

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050222\
 Data File : VN072293.D
 Acq On : 02 May 2022 13:59
 Operator : JC\MD
 Sample : N2642-02 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 03:11:18 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)

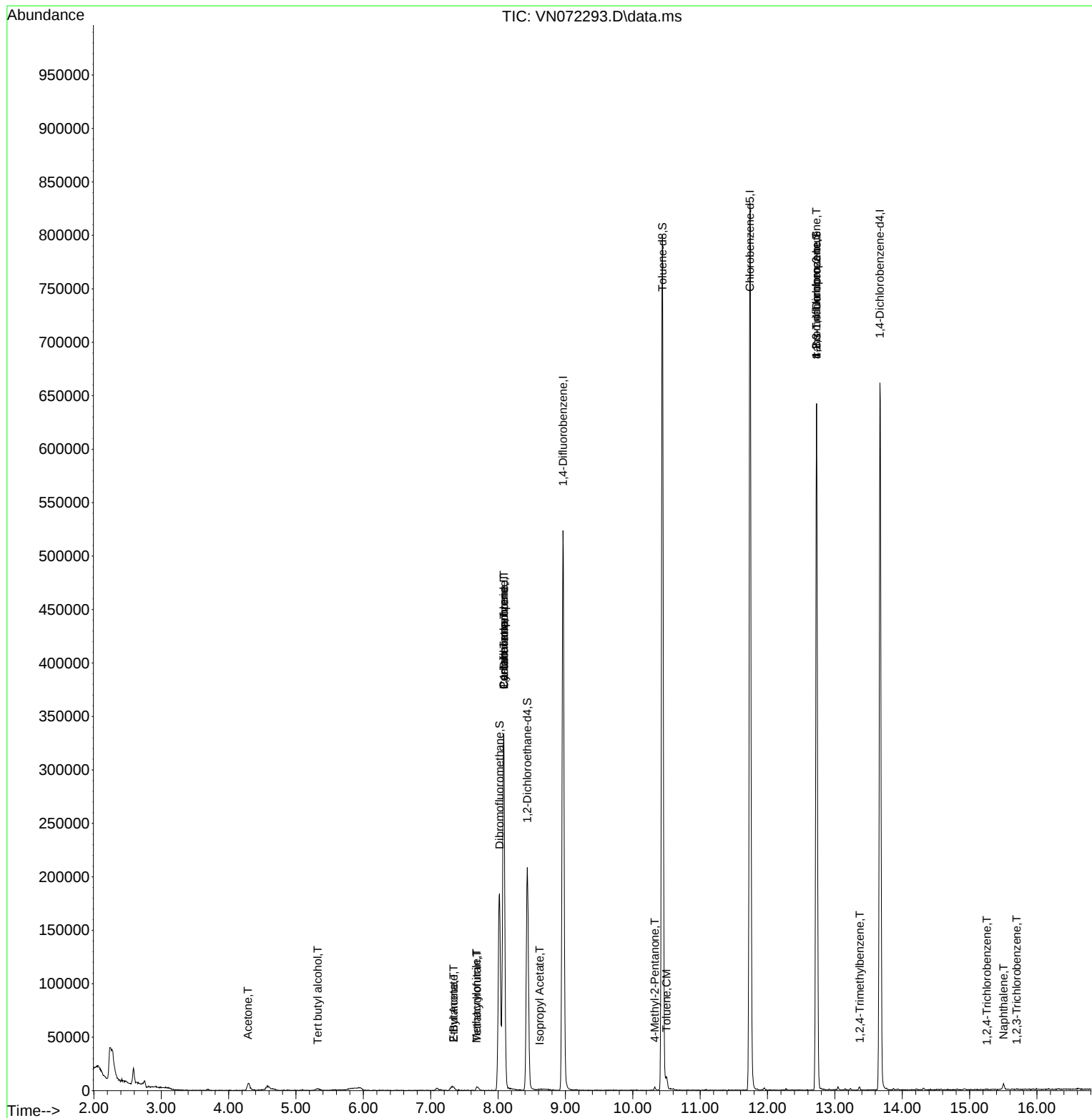
Internal Standards						
1) Pentafluorobenzene	8.086	168	231039	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	431651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	460693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	173909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	190693	53.762	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.520%			
35) Dibromofluoromethane	8.022	113	134295	48.608	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.220%			
50) Toluene-d8	10.439	98	545346	50.234	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.727	95	226136	62.757	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 125.520%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1209	Below Cal	#	82
5) Bromomethane	2.863	94	222	Below Cal	#	2
6) Chloroethane	3.204	64	64	Below Cal	#	42
11) Tert butyl alcohol	5.322	59	1425	2.445	ug/l	# 72
16) Acetone	4.287	43	12053	7.882	ug/l	90
18) Methyl Acetate	4.840	43	69	Below Cal	#	48
25) 2-Butanone	7.339	43	4419	1.814	ug/l	# 88
29) Tetrahydrofuran	7.686	42	1389	0.869	ug/l	# 63
31) Cyclohexane	8.086	56	5536	1.168	ug/l	# 18
36) 1,1-Dichloropropene	8.086	75	20742	5.158	ug/l	# 51
37) Ethyl Acetate	7.339	43	4419	0.827	ug/l	# 67
38) Carbon Tetrachloride	8.086	117	27693	6.430	ug/l	# 17
41) Methacrylonitrile	7.681	41	1021	0.378	ug/l	# 35
43) Isopropyl Acetate	8.616	43	542	0.865	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.327	43	2157	0.428	ug/l	# 74
52) Toluene	10.498	92	3650	0.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.727	83	73	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	132282	33.782	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	132282	87.950	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.368	105	2641	0.213	ug/l	74
93) 1,2,4-Trichlorobenzene	15.257	180	178	2.483	ug/l	# 42
95) Naphthalene	15.504	128	6007	4.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	297	2.779	ug/l	# 37

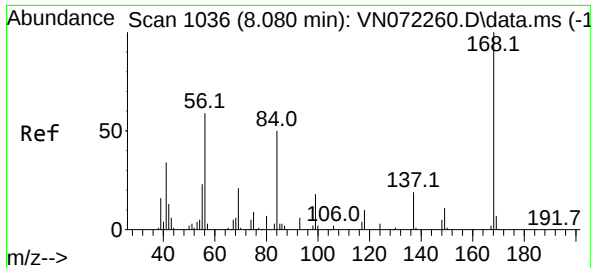
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

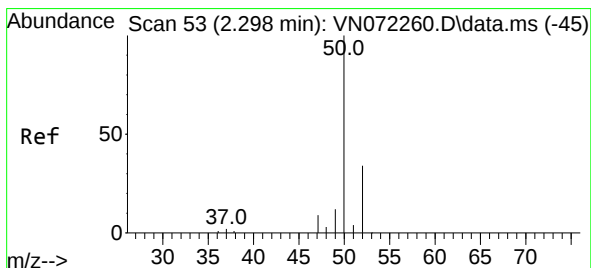
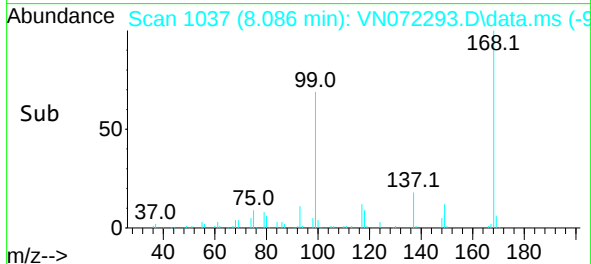
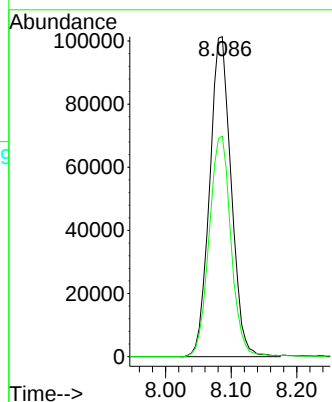
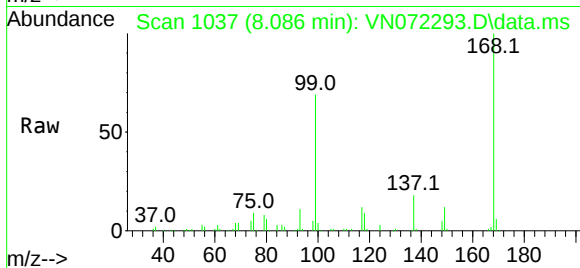




