

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073657.D
 Acq On : 01 Aug 2022 14:05
 Operator : JC\MD
 Sample : N3974-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 05:00:54 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)

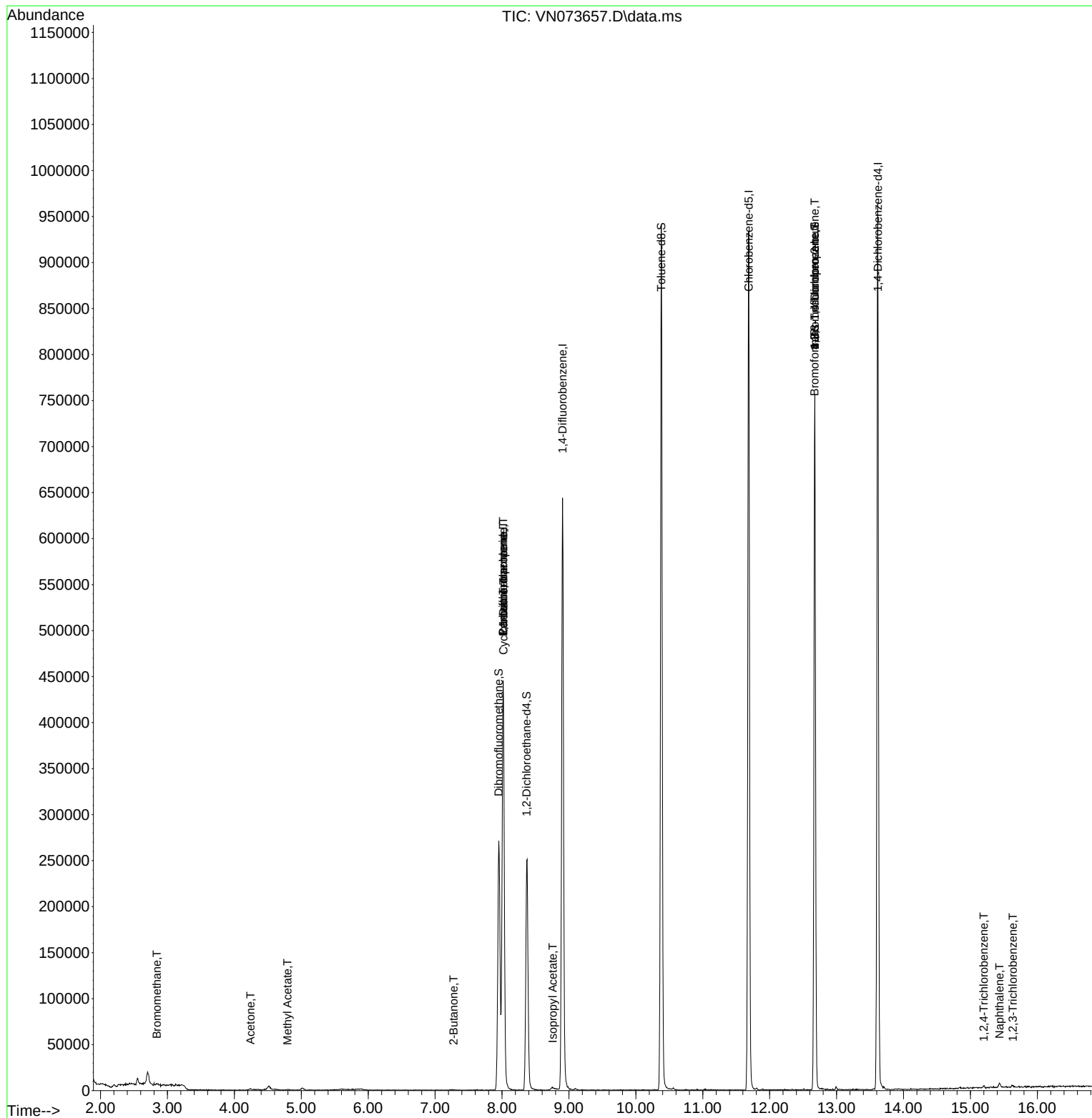
Internal Standards						
1) Pentafluorobenzene	8.016	168	366130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	581435	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	554481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	267779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	207736	46.558	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.120%		
35) Dibromofluoromethane	7.951	113	196436	53.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.600%		
50) Toluene-d8	10.381	98	649648	45.217	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.440%		
62) 4-Bromofluorobenzene	12.674	95	243355	50.584	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.160%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	976	Below Cal	#	84
5) Bromomethane	2.840	94	1499	0.416	ug/l	97
6) Chloroethane	2.952	64	57	Below Cal	#	42
16) Acetone	4.240	43	1899	0.792	ug/l	# 71
18) Methyl Acetate	4.793	43	1447	0.243	ug/l	# 67
20) Methylene Chloride	5.010	84	1920	Below Cal	#	79
25) 2-Butanone	7.275	43	847	0.228	ug/l	# 45
31) Cyclohexane	8.022	56	6933	1.044	ug/l	# 1
36) 1,1-Dichloropropene	8.016	75	25988	4.994	ug/l	# 49
38) Carbon Tetrachloride	8.016	117	34122	6.456	ug/l	# 17
43) Isopropyl Acetate	8.757	43	2010	0.217	ug/l	# 53
71) Bromoform	12.669	173	1526	0.438	ug/l	# 28
76) 1,2,3-Trichloropropane	12.674	75	127272	24.287	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.674	75	127272	61.594	ug/l	# 10
93) 1,2,4-Trichlorobenzene	15.198	180	1056	0.225	ug/l	78
95) Naphthalene	15.433	128	5364	0.353	ug/l	98
96) 1,2,3-Trichlorobenzene	15.633	180	1294	0.262	ug/l	# 71

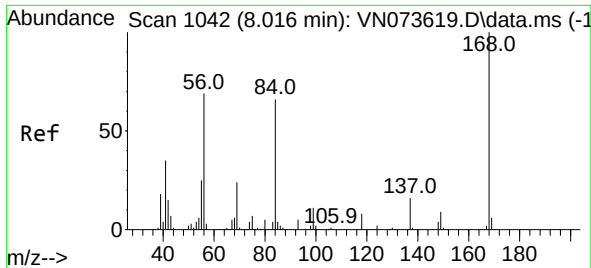
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

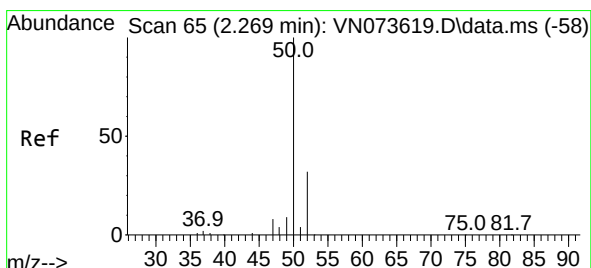
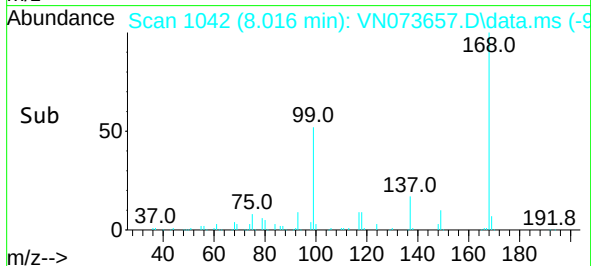
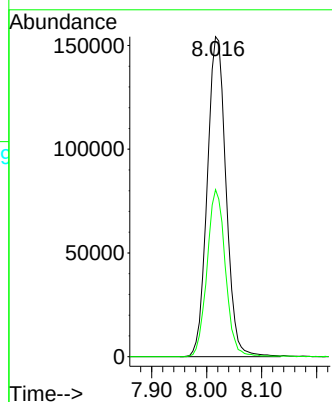
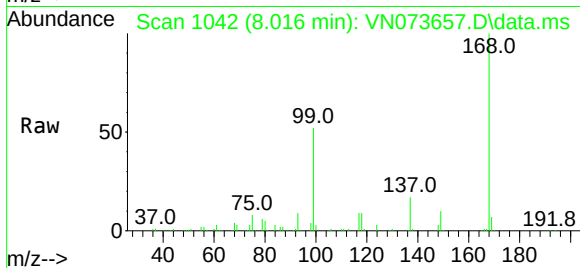




