

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074249.D
 Acq On : 01 Sep 2022 17:57
 Operator : JC\MD
 Sample : N4329-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 02 05:40:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

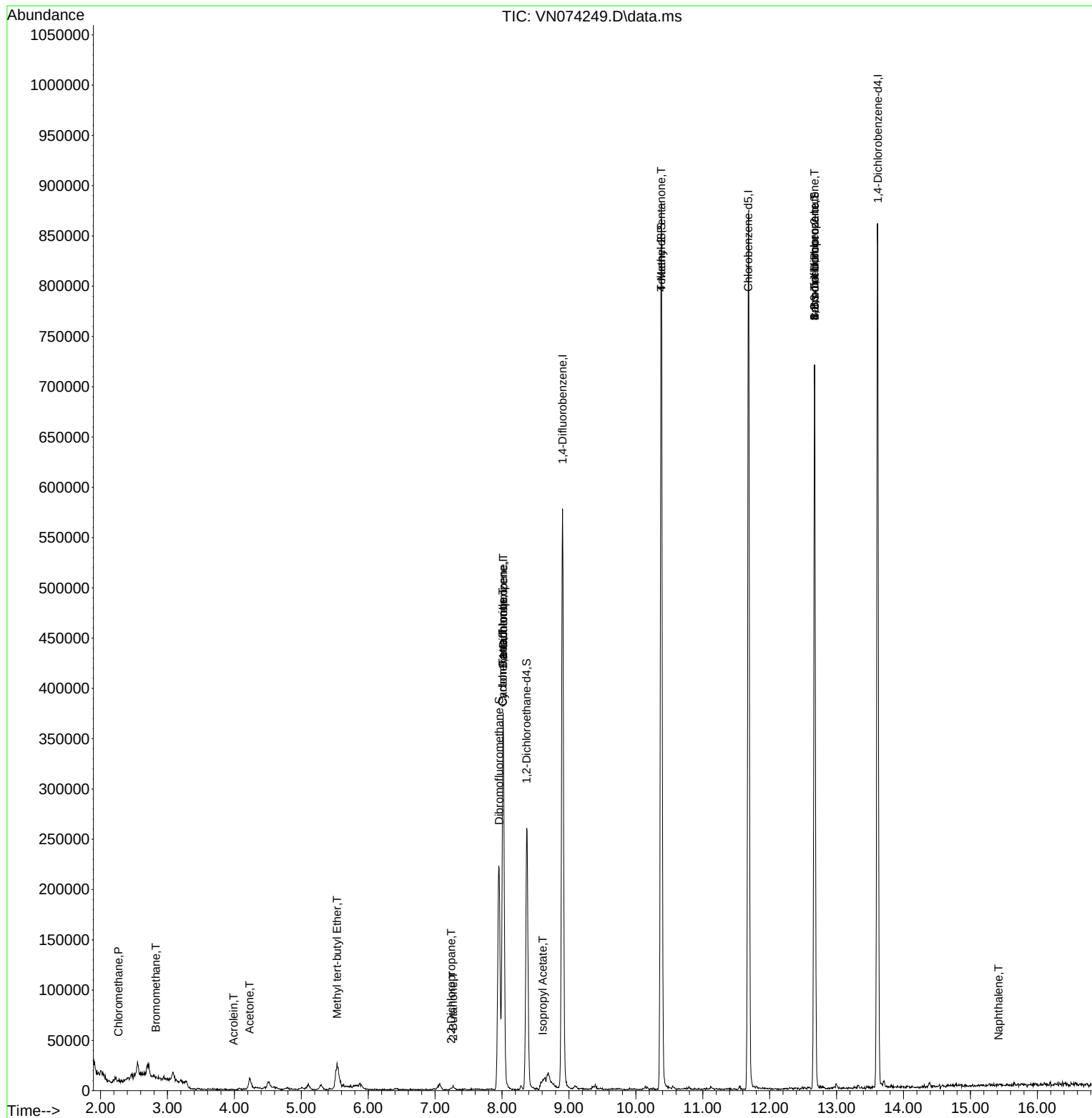
Internal Standards						
1) Pentafluorobenzene	8.016	168	257120	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	474406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.681	117	465770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	213231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	204008	51.148	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.300%	
35) Dibromofluoromethane	7.957	113	163998	53.124	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.240%	
50) Toluene-d8	10.381	98	578714	47.602	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.200%	
62) 4-Bromofluorobenzene	12.669	95	228543	61.817	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 123.640%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1211	0.323	ug/l	90
5) Bromomethane	2.828	94	487	0.239	ug/l	89
6) Chloroethane	2.946	64	2777	Below Cal	#	42
11) Tert butyl alcohol	5.281	59	3733	Below Cal	#	73
13) Acrolein	3.987	56	185	0.210	ug/l	# 1
16) Acetone	4.228	43	19515	7.322	ug/l	90
18) Methyl Acetate	4.769	43	1663	Below Cal	#	60
19) Methyl tert-butyl Ether	5.534	73	33157	2.973	ug/l	# 65
20) Methylene Chloride	5.005	84	197	Below Cal	#	32
25) 2-Butanone	7.269	43	4976	1.167	ug/l	99
26) 2,2-Dichloropropane	7.240	77	83	0.287	ug/l	# 53
31) Cyclohexane	8.010	56	10735	1.629	ug/l	# 49
36) 1,1-Dichloropropene	8.016	75	24259	4.843	ug/l	# 49
38) Carbon Tetrachloride	8.010	117	27177	5.975	ug/l	# 15
43) Isopropyl Acetate	8.610	43	9151	0.813	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.381	43	4276	0.523	ug/l	# 1
71) Bromoform	12.669	173	2483	0.787	ug/l	# 1
76) 1,2,3-Trichloropropane	12.669	75	132889	25.085	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	132889	64.688	ug/l	# 10
95) Naphthalene	15.422	128	1011	1.212	ug/l	# 77

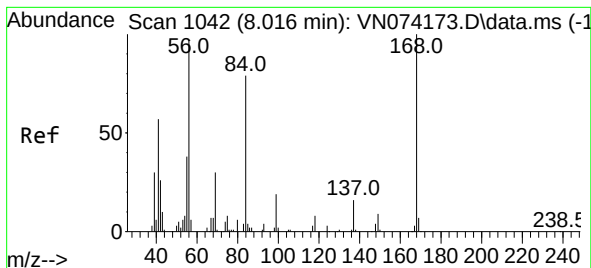
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
Response via : Initial Calibration

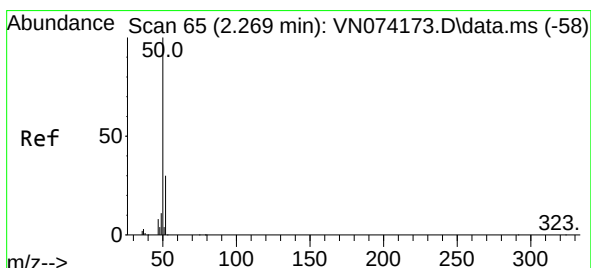
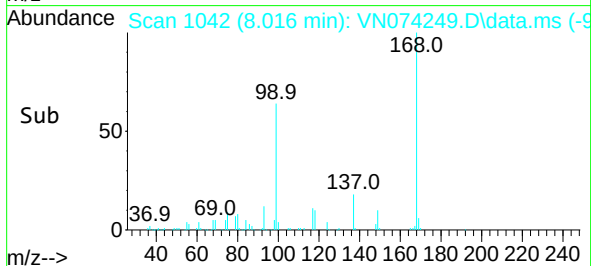
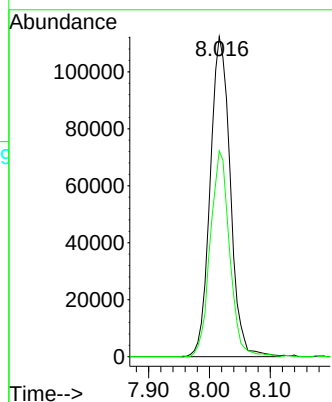
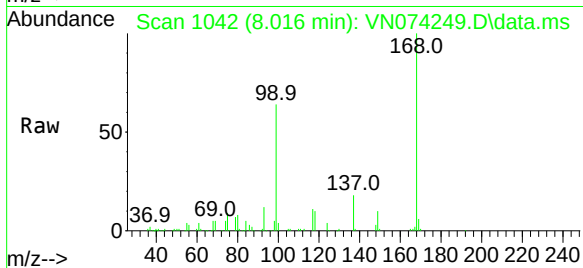




