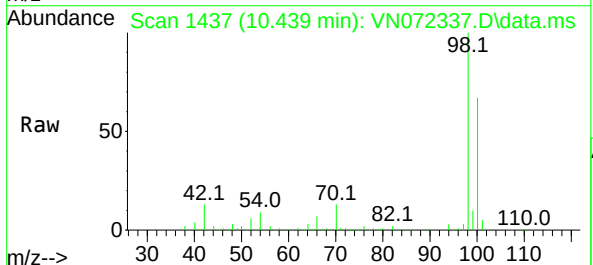
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

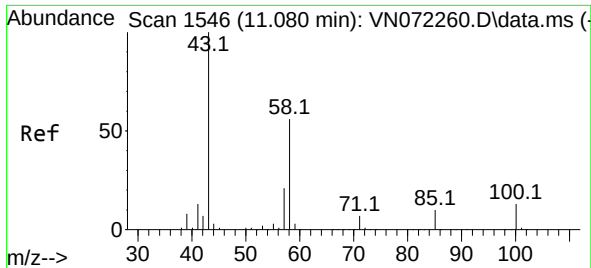
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.343 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion: 98 Resp: 550441
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

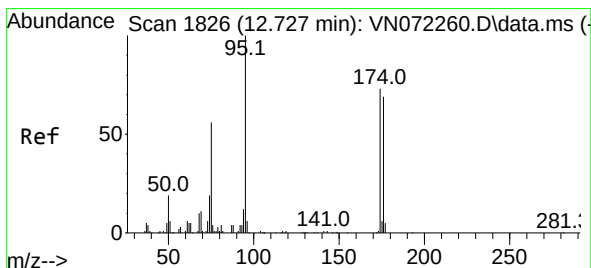
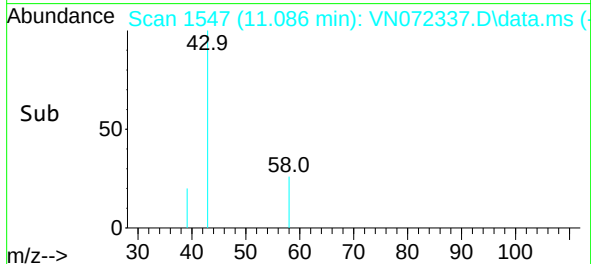
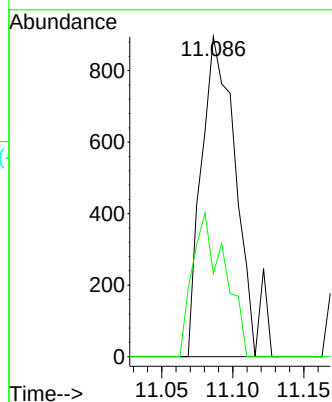
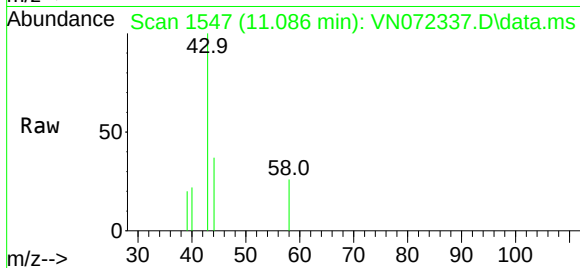




#59
2-Hexanone
Concen: 0.440 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.005 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

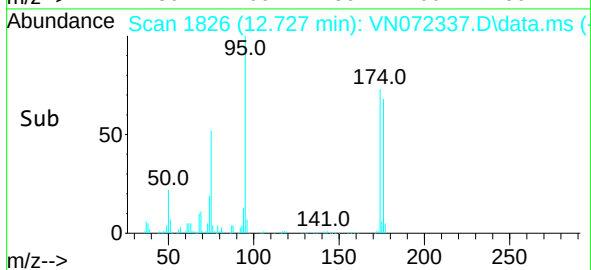
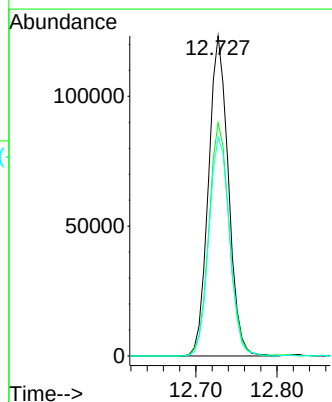
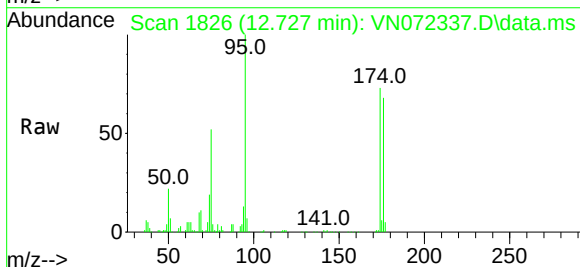
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

