

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073667.D
 Acq On : 01 Aug 2022 18:11
 Operator : JC\MD
 Sample : N3965-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-072222

Quant Time: Aug 02 05:04:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

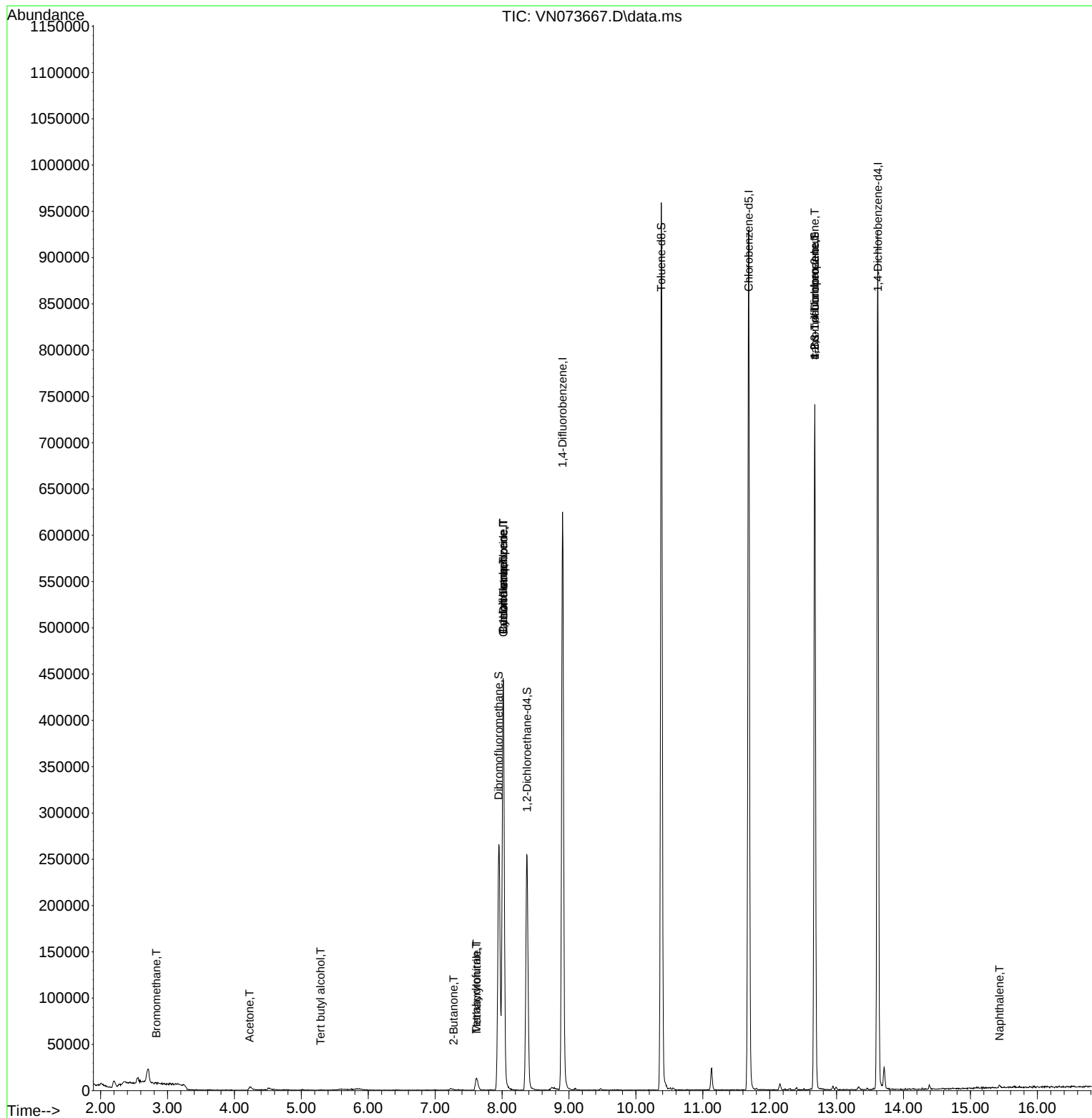
Internal Standards						
1) Pentafluorobenzene	8.016	168	359642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	575916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	555231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	258515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	211766	48.317	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.640%			
35) Dibromofluoromethane	7.951	113	199407	55.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.280%			
50) Toluene-d8	10.380	98	666601	46.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.680%			
62) 4-Bromofluorobenzene	12.674	95	241481	50.660	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.320%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	722	Below Cal	#	73
5) Bromomethane	2.834	94	815	0.230	ug/l #	75
6) Chloroethane	2.969	64	798	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	303	0.321	ug/l #	72
16) Acetone	4.228	43	7457	3.168	ug/l	98
20) Methylene Chloride	4.998	84	113	Below Cal	#	41
25) 2-Butanone	7.275	43	1051	0.287	ug/l #	45
29) Tetrahydrofuran	7.616	42	10034	4.341	ug/l	95
31) Cyclohexane	8.016	56	7151	1.096	ug/l #	31
36) 1,1-Dichloropropene	8.016	75	26103	5.064	ug/l #	48
38) Carbon Tetrachloride	8.022	117	34575	6.605	ug/l #	16
41) Methacrylonitrile	7.622	41	6292	2.048	ug/l #	38
76) 1,2,3-Trichloropropane	12.674	75	125742	24.935	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	125742	63.034	ug/l #	11
95) Naphthalene	15.433	128	2970	0.202	ug/l #	84

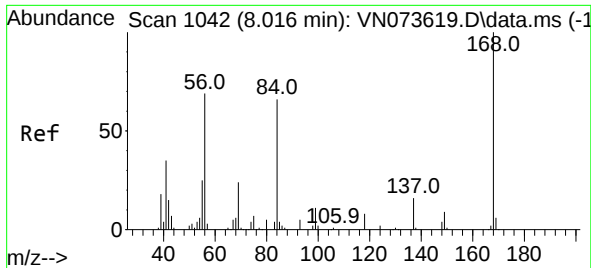
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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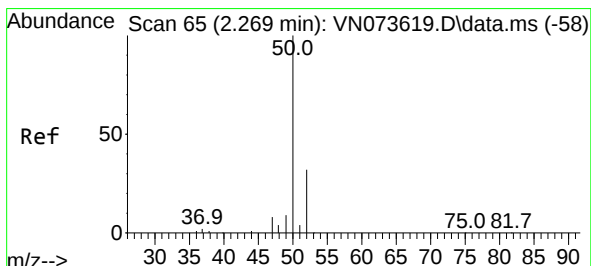
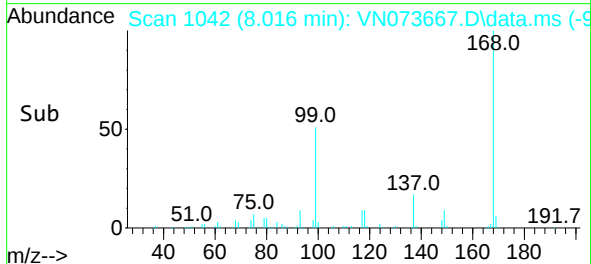
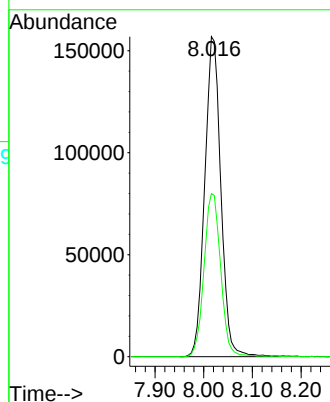
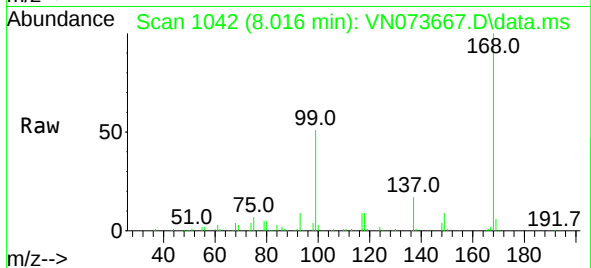