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

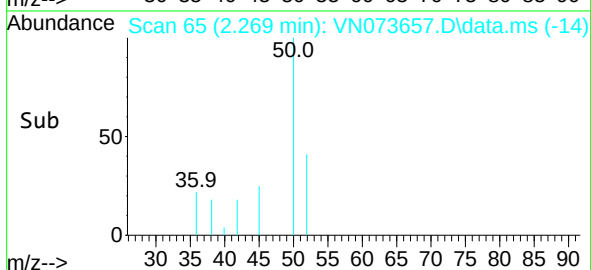
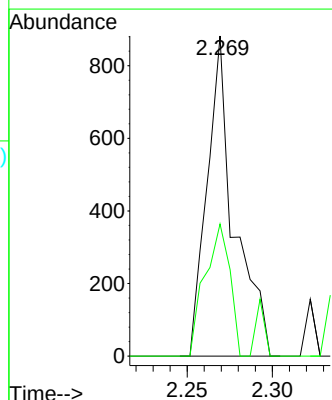
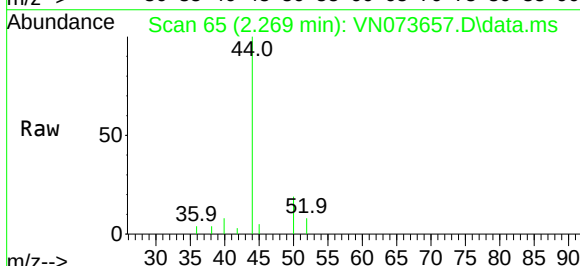
Instrument :
MSVOA_N
ClientSampleId :

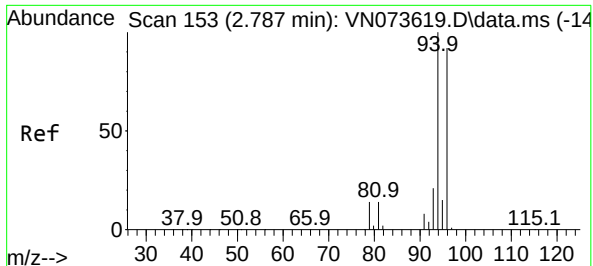
Tgt Ion:168 Resp: 366130
Ion Ratio Lower Upper
168 100
99 52.2 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

Tgt Ion: 50 Resp: 976
Ion Ratio Lower Upper
50 100
52 41.3 25.7 38.5#

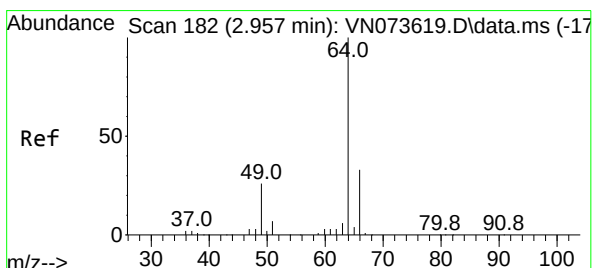
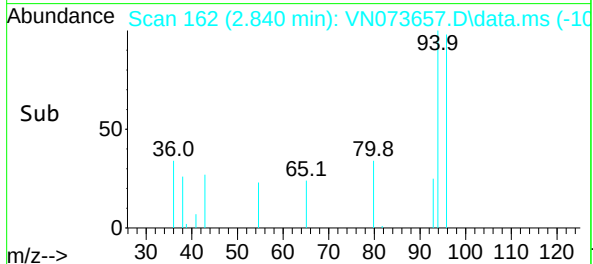
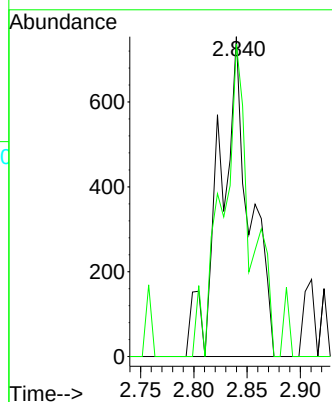
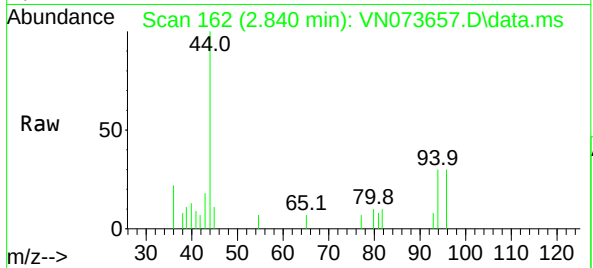




#5
Bromomethane
Concen: 0.416 ug/l
RT: 2.840 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

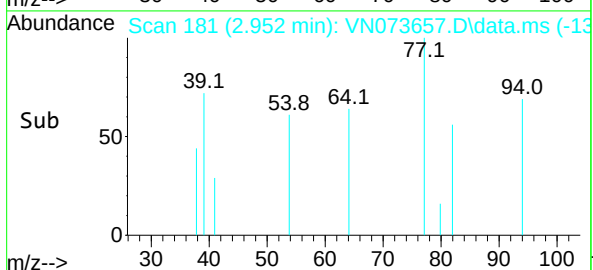
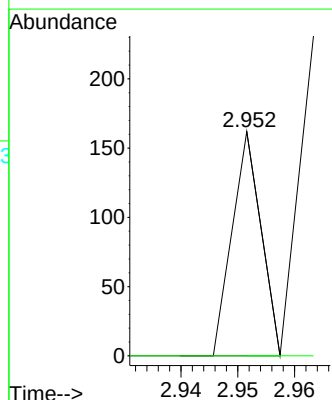
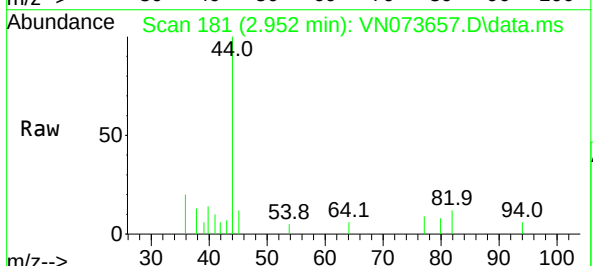
Instrument :
MSVOA_N
ClientSampleId :

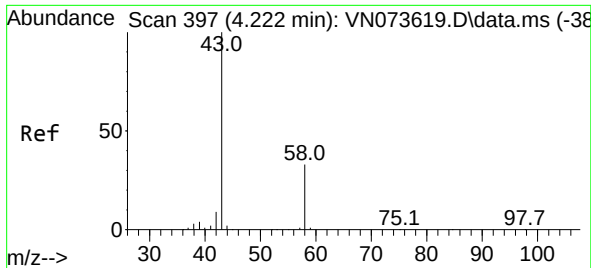
Tgt Ion: 94 Resp: 1499
Ion Ratio Lower Upper
94 100
96 97.7 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.952 min Scan# 181
Delta R.T. -0.005 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