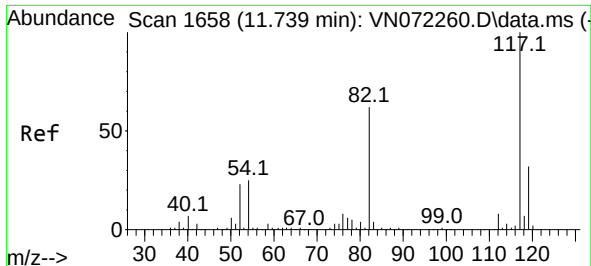
Tgt Ion: 43 Resp: 1542
Ion Ratio Lower Upper
43 100
58 41.2 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 58.957 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion: 95 Resp: 209796
Ion Ratio Lower Upper
95 100
174 74.6 0.0 167.6
176 70.7 0.0 163.4

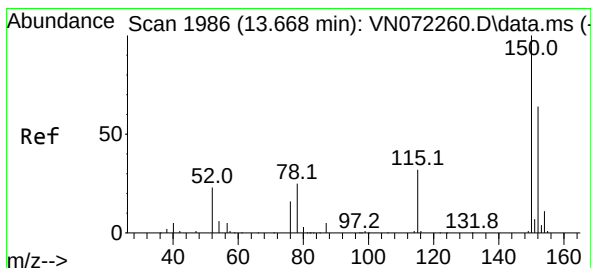
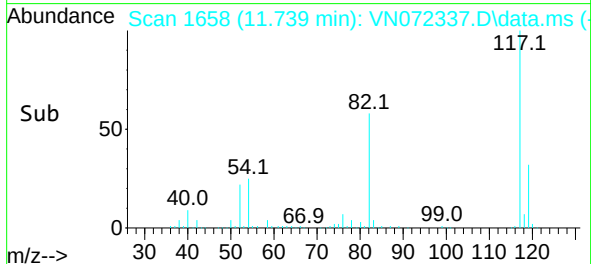
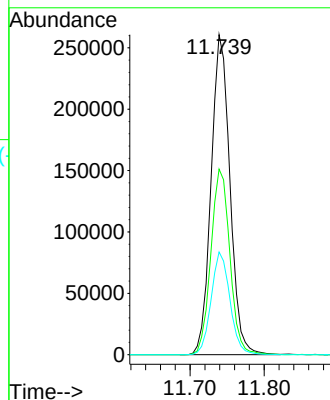
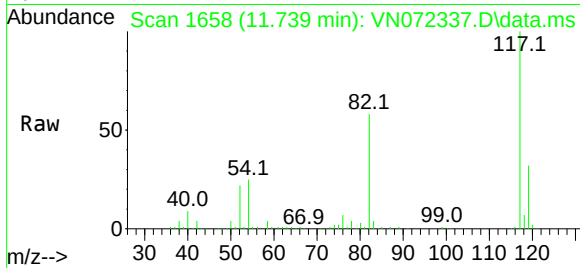




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

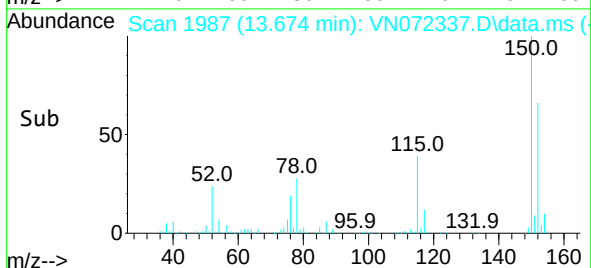
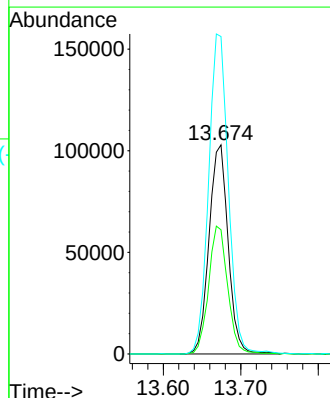
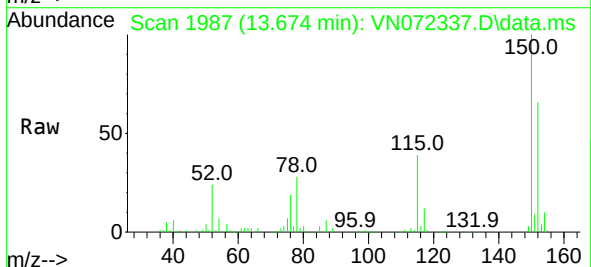
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