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

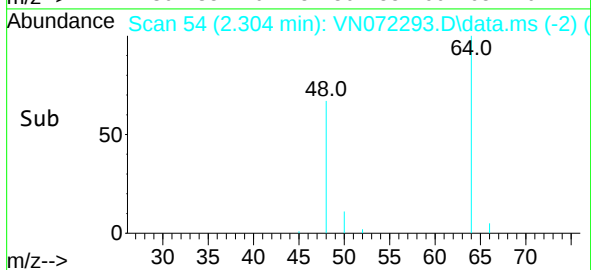
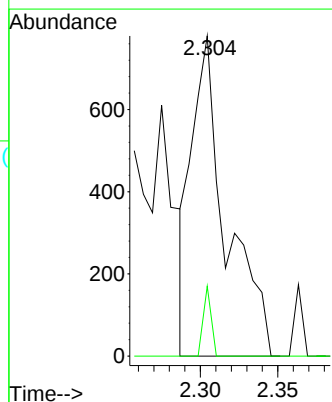
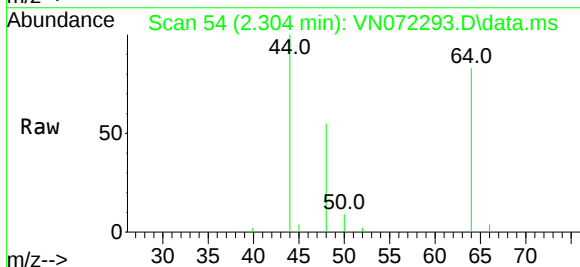
Instrument :
MSVOA_N
ClientSampleId :

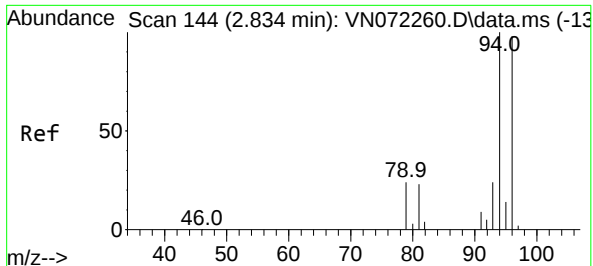
Tgt Ion:168 Resp: 231039
Ion Ratio Lower Upper
168 100
99 68.9 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Tgt Ion: 50 Resp: 1209
Ion Ratio Lower Upper
50 100
52 21.8 25.7 38.5#





#5

Bromomethane

Concen: Below Cal

RT: 2.863 min Scan# 14

Delta R.T. 0.029 min

Lab File: VN072293.D

Acq: 02 May 2022 13:59

Instrument :

MSVOA_N

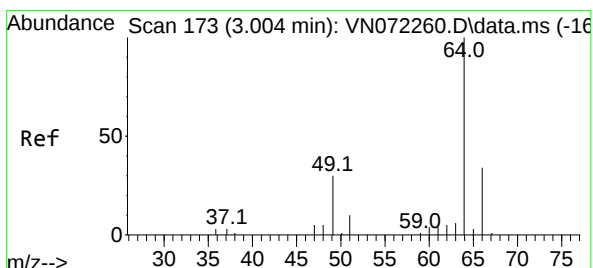
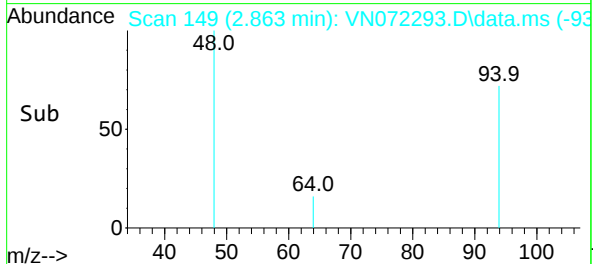
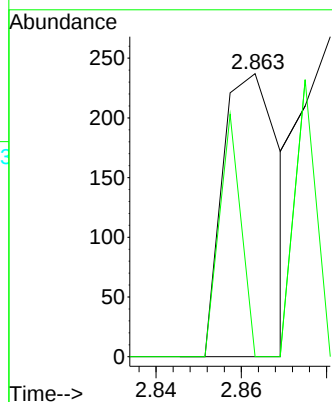
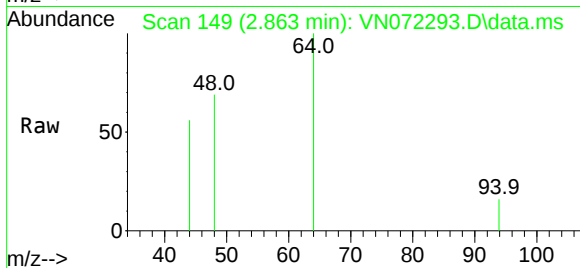
ClientSampleId :

Tgt Ion: 94 Resp: 222

Ion Ratio Lower Upper

94 100

96 0.0 76.0 114.0#



#6

Chloroethane

Concen: Below Cal

RT: 3.204 min Scan# 207

Delta R.T. 0.199 min

Lab File: VN072293.D

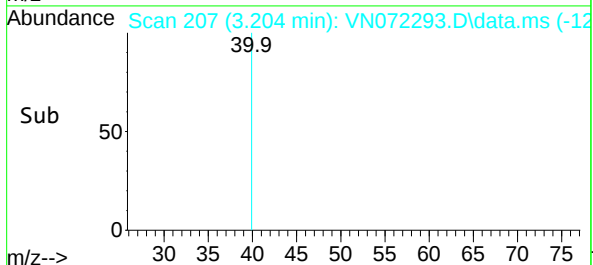
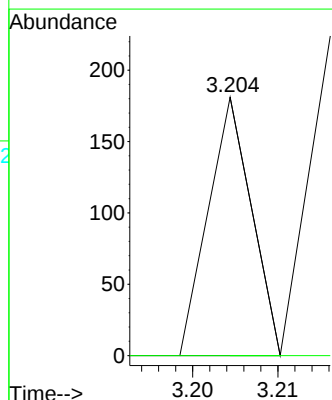
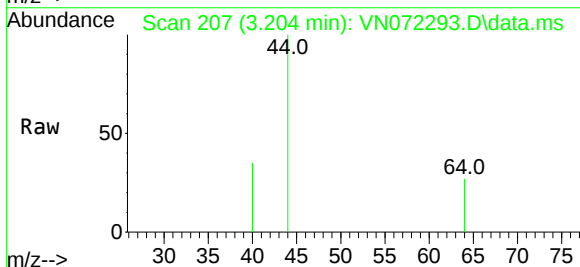
Acq: 02 May 2022 13:59

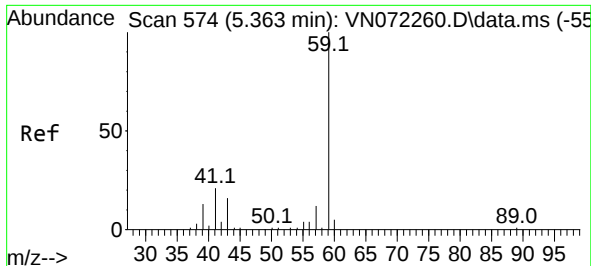
Tgt Ion: 64 Resp: 64

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

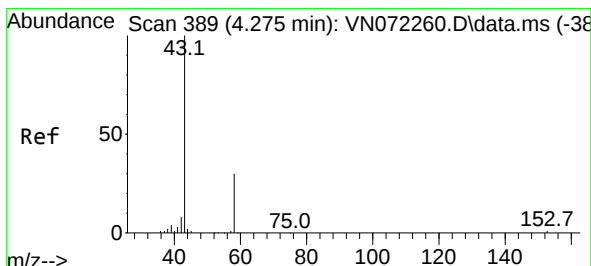
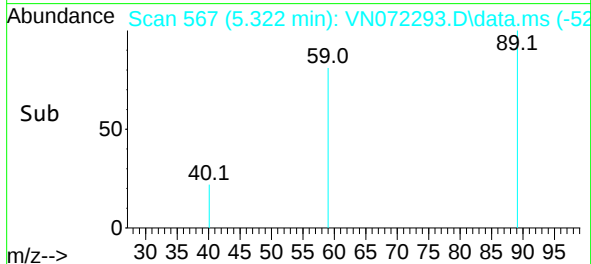
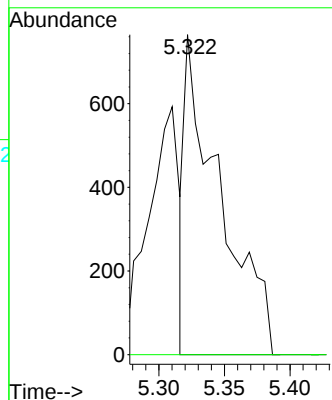
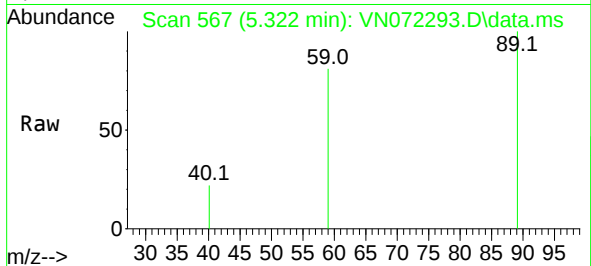




#11
Tert butyl alcohol
Concen: 2.445 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

