

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082422\
 Data File : VN074100.D
 Acq On : 24 Aug 2022 18:44
 Operator : JC\MD
 Sample : N4280-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 25 07:55:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

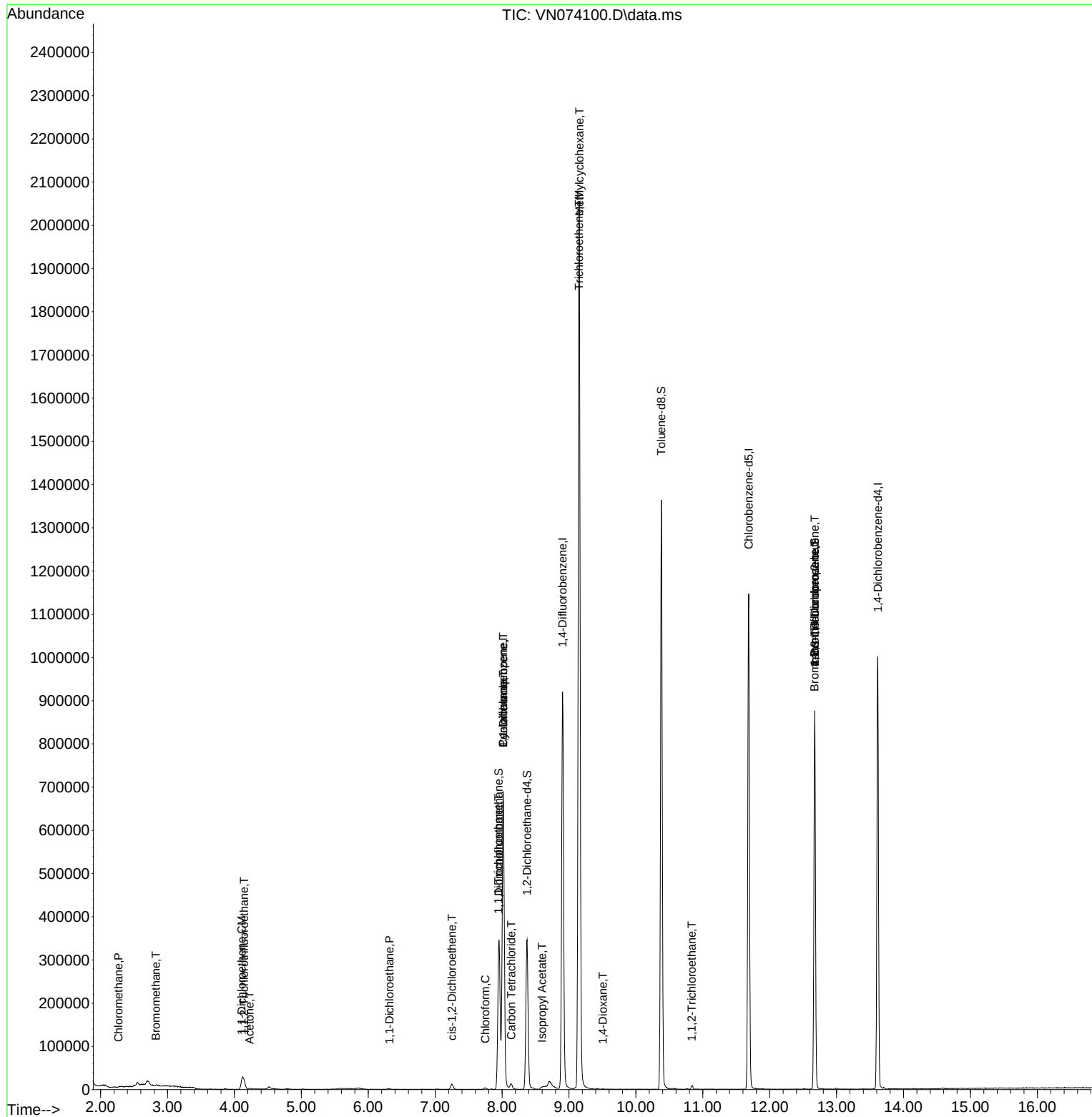
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	566882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	856893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	718931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	292337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	291483	52.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.580%	
35) Dibromofluoromethane	7.951	113	257244	50.763	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.520%	
50) Toluene-d8	10.380	98	966639	49.252	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	12.674	95	291126	44.695	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.400%	
Target Compounds						Qvalue
3) Chloromethane	2.269	50	1094	0.219	ug/l #	72
5) Bromomethane	2.828	94	1274	0.318	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.146	101	12399	2.579	ug/l	97
12) 1,1-Dichloroethene	4.110	96	12066	2.697	ug/l	88
16) Acetone	4.228	43	4200	1.612	ug/l #	88
18) Methyl Acetate	4.781	43	3535	Below Cal	#	59
24) 1,1-Dichloroethane	6.316	63	3824	0.437	ug/l #	82
27) cis-1,2-Dichloroethene	7.251	96	8018	1.318	ug/l	86
30) Chloroform	7.751	83	3963	0.405	ug/l	96
31) Cyclohexane	8.016	56	9386	1.219	ug/l #	1
32) 1,1,1-Trichloroethane	7.945	97	1839	0.212	ug/l #	45
36) 1,1-Dichloropropene	8.016	75	38178	5.424	ug/l #	49
38) Carbon Tetrachloride	8.139	117	9294	1.155	ug/l	92
39) Methylcyclohexane	9.157	83	9485	1.075	ug/l #	1
43) Isopropyl Acetate	8.598	43	5118	0.421	ug/l #	53
44) Trichloroethene	9.151	130	811526	126.477	ug/l	99
49) 1,4-Dioxane	9.504	88	329	2.128	ug/l #	41
55) 1,1,2-Trichloroethane	10.833	97	3102	0.523	ug/l #	88
71) Bromoform	12.669	173	1371	0.265	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	143055	23.544	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	143055	66.962	ug/l #	10

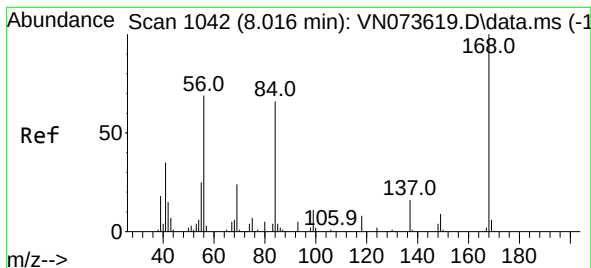
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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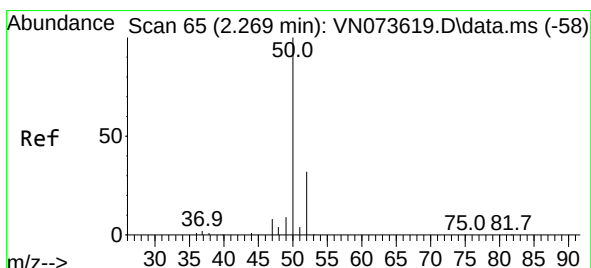
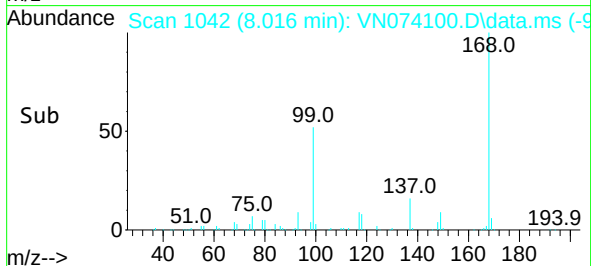
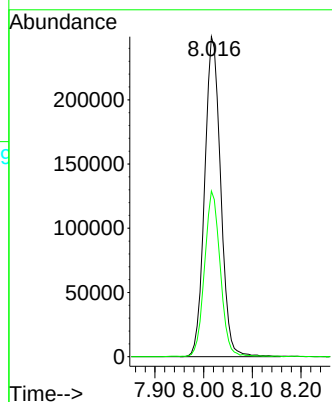
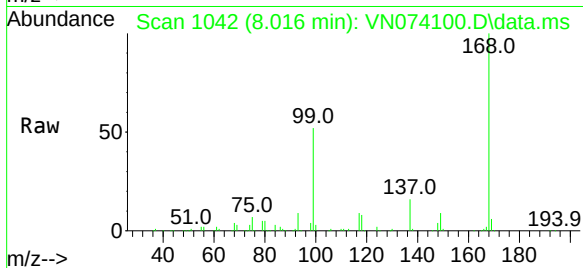




