

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050322\
 Data File : VN072311.D
 Acq On : 03 May 2022 18:08
 Operator : JC\MD
 Sample : N2617-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: May 04 05:14:30 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)

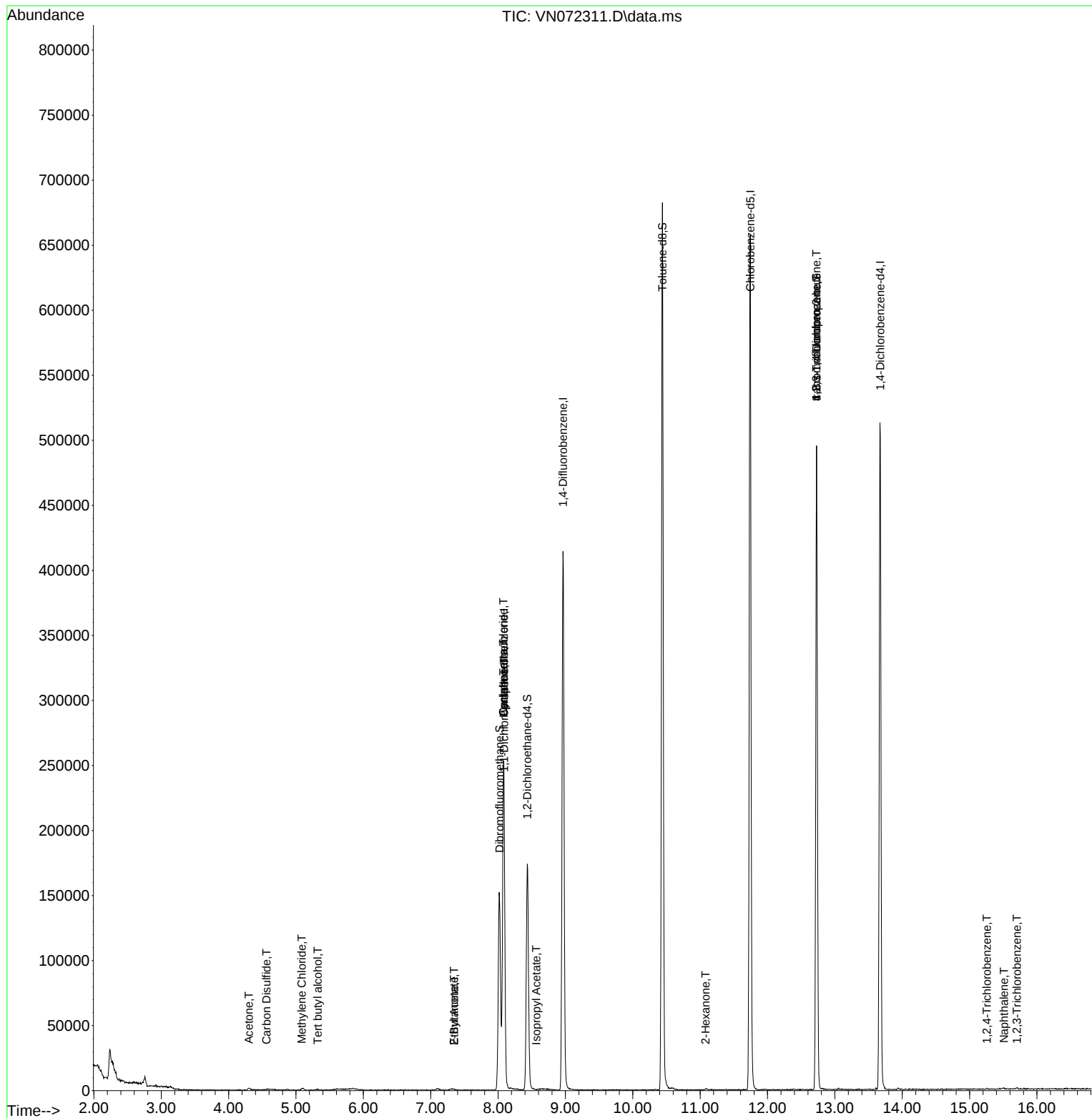
Internal Standards						
1) Pentafluorobenzene	8.086	168	181045	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	356967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	376535	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	137046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	146717	52.786	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.580%	
35) Dibromofluoromethane	8.022	113	112083	49.056	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 98.120%	
50) Toluene-d8	10.439	98	458080	51.023	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	12.727	95	172275	57.812	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 115.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1359	Below Cal	#	43
5) Bromomethane	2.846	94	66	Below Cal		94
6) Chloroethane	2.922	64	355	Below Cal		92
11) Tert butyl alcohol	5.322	59	278	0.609	ug/l #	72
16) Acetone	4.298	43	2045	1.707	ug/l #	42
17) Carbon Disulfide	4.563	76	55	0.377	ug/l #	75
20) Methylene Chloride	5.087	84	1211	0.527	ug/l #	64
25) 2-Butanone	7.345	43	1240	0.650	ug/l #	45
31) Cyclohexane	8.081	56	4707	1.267	ug/l #	47
36) 1,1-Dichloropropene	8.092	75	16350	4.916	ug/l #	49
37) Ethyl Acetate	7.345	43	1240	0.281	ug/l #	67
38) Carbon Tetrachloride	8.081	117	19369	5.438	ug/l #	17
43) Isopropyl Acetate	8.569	43	70	0.811	ug/l #	53
59) 2-Hexanone	11.080	43	1262	0.430	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.821	83	59	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	94655	30.745	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	94655	79.861	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.257	180	391	2.596	ug/l #	50
95) Naphthalene	15.510	128	1809	4.532	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.704	180	473	2.886	ug/l #	88

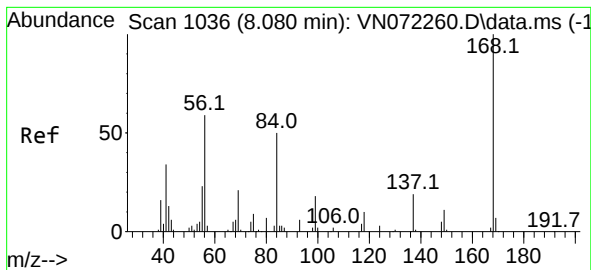
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 10

Delta R.T. 0.005 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Instrument :

MSVOA_N

ClientSampleId :

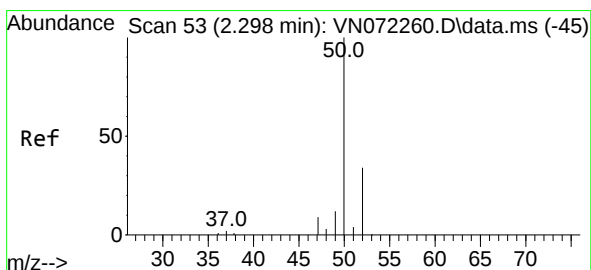
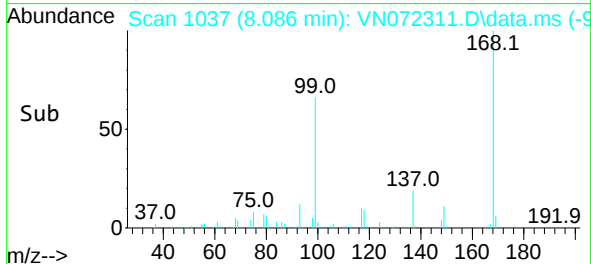
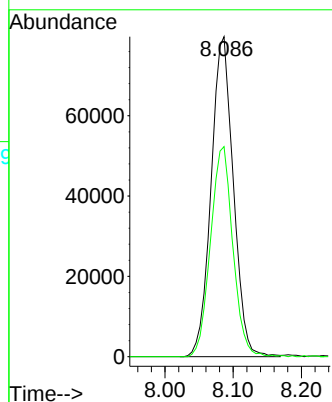
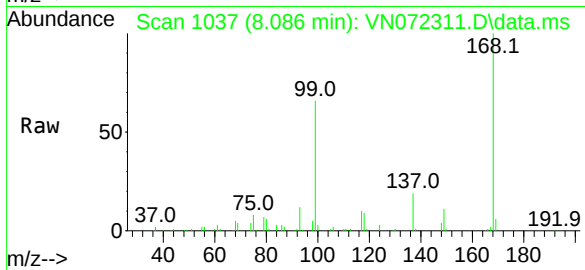
TB