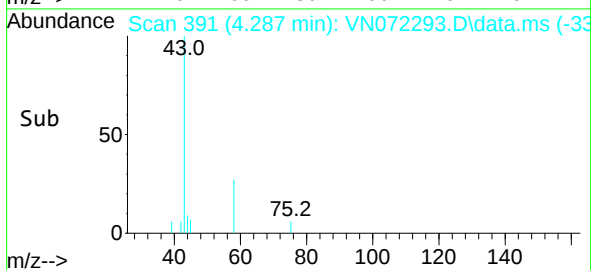
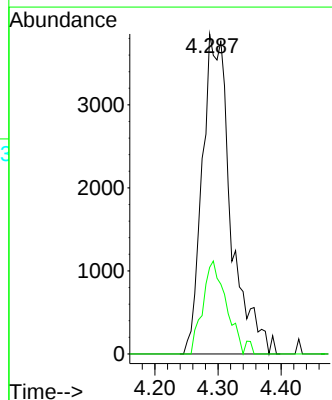
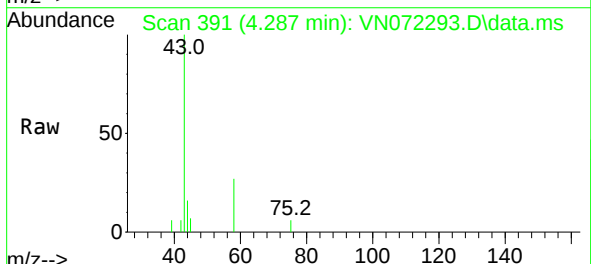
Instrument :
MSVOA_N
ClientSampleId :

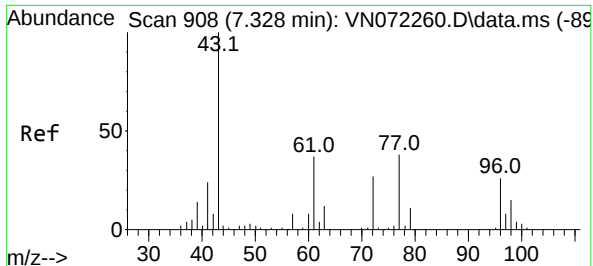
Tgt Ion: 59 Resp: 1425
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 7.882 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Tgt Ion: 43 Resp: 12053
Ion Ratio Lower Upper
43 100
58 27.1 26.0 39.0





#25

2-Butanone

Concen: 1.814 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN072293.D

Acq: 02 May 2022 13:59

Instrument :

MSVOA_N

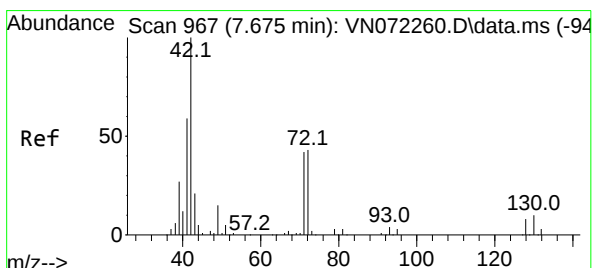
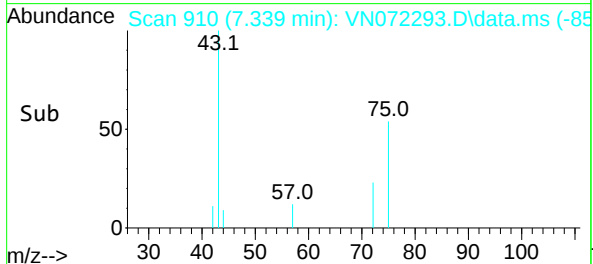
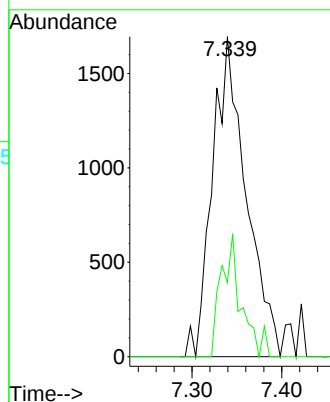
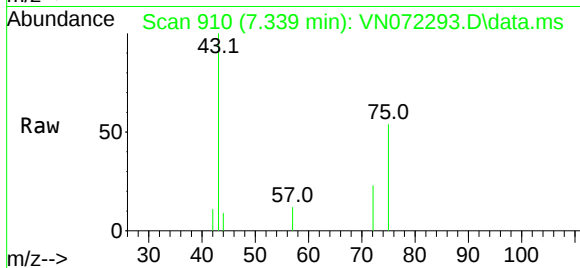
ClientSampleId :

Tgt Ion: 43 Resp: 4419

Ion Ratio Lower Upper

43 100

72 23.1 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.869 ug/l

RT: 7.686 min Scan# 969

Delta R.T. 0.005 min

Lab File: VN072293.D

Acq: 02 May 2022 13:59

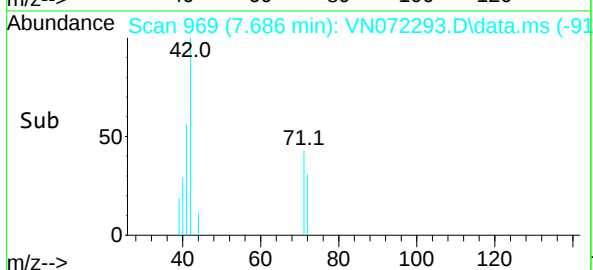
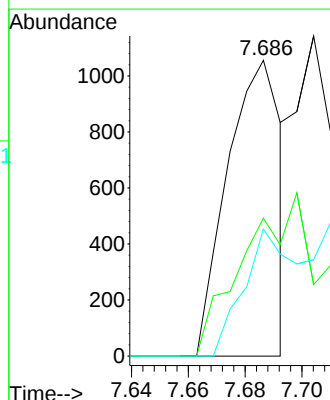
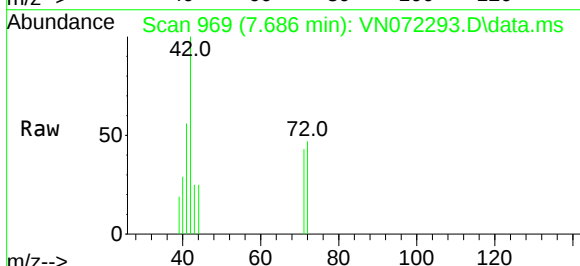
Tgt Ion: 42 Resp: 1389

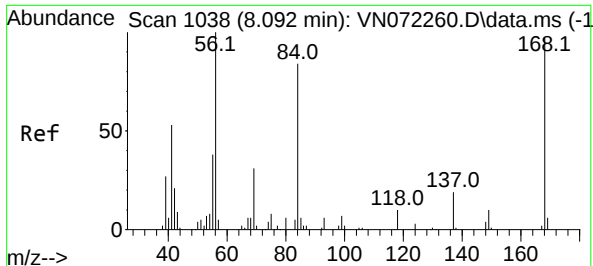
Ion Ratio Lower Upper

42 100

72 92.4 39.7 59.5#

71 39.7 36.6 55.0





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

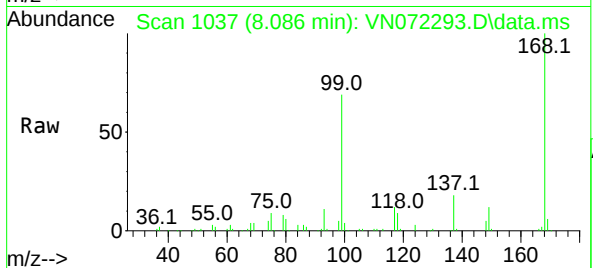
Lab File: VN072293.D

Acq: 02 May 2022 13:59

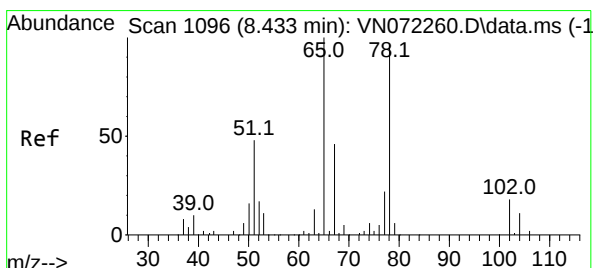
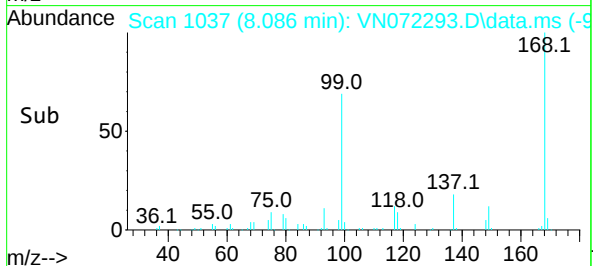
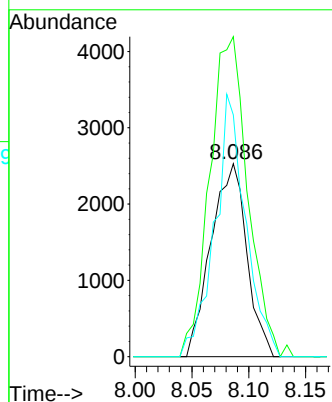
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	5536
Ion Ratio	100	Lower	Upper
56	100		
69	165.8	27.8	41.8#
84	125.3	76.9	115.3#