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

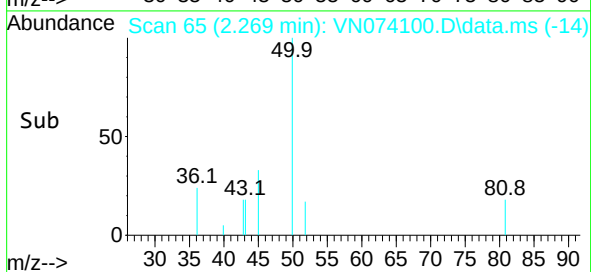
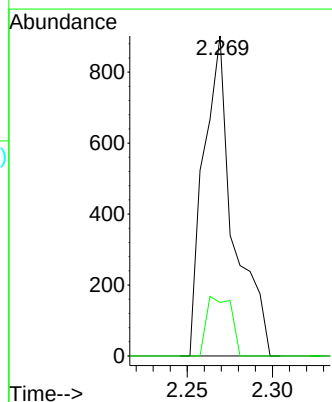
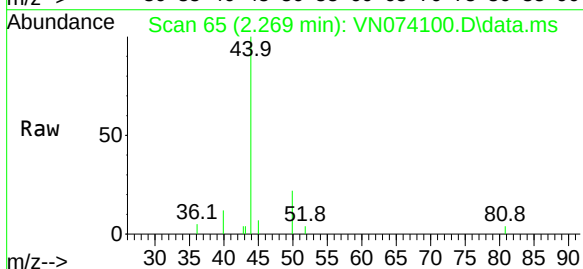
Instrument :
MSVOA_N
ClientSampleId :

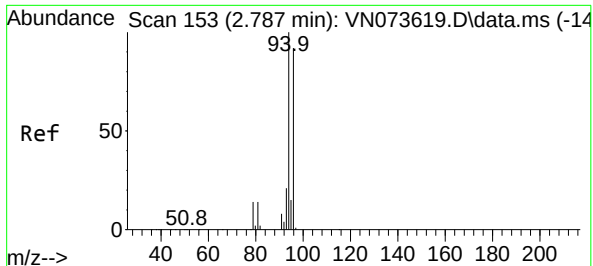
Tgt Ion:168 Resp: 566882
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5



#3
Chloromethane
Concen: 0.219 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

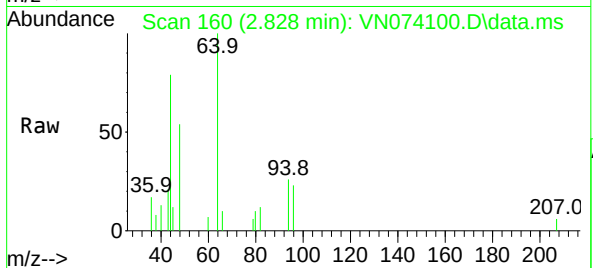
Tgt Ion: 50 Resp: 1094
Ion Ratio Lower Upper
50 100
52 16.7 25.7 38.5#



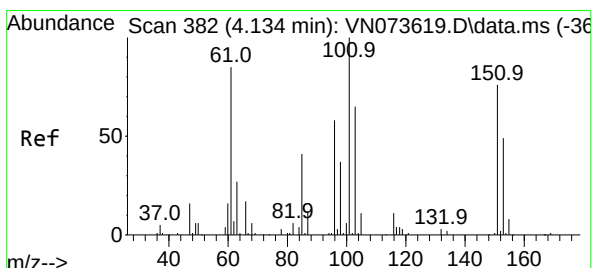
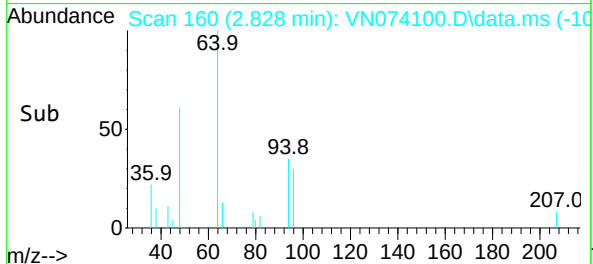
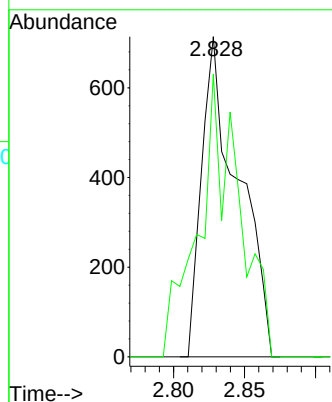


#5
Bromomethane
Concen: 0.318 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

Instrument :
MSVOA_N
ClientSampleId :

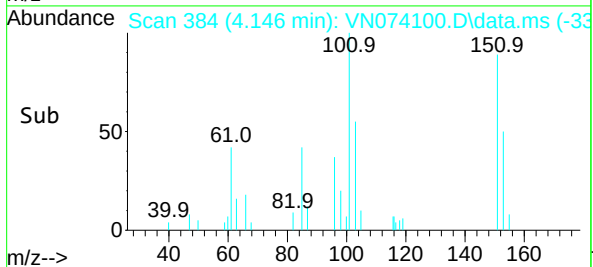
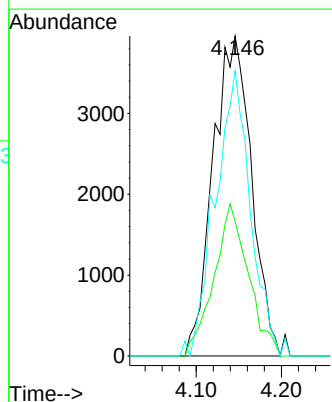
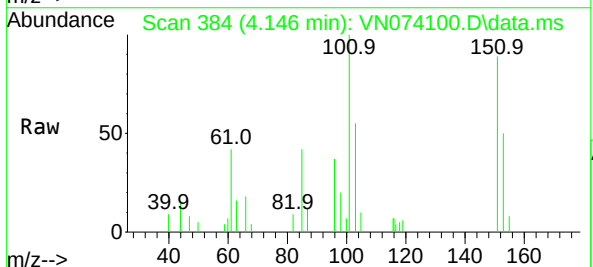