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

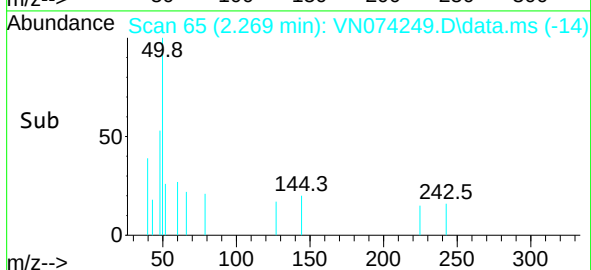
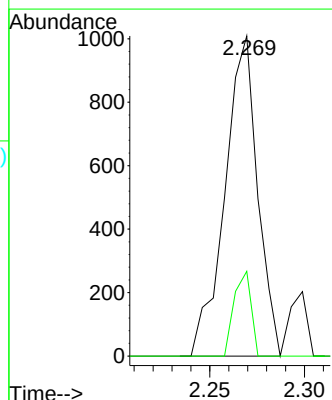
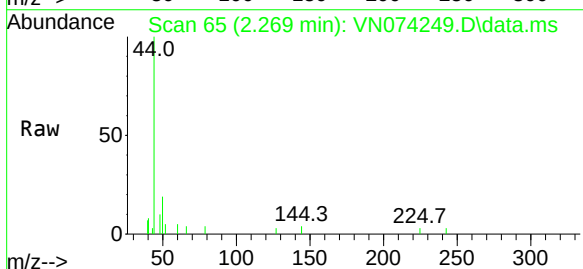
Instrument :
MSVOA_N
ClientSampleId :

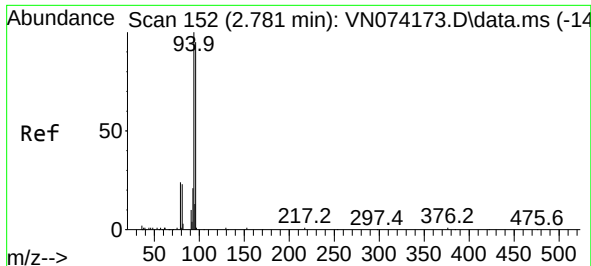
Tgt Ion:168 Resp: 257120
Ion Ratio Lower Upper
168 100
99 64.3 42.3 63.5#



#3
Chloromethane
Concen: 0.323 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Tgt Ion: 50 Resp: 1211
Ion Ratio Lower Upper
50 100
52 26.5 25.7 38.5

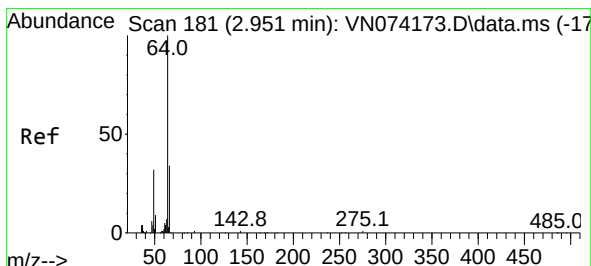
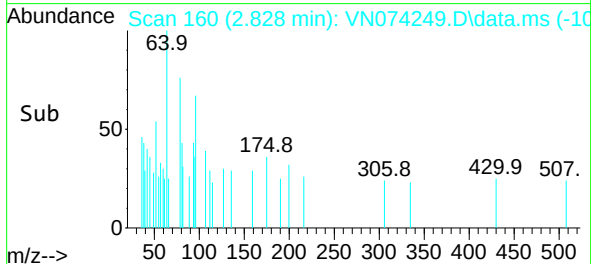
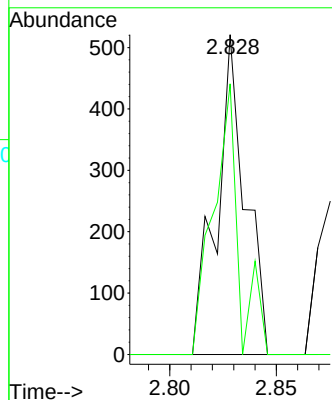
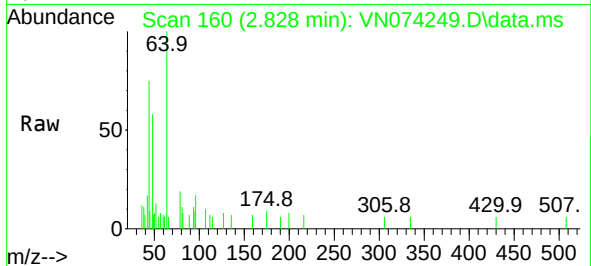




#5
Bromomethane
Concen: 0.239 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

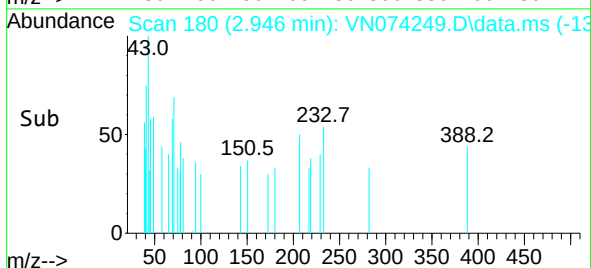
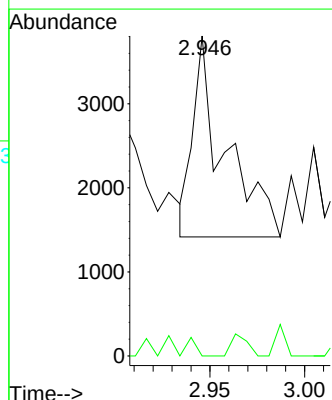
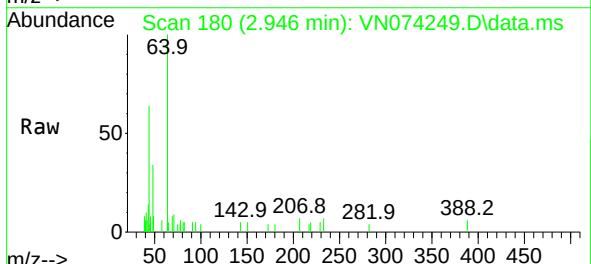
Instrument :
MSVOA_N
ClientSampleId :

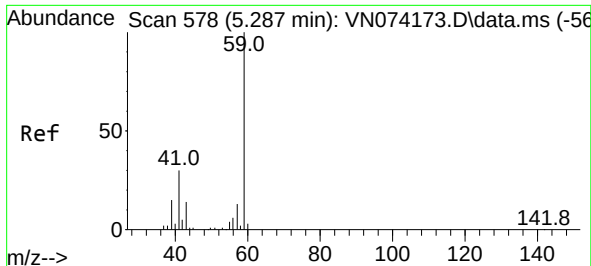
Tgt Ion: 94 Resp: 487
Ion Ratio Lower Upper
94 100
96 84.6 76.0 114.0



#6
Chloroethane
Concen: Below Cal
RT: 2.946 min Scan# 180
Delta R.T. -0.005 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Tgt Ion: 64 Resp: 2777
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.281 min Scan# 51

Delta R.T. -0.006 min

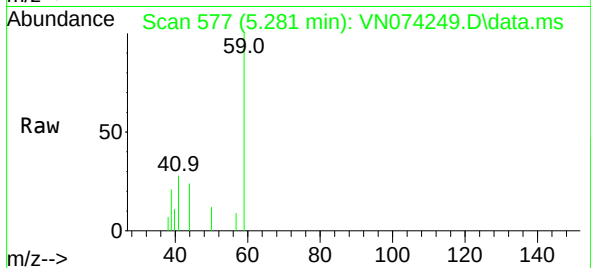
Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

Instrument :

MSVOA_N

ClientSampleId :

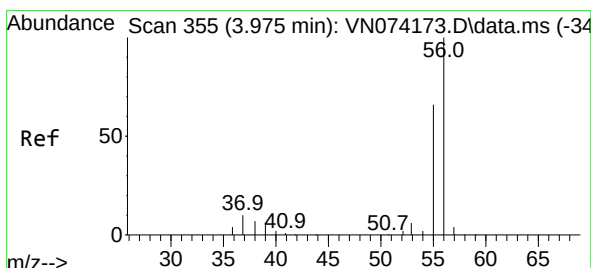
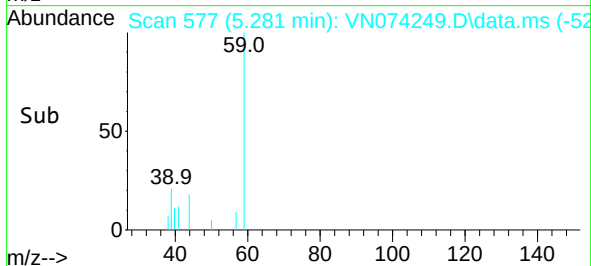
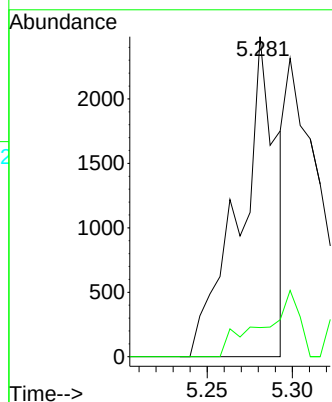