Tgt Ion: 64 Resp: 57
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#16

Acetone

Concen: 0.792 ug/l

RT: 4.240 min Scan# 400

Delta R.T. 0.018 min

Lab File: VN073657.D

Acq: 01 Aug 2022 14:05

Instrument :

MSVOA_N

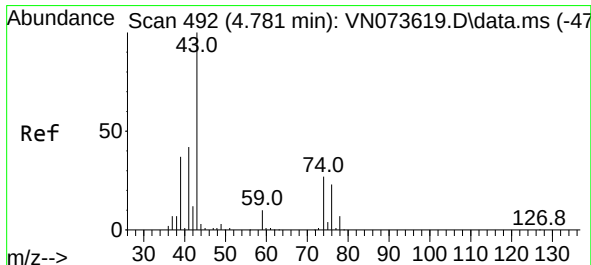
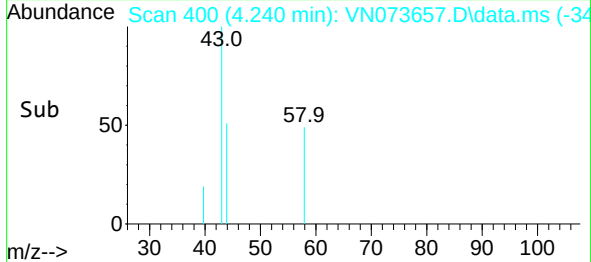
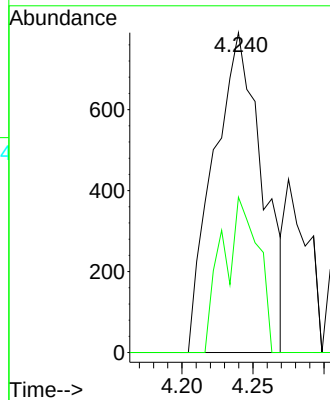
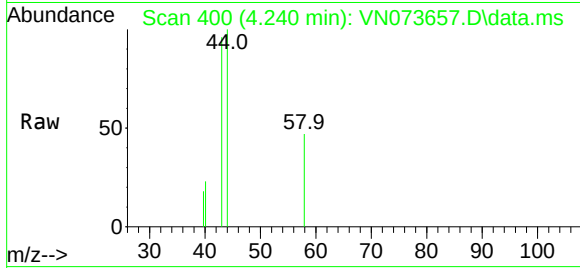
ClientSampleId :

Tgt Ion: 43 Resp: 1899

Ion Ratio Lower Upper

43 100

58 48.6 26.0 39.0#



#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 4.793 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN073657.D

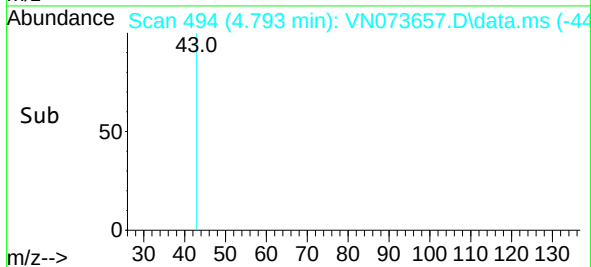
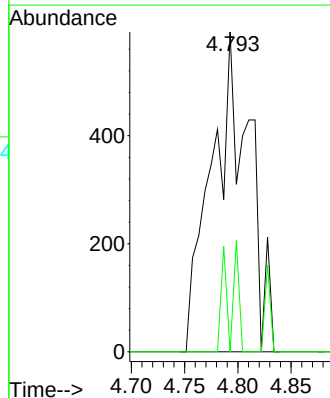
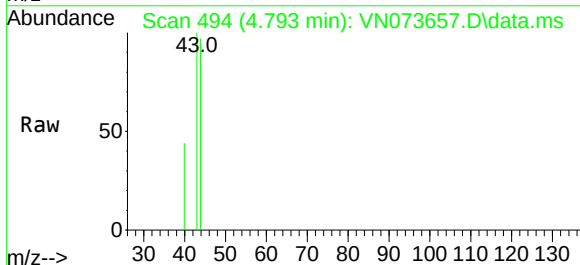
Acq: 01 Aug 2022 14:05

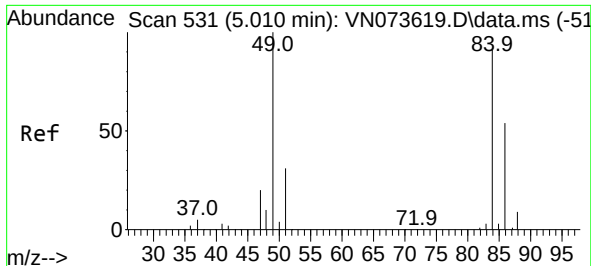
Tgt Ion: 43 Resp: 1447

Ion Ratio Lower Upper

43 100

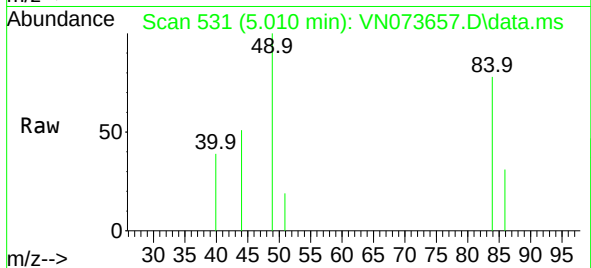
74 9.7 21.6 32.4#





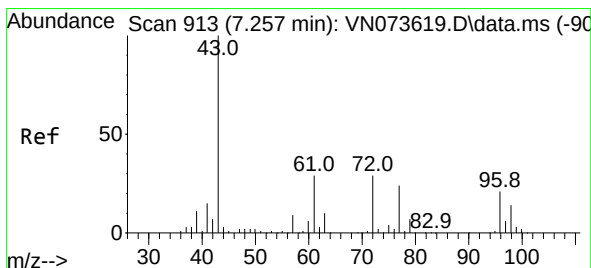
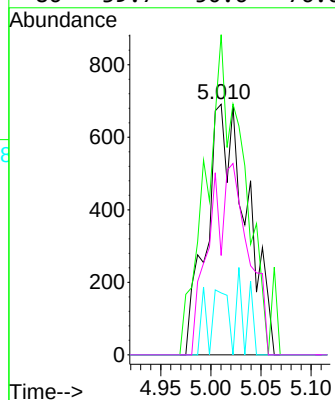
#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1920

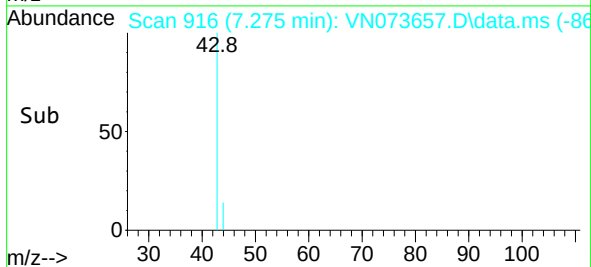
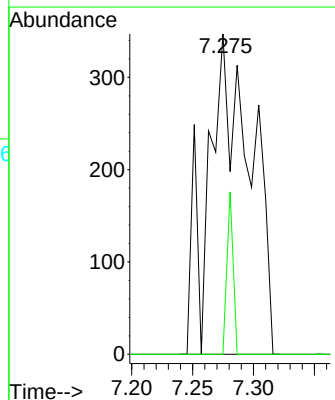
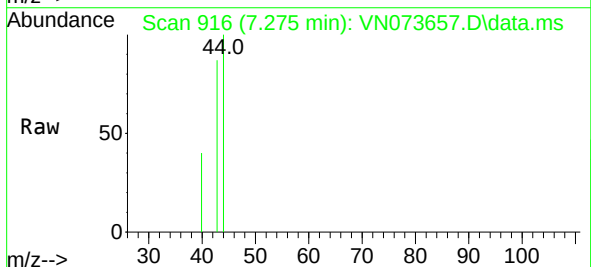
Ion	Ratio	Lower	Upper
84	100		
49	127.8	88.3	132.5
51	24.7	28.2	42.2#
86	39.7	50.6	76.0#