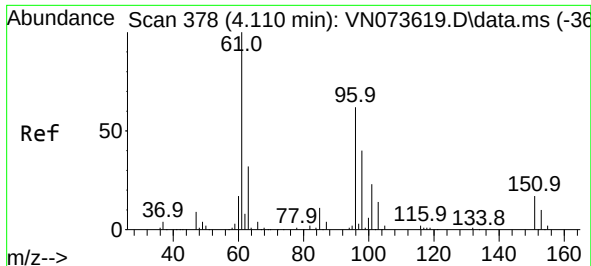
Tgt Ion: 94 Resp: 1274
Ion Ratio Lower Upper
94 100
96 88.4 76.0 114.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.579 ug/l
RT: 4.146 min Scan# 384
Delta R.T. 0.012 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

Tgt Ion: 101 Resp: 12399
Ion Ratio Lower Upper
101 100
85 42.6 34.7 52.1
151 81.6 63.0 94.4





#12

1,1-Dichloroethene

Concen: 2.697 ug/l

RT: 4.110 min Scan# 31

Delta R.T. 0.000 min

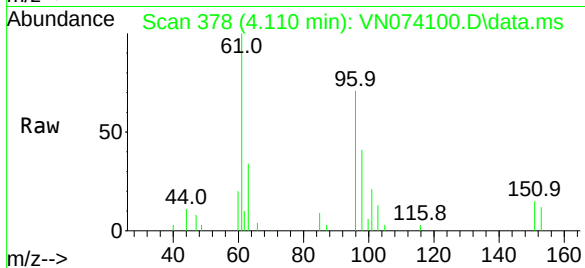
Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :



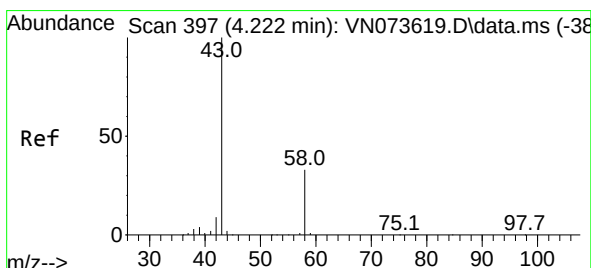
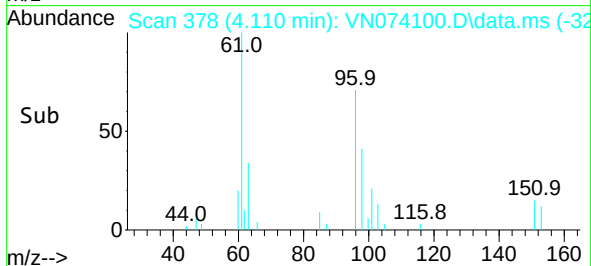
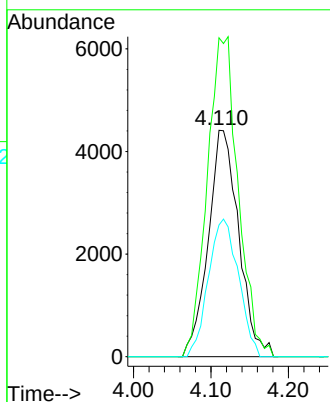
Tgt Ion: 96 Resp: 12066

Ion Ratio Lower Upper

96 100

61 140.8 127.6 191.4

98 58.2 51.2 76.8



#16

Acetone

Concen: 1.612 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074100.D

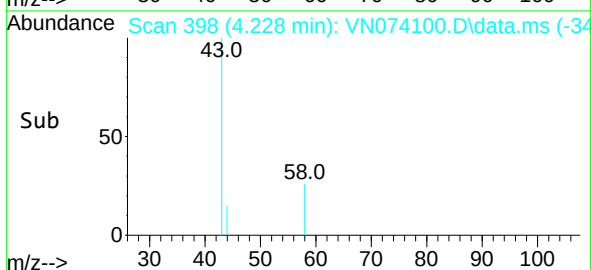
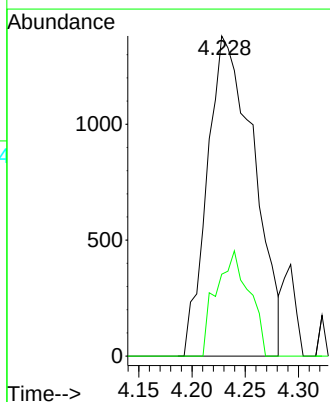
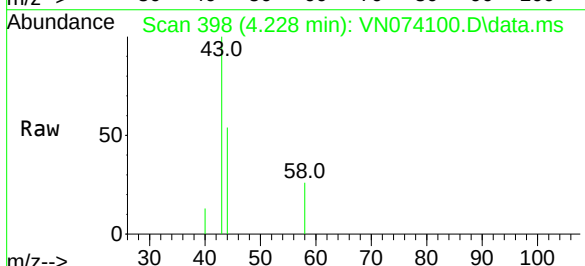
Acq: 24 Aug 2022 18:44

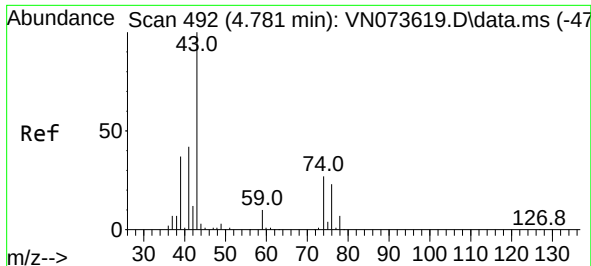
Tgt Ion: 43 Resp: 4200

Ion Ratio Lower Upper

43 100

58 25.6 26.0 39.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.781 min Scan# 492

Delta R.T. -0.000 min

Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

Instrument :

MSVOA_N

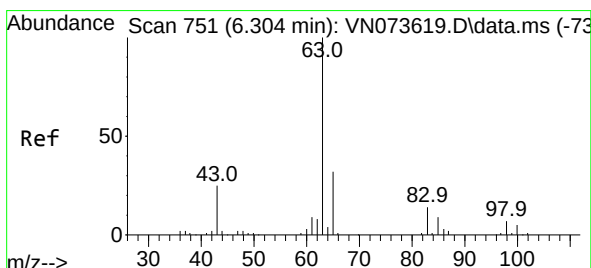
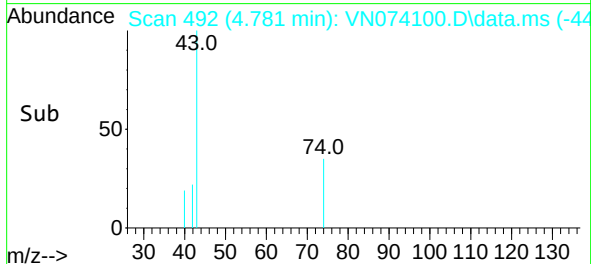
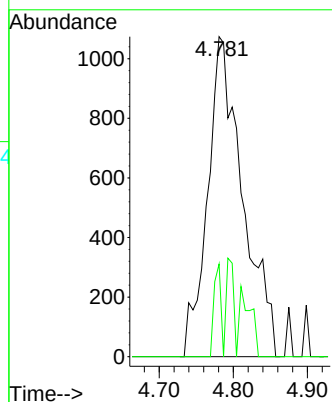
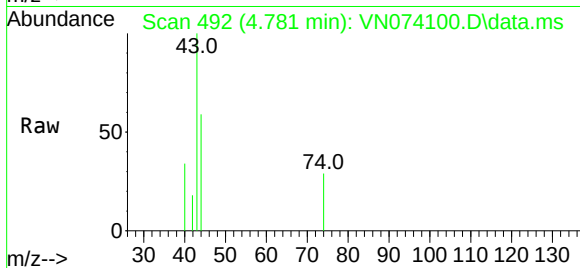
ClientSampleId :