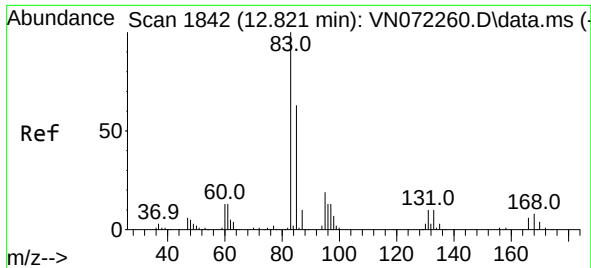
Tgt Ion:117 Resp: 460264
Ion Ratio Lower Upper
117 100
82 58.0 44.2 66.2
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion:152 Resp: 176839
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.7
150 157.5 0.0 356.2

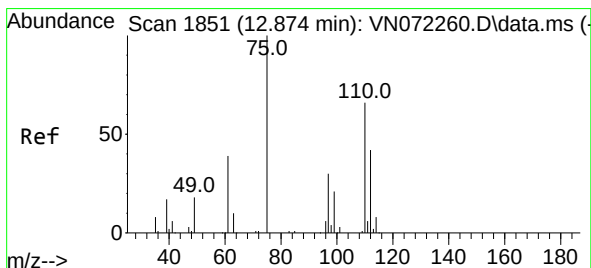
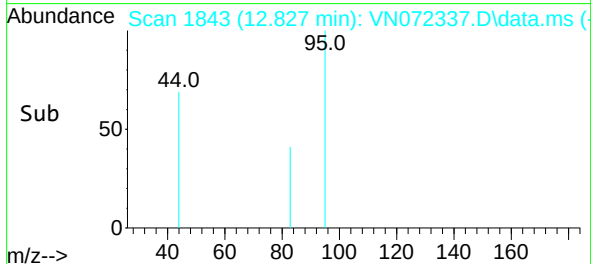
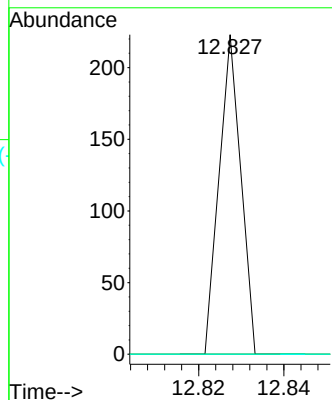
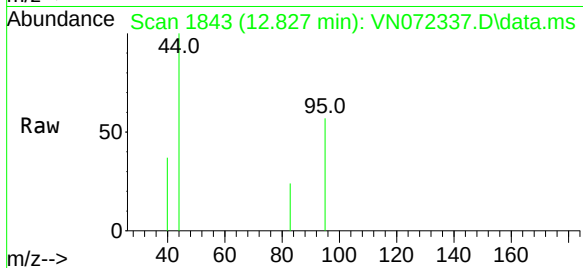




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.827 min Scan# 1842
Delta R.T. 0.005 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