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

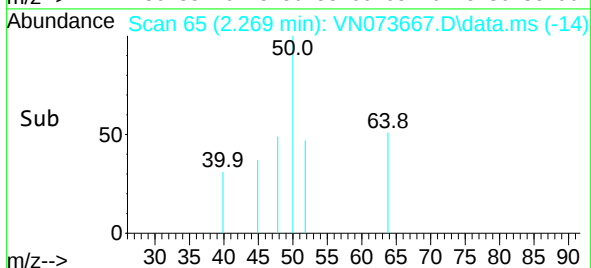
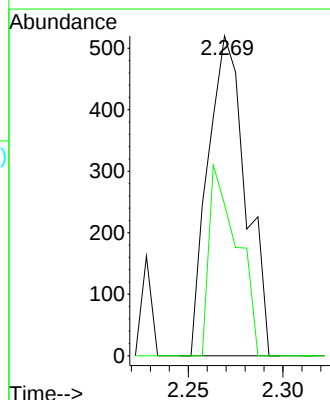
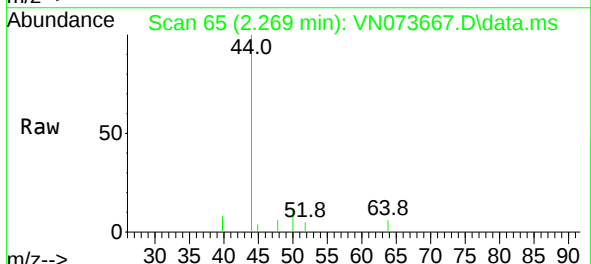
Instrument :
MSVOA_N
ClientSampleId :
TB-072222

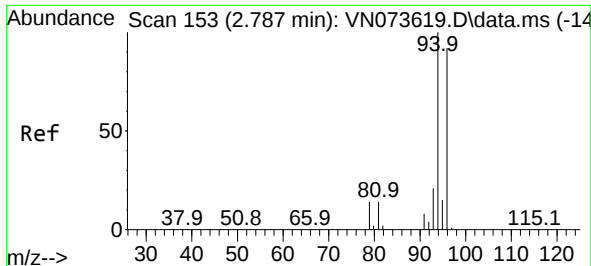
Tgt Ion:168 Resp: 359642
Ion Ratio Lower Upper
168 100
99 50.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

Tgt Ion: 50 Resp: 722
Ion Ratio Lower Upper
50 100
52 47.3 25.7 38.5#

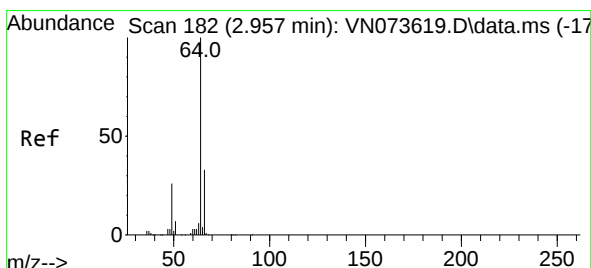
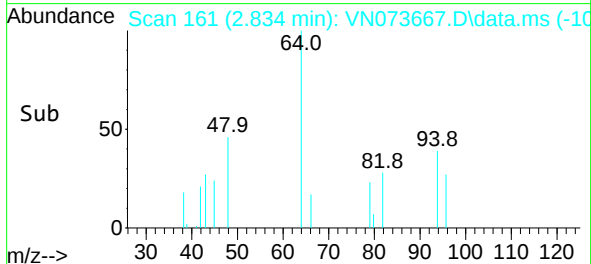
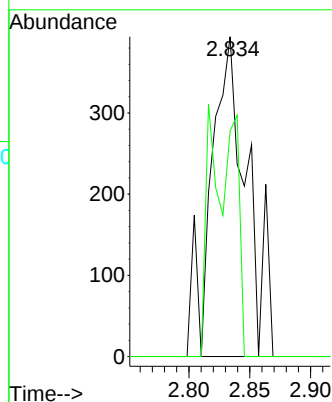
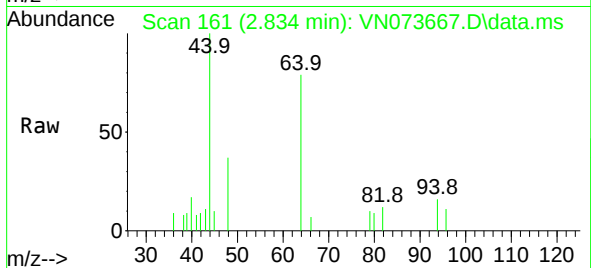




#5
Bromomethane
Concen: 0.230 ug/l
RT: 2.834 min Scan# 1
Delta R.T. 0.047 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

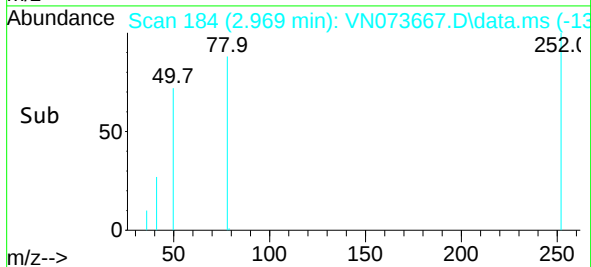
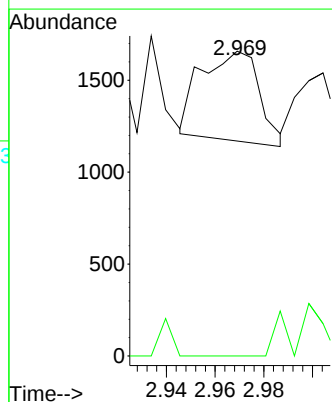
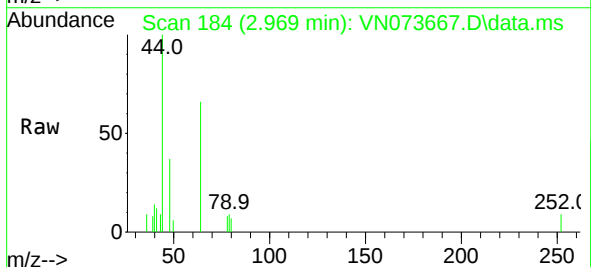
Instrument :
MSVOA_N
ClientSampleId :
TB-072222