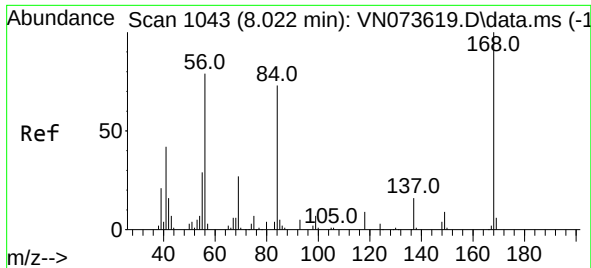


#25
2-Butanone
Concen: 0.228 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

Tgt Ion: 43 Resp: 847

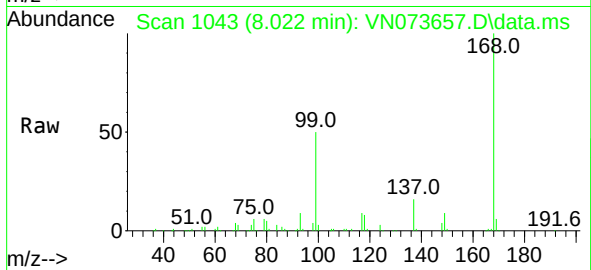
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#



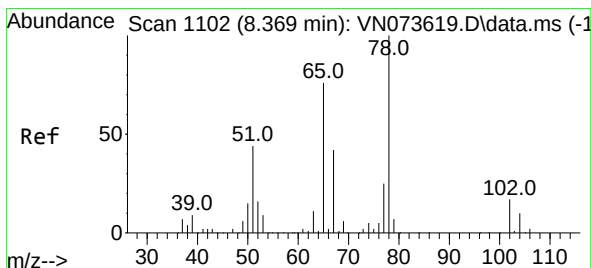
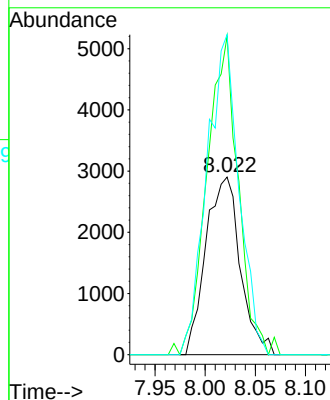
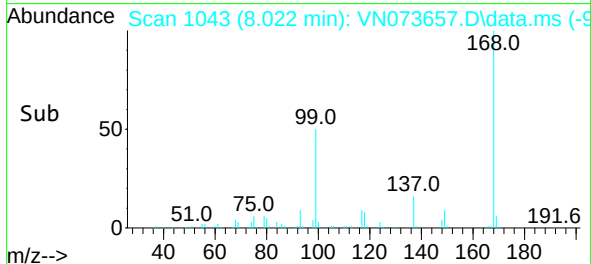


#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

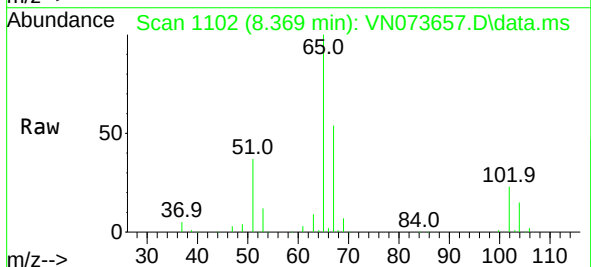
Instrument :
MSVOA_N
ClientSampleId :



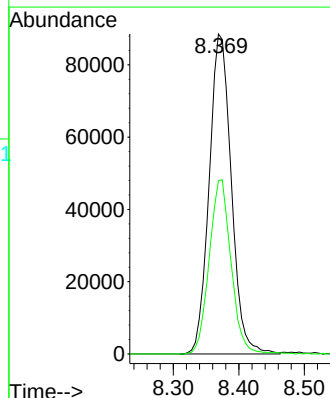
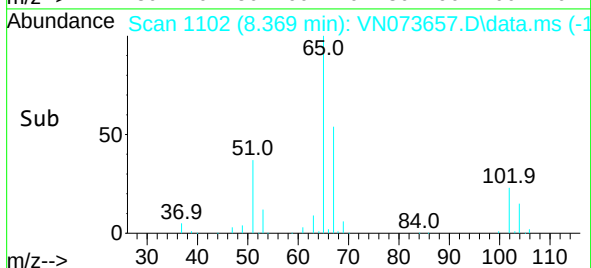
Tgt Ion: 56 Resp: 6933
Ion Ratio Lower Upper
56 100
69 179.3 27.8 41.8#
84 180.1 76.9 115.3#

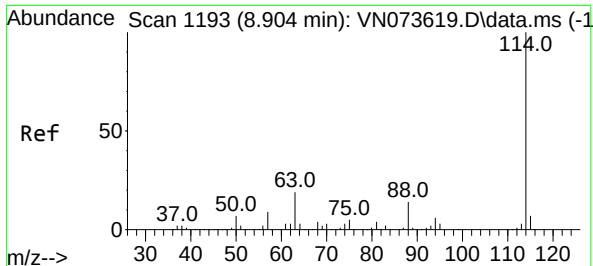


#33
1,2-Dichloroethane-d4
Concen: 46.558 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05



Tgt Ion: 65 Resp: 207736
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: VN073657.D

Acq: 01 Aug 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

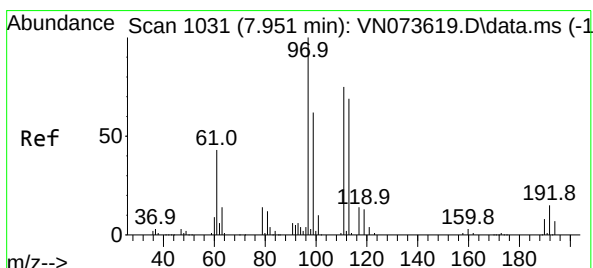
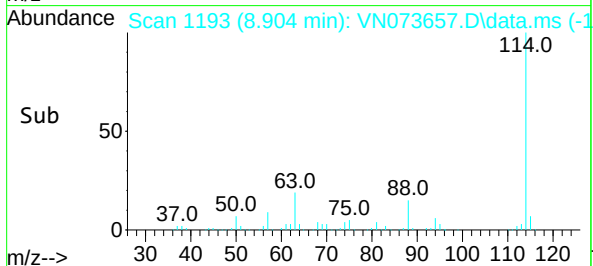
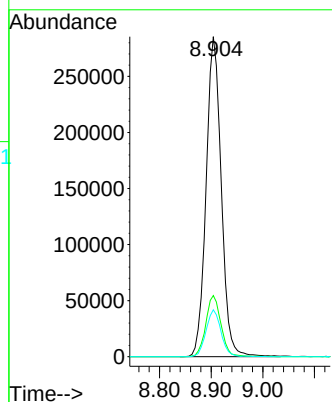
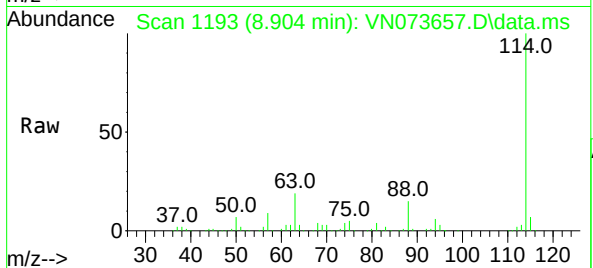
Tgt Ion:114 Resp: 581435