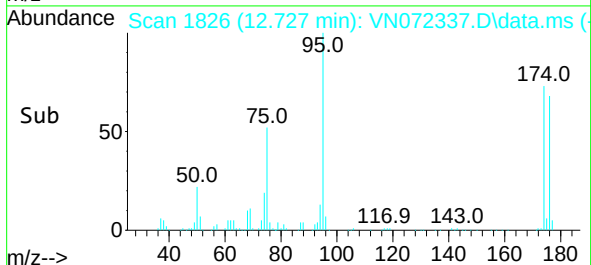
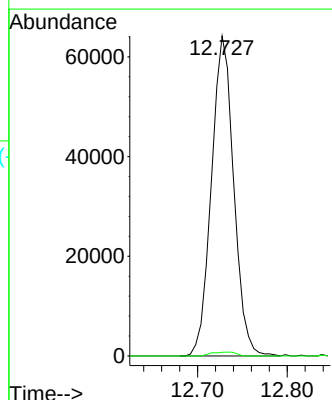
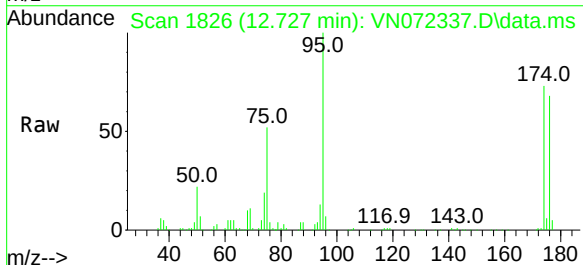
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

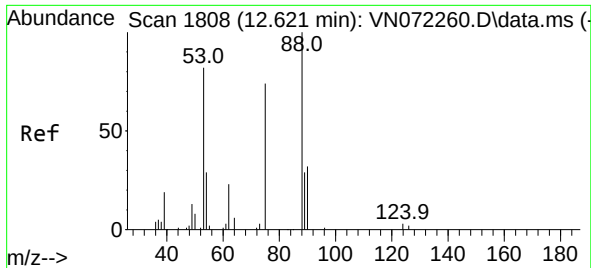
Tgt Ion: 83 Resp: 79
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9#
85 0.0 32.3 96.9#



#76
1,2,3-Trichloropropane
Concen: 27.886 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion: 75 Resp: 110785
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

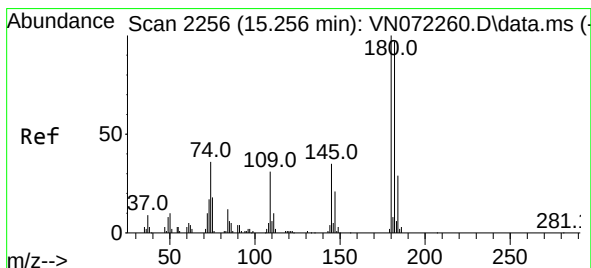
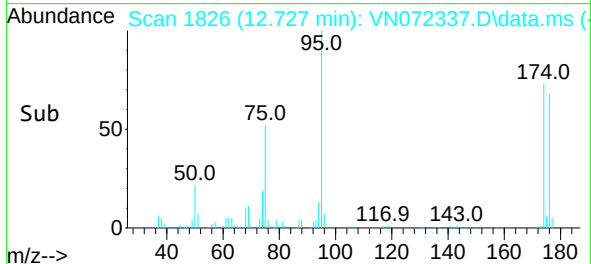
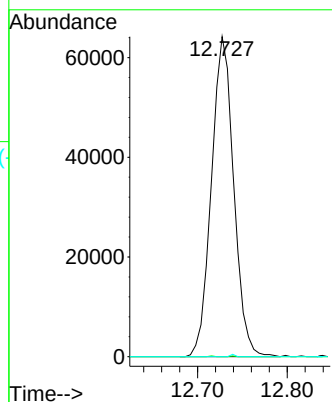
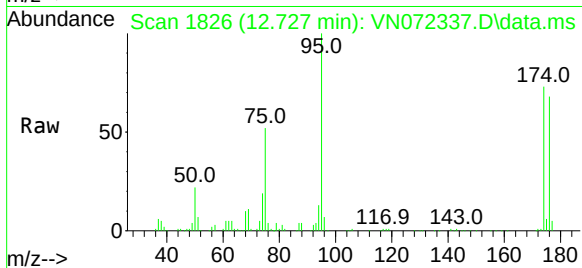




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.437 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.105 min
 Lab File: VN072337.D
 Acq: 05 May 2022 11:33