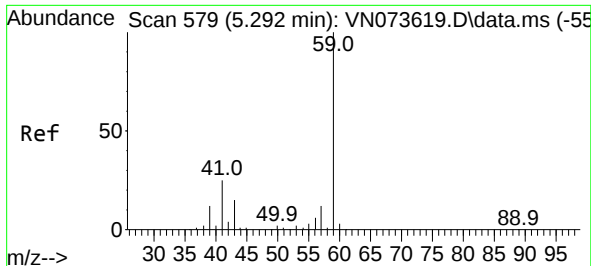
Tgt Ion: 94 Resp: 815
Ion Ratio Lower Upper
94 100
96 70.6 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 184
Delta R.T. 0.012 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

Tgt Ion: 64 Resp: 798
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

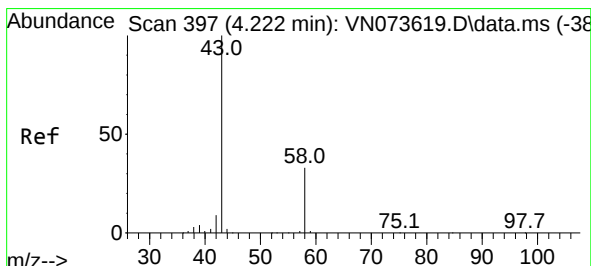
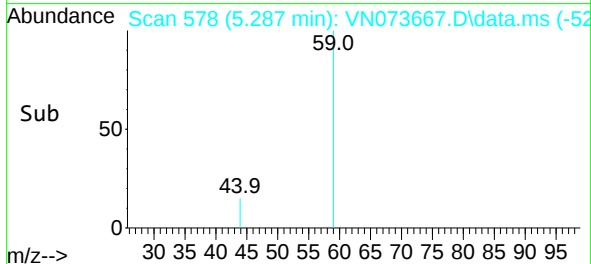
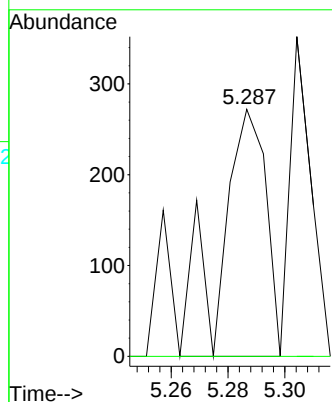
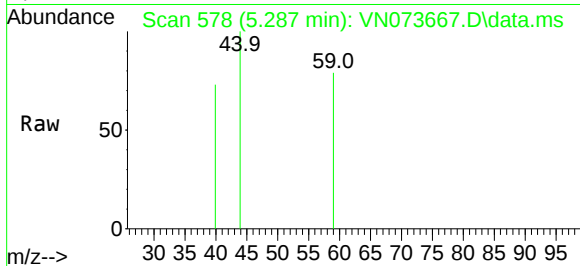




#11
Tert butyl alcohol
Concen: 0.321 ug/l
RT: 5.287 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

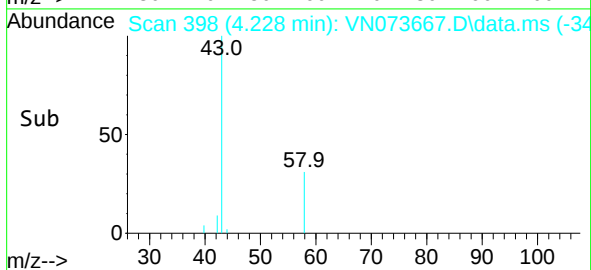
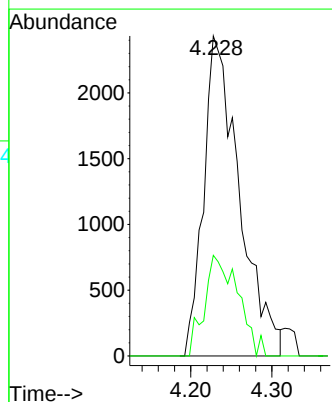
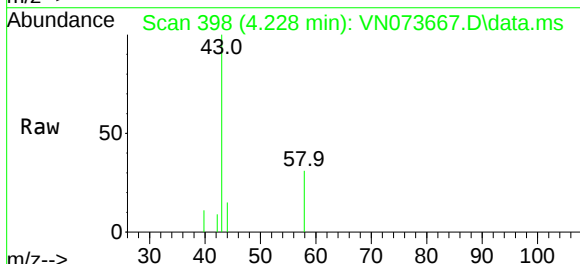
Instrument :
MSVOA_N
ClientSampleId :
TB-072222

Tgt Ion: 59 Resp: 303
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.168 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

Tgt Ion: 43 Resp: 7457
Ion Ratio Lower Upper
43 100
58 31.4 26.0 39.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.998 min Scan# 51

Delta R.T. -0.012 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

TB-072222

Tgt Ion: 84 Resp: 113

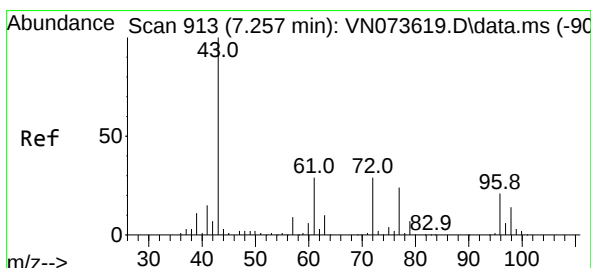
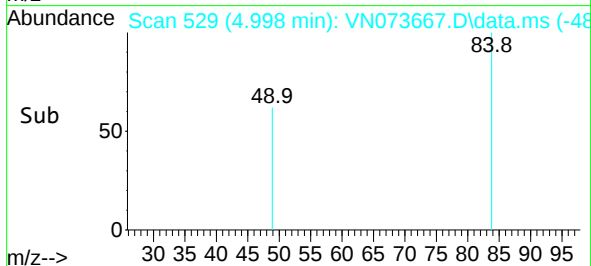
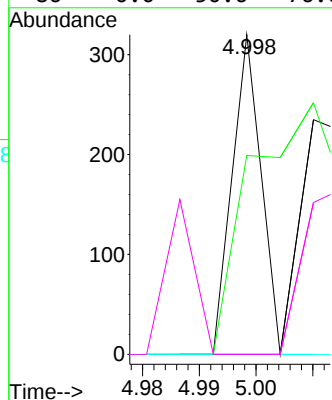
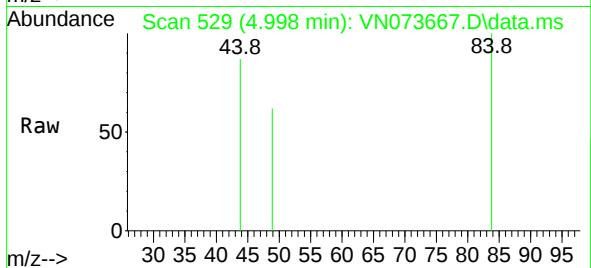
Ion Ratio Lower Upper