Tgt Ion: 59 Resp: 3733

Ion Ratio Lower Upper

59 100

57 20.5 8.3 12.5#



#13

Acrolein

Concen: 0.210 ug/l

RT: 3.987 min Scan# 357

Delta R.T. 0.012 min

Lab File: VN074249.D

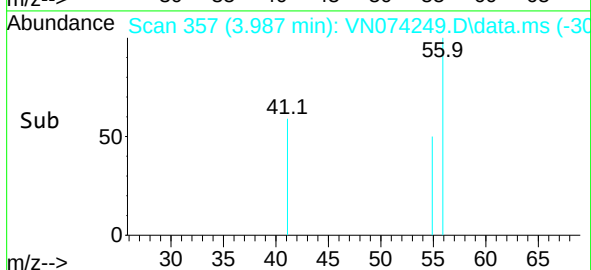
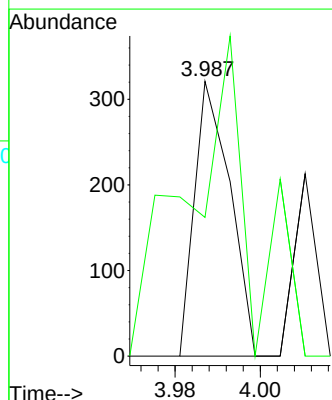
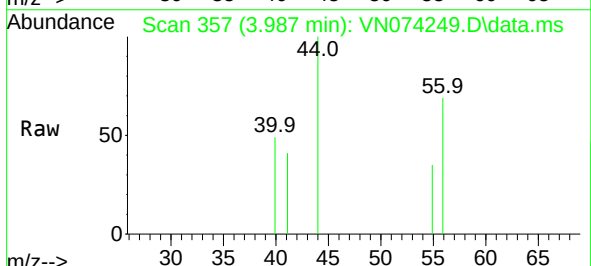
Acq: 01 Sep 2022 17:57

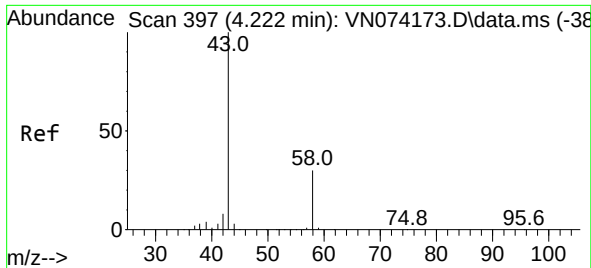
Tgt Ion: 56 Resp: 185

Ion Ratio Lower Upper

56 100

55 213.0 54.8 82.2#

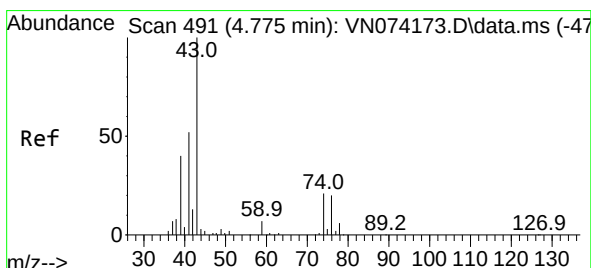
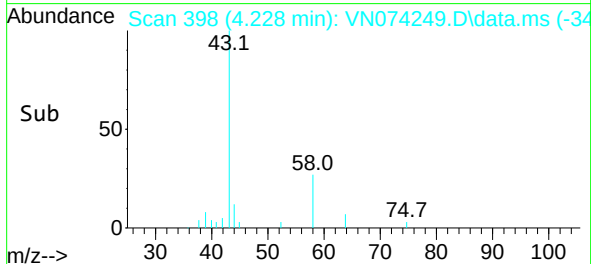
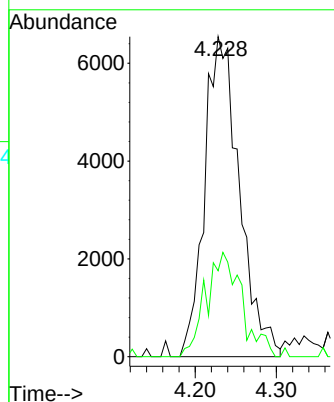
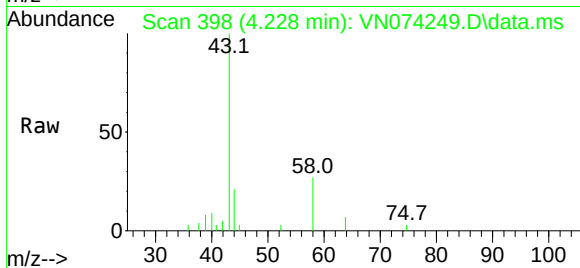




#16
 Acetone
 Concen: 7.322 ug/l
 RT: 4.228 min Scan# 397
 Delta R.T. 0.006 min
 Lab File: VN074249.D
 Acq: 01 Sep 2022 17:57

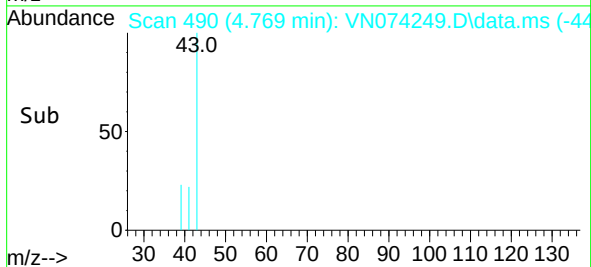
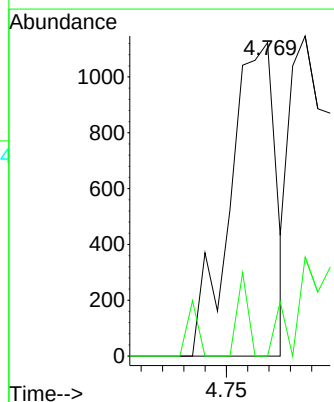
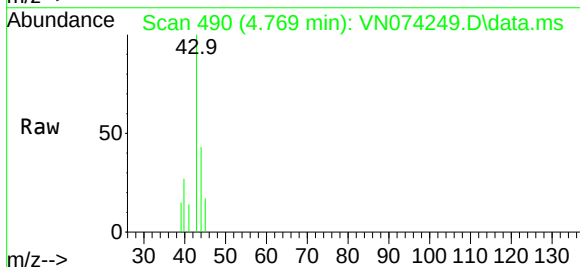
Instrument :
 MSVOA_N
 ClientSampleId :

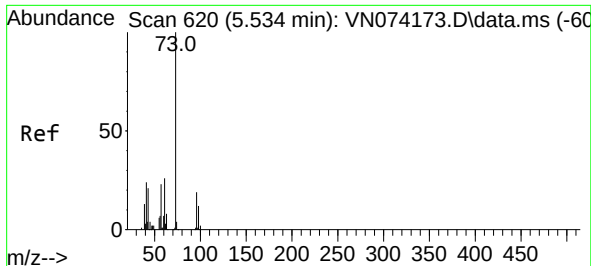
Tgt Ion: 43 Resp: 19515
 Ion Ratio Lower Upper
 43 100
 58 26.9 26.0 39.0



#18
 Methyl Acetate
 Concen: Below Cal
 RT: 4.769 min Scan# 490
 Delta R.T. -0.006 min
 Lab File: VN074249.D
 Acq: 01 Sep 2022 17:57

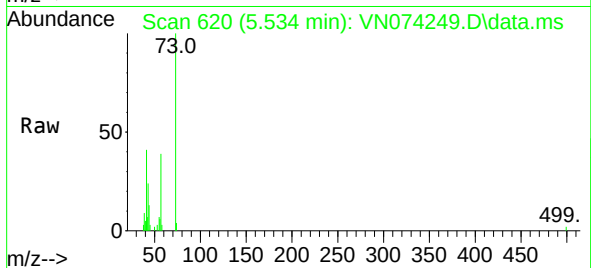
Tgt Ion: 43 Resp: 1663
 Ion Ratio Lower Upper
 43 100
 74 6.4 21.6 32.4#