Tgt Ion: 43 Resp: 3535

Ion Ratio Lower Upper

43 100

74 5.6 21.6 32.4#



#24

1,1-Dichloroethane

Concen: 0.437 ug/l

RT: 6.316 min Scan# 753

Delta R.T. 0.012 min

Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

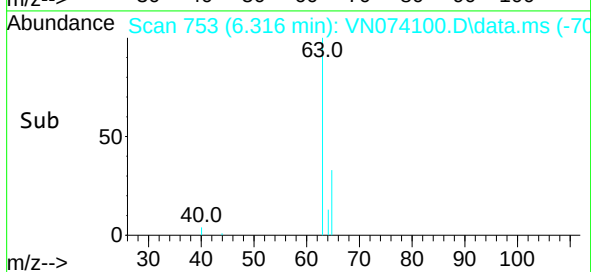
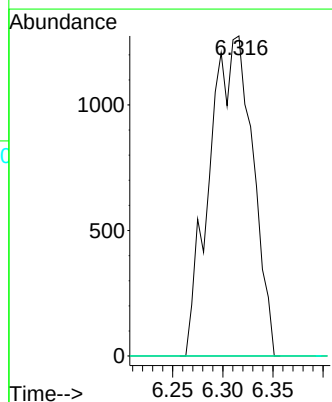
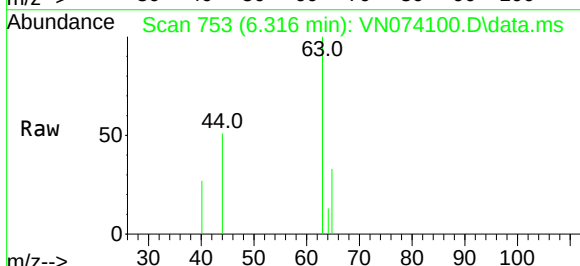
Tgt Ion: 63 Resp: 3824

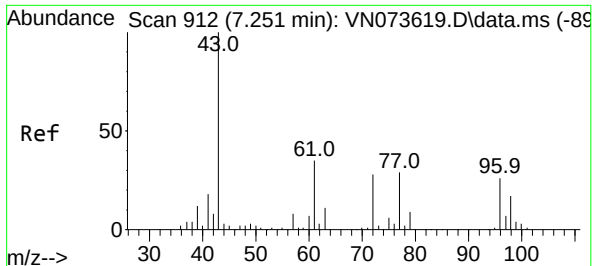
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

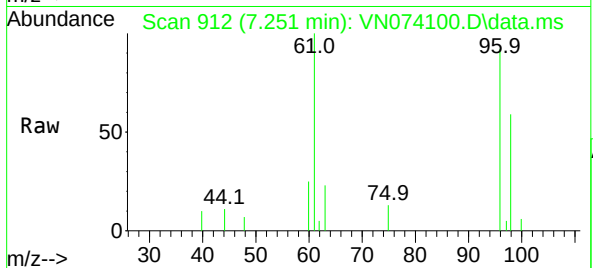
100 0.0 2.3 6.8#



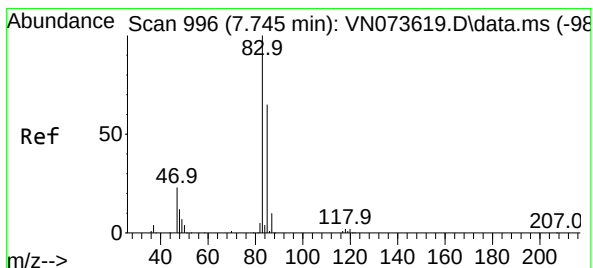
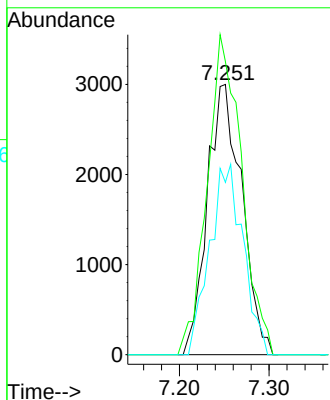
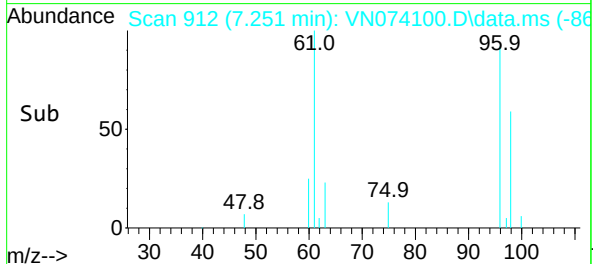


#27
 cis-1,2-Dichloroethene
 Concen: 1.318 ug/l
 RT: 7.251 min Scan# 912
 Delta R.T. 0.000 min
 Lab File: VN074100.D
 Acq: 24 Aug 2022 18:44

Instrument :
 MSVOA_N
 ClientSampleId :

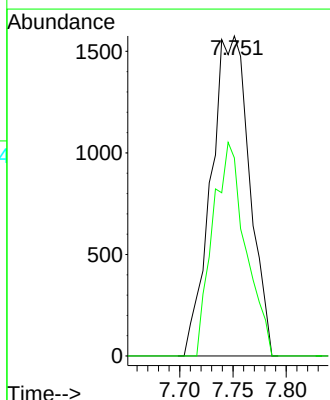
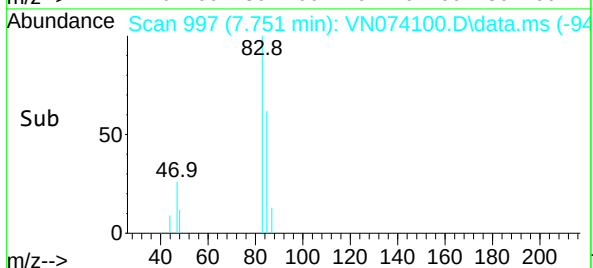
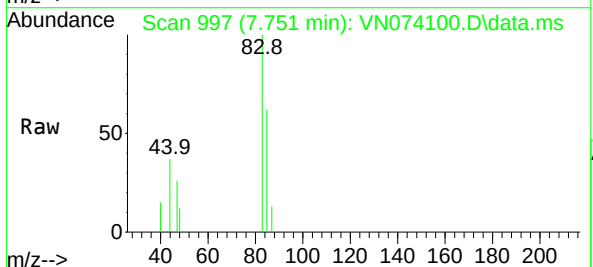