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.803 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073657.D

Acq: 01 Aug 2022 14:05

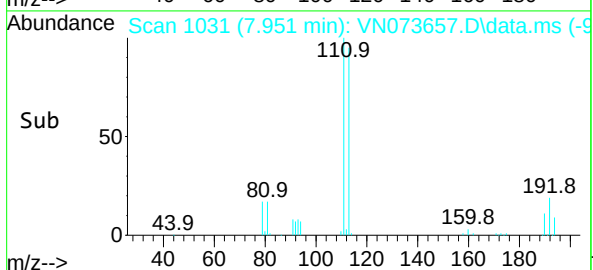
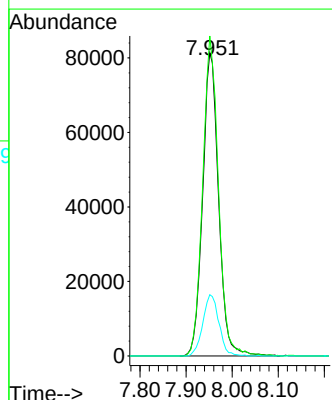
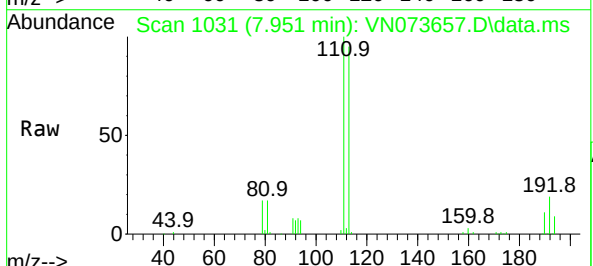
Tgt Ion:113 Resp: 196436

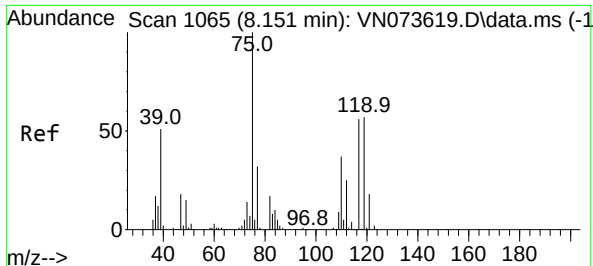
Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

192 20.4 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.994 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073657.D

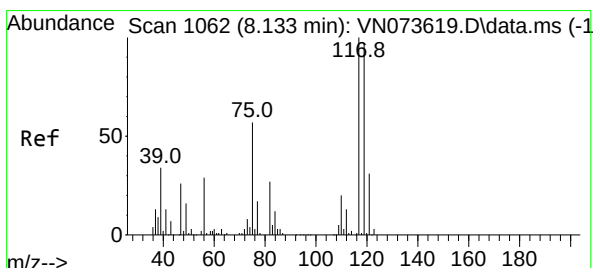
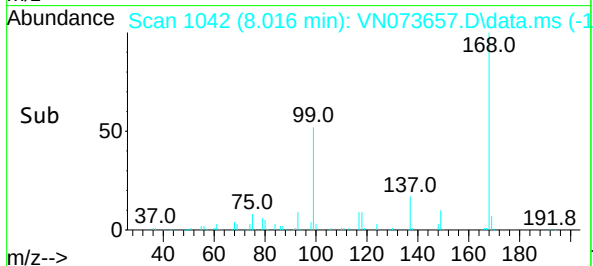
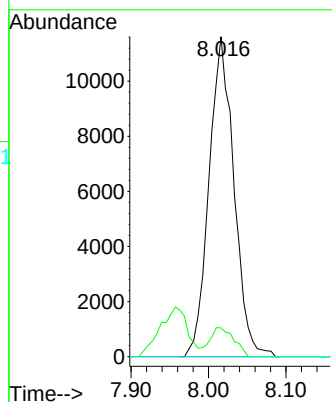
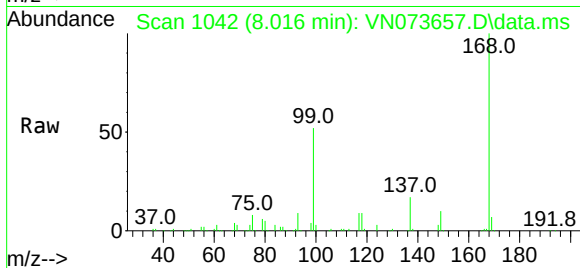
Acq: 01 Aug 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 75	Resp: 25988
Ion Ratio	Lower Upper
75 100	
110 9.0	18.3 54.8#
77 0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.456 ug/l

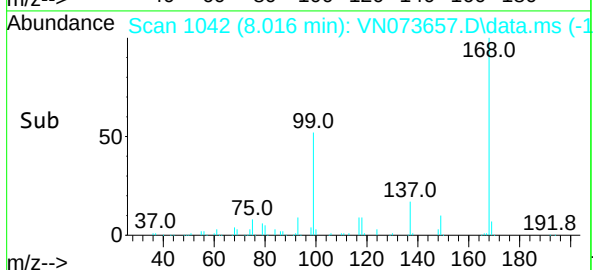
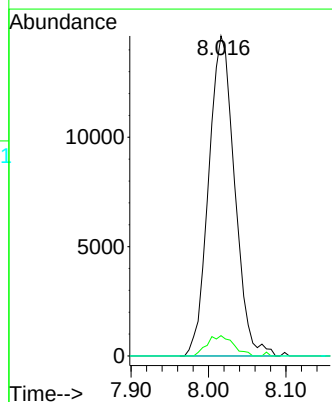
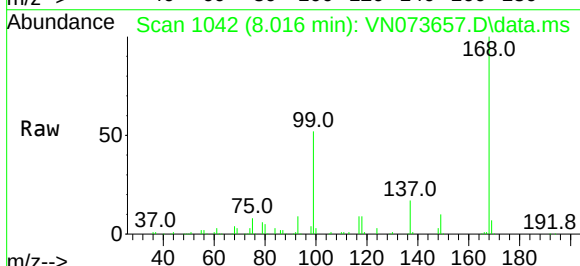
RT: 8.016 min Scan# 1042

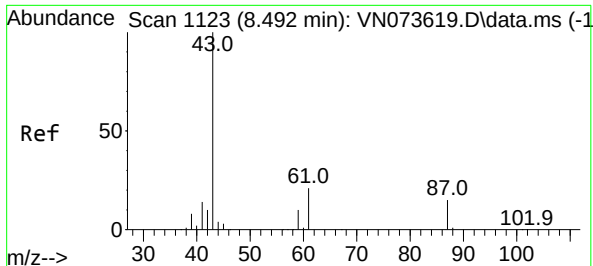
Delta R.T. -0.118 min

Lab File: VN073657.D

Acq: 01 Aug 2022 14:05

Tgt Ion: 117	Resp: 34122
Ion Ratio	Lower Upper
117 100	
119 6.4	75.8 113.8#
121 0.0	24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.217 ug/l