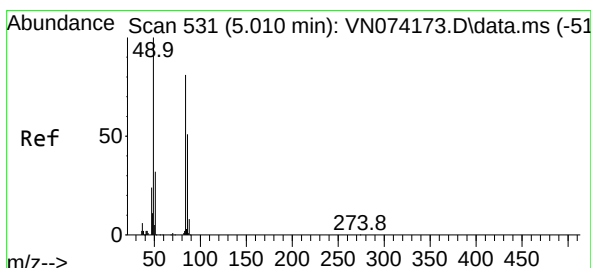
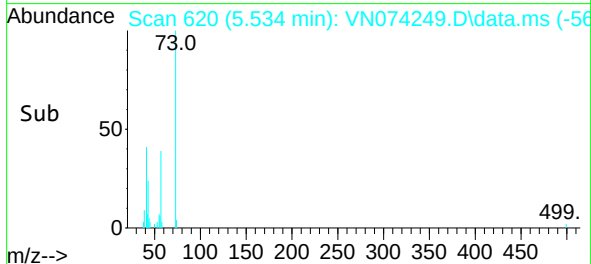
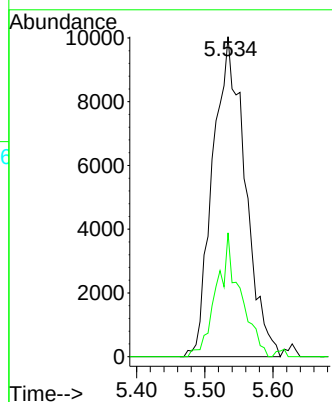


#19
Methyl tert-butyl Ether
Concen: 2.973 ug/l
RT: 5.534 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Instrument :
MSVOA_N
ClientSampleId :

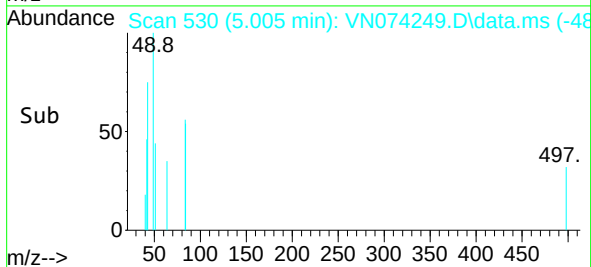
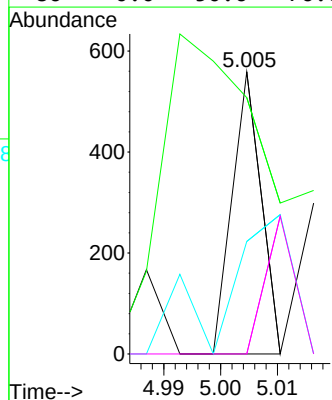
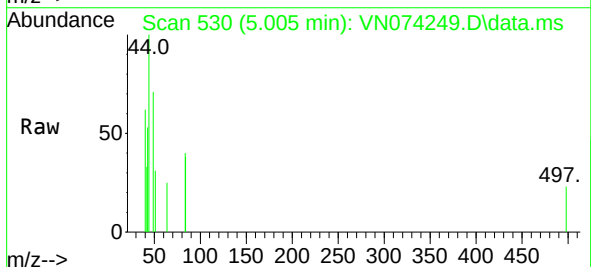


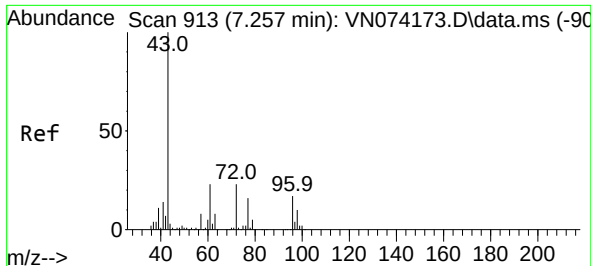
Tgt Ion: 73 Resp: 33157
Ion Ratio Lower Upper
73 100
57 38.7 17.6 26.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.005 min Scan# 530
Delta R.T. -0.005 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

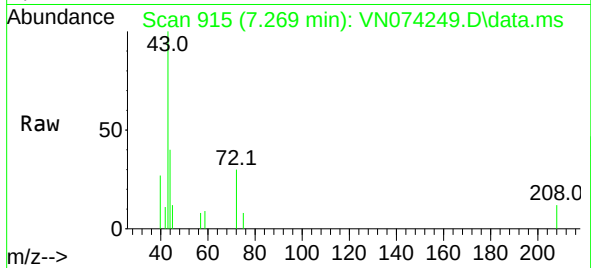
Tgt Ion: 84 Resp: 197
Ion Ratio Lower Upper
84 100
49 37.4 88.3 132.5#
51 11.6 28.2 42.2#
86 0.0 50.6 76.0#



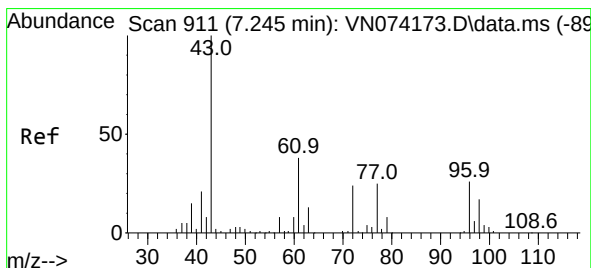
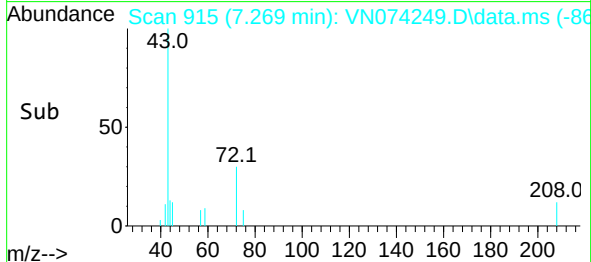
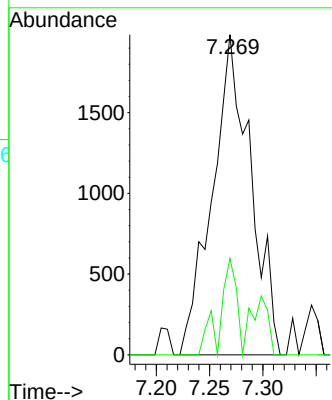


#25
2-Butanone
Concen: 1.167 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Instrument :
MSVOA_N
ClientSampleId :

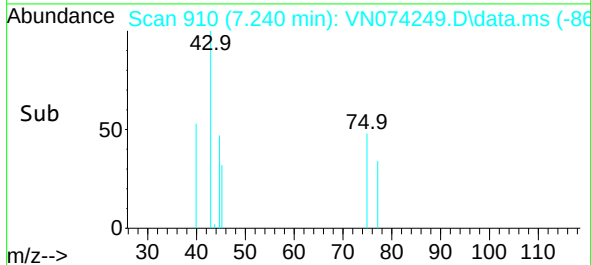
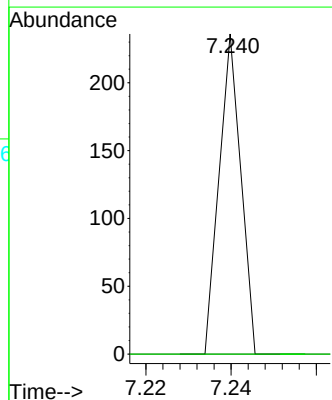
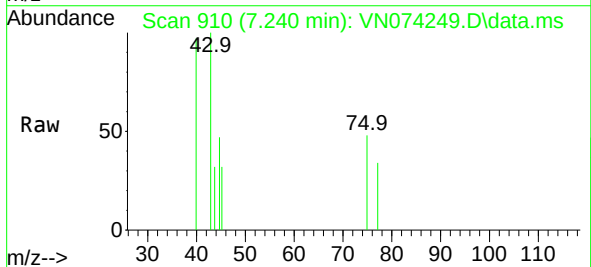


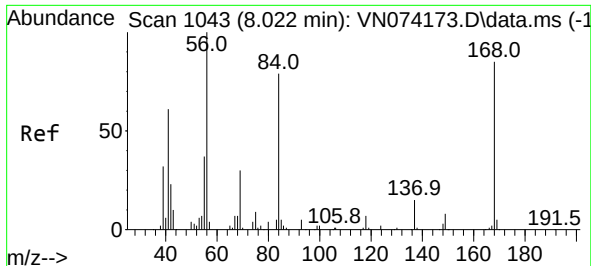
Tgt Ion: 43 Resp: 4976
Ion Ratio Lower Upper
43 100
72 30.1 23.7 35.5



#26
2,2-Dichloropropane
Concen: 0.287 ug/l
RT: 7.240 min Scan# 910
Delta R.T. -0.005 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