Tgt Ion:168 Resp: 181045

Ion Ratio Lower Upper

168 100

99 65.6 42.3 63.5#



#3

Chloromethane

Concen: Below Cal

RT: 2.299 min Scan# 53

Delta R.T. -0.000 min

Lab File: VN072311.D

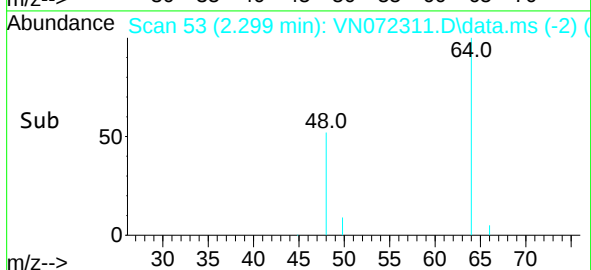
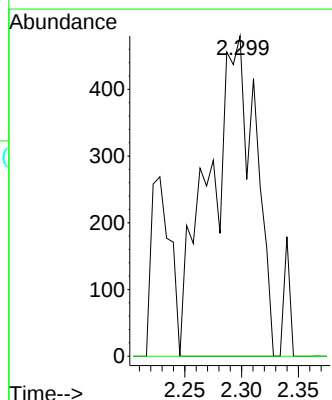
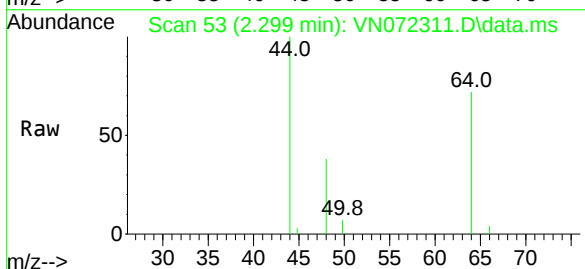
Acq: 03 May 2022 18:08

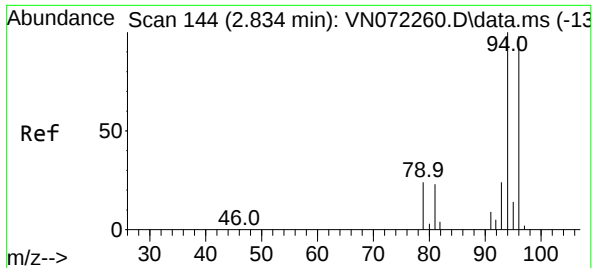
Tgt Ion: 50 Resp: 1359

Ion Ratio Lower Upper

50 100

52 0.0 25.7 38.5#

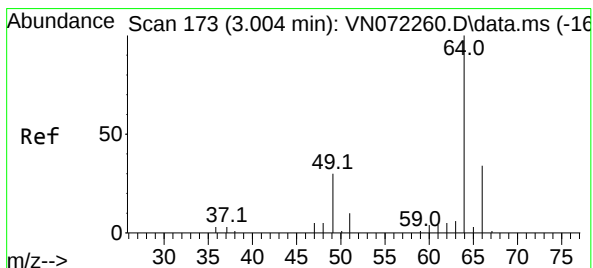
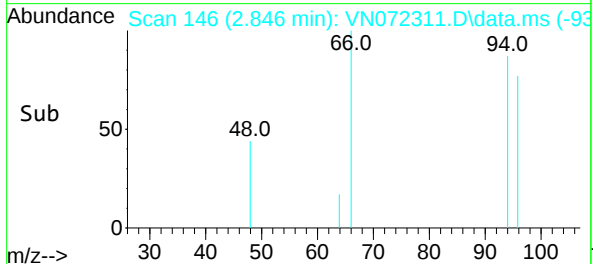
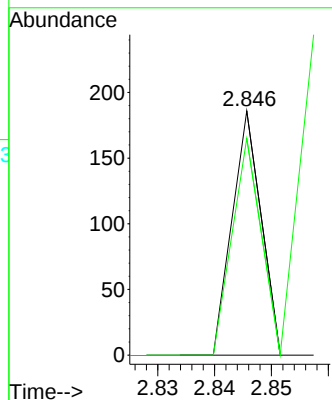
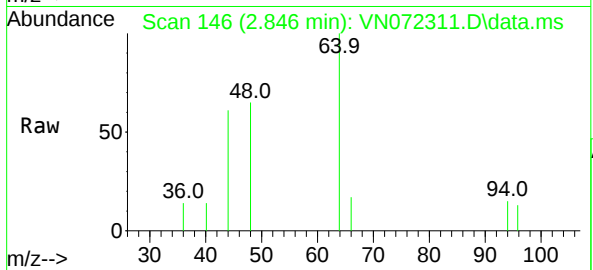




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 14
Delta R.T. 0.012 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

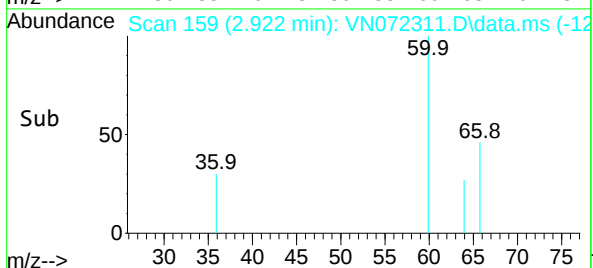
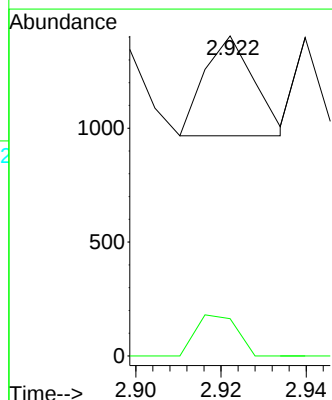
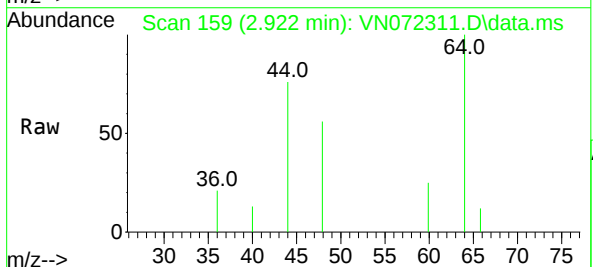
Instrument :
MSVOA_N
ClientSampleId :
TB

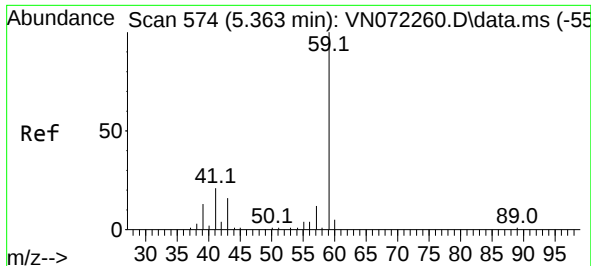
Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 88.7 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.922 min Scan# 159
Delta R.T. -0.083 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 37.4 26.2 39.4

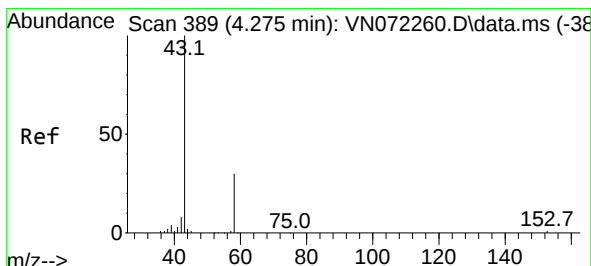
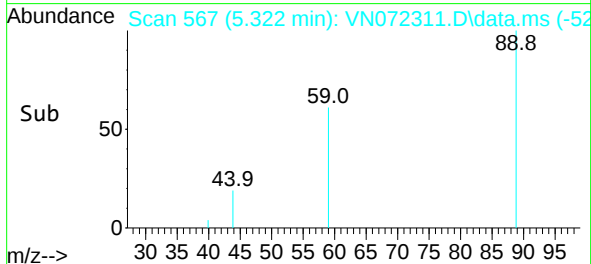
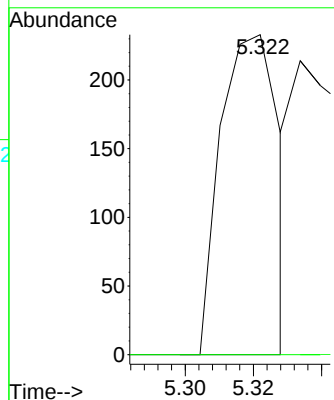
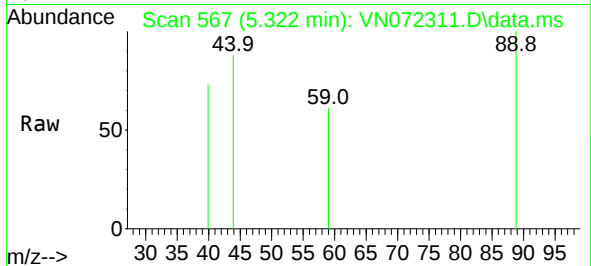