RT: 8.757 min Scan# 1168

Delta R.T. 0.265 min

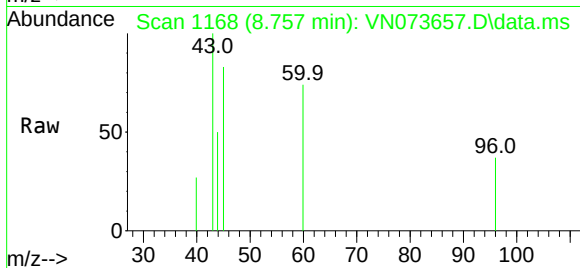
Lab File: VN073657.D

Acq: 01 Aug 2022 14:05

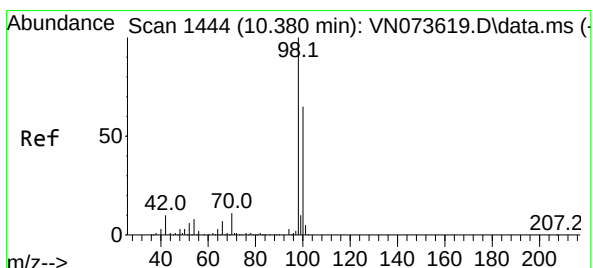
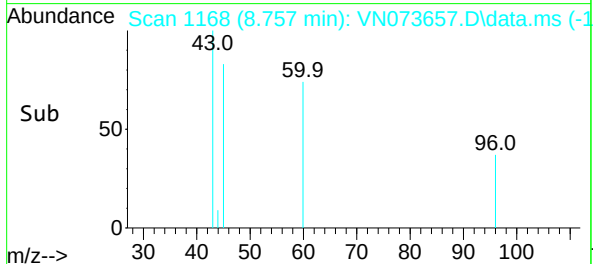
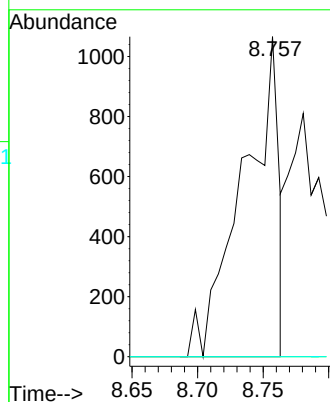
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 2010
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 45.217 ug/l

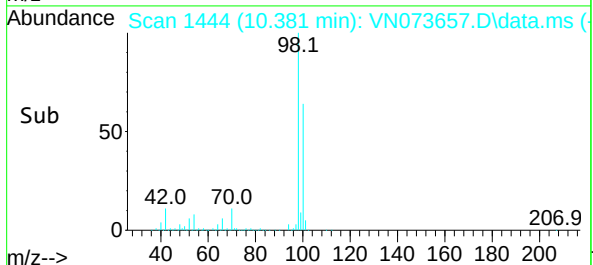
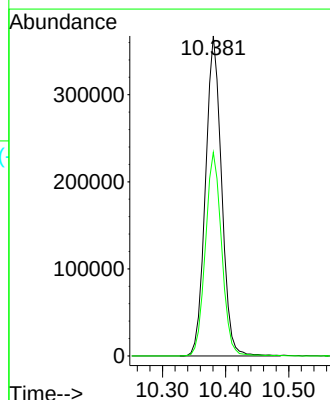
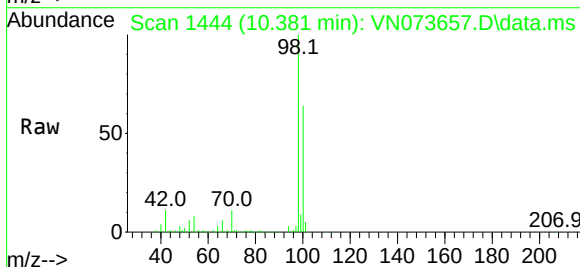
RT: 10.381 min Scan# 1444

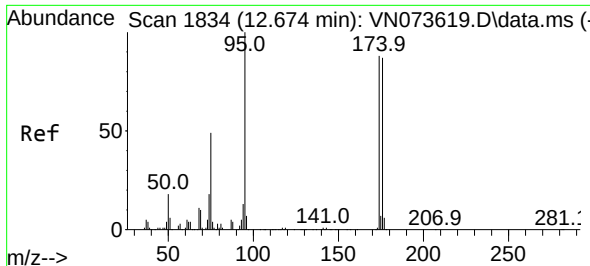
Delta R.T. 0.000 min

Lab File: VN073657.D

Acq: 01 Aug 2022 14:05

Tgt Ion: 98	Resp: 649648
Ion Ratio	Lower Upper
98	100
100	64.2 52.6 78.8

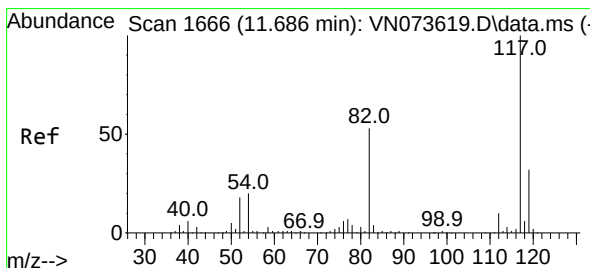
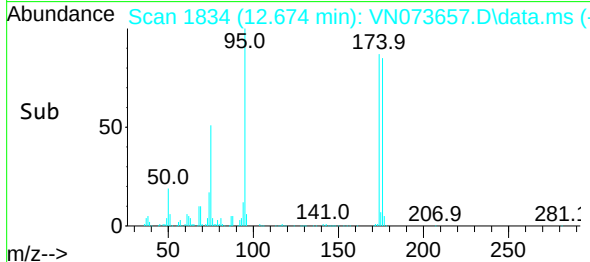
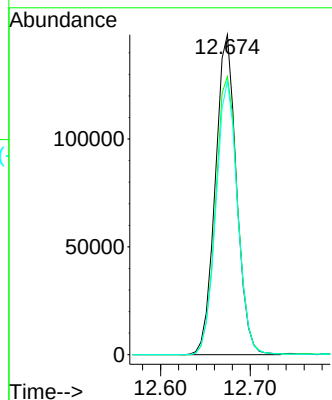
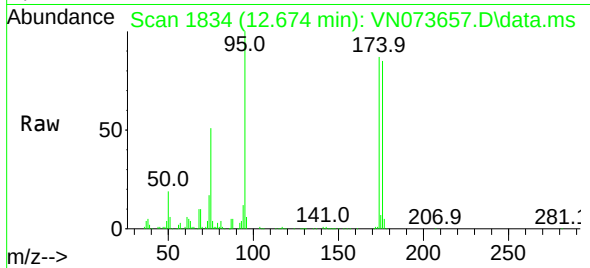




#62
4-Bromofluorobenzene
Concen: 50.584 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

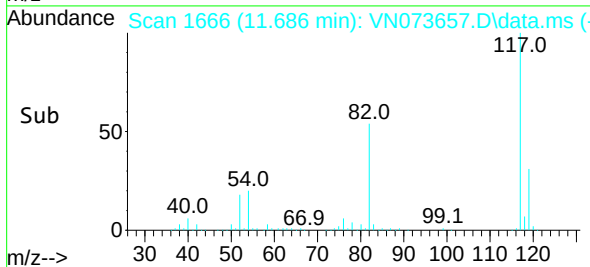
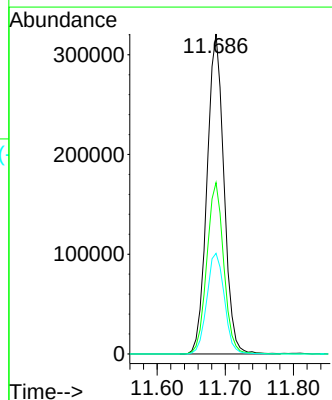
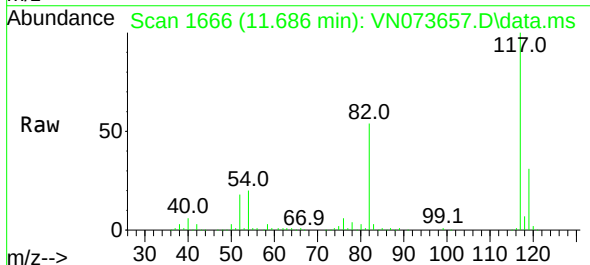
Instrument :
MSVOA_N
ClientSampleId :