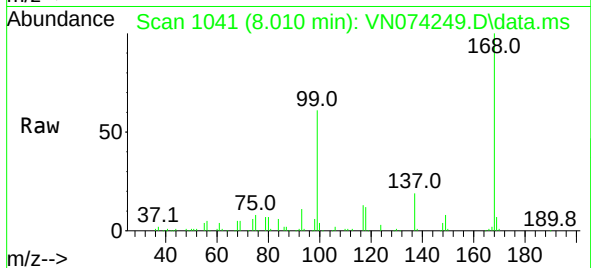
Tgt Ion: 77 Resp: 83
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



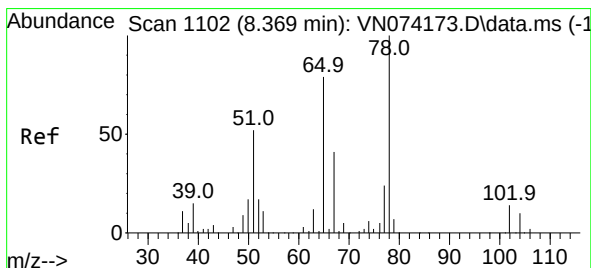
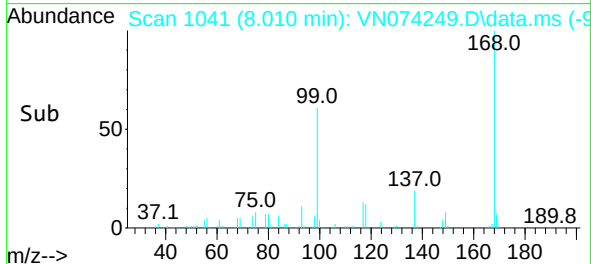
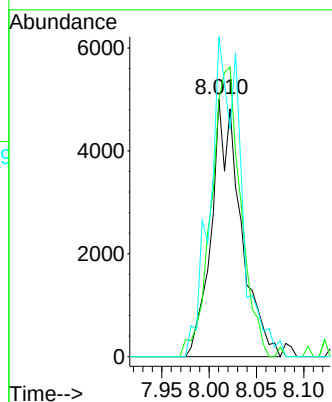


#31
Cyclohexane
Concen: 1.629 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.011 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Instrument :
MSVOA_N
ClientSampleId :

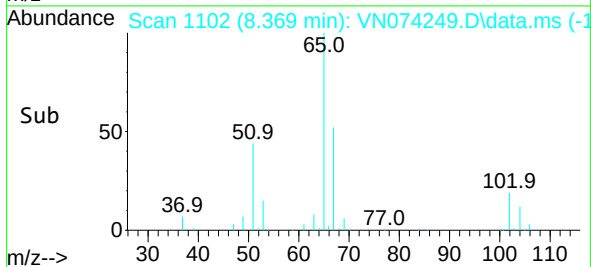
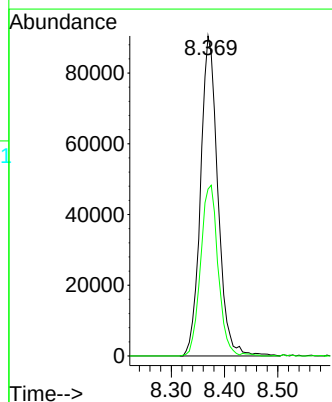
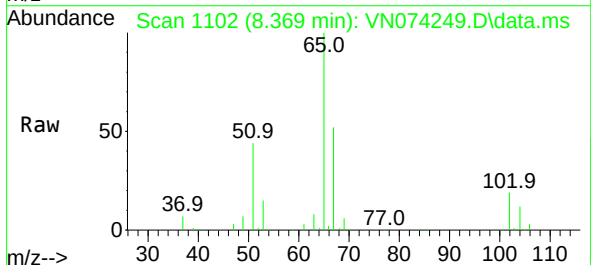


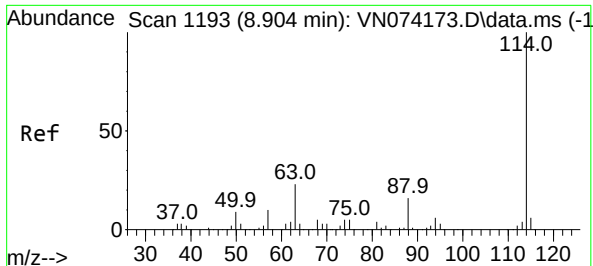
Tgt Ion: 56 Resp: 10735
Ion Ratio Lower Upper
56 100
69 99.9 27.8 41.8#
84 124.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 51.148 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Tgt Ion: 65 Resp: 204008
Ion Ratio Lower Upper
65 100
67 53.7 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: VN074249.D

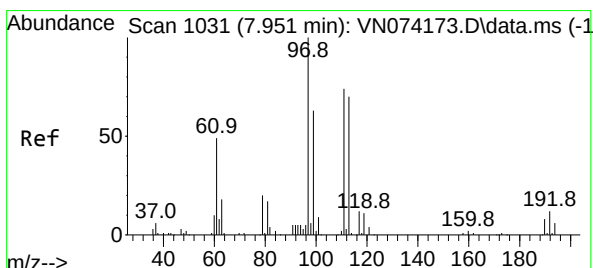
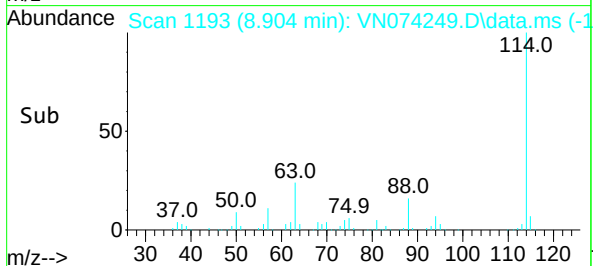
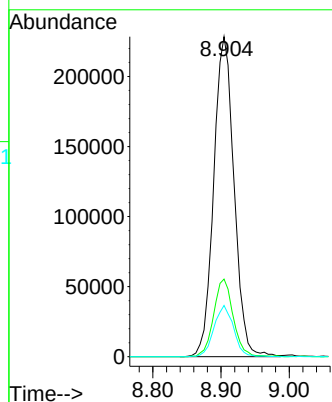
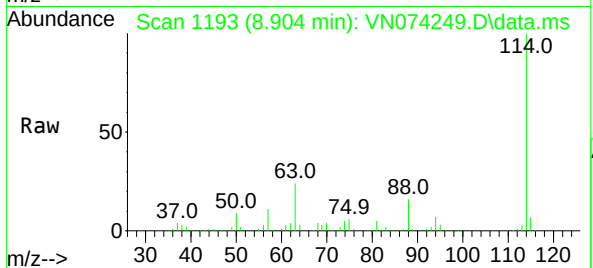
Acq: 01 Sep 2022 17:57

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:114	Resp: 474406
Ion Ratio	Lower Upper
114 100	
63 24.3	0.0 40.0
88 16.0	0.0 32.6



#35

Dibromofluoromethane

Concen: 53.124 ug/l

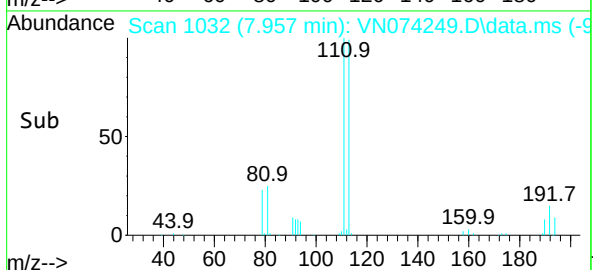
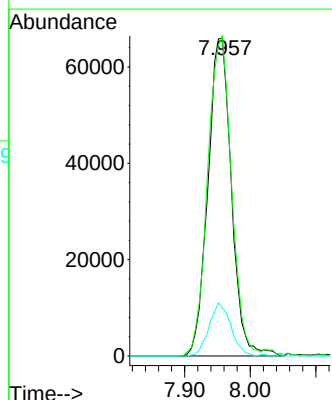
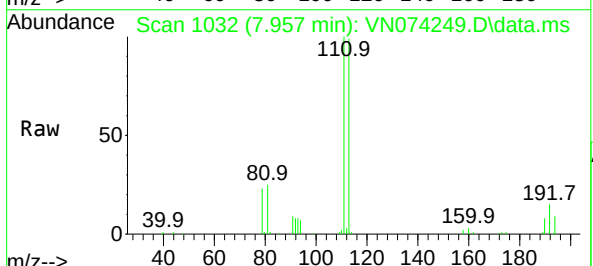
RT: 7.957 min Scan# 1032