#11
Tert butyl alcohol
Concen: 0.609 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

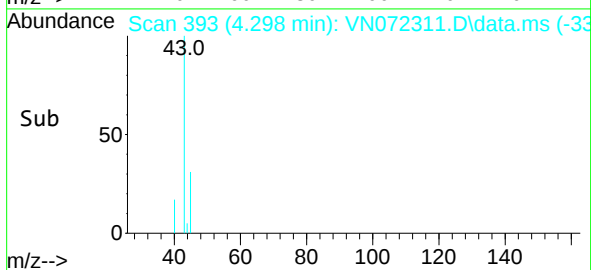
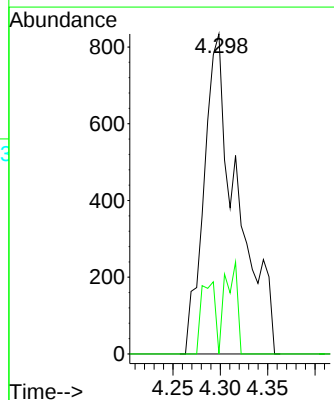
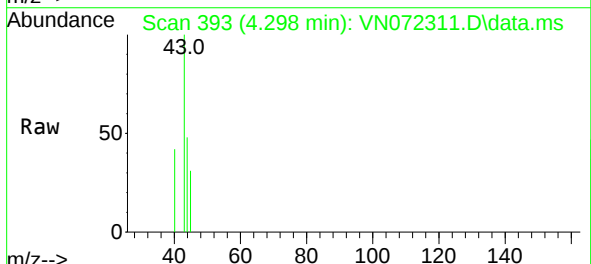
Instrument :
MSVOA_N
ClientSampleId :
TB

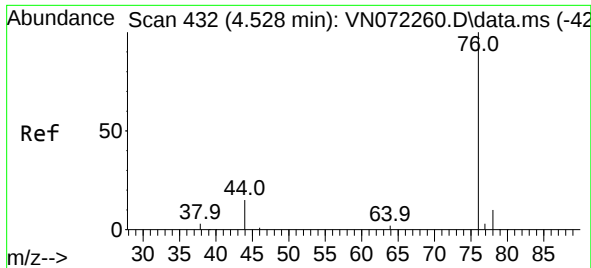
Tgt Ion: 59 Resp: 278
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.707 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.377 ug/l

RT: 4.563 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Instrument :

MSVOA_N

ClientSampleId :

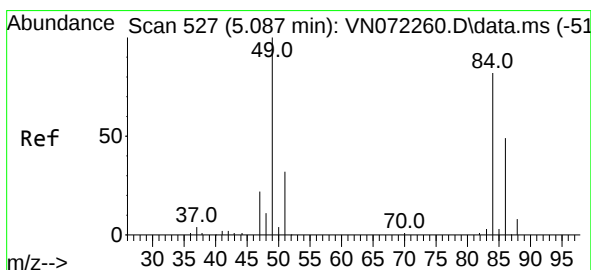
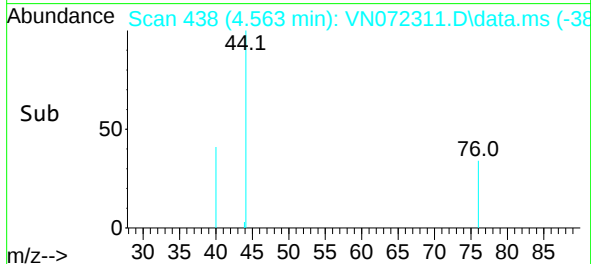
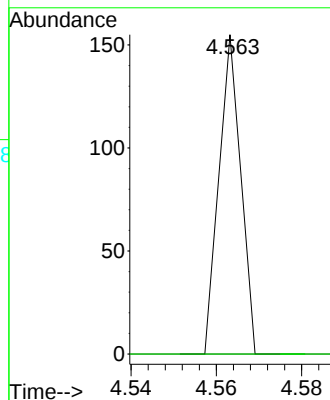
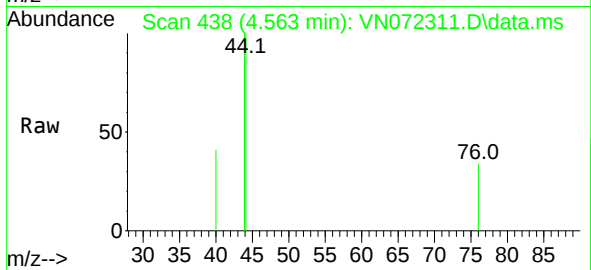
TB

Tgt Ion: 76 Resp: 55

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.527 ug/l

RT: 5.087 min Scan# 527

Delta R.T. -0.000 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Tgt Ion: 84 Resp: 1211

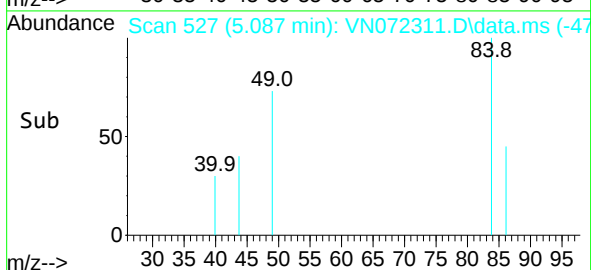
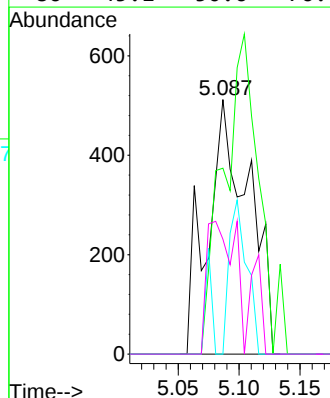
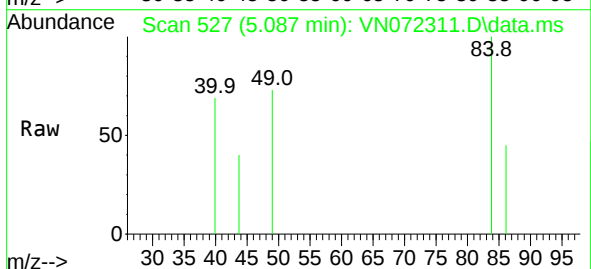
Ion Ratio Lower Upper

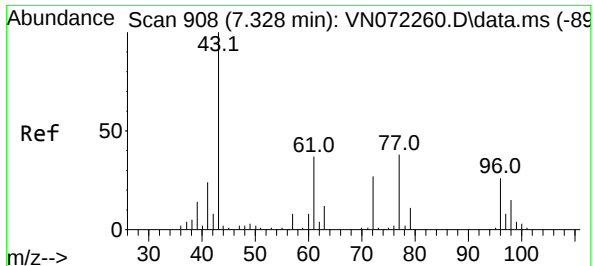
84 100

49 73.0 88.3 132.5#

51 0.0 28.2 42.2#

86 45.1 50.6 76.0#





#25

2-Butanone

Concen: 0.650 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Instrument :

MSVOA_N

ClientSampleId :

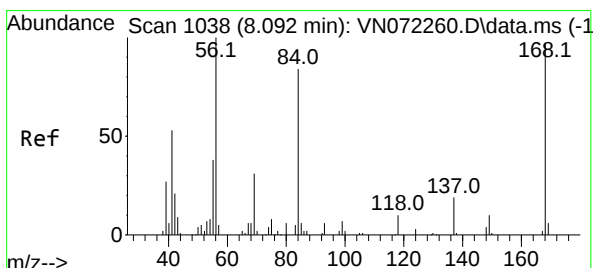
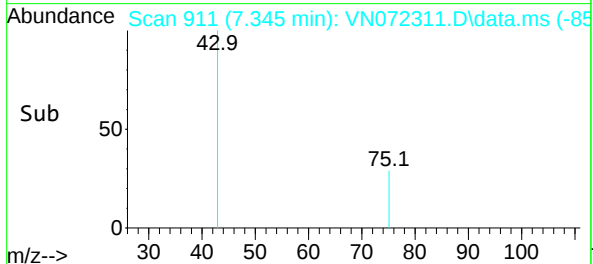
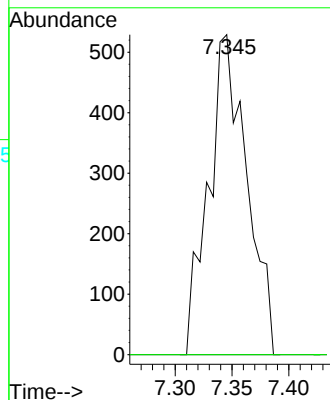
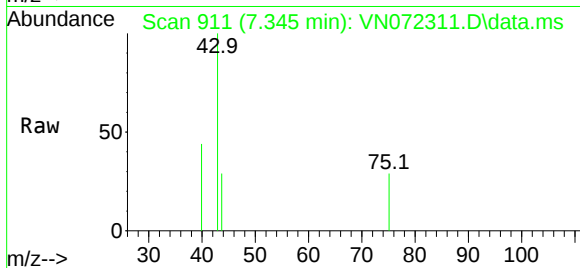
TB

Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.267 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

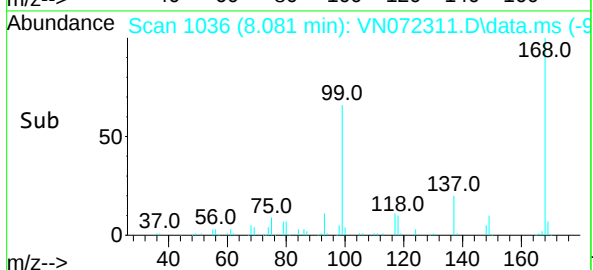
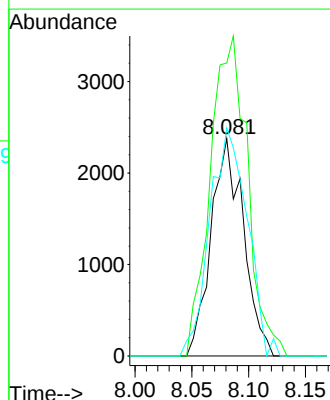
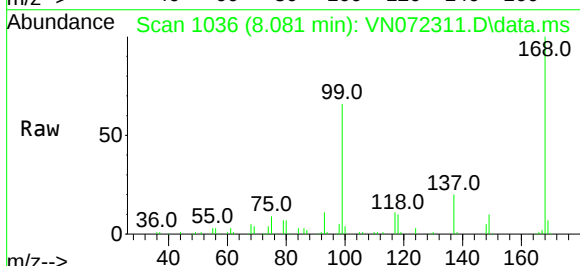
Tgt Ion: 56 Resp: 4707

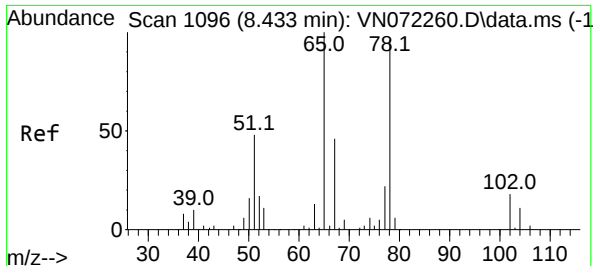
Ion Ratio Lower Upper

56 100

69 134.9 27.8 41.8#

84 105.0 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 52.786 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

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ClientSampleId :

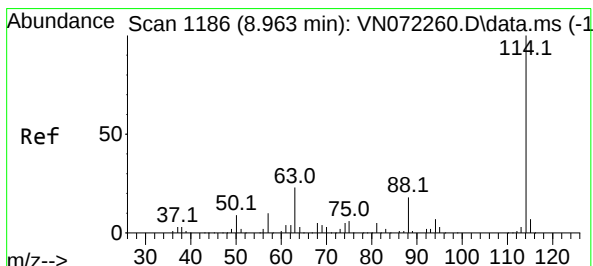
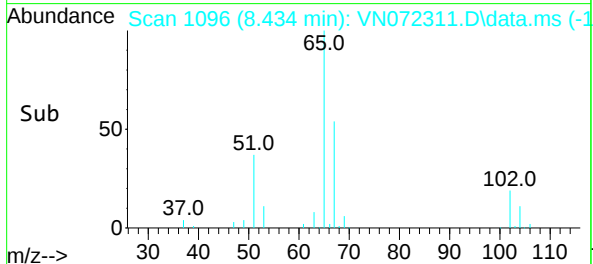
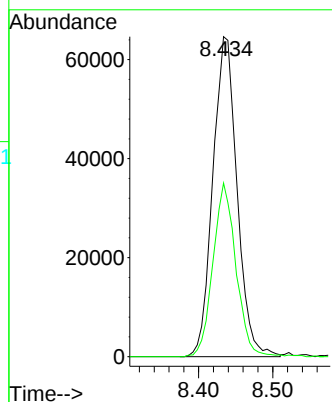
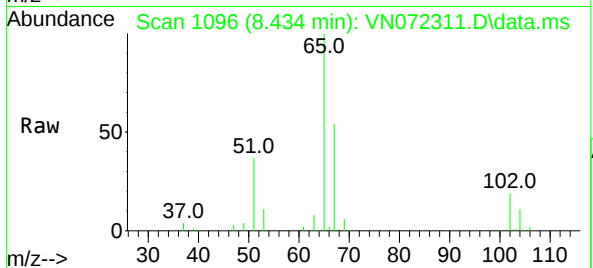
TB

Tgt Ion: 65 Resp: 146717

Ion Ratio Lower Upper

65 100

67 51.6 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: VN072311.D

Acq: 03 May 2022 18:08

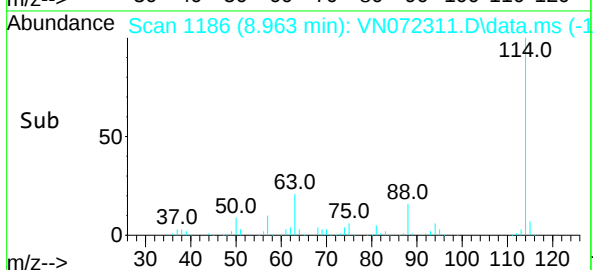
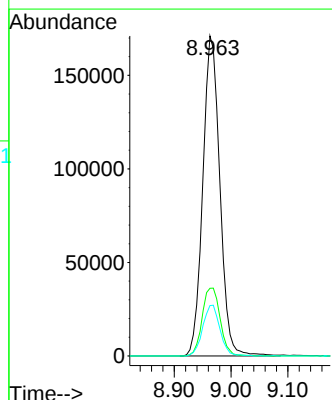
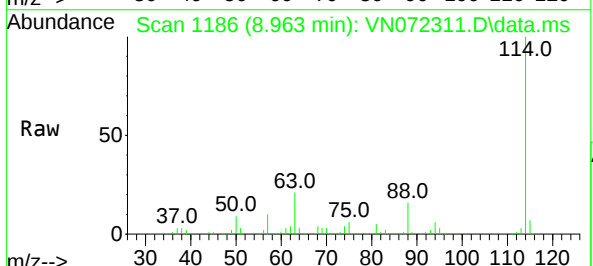
Tgt Ion: 114 Resp: 356967

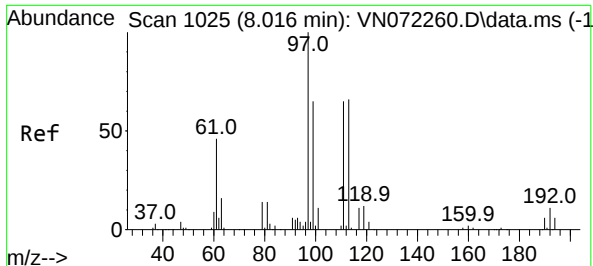
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.056 ug/l

RT: 8.022 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Instrument :

MSVOA_N

ClientSampleId :