#33

1,2-Dichloroethane-d4

Concen: 53.762 ug/l

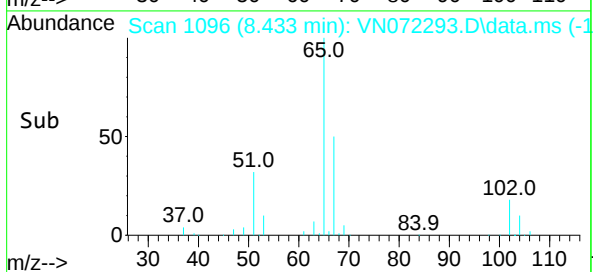
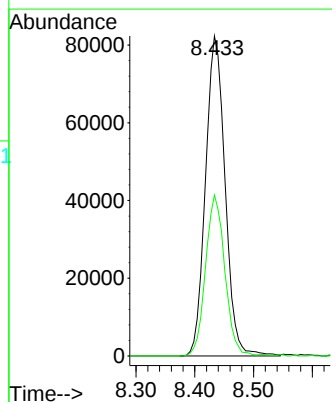
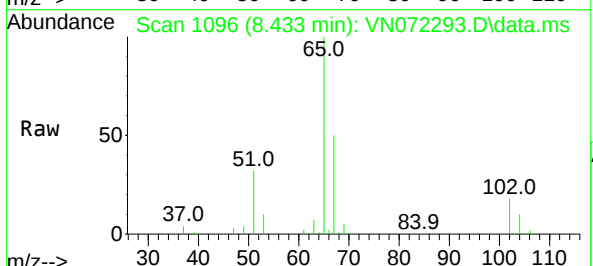
RT: 8.433 min Scan# 1096

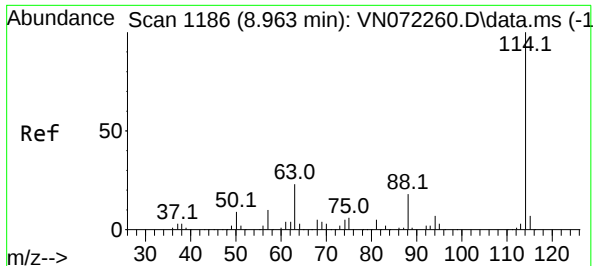
Delta R.T. -0.001 min

Lab File: VN072293.D

Acq: 02 May 2022 13:59

Tgt Ion:	65	Resp:	190693
Ion Ratio	100	Lower	Upper
65	100		
67	49.3	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: VN072293.D

Acq: 02 May 2022 13:59

Instrument :

MSVOA_N

ClientSampleId :

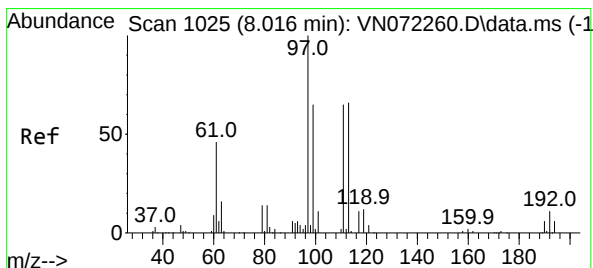
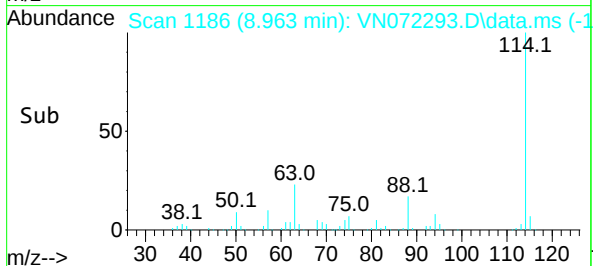
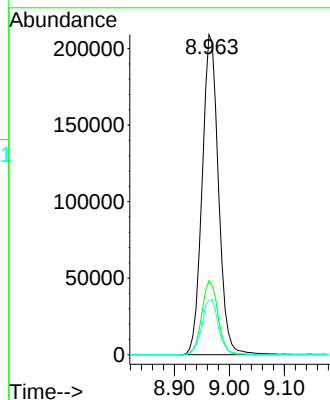
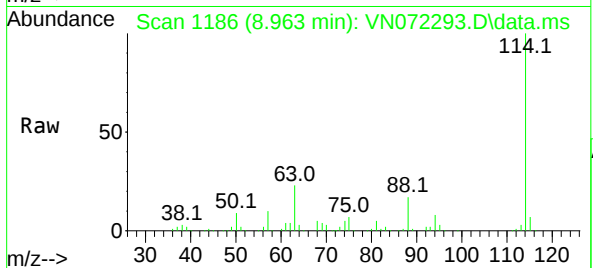
Tgt Ion:114 Resp: 431651

Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.0

88 16.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.608 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072293.D

Acq: 02 May 2022 13:59

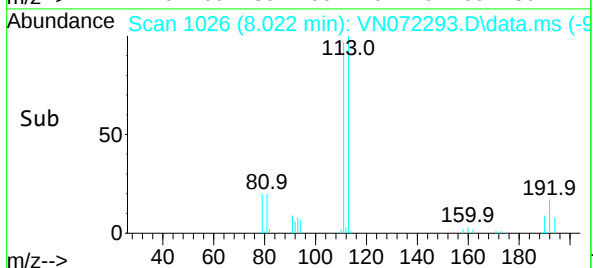
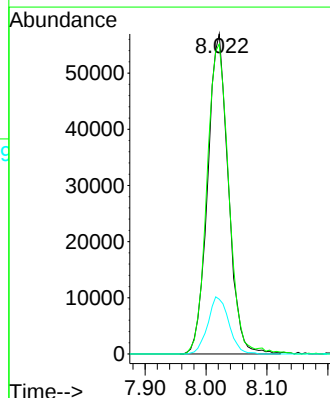
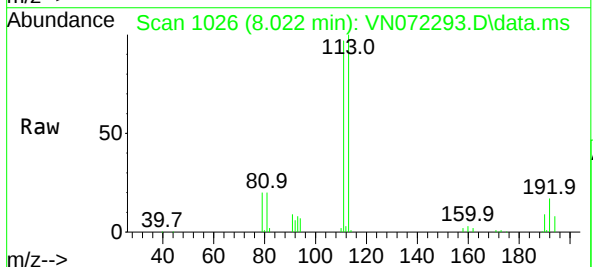
Tgt Ion:113 Resp: 134295

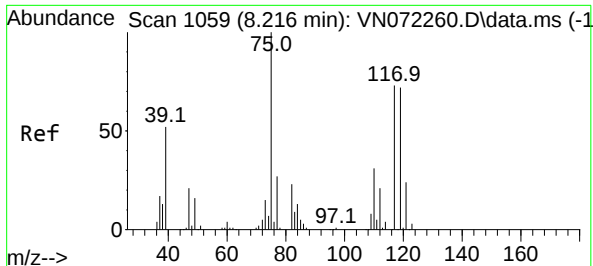
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 18.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.130 min

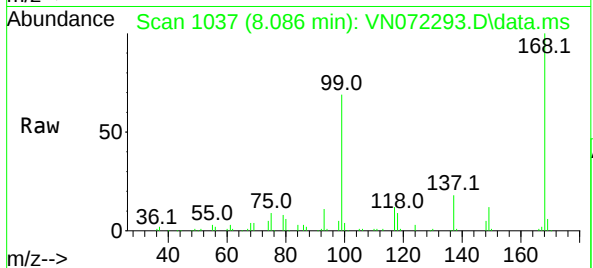
Lab File: VN072293.D

Acq: 02 May 2022 13:59

Instrument :

MSVOA_N

ClientSampleId :



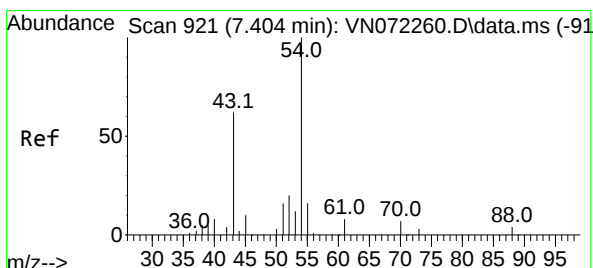
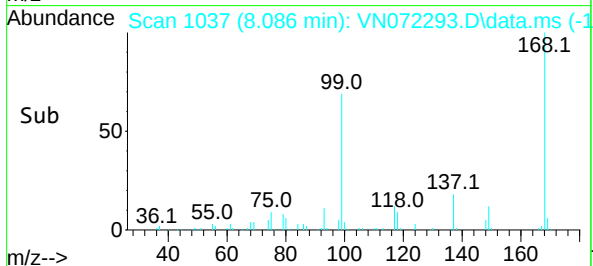
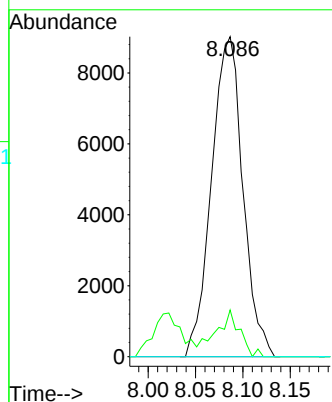
Tgt Ion: 75 Resp: 20742