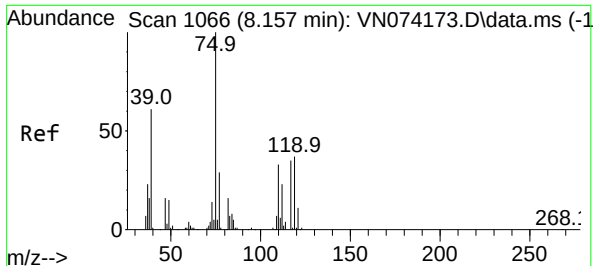
Delta R.T. 0.006 min

Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

Tgt Ion:113	Resp: 163998
Ion Ratio	Lower Upper
113 100	
111 102.2	81.4 122.0
192 15.6	17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.843 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

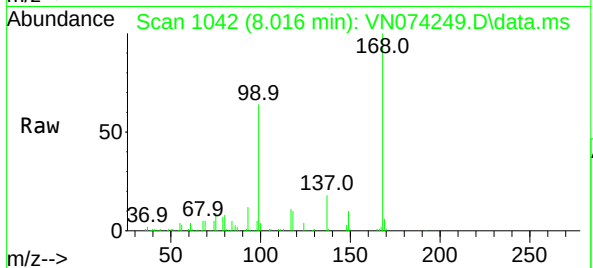
Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

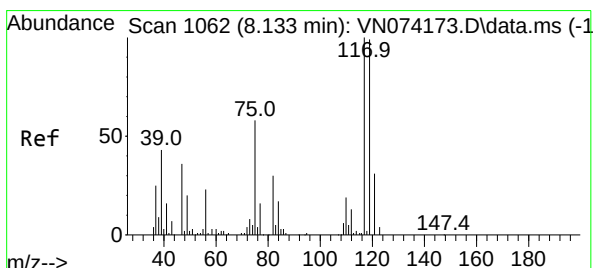
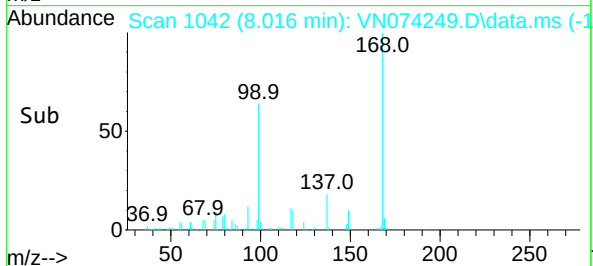
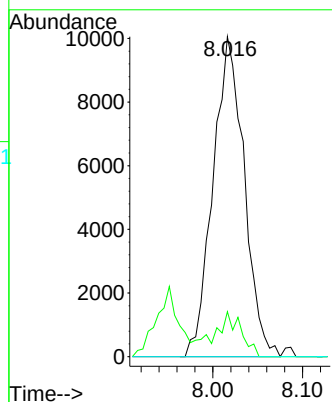
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	24259
Ion Ratio	Lower	Upper	
75	100		
110	9.4	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.975 ug/l

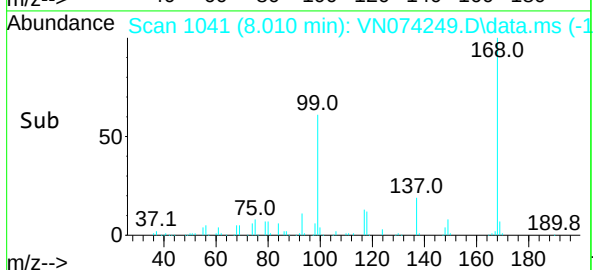
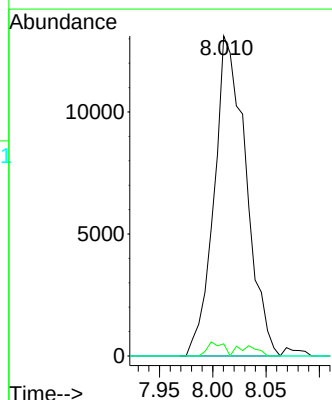
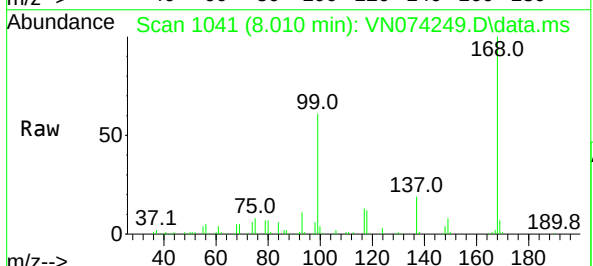
RT: 8.010 min Scan# 1041

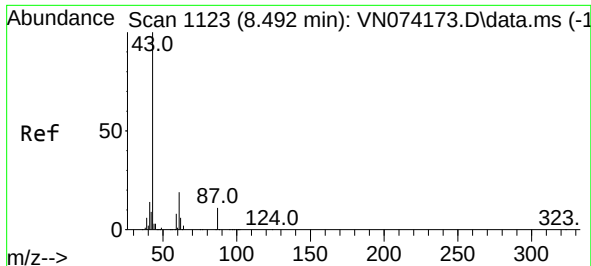
Delta R.T. -0.123 min

Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

Tgt Ion:	117	Resp:	27177
Ion Ratio	Lower	Upper	
117	100		
119	3.8	75.8	113.8#
121	0.0	24.6	37.0#

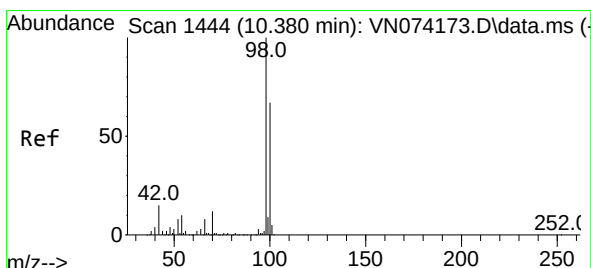
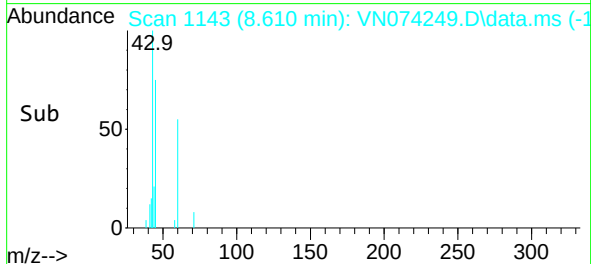
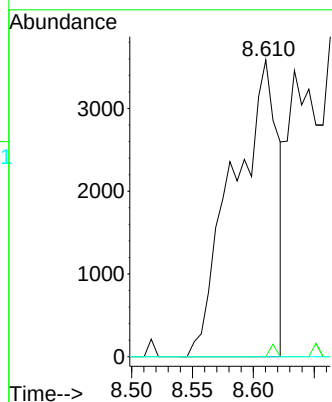
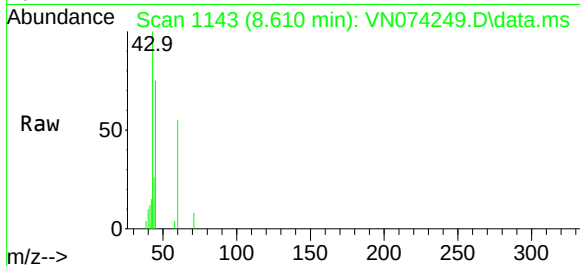




#43
Isopropyl Acetate
Concen: 0.813 ug/l
RT: 8.610 min Scan# 1123
Delta R.T. 0.118 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

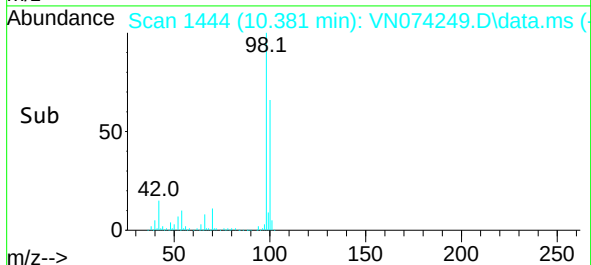
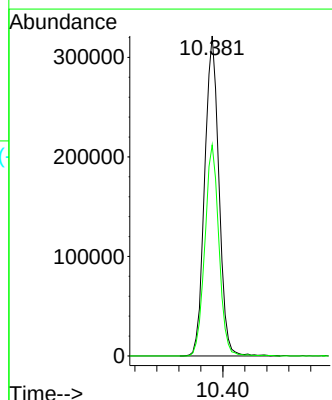
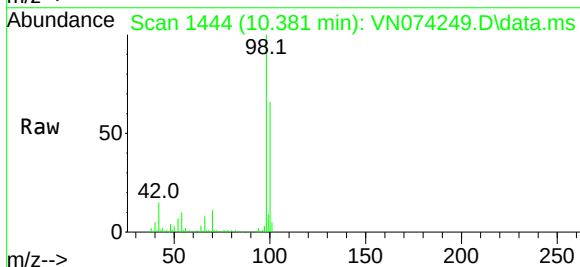
Instrument :
MSVOA_N
ClientSampleId :