TB

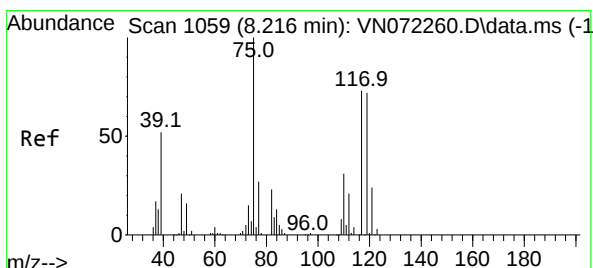
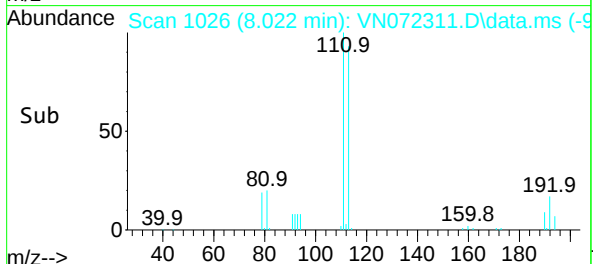
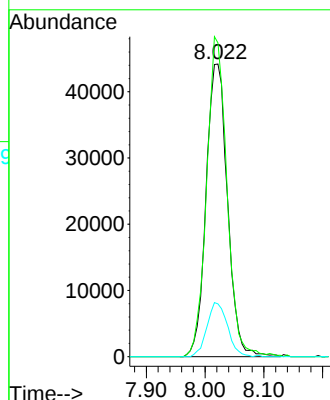
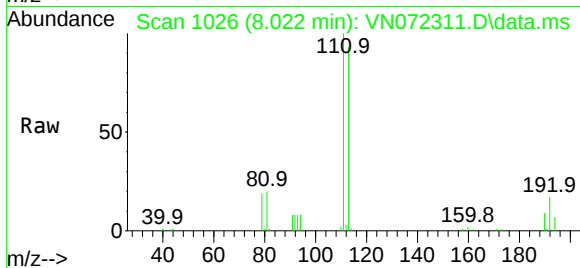
Tgt Ion:113 Resp: 112083

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 17.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.916 ug/l

RT: 8.092 min Scan# 1038

Delta R.T. -0.124 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

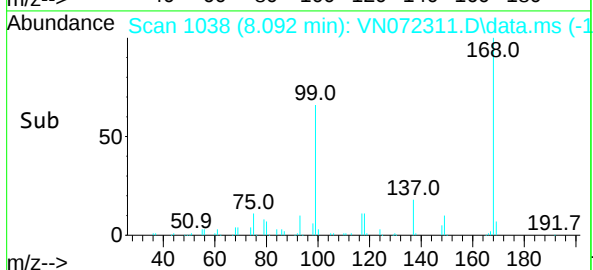
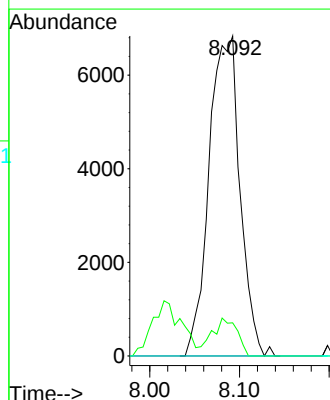
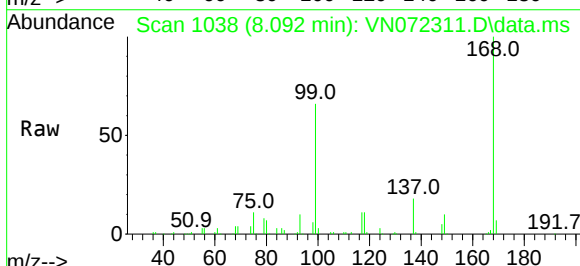
Tgt Ion: 75 Resp: 16350

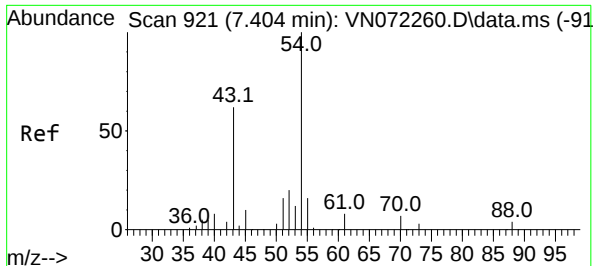
Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 0.281 ug/l

RT: 7.345 min Scan# 91

Delta R.T. -0.065 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

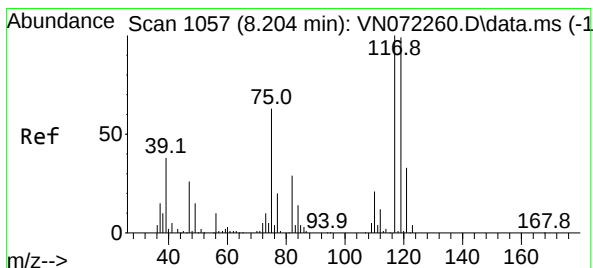
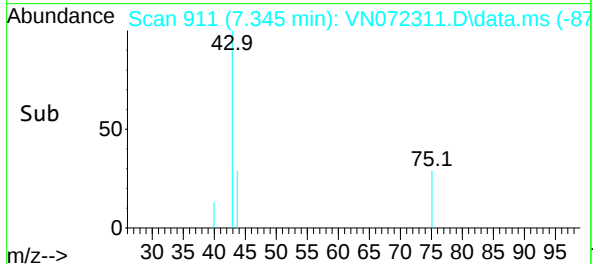
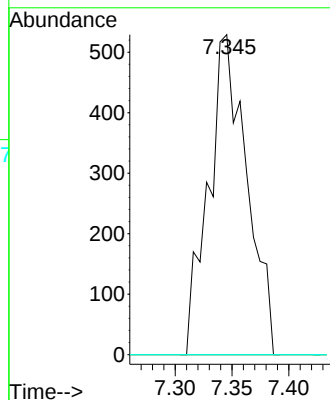
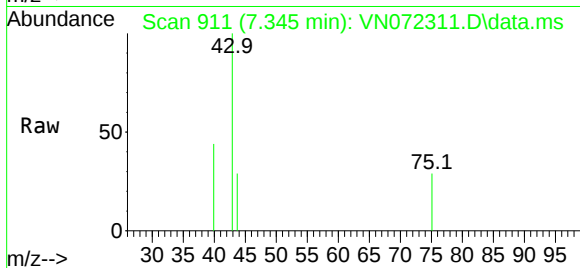
Instrument :

MSVOA_N

ClientSampleId :

TB

Tgt Ion: 43	Resp:	1240
Ion	Ratio	Lower Upper
43	100	
61	0.0	11.8 17.6#
70	0.0	9.3 13.9#



#38

Carbon Tetrachloride

Concen: 5.438 ug/l

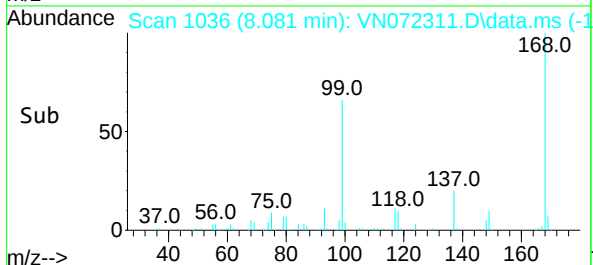
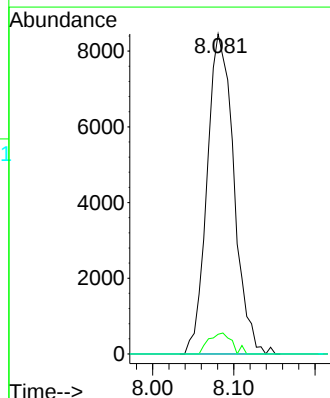
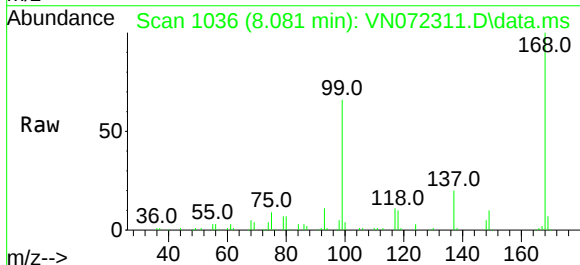
RT: 8.081 min Scan# 1036

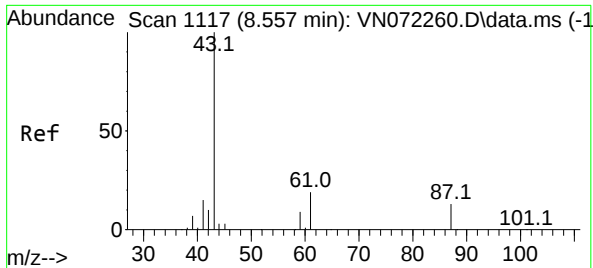
Delta R.T. -0.123 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Tgt Ion: 117	Resp:	19369
Ion	Ratio	Lower Upper
117	100	
119	6.2	75.8 113.8#
121	0.0	24.6 37.0#