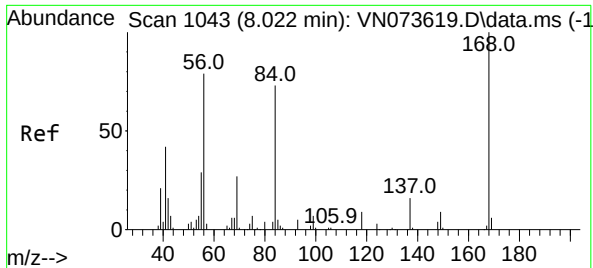
Tgt Ion:	96	Resp:	8018
Ion	Ratio	Lower	Upper
96	100		
61	117.8	0.0	280.6
98	68.1	0.0	128.4



#30
 Chloroform
 Concen: 0.405 ug/l
 RT: 7.751 min Scan# 997
 Delta R.T. 0.006 min
 Lab File: VN074100.D
 Acq: 24 Aug 2022 18:44

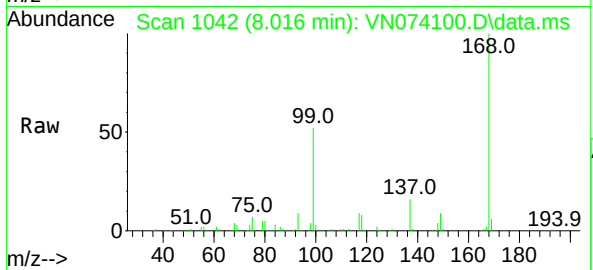
Tgt Ion:	83	Resp:	3963
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.8



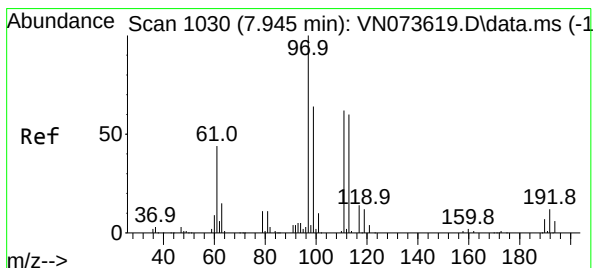
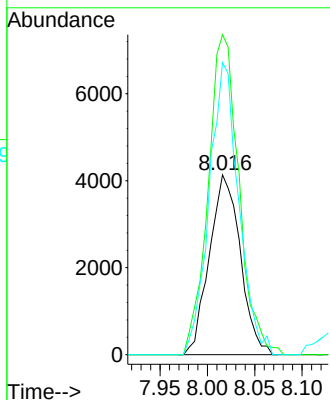
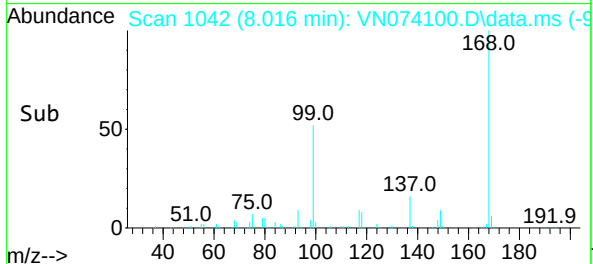


#31
Cyclohexane
Concen: 1.219 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

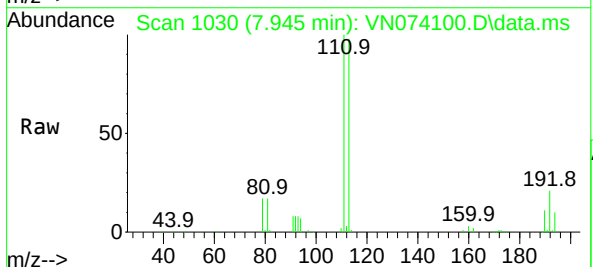
Instrument :
MSVOA_N
ClientSampleId :



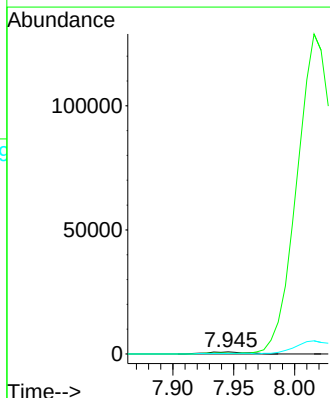
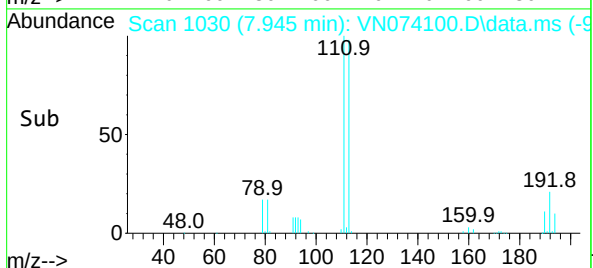
Tgt Ion: 56 Resp: 9386
Ion Ratio Lower Upper
56 100
69 177.9 27.8 41.8#
84 162.4 76.9 115.3#

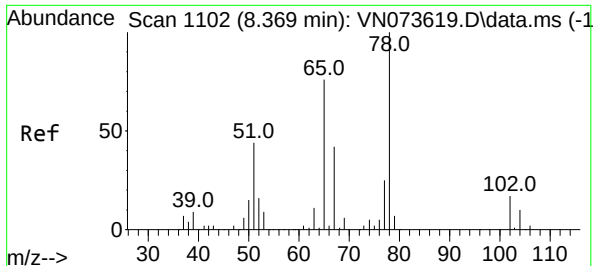


#32
1,1,1-Trichloroethane
Concen: 0.212 ug/l
RT: 7.945 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44



Tgt Ion: 97 Resp: 1839
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 33.4 36.0 54.0#





#33

1,2-Dichloroethane-d4

Concen: 52.791 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

Instrument :

MSVOA_N

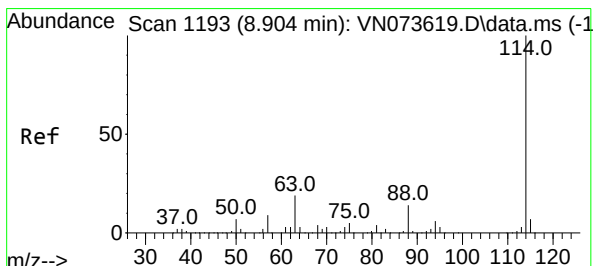
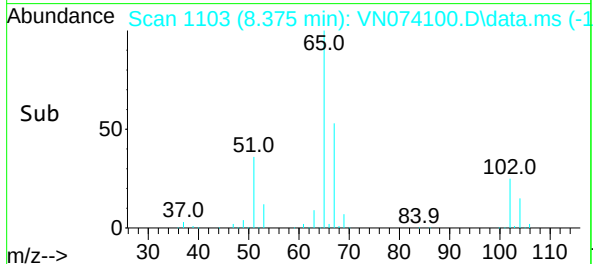
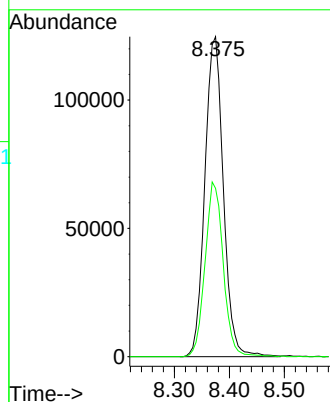
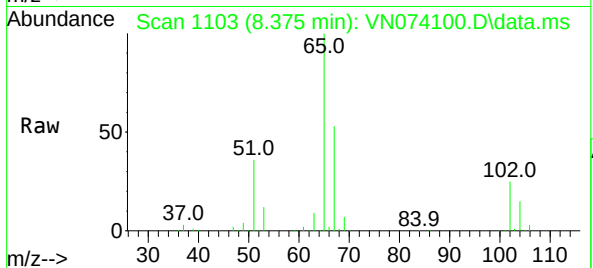
ClientSampleId :