84 100

49 62.2 88.3 132.5#

51 0.0 28.2 42.2#

86 0.0 50.6 76.0#



#25

2-Butanone

Concen: 0.287 ug/l

RT: 7.275 min Scan# 916

Delta R.T. 0.018 min

Lab File: VN073667.D

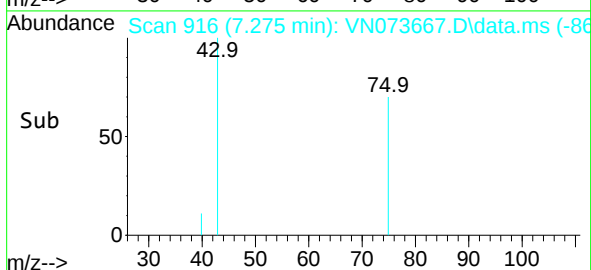
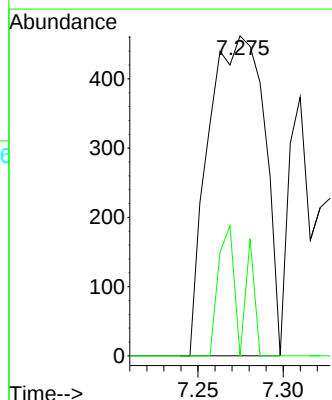
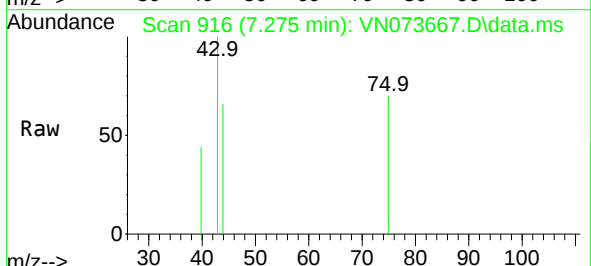
Acq: 01 Aug 2022 18:11

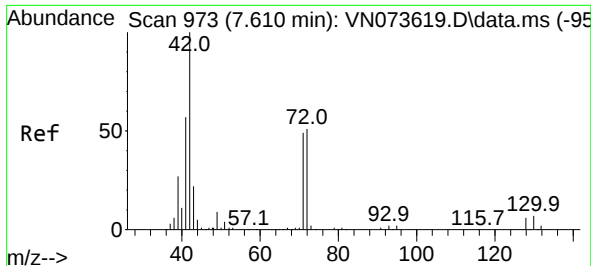
Tgt Ion: 43 Resp: 1051

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 4.341 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

TB-072222

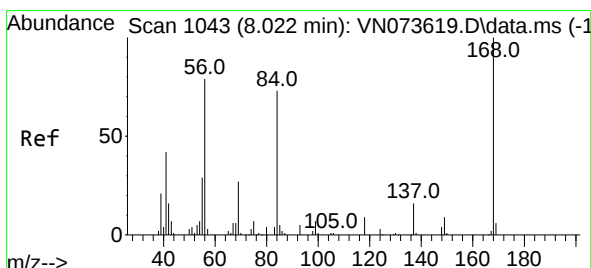
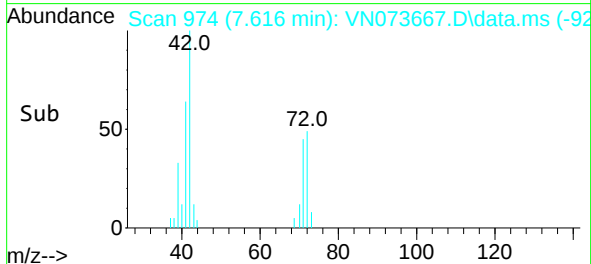
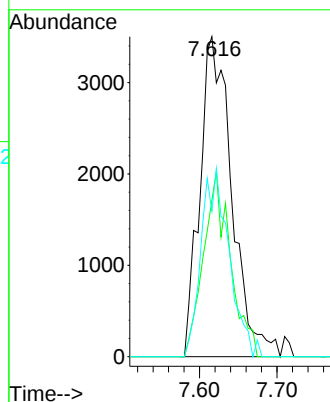
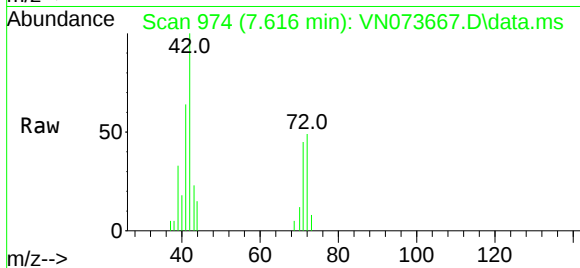
Tgt Ion: 42 Resp: 10034

Ion Ratio Lower Upper

42 100

72 48.6 39.7 59.5

71 51.0 36.6 55.0



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

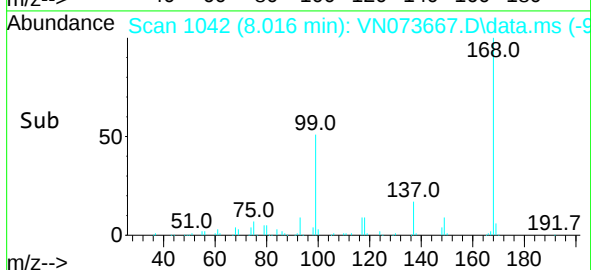
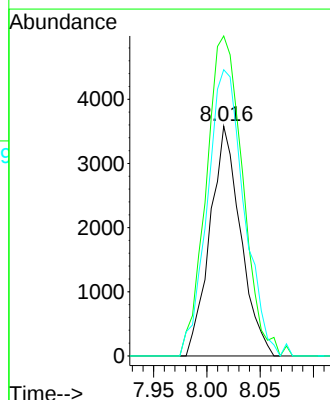
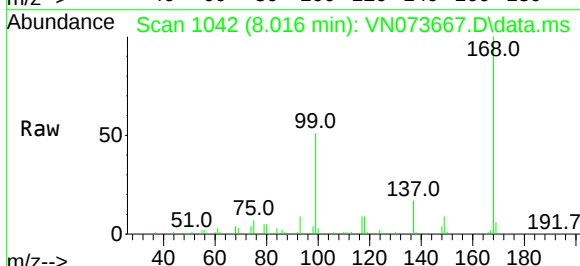
Tgt Ion: 56 Resp: 7151

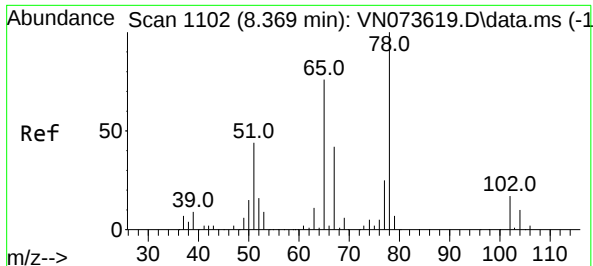
Ion Ratio Lower Upper

56 100

69 139.3 27.8 41.8#

84 124.6 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.317 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