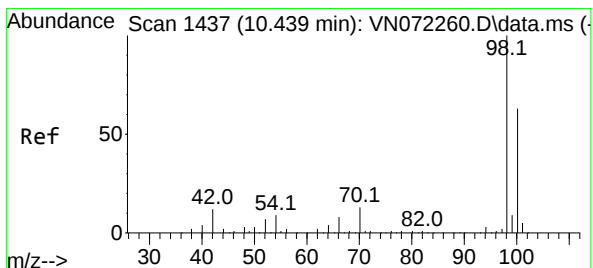
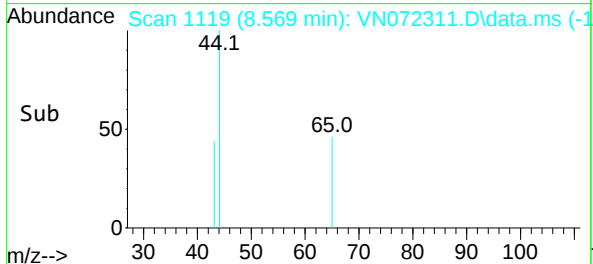
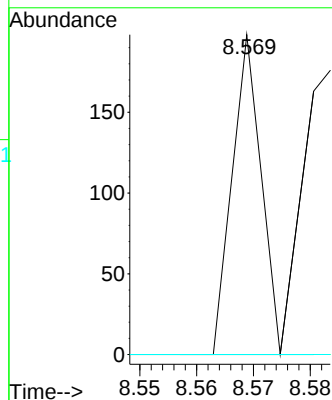
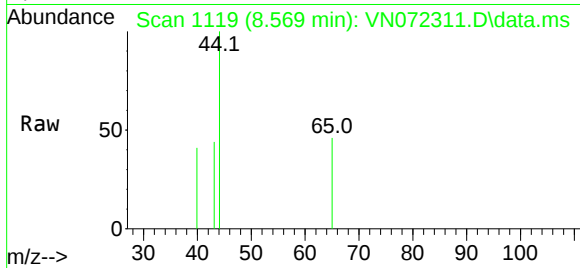




#43
Isopropyl Acetate
Concen: 0.811 ug/l
RT: 8.569 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

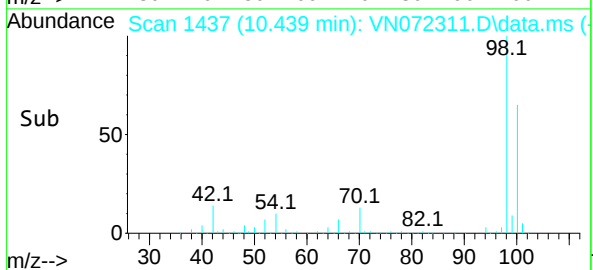
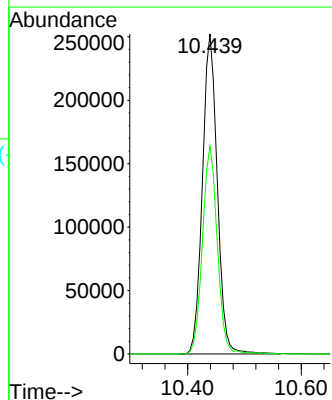
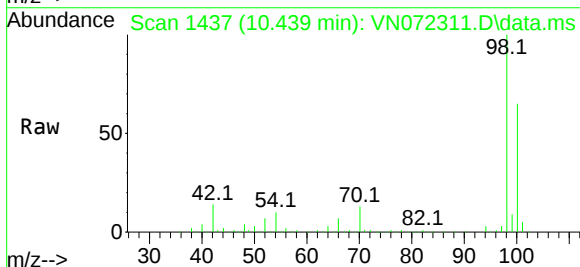
Instrument :
MSVOA_N
ClientSampleId :
TB

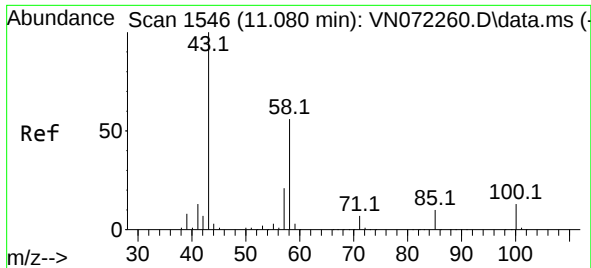
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.023 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

Tgt Ion: 98 Resp: 458080
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

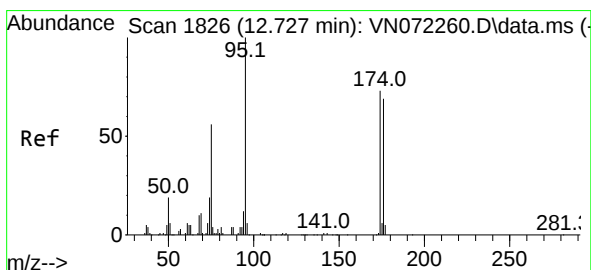
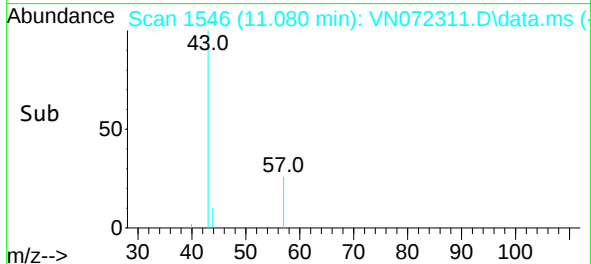
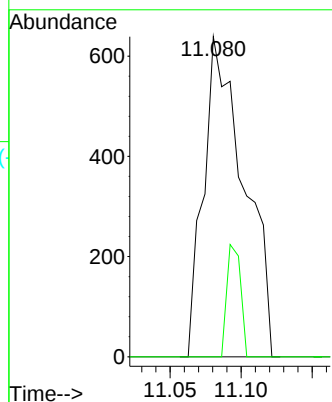
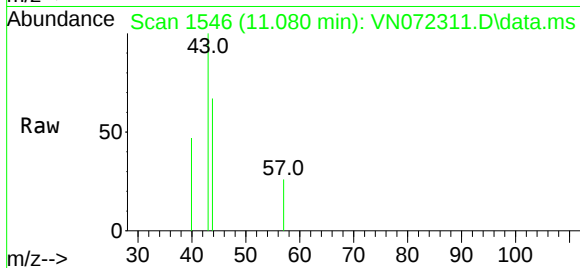




#59
2-Hexanone
Concen: 0.430 ug/l
RT: 11.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

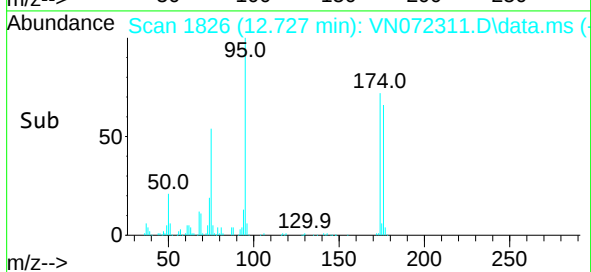
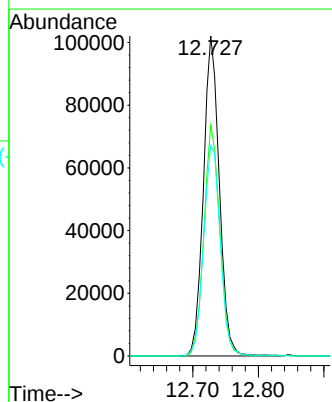
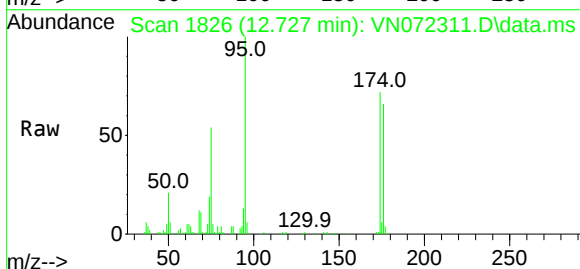
Instrument :
MSVOA_N
ClientSampleId :
TB

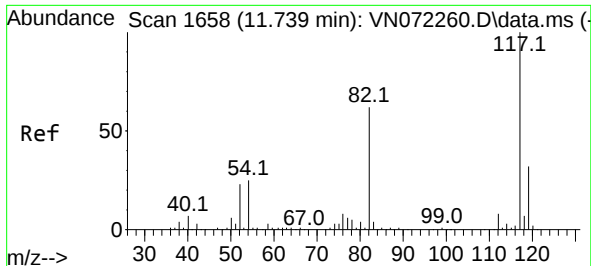
Tgt Ion: 43 Resp: 1262
Ion Ratio Lower Upper
43 100
58 11.9 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 57.812 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