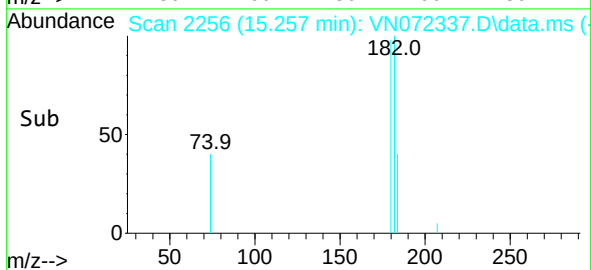
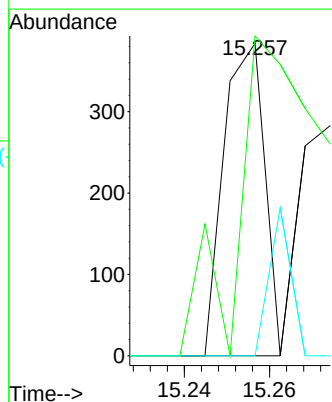
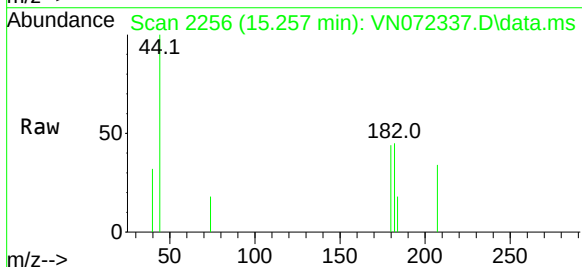
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBL01

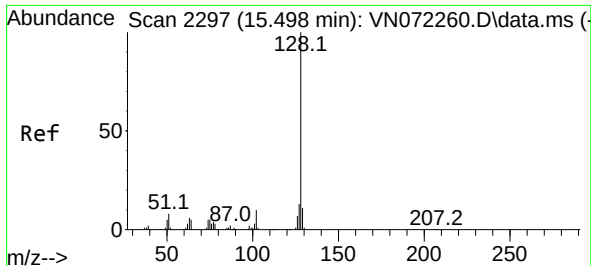
Tgt Ion: 75 Resp: 110785
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.2 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.509 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN072337.D
 Acq: 05 May 2022 11:33

Tgt Ion:180 Resp: 255
 Ion Ratio Lower Upper
 180 100
 182 204.3 47.5 142.5#
 145 25.1 14.5 43.5

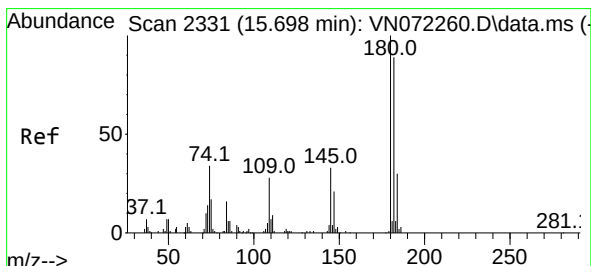
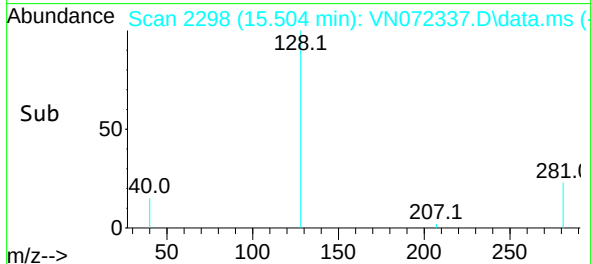
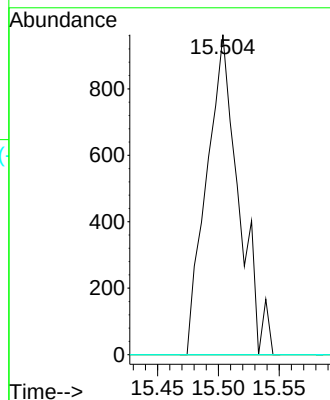
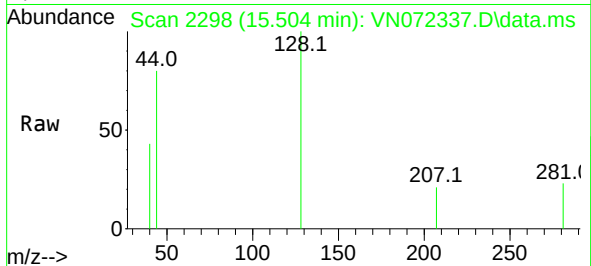




#95
Naphthalene
Concen: 4.476 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Tgt Ion:128 Resp: 1772
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 2.817 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN072337.D
Acq: 05 May 2022 11:33

Tgt Ion:180 Resp: 412
Ion Ratio Lower Upper
180 100
182 93.2 47.8 143.3
145 0.0 15.5 46.5#