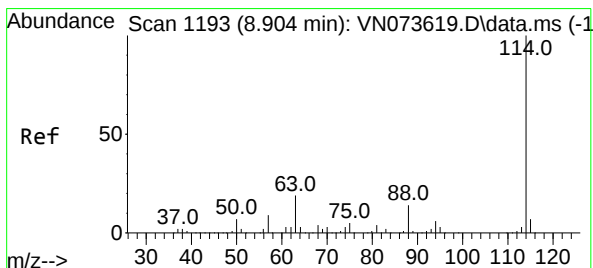
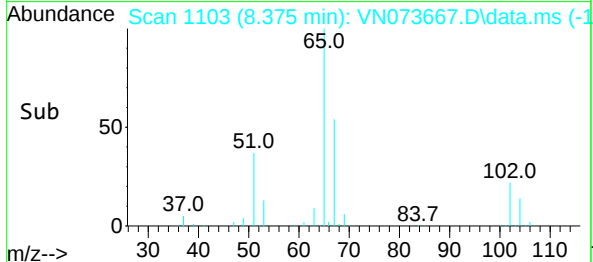
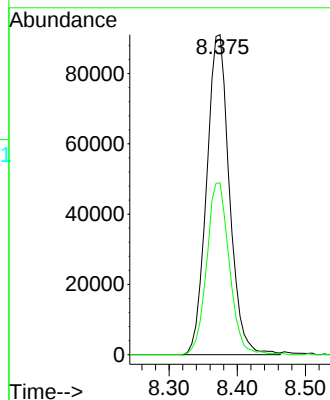
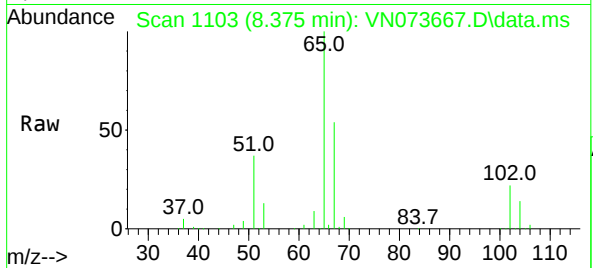
TB-072222

Tgt Ion: 65 Resp: 211766

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

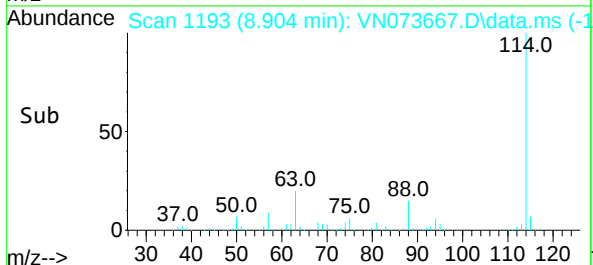
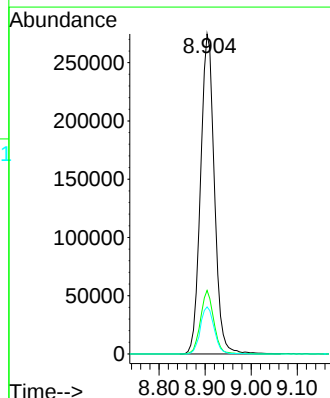
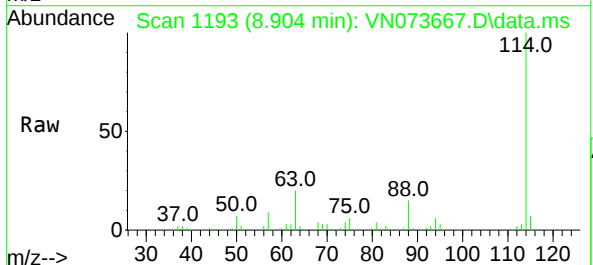
Tgt Ion: 114 Resp: 575916

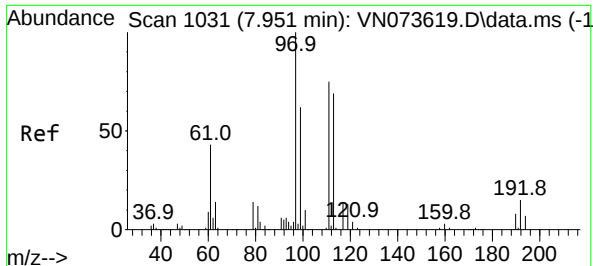
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 14.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.140 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

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MSVOA_N

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TB-072222

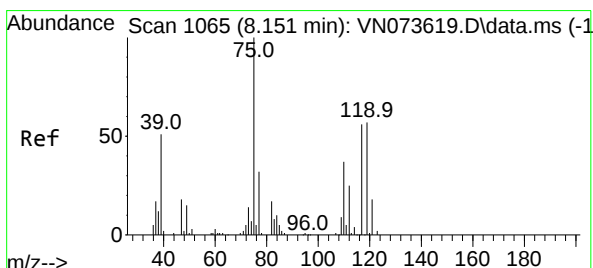
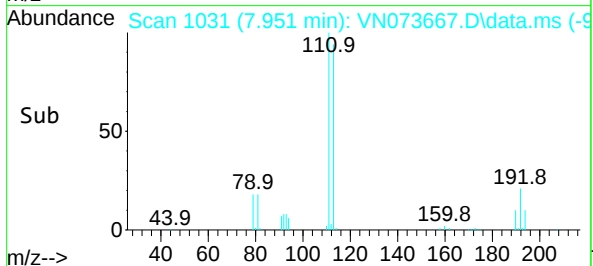
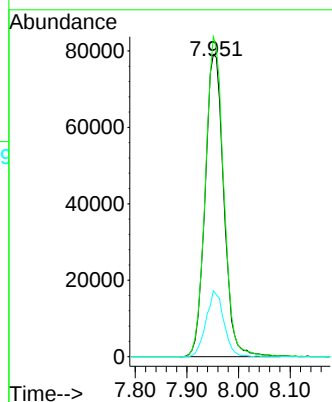
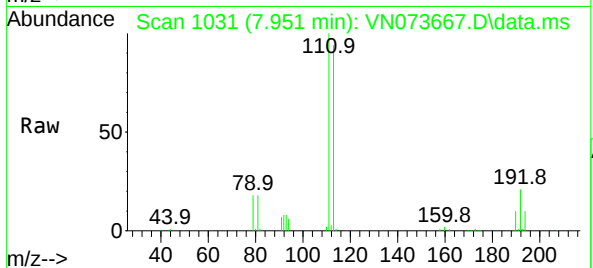
Tgt Ion:113 Resp: 199407

Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 20.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