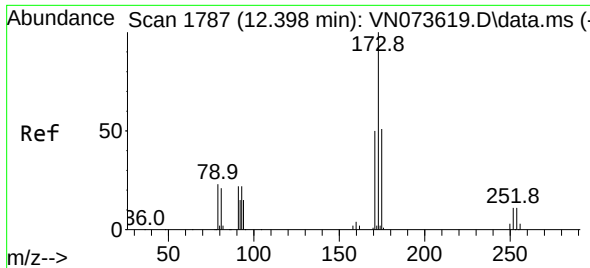
Tgt Ion: 95 Resp: 243355
Ion Ratio Lower Upper
95 100
174 90.5 0.0 167.6
176 87.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

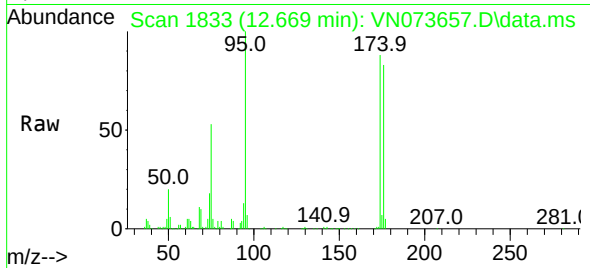
Tgt Ion: 117 Resp: 554481
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 31.5 25.4 38.0



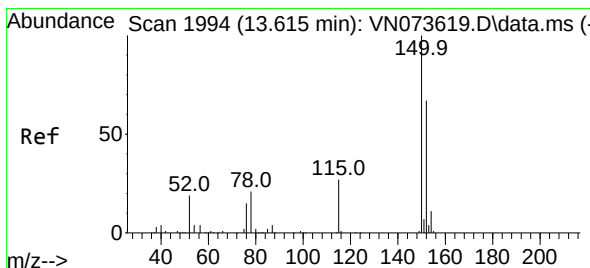
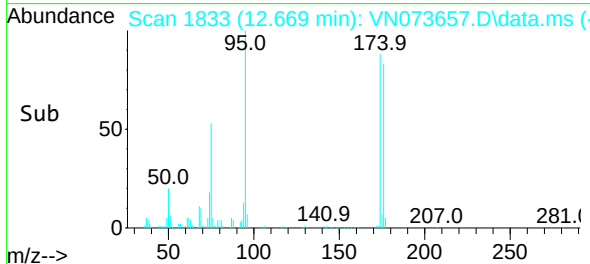
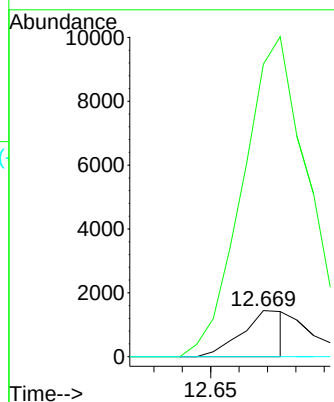


#71
Bromoform
Concen: 0.438 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

Instrument :
MSVOA_N
ClientSampleId :

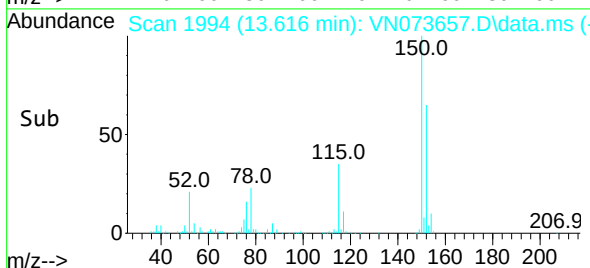
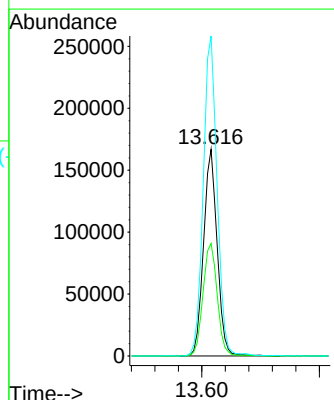
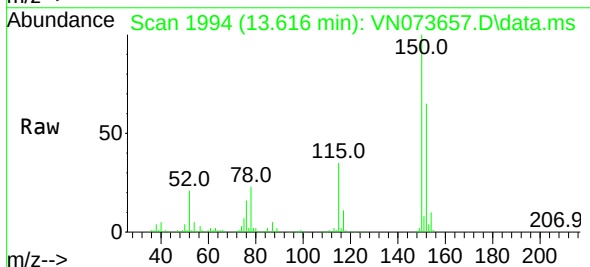


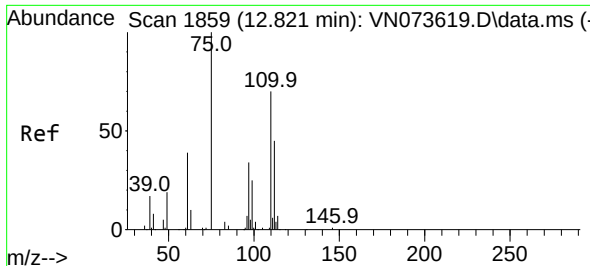
Tgt Ion:173 Resp: 1526
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

Tgt Ion:152 Resp: 267779
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 157.2 0.0 356.2

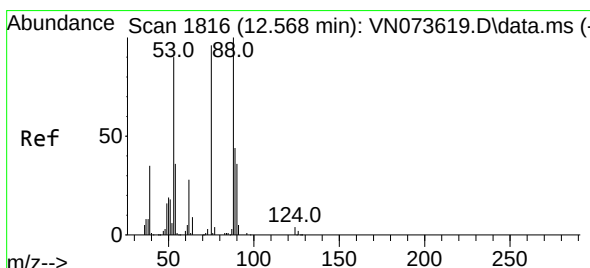
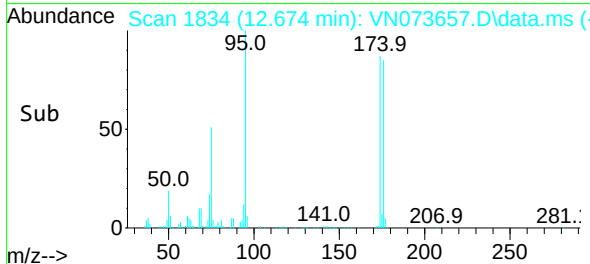
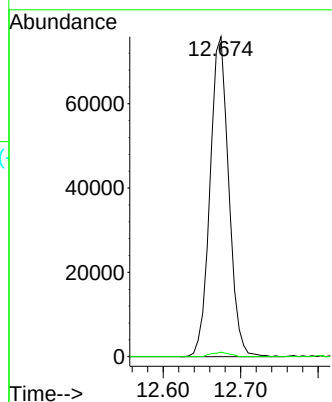
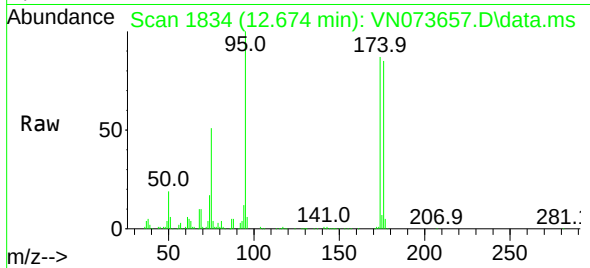




#76
1,2,3-Trichloropropane
Concen: 24.287 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