Tgt Ion: 95 Resp: 172275
Ion Ratio Lower Upper
95 100
174 72.6 0.0 167.6
176 68.6 0.0 163.4

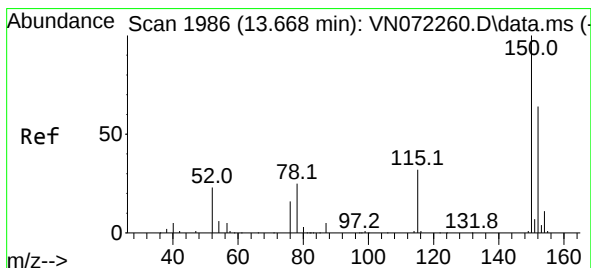
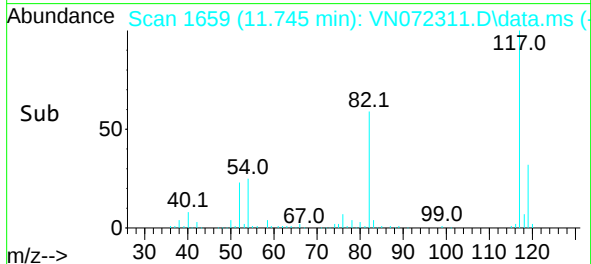
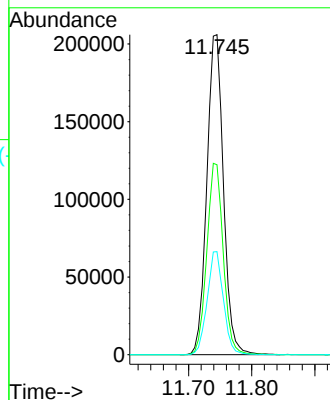
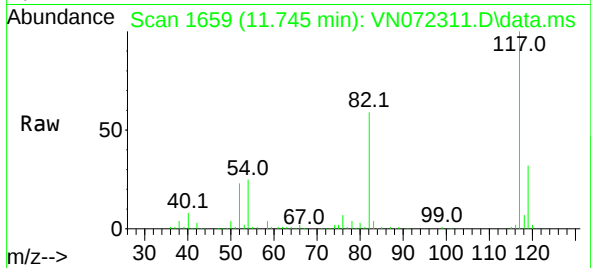




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

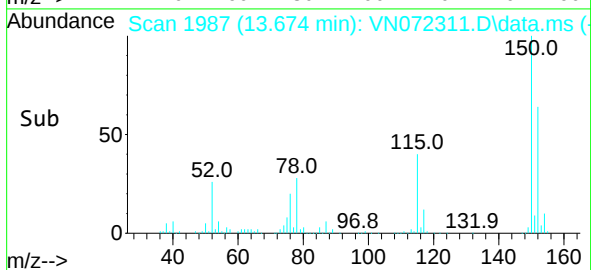
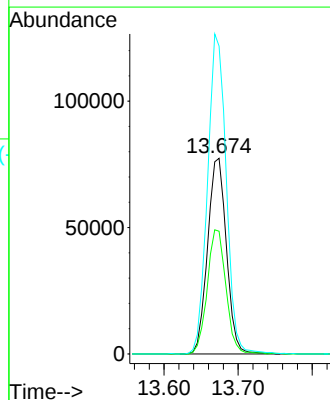
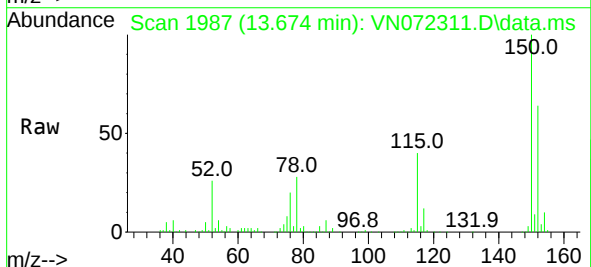
Instrument :
MSVOA_N
ClientSampleId :
TB

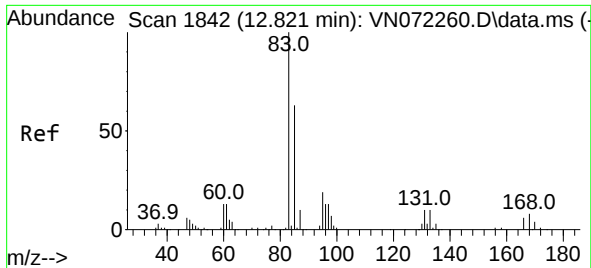
Tgt Ion:117 Resp: 376535
Ion Ratio Lower Upper
117 100
82 59.3 44.2 66.2
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072311.D
Acq: 03 May 2022 18:08

Tgt Ion:152 Resp: 137046
Ion Ratio Lower Upper
152 100
115 62.8 28.9 86.7
150 161.7 0.0 356.2

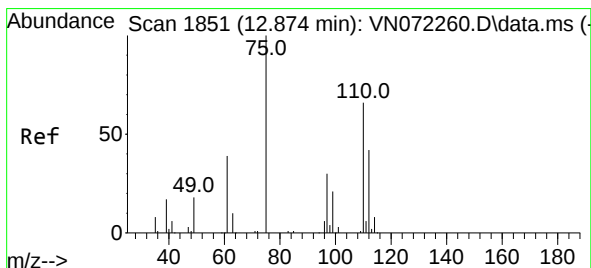
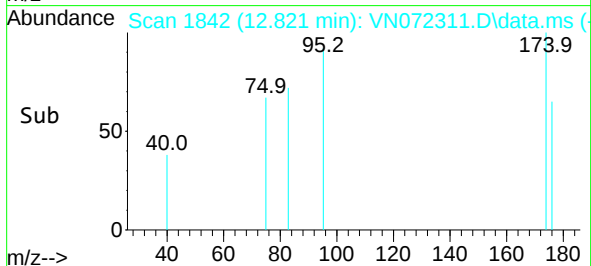
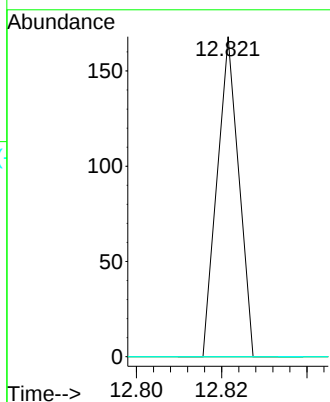
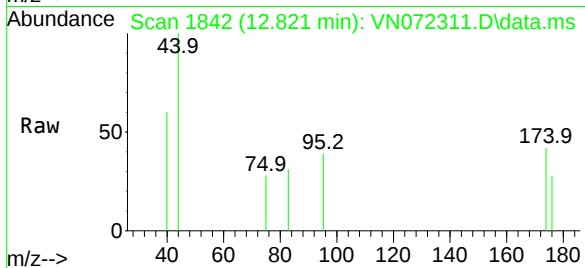




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.821 min Scan# 1842
 Delta R.T. -0.001 min
 Lab File: VN072311.D
 Acq: 03 May 2022 18:08

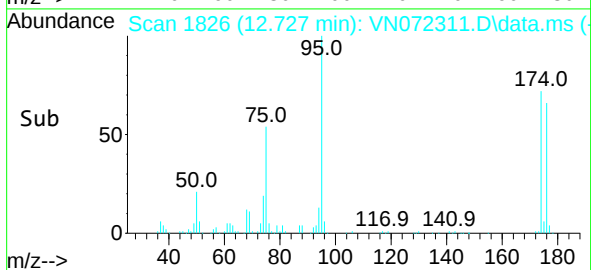
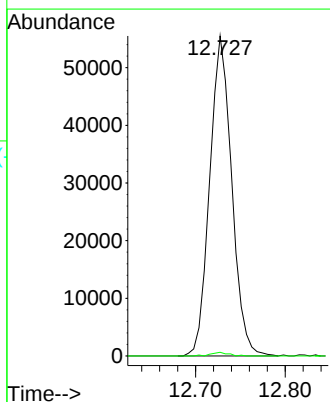
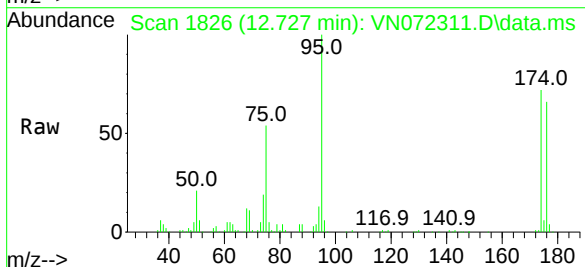
Instrument :
 MSVOA_N
 ClientSampleId :
 TB