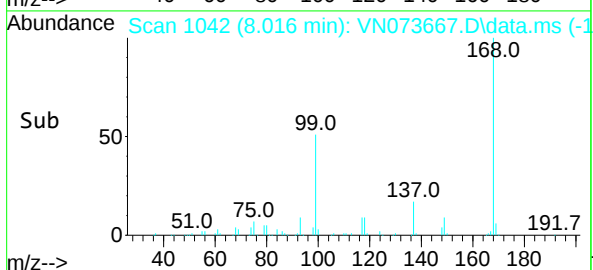
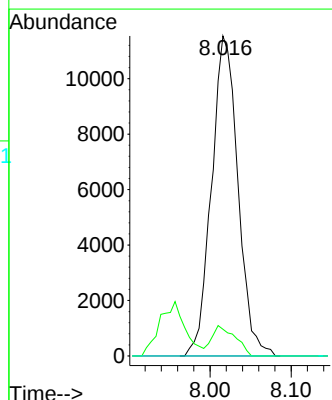
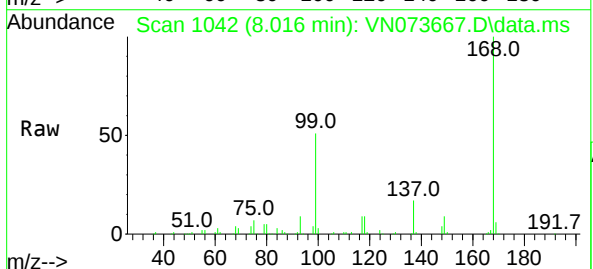
Tgt Ion: 75 Resp: 26103

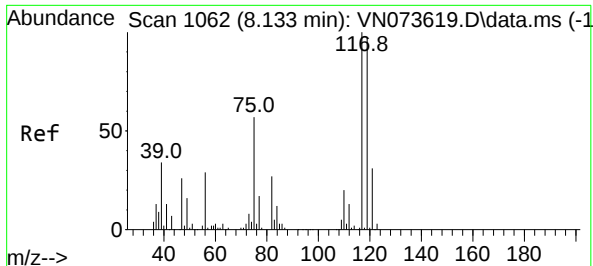
Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

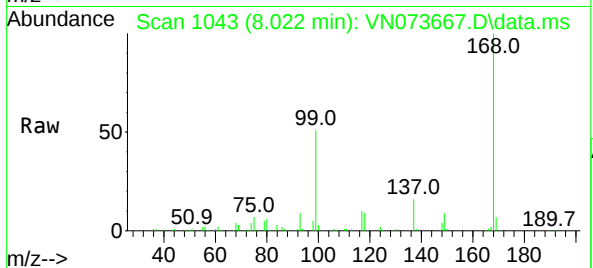
77 0.0 25.1 37.7#



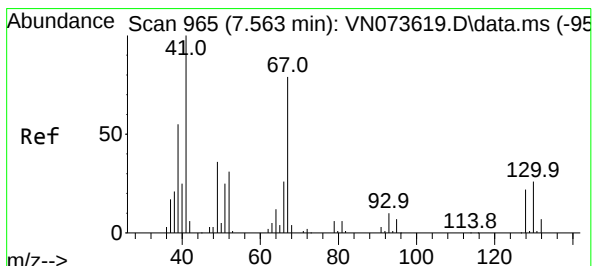
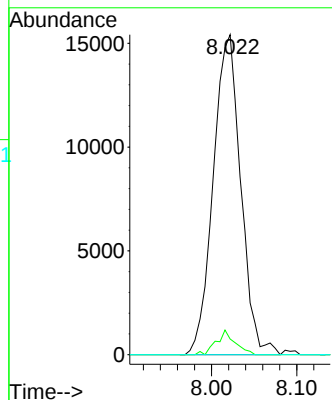
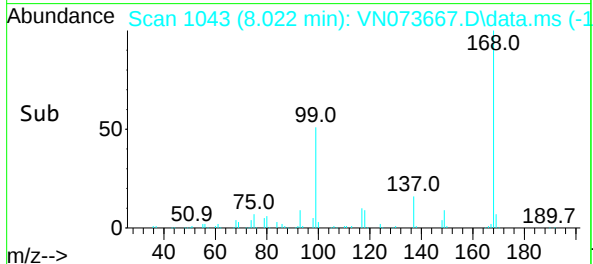


#38
Carbon Tetrachloride
Concen: 6.605 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

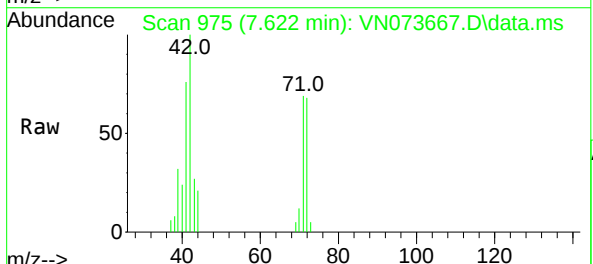
Instrument :
MSVOA_N
ClientSampleId :
TB-072222



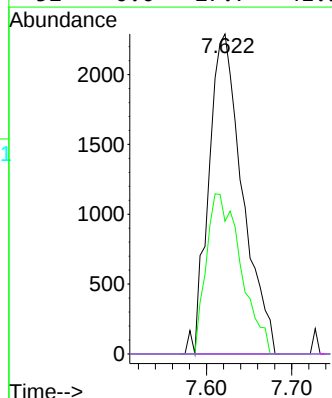
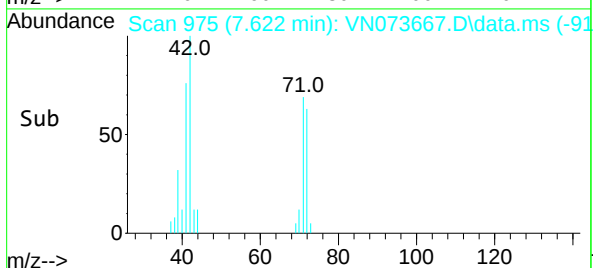
Tgt Ion:117 Resp: 34575
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#

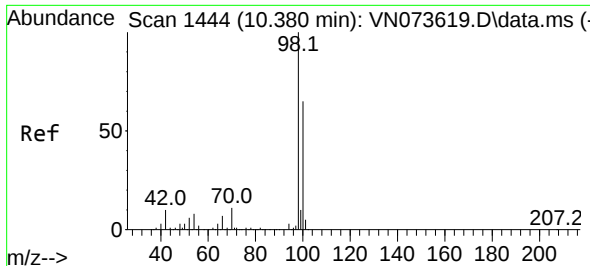


#41
Methacrylonitrile
Concen: 2.048 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.059 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11



Tgt Ion: 41 Resp: 6292
Ion Ratio Lower Upper
41 100
39 51.3 48.6 73.0
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