Tgt Ion: 65 Resp: 291483

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: VN074100.D

Acq: 24 Aug 2022 18:44

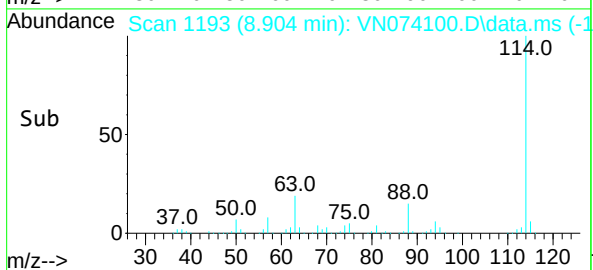
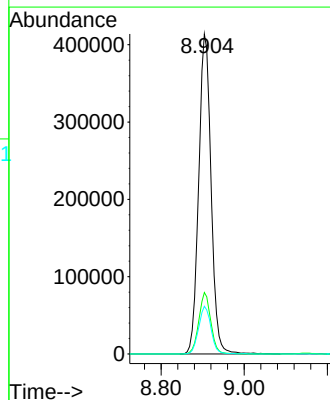
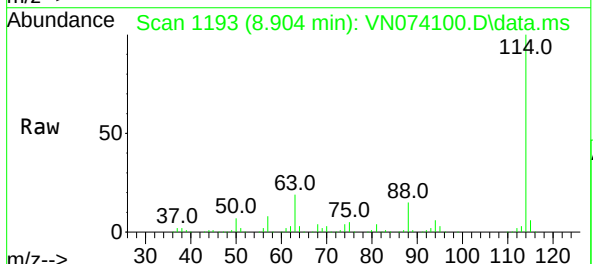
Tgt Ion: 114 Resp: 856893

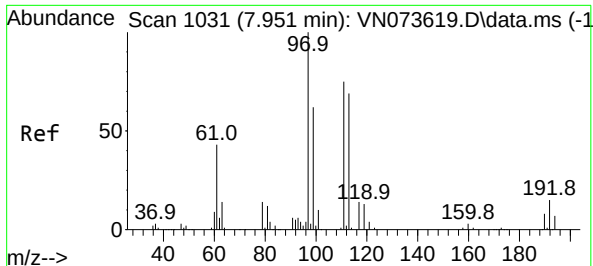
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.763 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

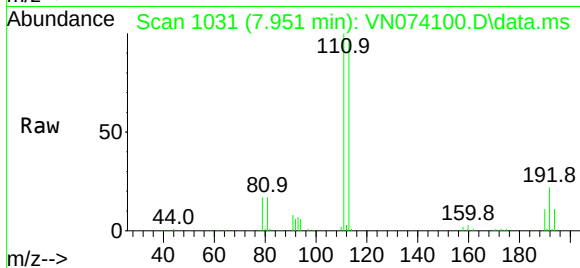
Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

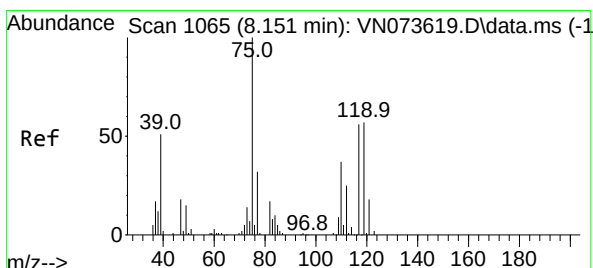
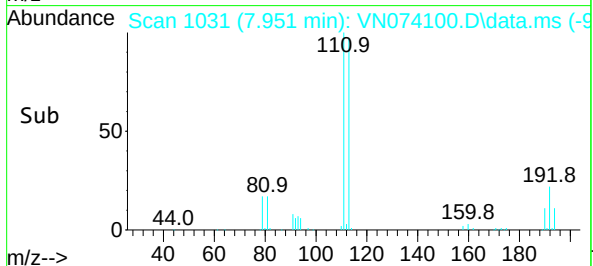
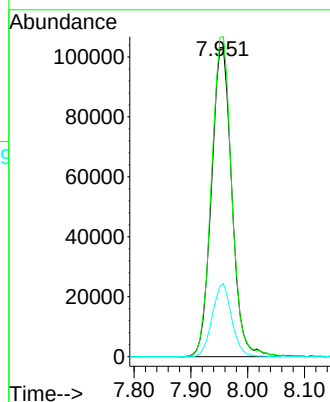
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	113	Resp:	257244
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.0
192	22.5	17.0	25.6



#36

1,1-Dichloropropene

Concen: 5.424 ug/l

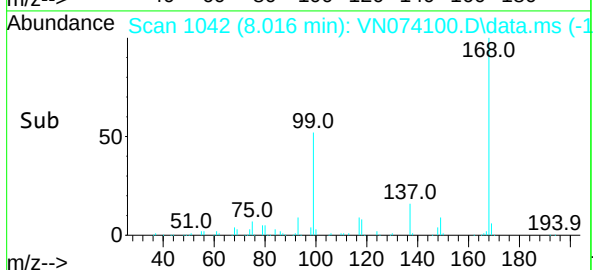
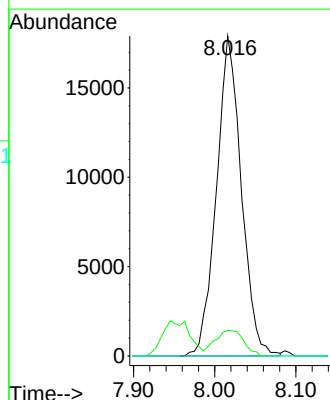
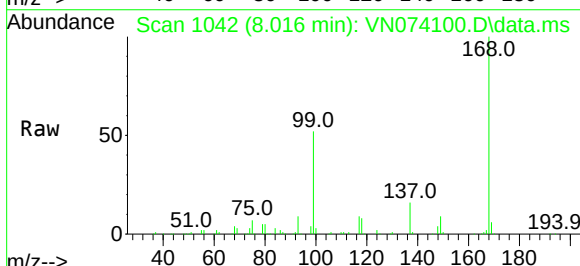
RT: 8.016 min Scan# 1042

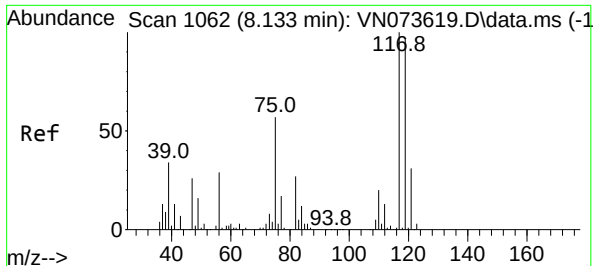
Delta R.T. -0.135 min

Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

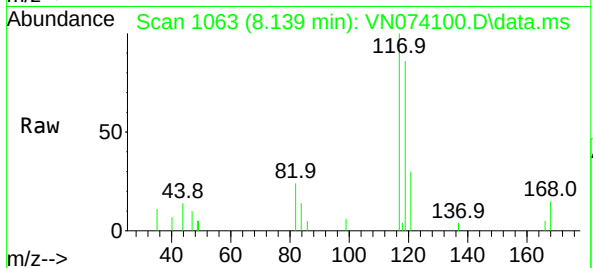
Tgt Ion:	75	Resp:	38178
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.3	54.8#
77	0.0	25.1	37.7#