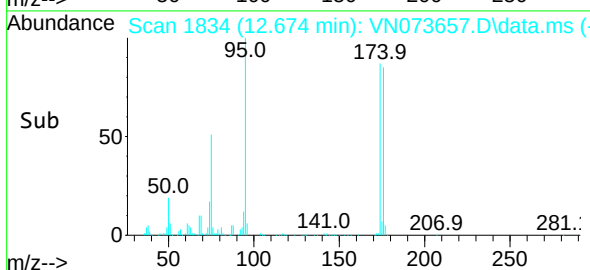
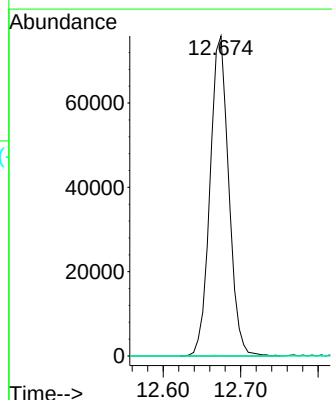
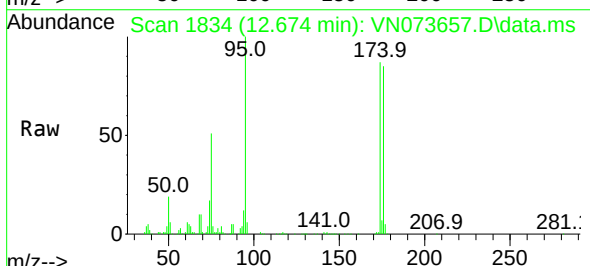
Instrument :
MSVOA_N
ClientSampleId :

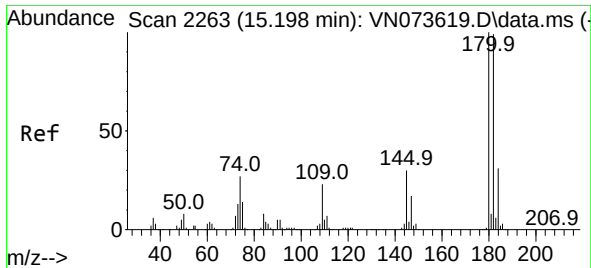
Tgt Ion: 75 Resp: 127272
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.594 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

Tgt Ion: 75 Resp: 127272
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

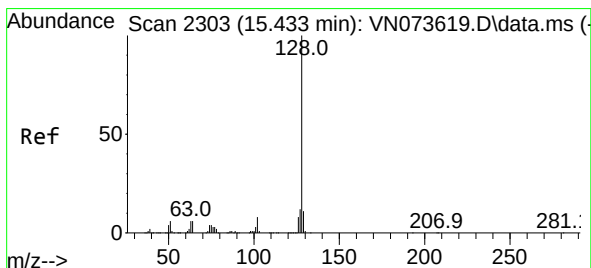
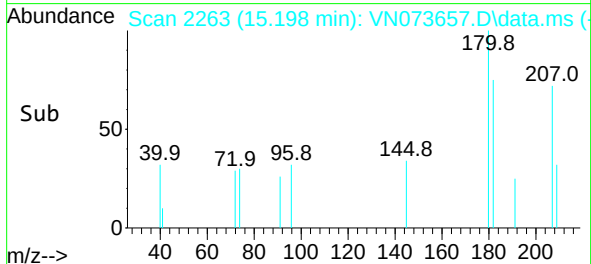
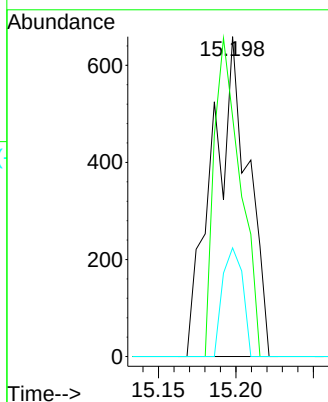
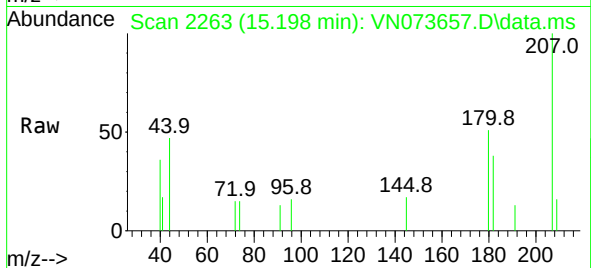




#93
1,2,4-Trichlorobenzene
Concen: 0.225 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

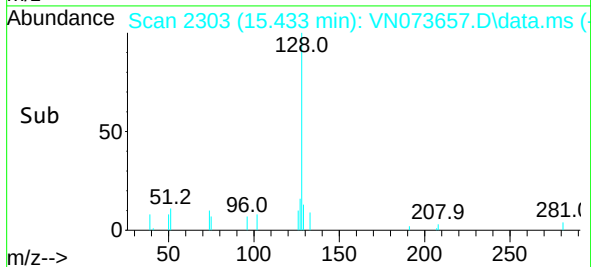
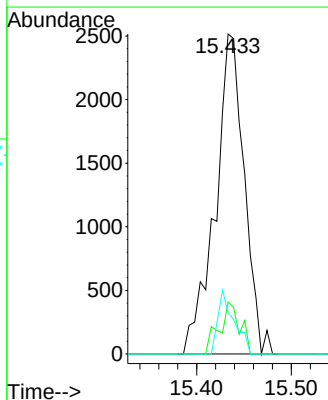
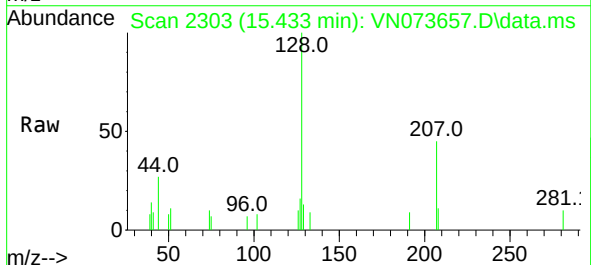
Instrument :
MSVOA_N
ClientSampleId :

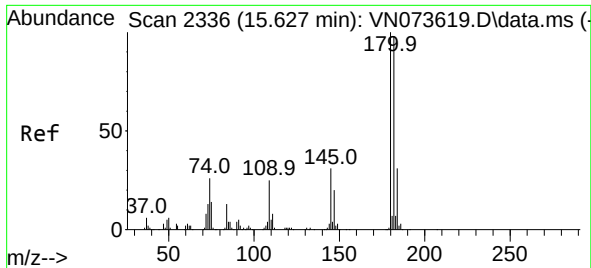
Tgt Ion:180 Resp: 1056
Ion Ratio Lower Upper
180 100
182 73.1 47.5 142.5
145 19.1 14.5 43.5



#95
Naphthalene
Concen: 0.353 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073657.D
Acq: 01 Aug 2022 14:05

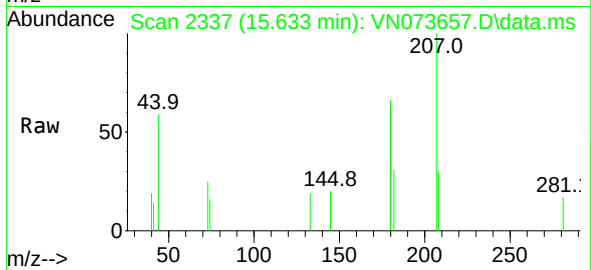
Tgt Ion:128 Resp: 5364
Ion Ratio Lower Upper
128 100
127 11.6 10.3 15.5
129 11.1 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.262 ug/l
 RT: 15.633 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073657.D
 Acq: 01 Aug 2022 14:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1294
Ion	Ratio	Lower	Upper
180	100		
182	72.9	47.8	143.3
145	6.3	15.5	46.5#