Ion Ratio Lower Upper

75 100

110 11.2 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.827 ug/l

RT: 7.339 min Scan# 910

Delta R.T. -0.071 min

Lab File: VN072293.D

Acq: 02 May 2022 13:59

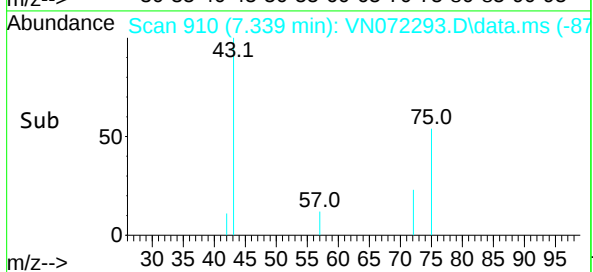
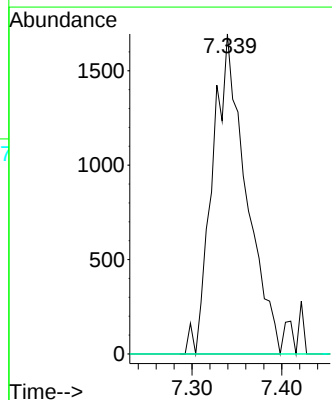
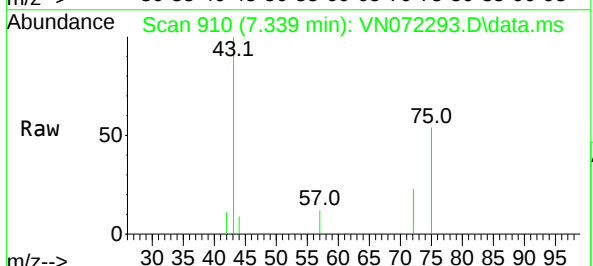
Tgt Ion: 43 Resp: 4419

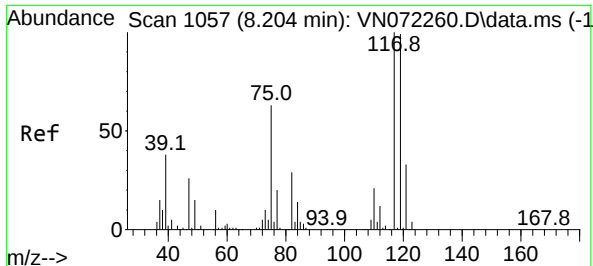
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

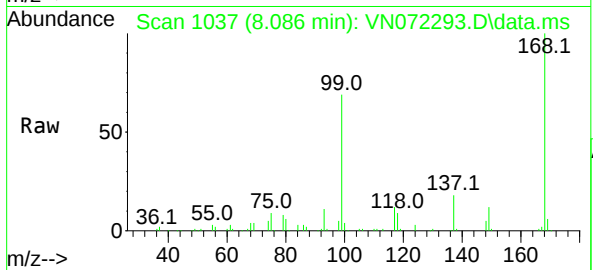
70 0.0 9.3 13.9#



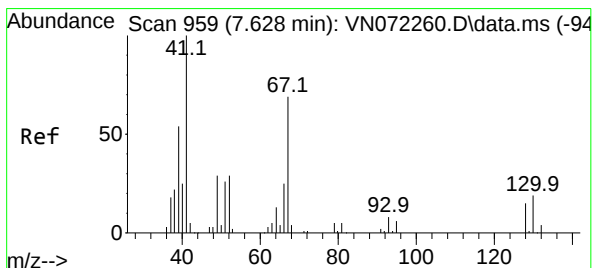
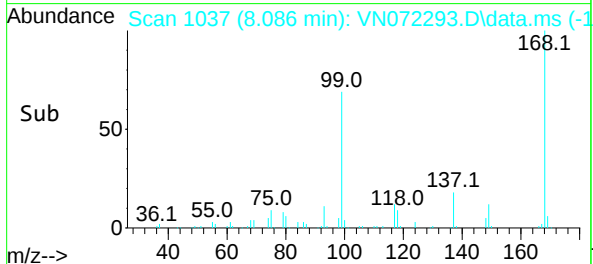
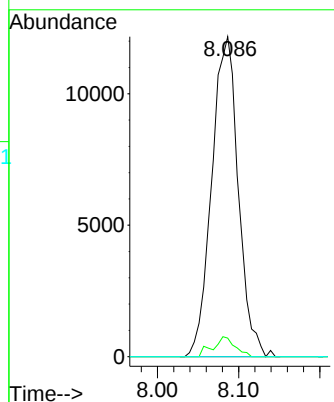


#38
Carbon Tetrachloride
Concen: 6.430 ug/l
RT: 8.086 min Scan# 1057
Delta R.T. -0.118 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Instrument :
MSVOA_N
ClientSampleId :

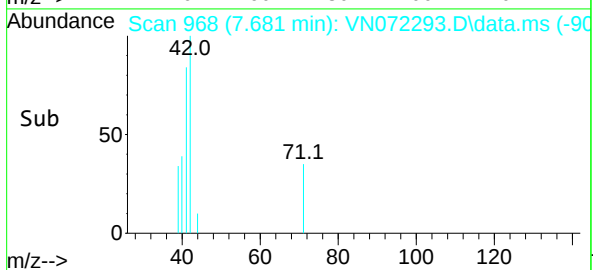
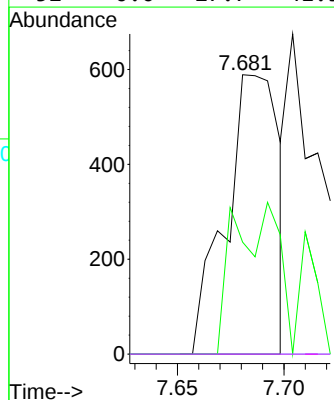
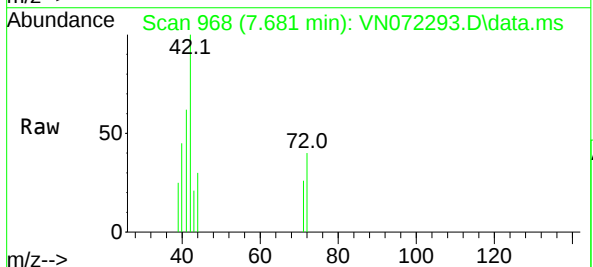


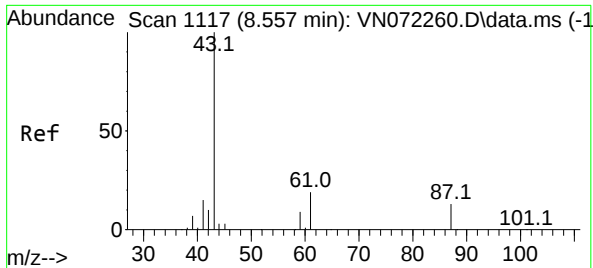
Tgt Ion:117 Resp: 27693
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.378 ug/l
RT: 7.681 min Scan# 968
Delta R.T. 0.047 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Tgt Ion: 41 Resp: 1021
Ion Ratio Lower Upper
41 100
39 45.6 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

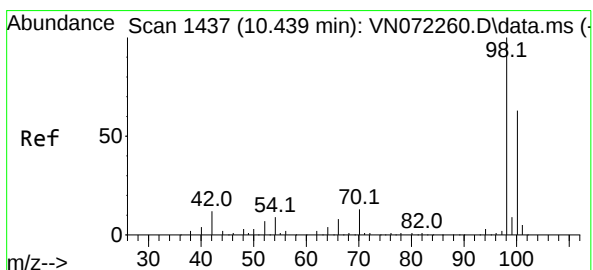
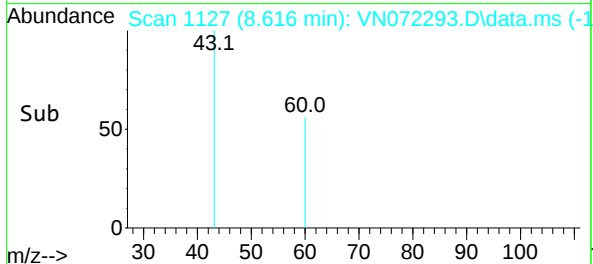
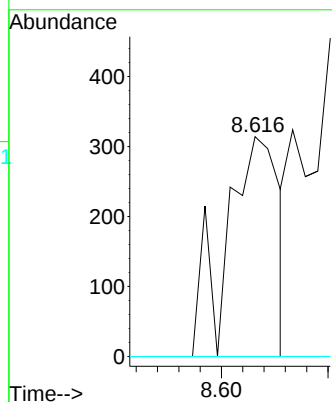
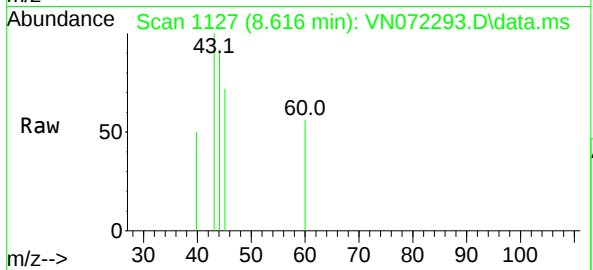




#43
Isopropyl Acetate
Concen: 0.865 ug/l
RT: 8.616 min Scan# 1117
Delta R.T. 0.059 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