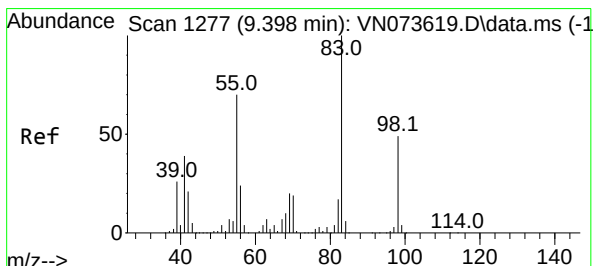
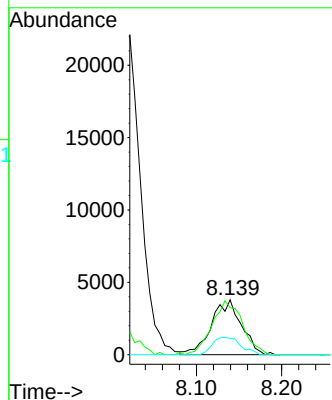
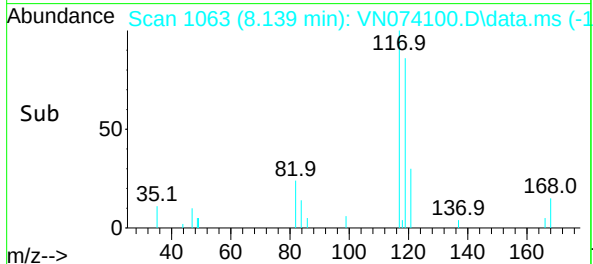


#38
Carbon Tetrachloride
Concen: 1.155 ug/l
RT: 8.139 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

Instrument :
MSVOA_N
ClientSampleId :

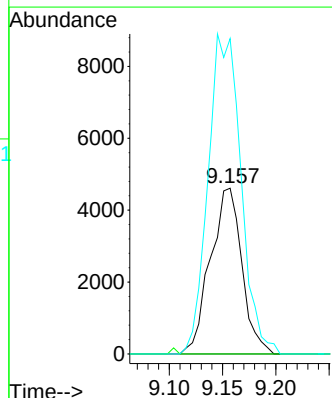
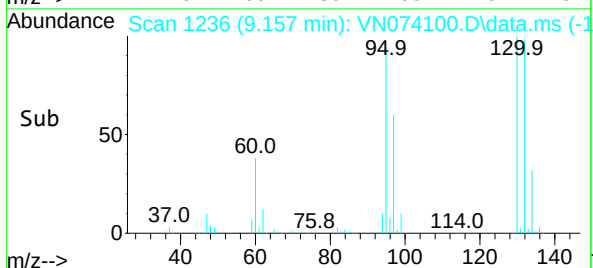
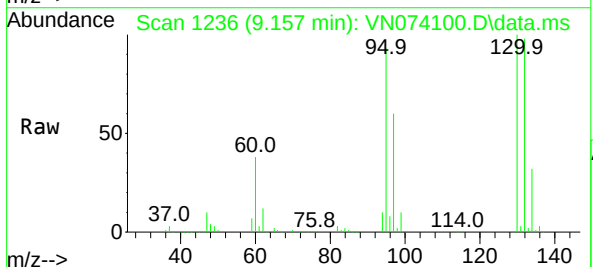


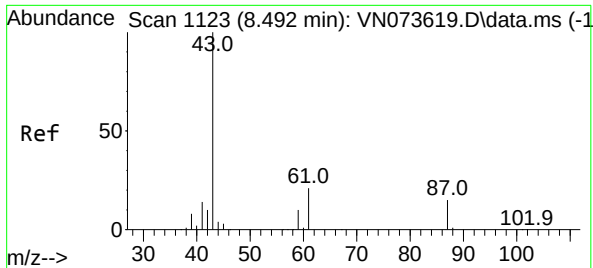
Tgt Ion:117 Resp: 9294
Ion Ratio Lower Upper
117 100
119 85.6 75.8 113.8
121 29.6 24.6 37.0



#39
Methylcyclohexane
Concen: 1.075 ug/l
RT: 9.157 min Scan# 1236
Delta R.T. -0.241 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

Tgt Ion: 83 Resp: 9485
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 190.3 39.4 59.2#

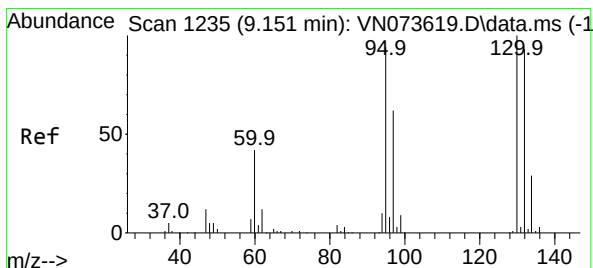
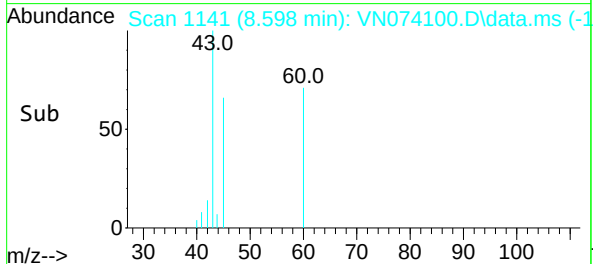
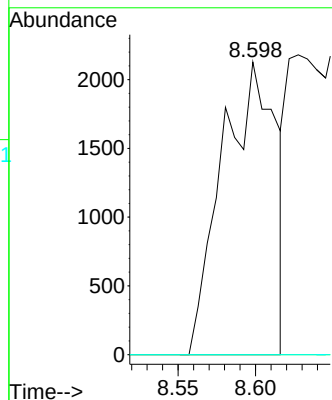
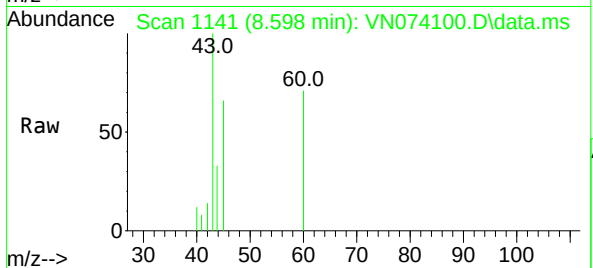




#43
Isopropyl Acetate
Concen: 0.421 ug/l
RT: 8.598 min Scan# 1123
Delta R.T. 0.106 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