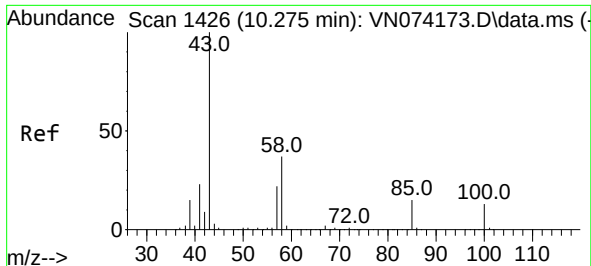
Tgt Ion: 43 Resp: 9151
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 47.602 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Tgt Ion: 98 Resp: 578714
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.523 ug/l

RT: 10.381 min Scan# 1426

Delta R.T. 0.106 min

Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

Instrument :

MSVOA_N

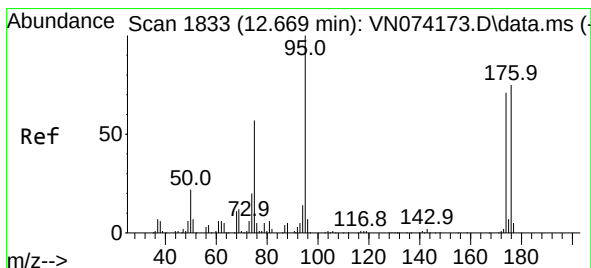
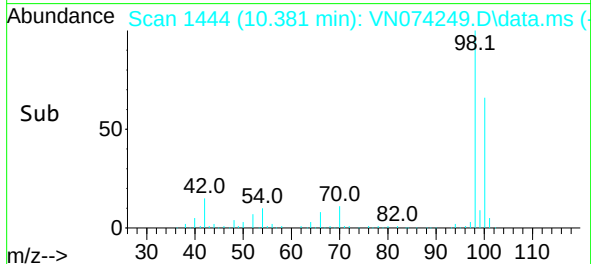
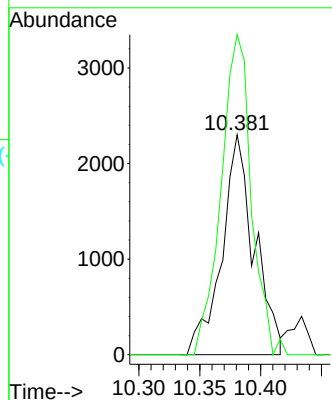
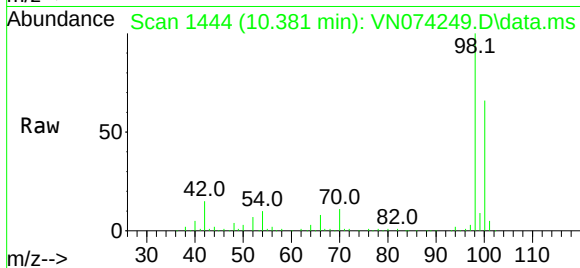
ClientSampleId :

Tgt Ion: 43 Resp: 4276

Ion Ratio Lower Upper

43 100

58 135.6 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 61.817 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.000 min

Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

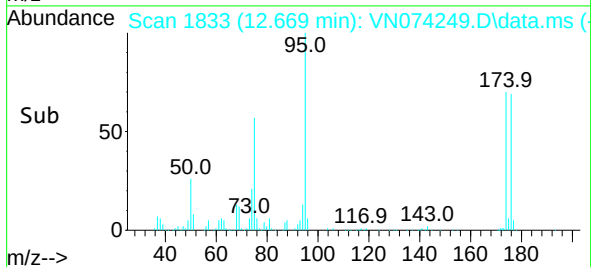
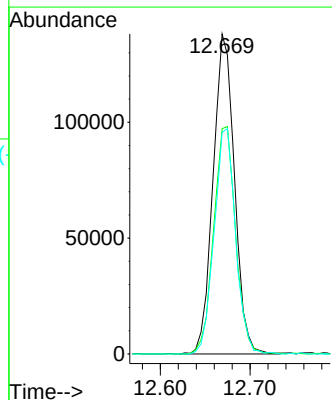
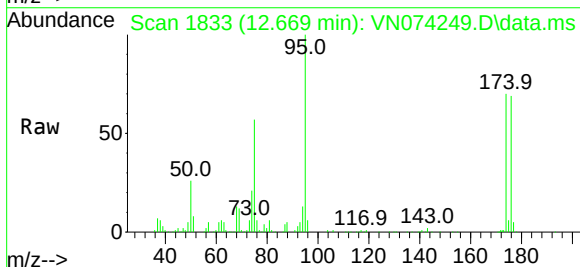
Tgt Ion: 95 Resp: 228543

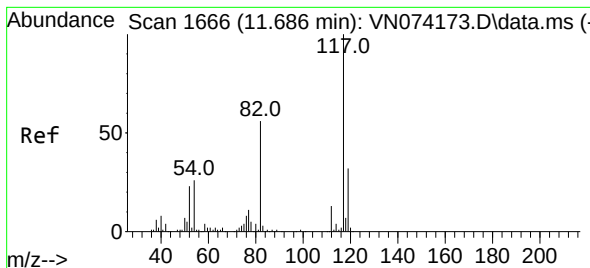
Ion Ratio Lower Upper

95 100

174 72.9 0.0 167.6

176 70.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.681 min Scan# 1

Delta R.T. -0.006 min

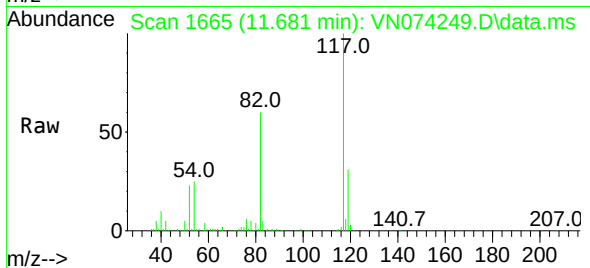
Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

Instrument :

MSVOA_N

ClientSampleId :



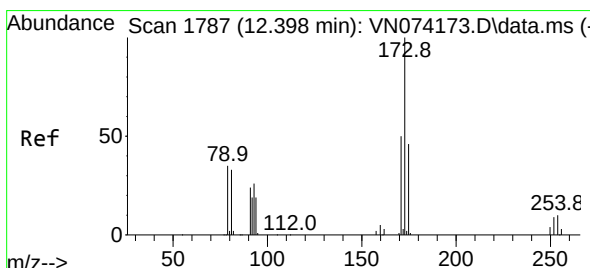
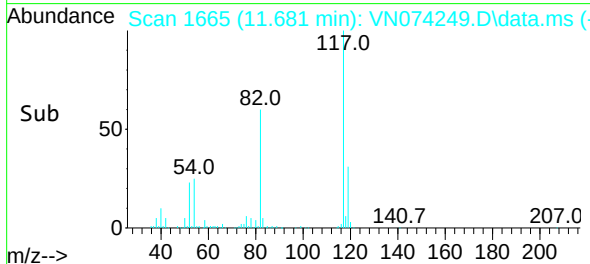
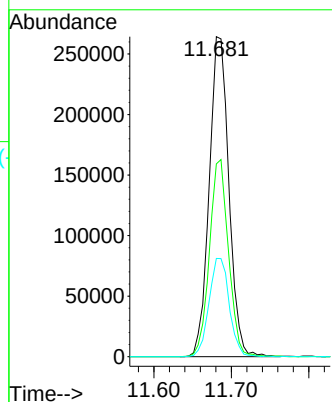
Tgt Ion:117 Resp: 465770