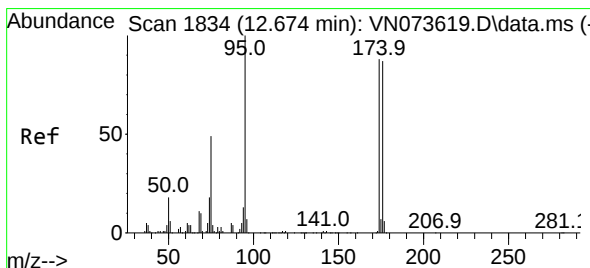
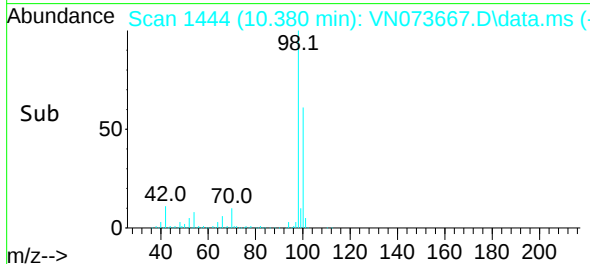
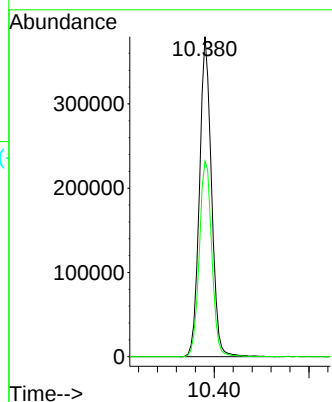
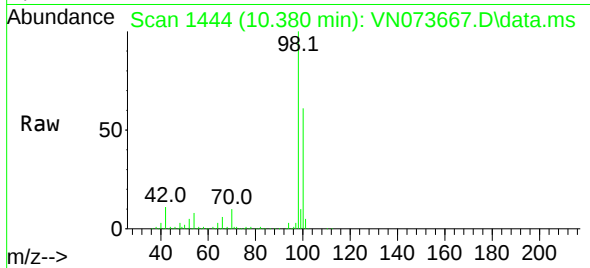




#50
Toluene-d8
Concen: 46.842 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

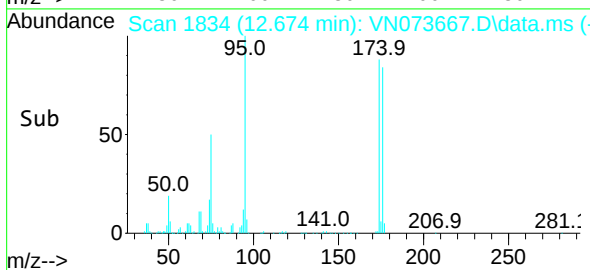
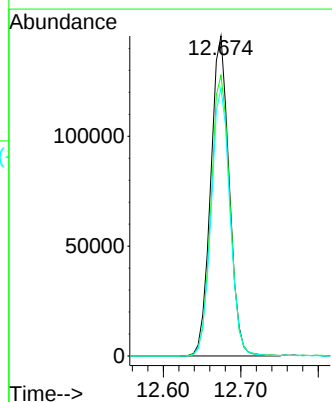
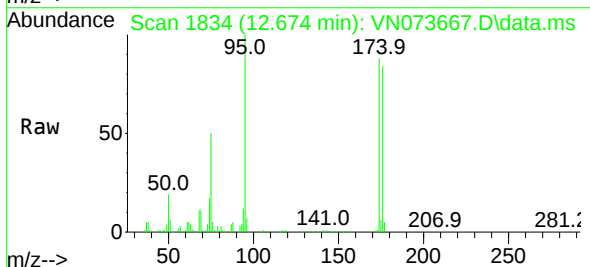
Instrument :
MSVOA_N
ClientSampleId :
TB-072222

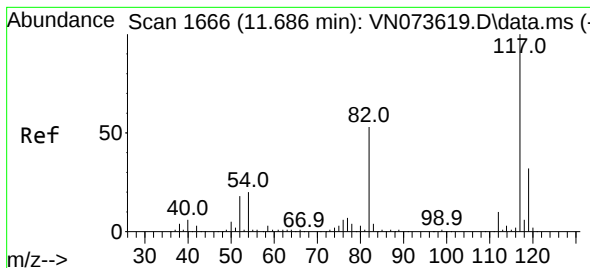
Tgt Ion: 98 Resp: 666601
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.660 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

Tgt Ion: 95 Resp: 241481
Ion Ratio Lower Upper
95 100
174 89.6 0.0 167.6
176 84.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

Instrument :

MSVOA_N

ClientSampleId :

TB-072222

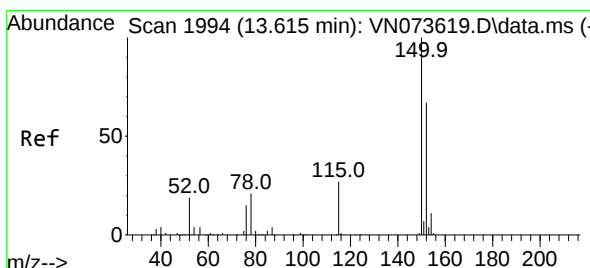
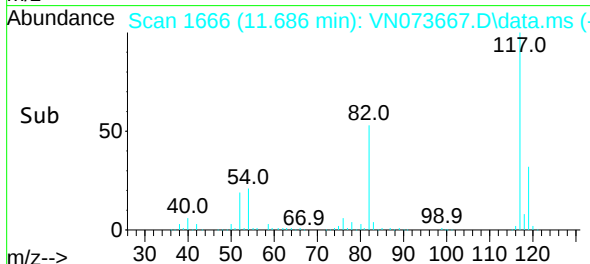
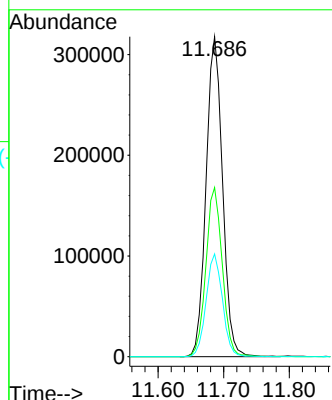
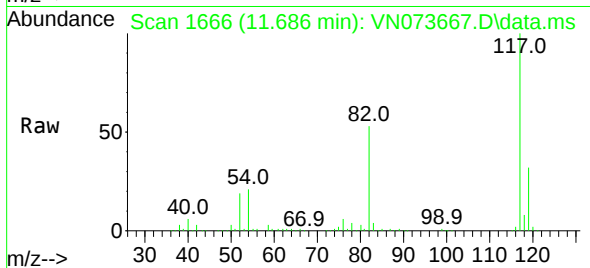
Tgt Ion:117 Resp: 555231