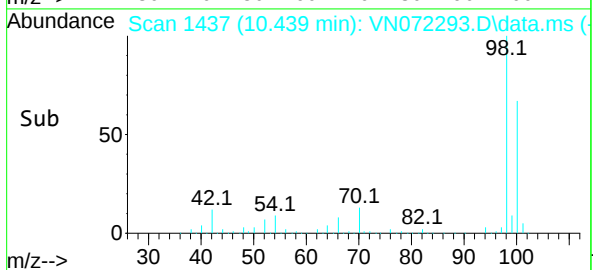
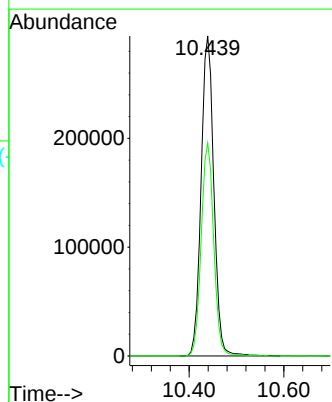
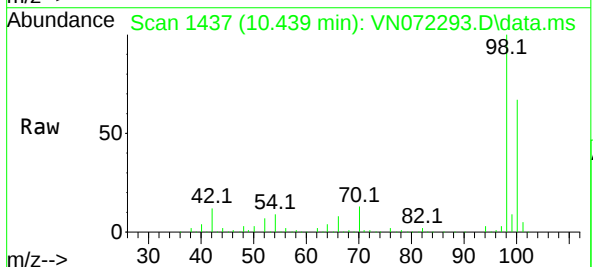
Instrument :
MSVOA_N
ClientSampleId :

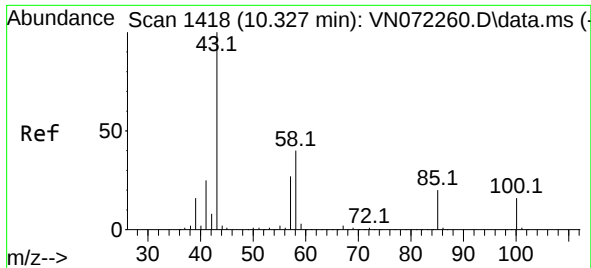
Tgt Ion: 43 Resp: 542
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 50.234 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Tgt Ion: 98 Resp: 545346
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8

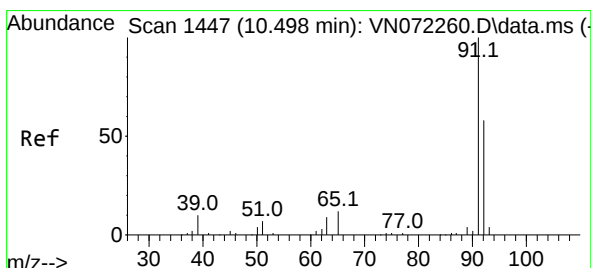
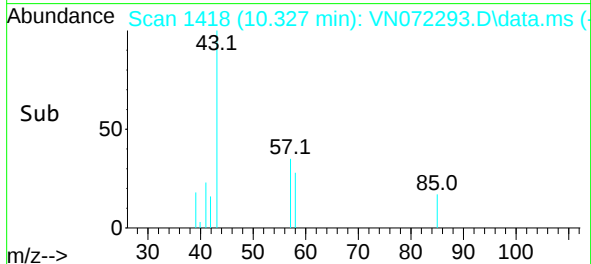
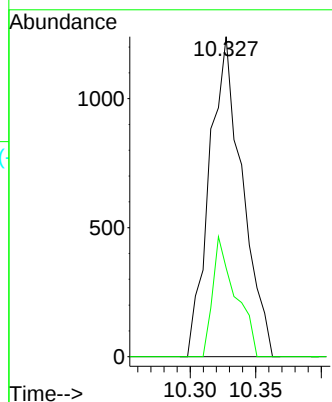
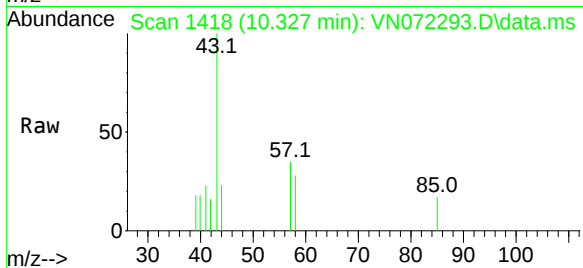




#51
4-Methyl-2-Pentanone
Concen: 0.428 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

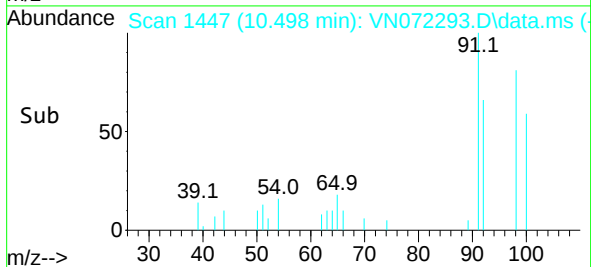
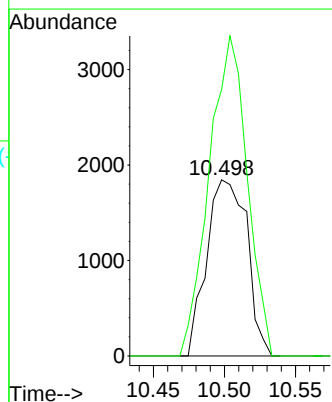
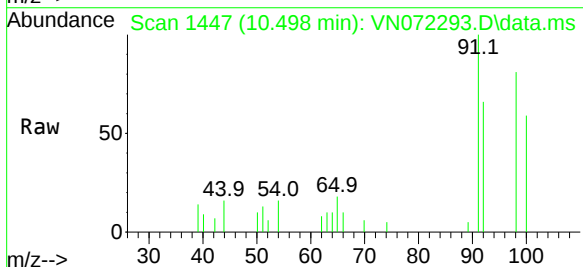
Instrument :
MSVOA_N
ClientSampleId :

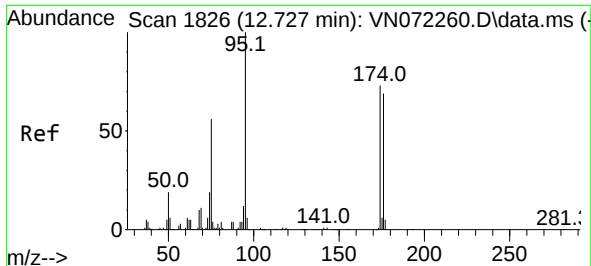
Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
58 26.2 34.1 51.1#



#52
Toluene
Concen: 0.489 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Tgt Ion: 92 Resp: 3650
Ion Ratio Lower Upper
92 100
91 171.3 138.6 207.8

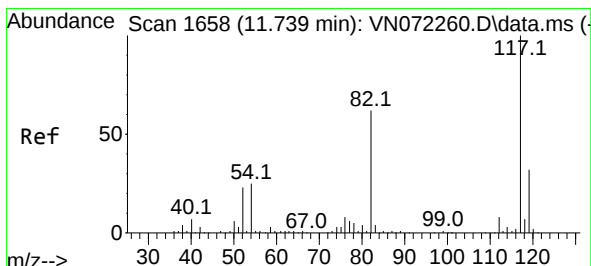
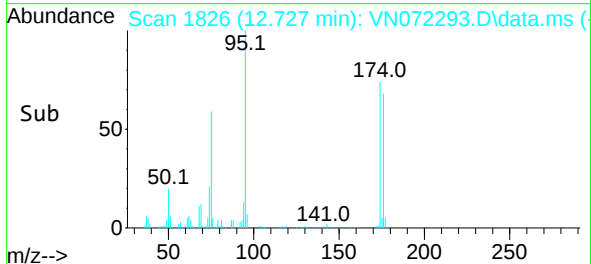
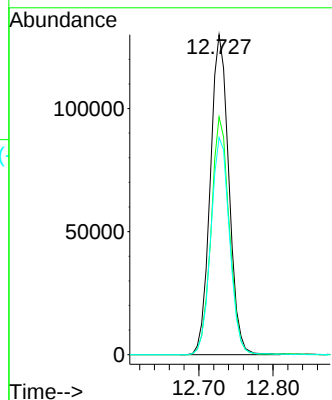
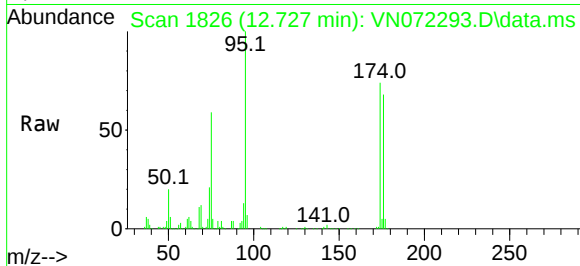




#62
4-Bromofluorobenzene
Concen: 62.757 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