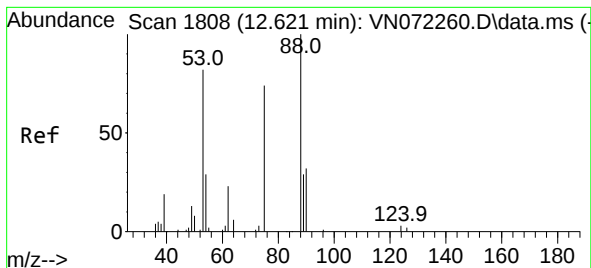
Tgt Ion: 83 Resp: 59
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.9#
 85 0.0 32.3 96.9#



#76
 1,2,3-Trichloropropane
 Concen: 30.745 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072311.D
 Acq: 03 May 2022 18:08

Tgt Ion: 75 Resp: 94655
 Ion Ratio Lower Upper
 75 100
 77 0.9 98.5 295.5#

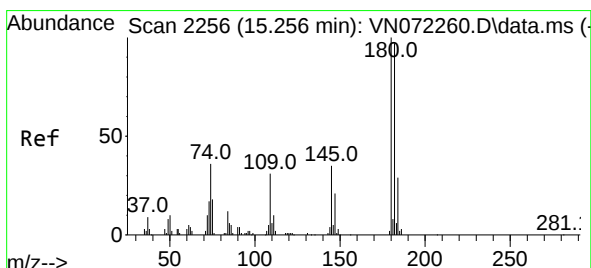
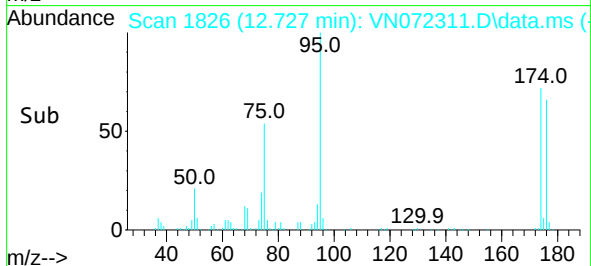
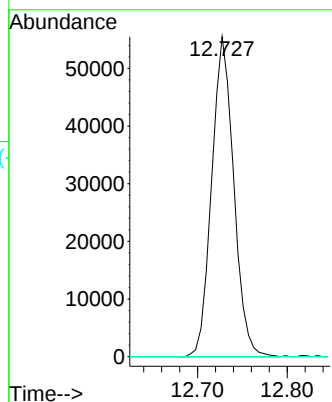
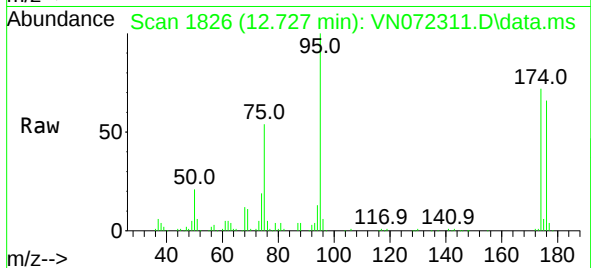




#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.861 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.105 min
 Lab File: VN072311.D
 Acq: 03 May 2022 18:08

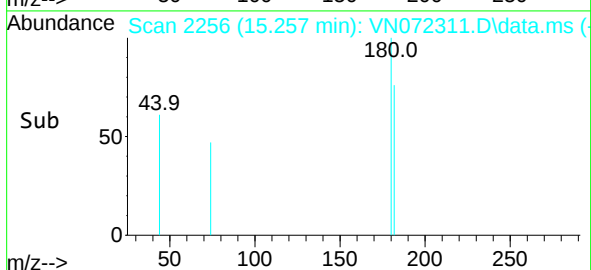
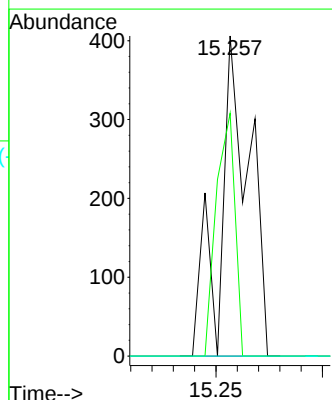
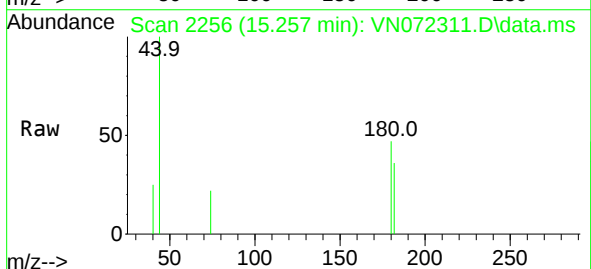
Instrument :
 MSVOA_N
 ClientSampleId :
 TB

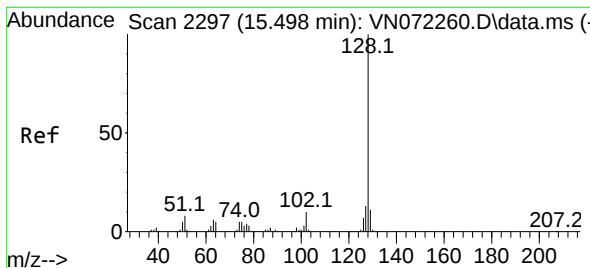
Tgt Ion: 75 Resp: 94655
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.596 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN072311.D
 Acq: 03 May 2022 18:08

Tgt Ion: 180 Resp: 391
 Ion Ratio Lower Upper
 180 100
 182 48.1 47.5 142.5
 145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.532 ug/l

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Instrument :

MSVOA_N

ClientSampleId :

TB

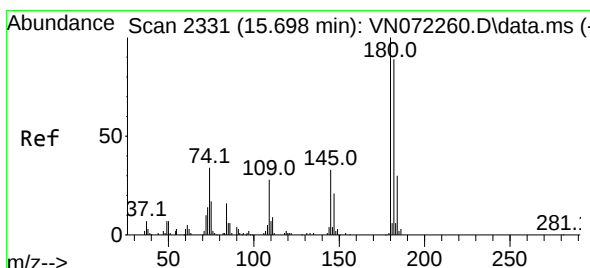
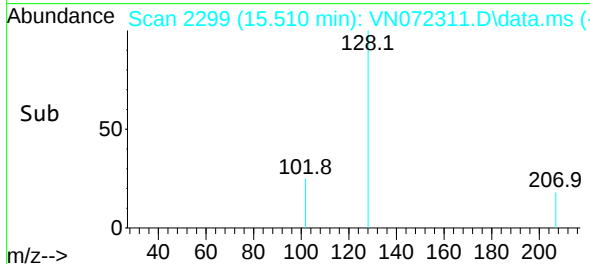
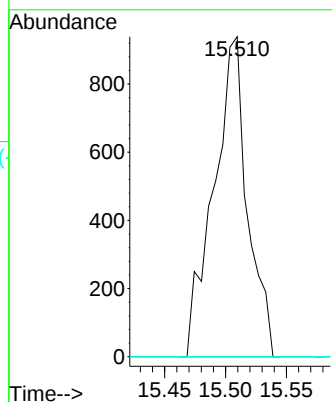
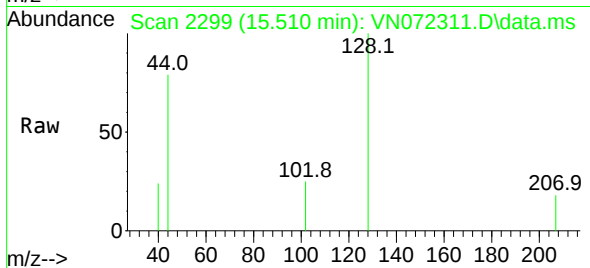
Tgt Ion:128 Resp: 1809

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: 2.886 ug/l

RT: 15.704 min Scan# 2332

Delta R.T. 0.012 min

Lab File: VN072311.D

Acq: 03 May 2022 18:08

Tgt Ion:180 Resp: 473

Ion Ratio Lower Upper

180 100

182 90.1 47.8 143.3

145 13.7 15.5 46.5#