Ion Ratio Lower Upper

117 100

82 52.8 44.2 66.2

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VN073667.D

Acq: 01 Aug 2022 18:11

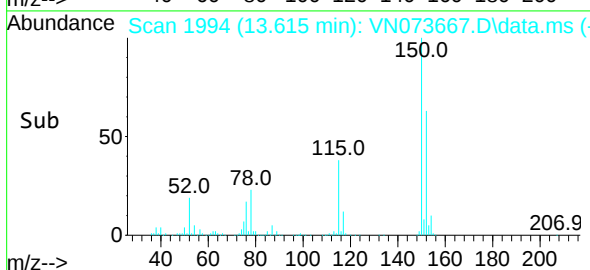
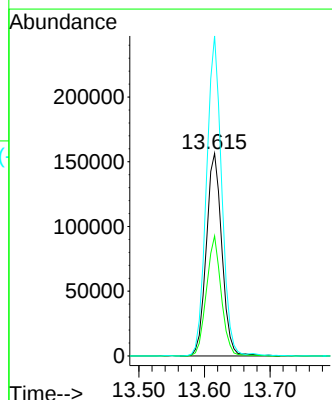
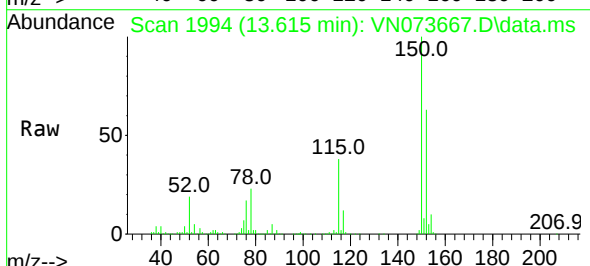
Tgt Ion:152 Resp: 258515

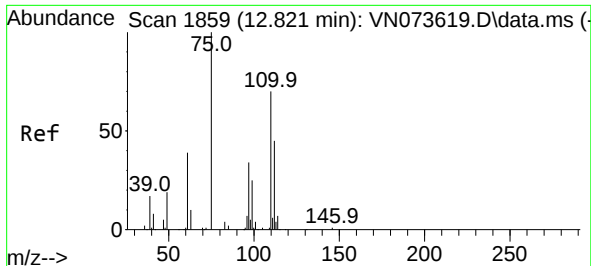
Ion Ratio Lower Upper

152 100

115 56.4 28.9 86.7

150 153.8 0.0 356.2

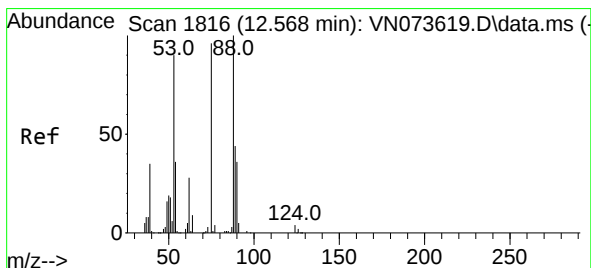
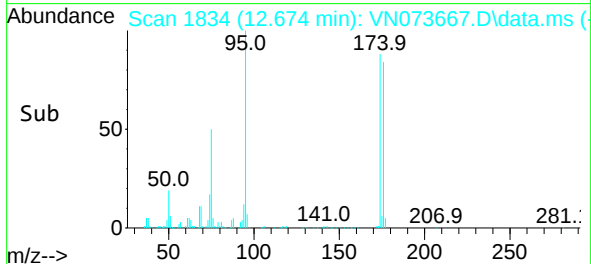
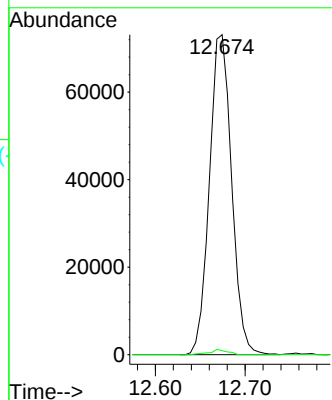
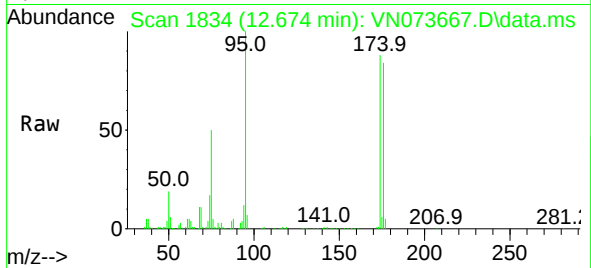




#76
1,2,3-Trichloropropane
Concen: 24.935 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

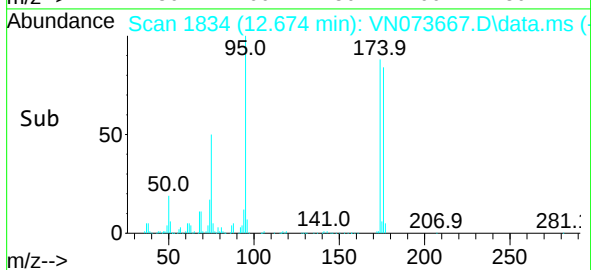
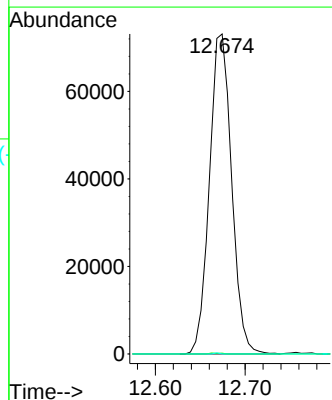
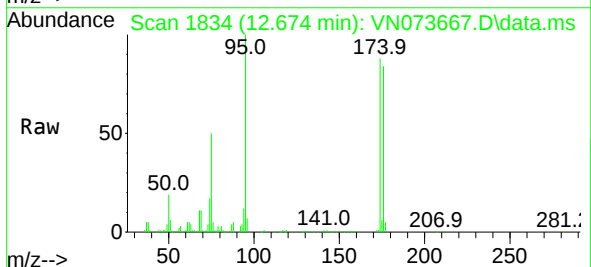
Instrument :
MSVOA_N
ClientSampleId :
TB-072222

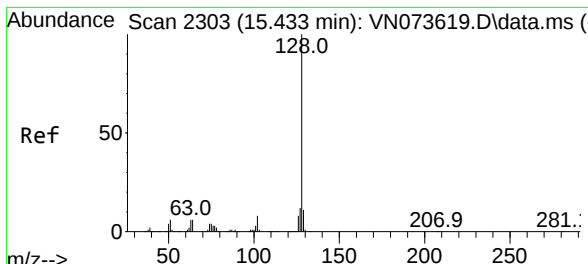
Tgt Ion: 75 Resp: 125742
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.034 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073667.D
Acq: 01 Aug 2022 18:11

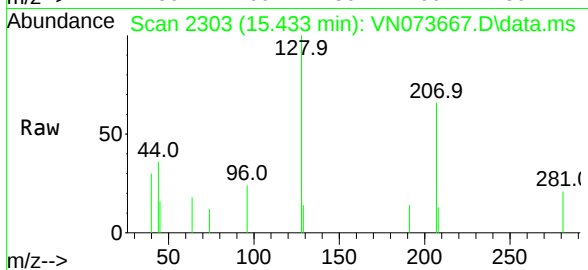
Tgt Ion: 75 Resp: 125742
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.1 37.2 55.8#





#95
 Naphthalene
 Concen: 0.202 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN073667.D
 Acq: 01 Aug 2022 18:11

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-072222



Tgt Ion:	128	Resp:	2970
Ion	Ratio	Lower	Upper
128	100		
127	1.8	10.3	15.5#
129	9.8	8.6	13.0