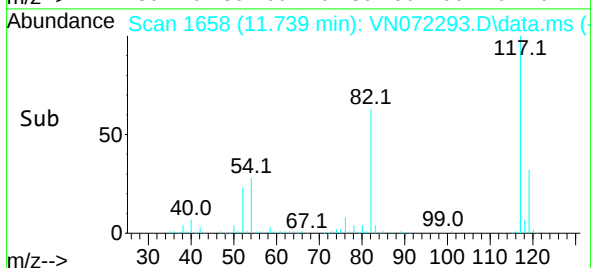
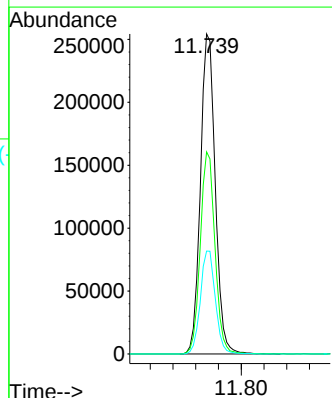
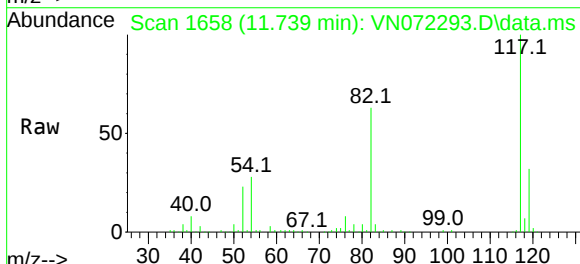
Instrument :
MSVOA_N
ClientSampleId :

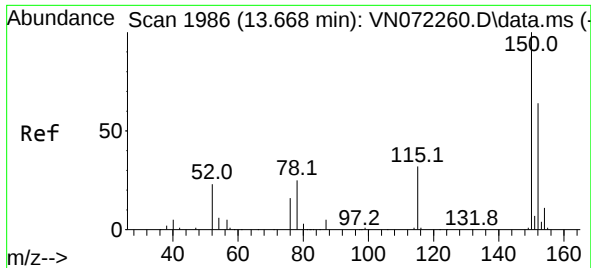
Tgt Ion: 95 Resp: 226136
Ion Ratio Lower Upper
95 100
174 72.7 0.0 167.6
176 68.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

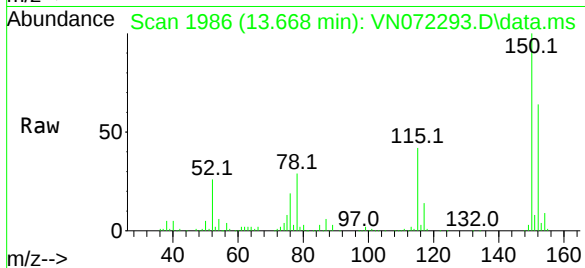
Tgt Ion: 117 Resp: 460693
Ion Ratio Lower Upper
117 100
82 63.2 44.2 66.2
119 32.2 25.4 38.0



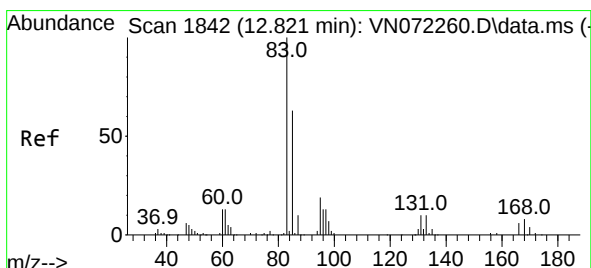
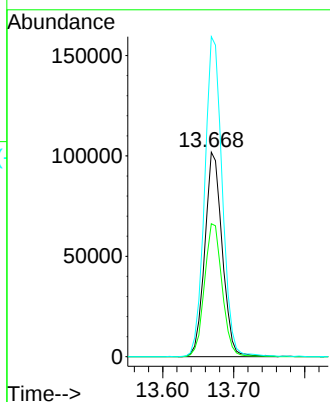
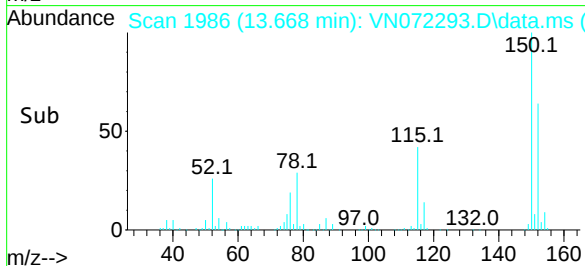


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072293.D
 Acq: 02 May 2022 13:59

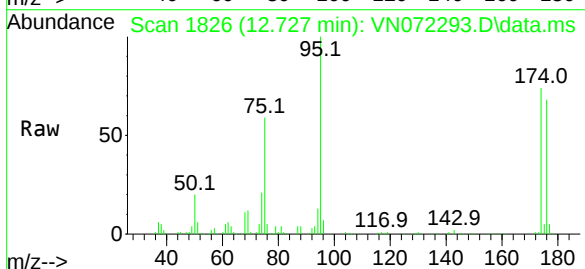
Instrument :
 MSVOA_N
 ClientSampleId :



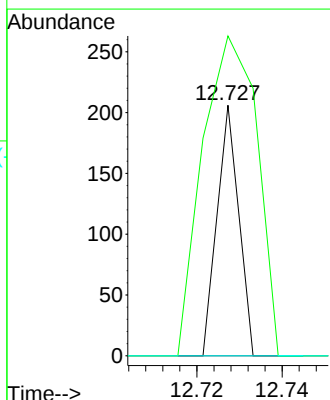
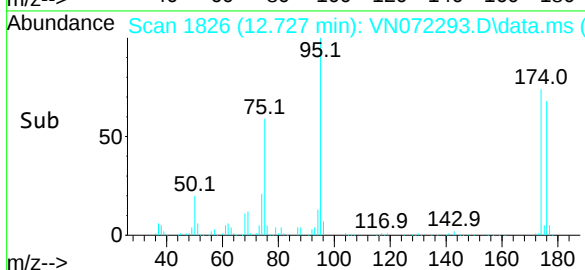
Tgt Ion:152 Resp: 173909
 Ion Ratio Lower Upper
 152 100
 115 65.9 28.9 86.7
 150 157.8 0.0 356.2

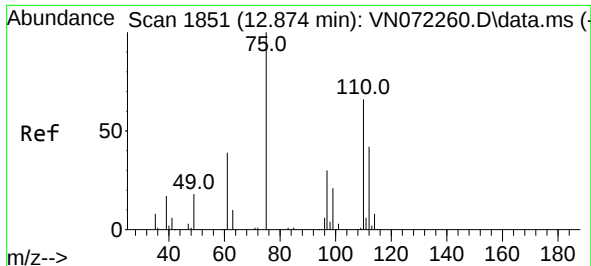


#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.095 min
 Lab File: VN072293.D
 Acq: 02 May 2022 13:59



Tgt Ion: 83 Resp: 73
 Ion Ratio Lower Upper
 83 100
 131 320.5 5.3 15.9#
 85 0.0 32.3 96.9#

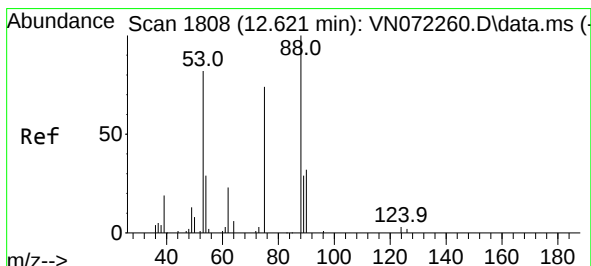
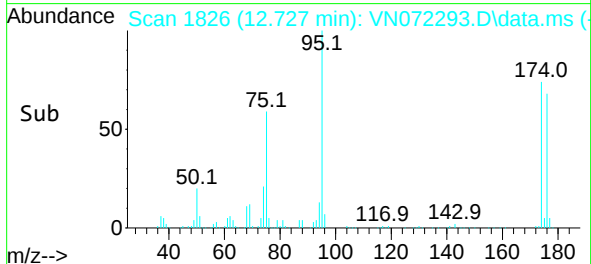
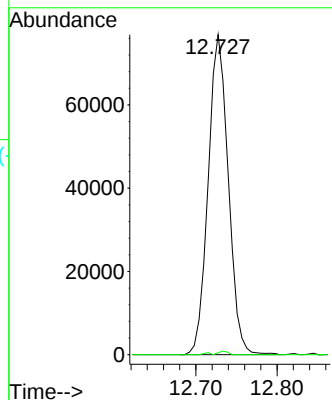
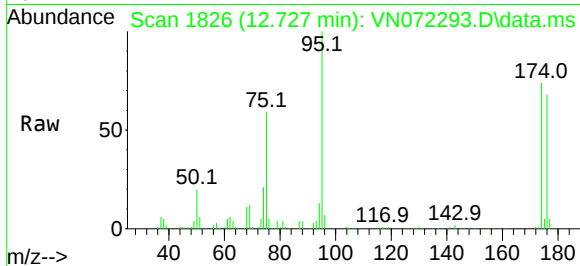




#76
1,2,3-Trichloropropane
Concen: 33.782 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