Ion Ratio Lower Upper

117 100

82 60.3 44.2 66.2

119 30.7 25.4 38.0



#71

Bromoform

Concen: 0.787 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074249.D

Acq: 01 Sep 2022 17:57

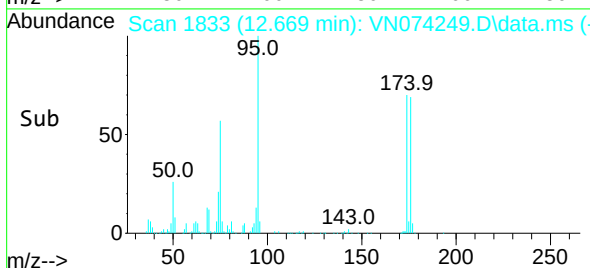
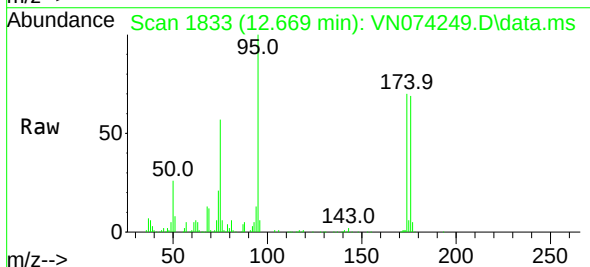
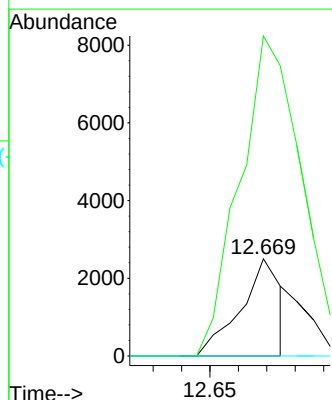
Tgt Ion:173 Resp: 2483

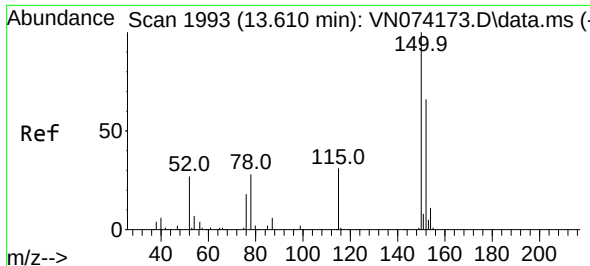
Ion Ratio Lower Upper

173 100

175 361.5 24.6 73.6#

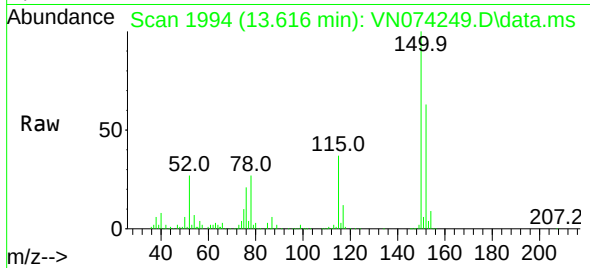
254 0.0 0.1 0.1#



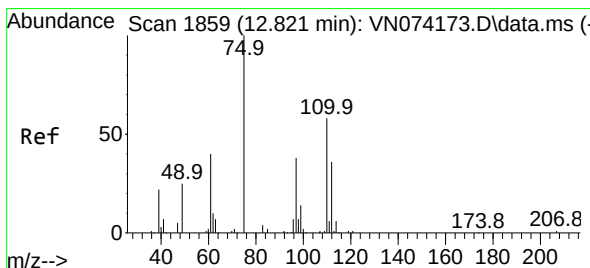
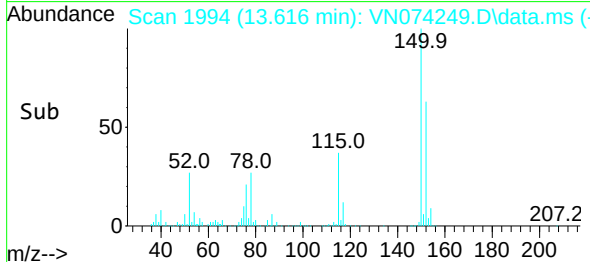
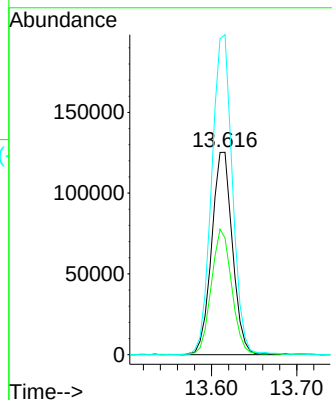


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.006 min
 Lab File: VN074249.D
 Acq: 01 Sep 2022 17:57

Instrument :
 MSVOA_N
 ClientSampleId :

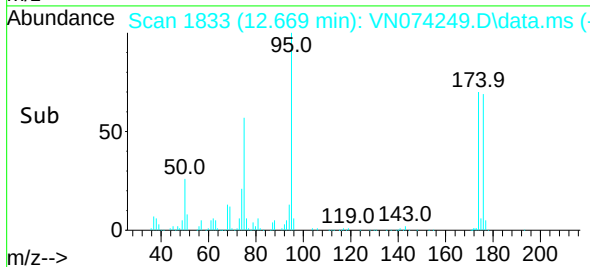
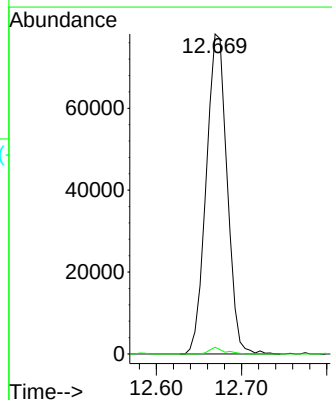
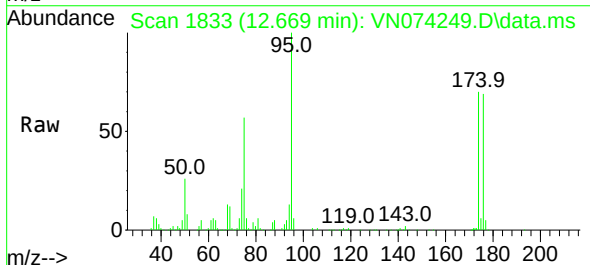


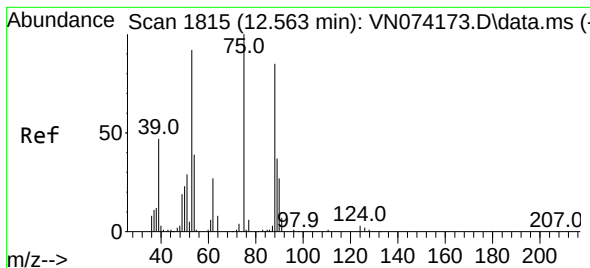
Tgt Ion:152 Resp: 213231
 Ion Ratio Lower Upper
 152 100
 115 60.8 28.9 86.7
 150 157.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.085 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074249.D
 Acq: 01 Sep 2022 17:57

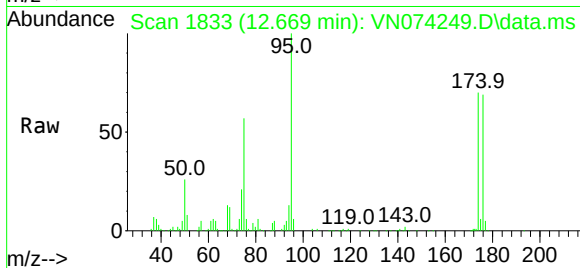
Tgt Ion: 75 Resp: 132889
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#



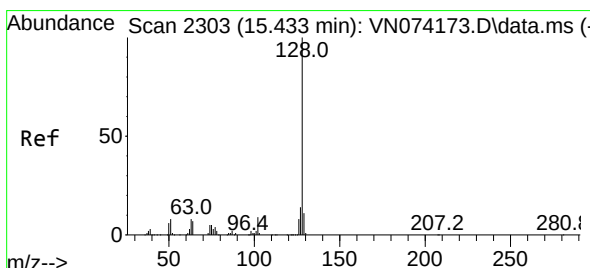
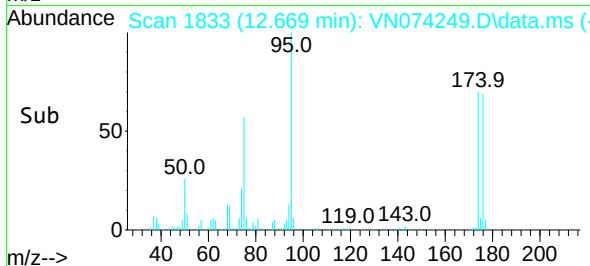
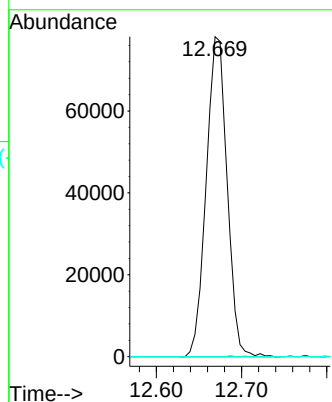


#81
trans-1,4-Dichloro-2-butene
Concen: 64.688 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 132889
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.212 ug/l
RT: 15.422 min Scan# 2301
Delta R.T. -0.011 min
Lab File: VN074249.D
Acq: 01 Sep 2022 17:57

Tgt Ion: 128 Resp: 1011
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 15.4 8.6 13.0#