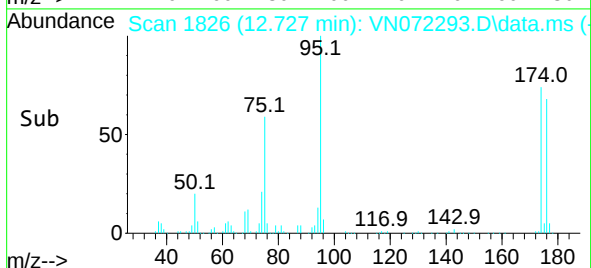
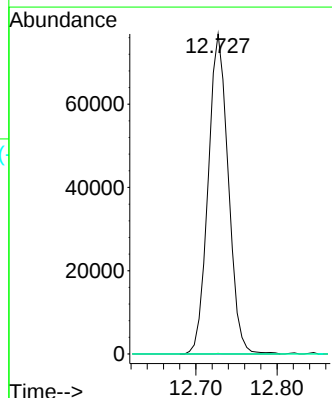
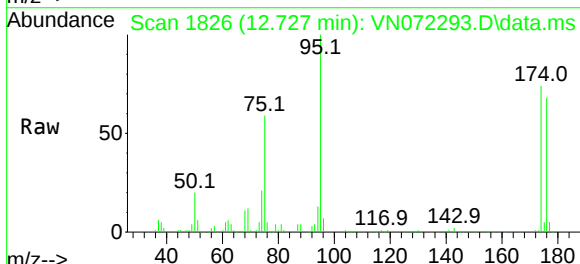
Instrument :
MSVOA_N
ClientSampleId :

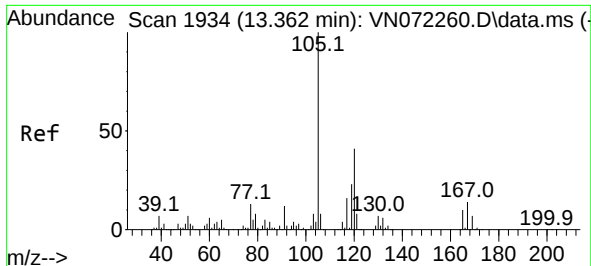
Tgt Ion: 75 Resp: 132282
Ion Ratio Lower Upper
75 100
77 0.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.950 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Tgt Ion: 75 Resp: 132282
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

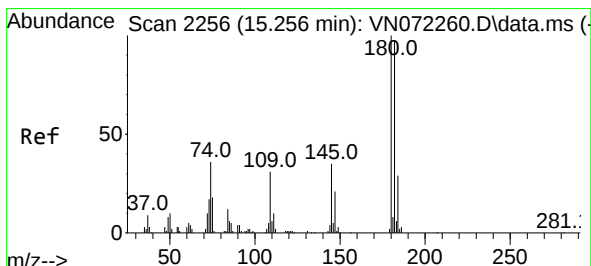
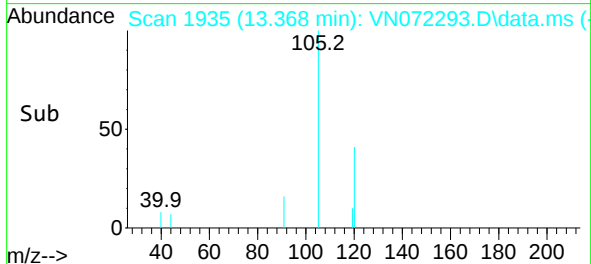
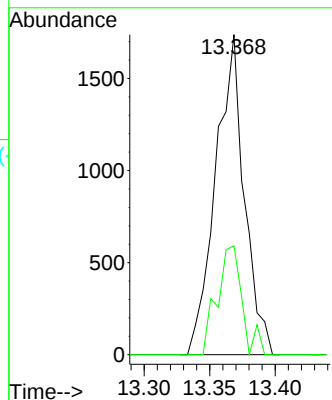
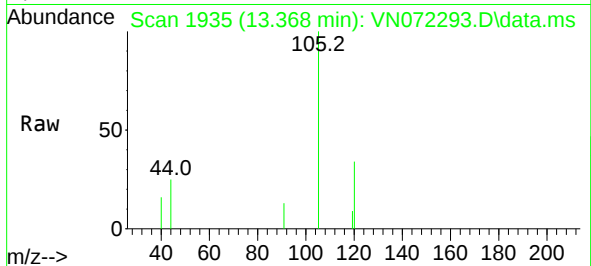




#84
1,2,4-Trimethylbenzene
Concen: 0.213 ug/l
RT: 13.368 min Scan# 1934
Delta R.T. 0.005 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

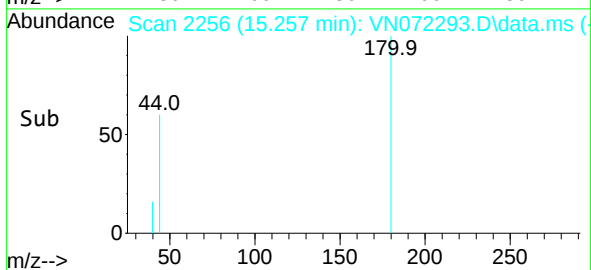
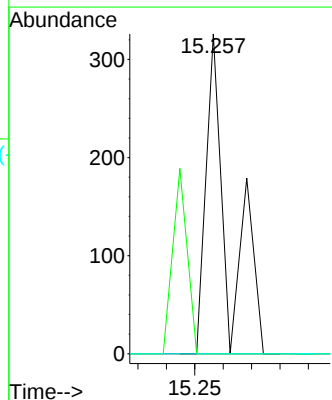
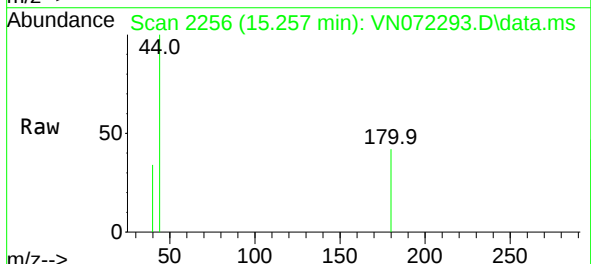
Instrument :
MSVOA_N
ClientSampleId :

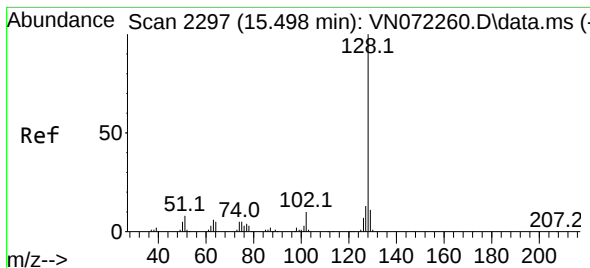
Tgt Ion:105 Resp: 2641
Ion Ratio Lower Upper
105 100
120 29.4 23.3 69.8



#93
1,2,4-Trichlorobenzene
Concen: 2.483 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN072293.D
Acq: 02 May 2022 13:59

Tgt Ion:180 Resp: 178
Ion Ratio Lower Upper
180 100
182 37.6 47.5 142.5#
145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 4.909 ug/l

RT: 15.504 min Scan# 21

Delta R.T. 0.006 min

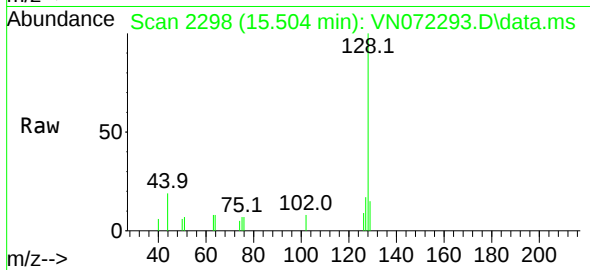
Lab File: VN072293.D

Acq: 02 May 2022 13:59

Instrument :

MSVOA_N

ClientSampleId :



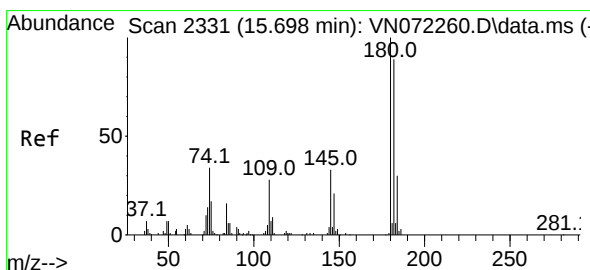
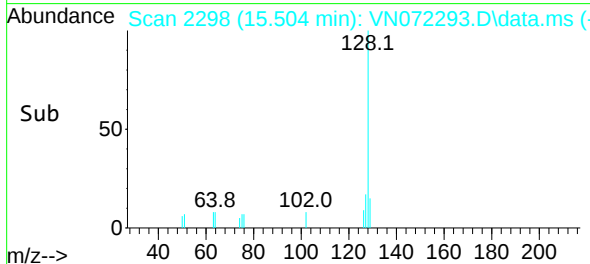
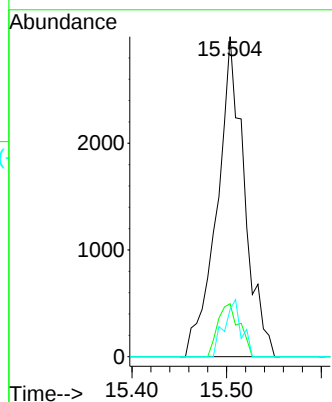
Tgt Ion:128 Resp: 6007

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.779 ug/l

RT: 15.698 min Scan# 2331

Delta R.T. 0.006 min

Lab File: VN072293.D

Acq: 02 May 2022 13:59

Tgt Ion:180 Resp: 297

Ion Ratio Lower Upper

180 100

182 32.7 47.8 143.3#

145 0.0 15.5 46.5#