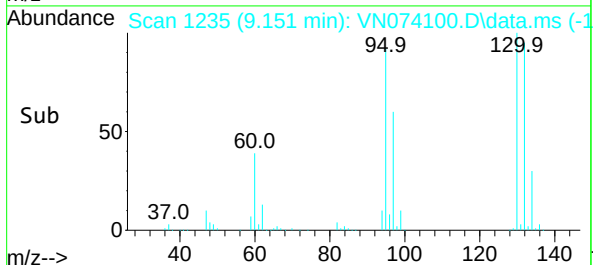
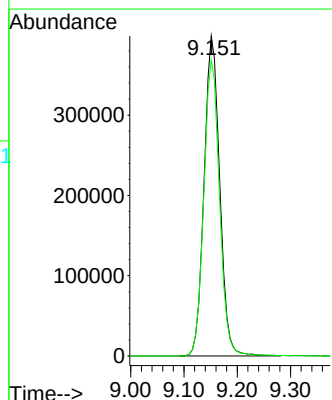
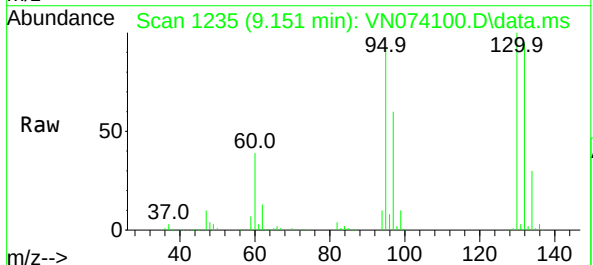
Instrument :
MSVOA_N
ClientSampleId :

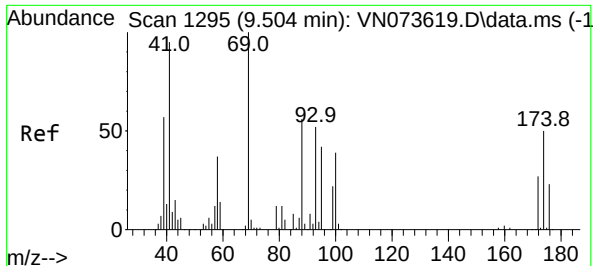
Tgt Ion: 43 Resp: 5118
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#44
Trichloroethene
Concen: 126.477 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

Tgt Ion:130 Resp: 811526
Ion Ratio Lower Upper
130 100
95 92.5 0.0 186.8





#49

1,4-Dioxane

Concen: 2.128 ug/l

RT: 9.504 min Scan# 1295

Delta R.T. 0.000 min

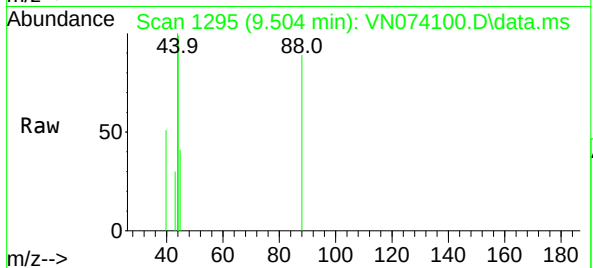
Lab File: VN074100.D

Acq: 24 Aug 2022 18:44

Instrument :

MSVOA_N

ClientSampleId :



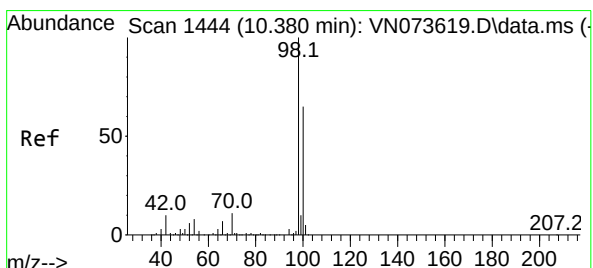
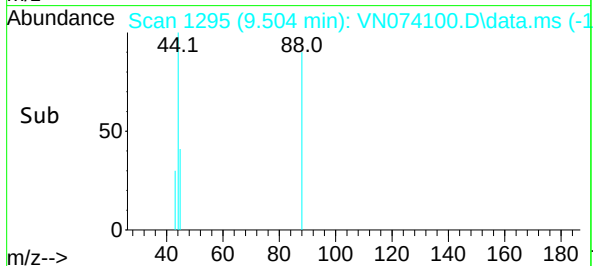
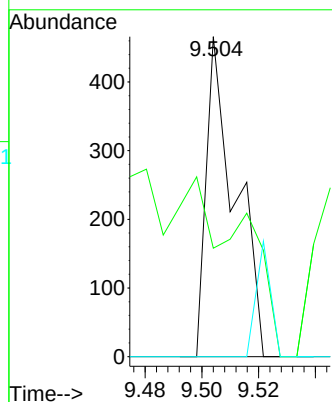
Tgt Ion: 88 Resp: 329

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.4#

58 17.9 54.2 81.4#



#50

Toluene-d8

Concen: 49.252 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074100.D

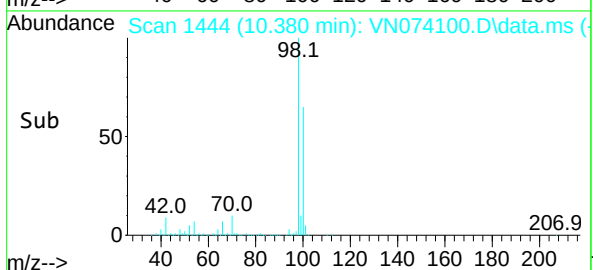
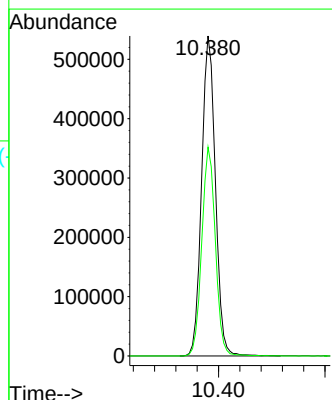
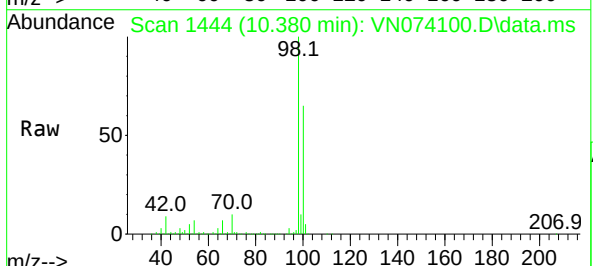
Acq: 24 Aug 2022 18:44

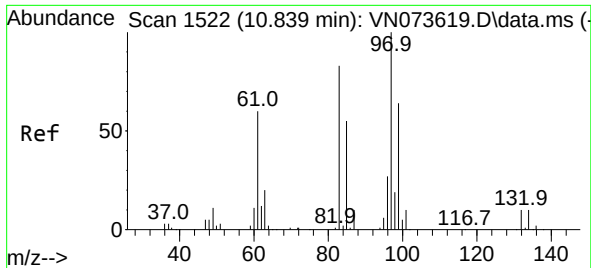
Tgt Ion: 98 Resp: 966639

Ion Ratio Lower Upper

98 100

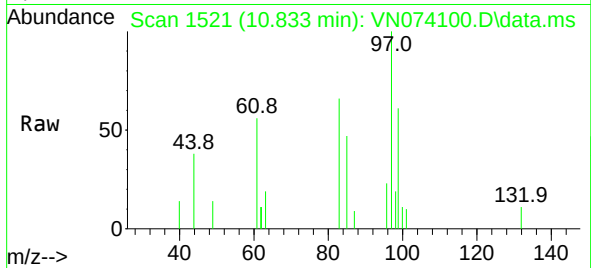
100 64.4 52.6 78.8



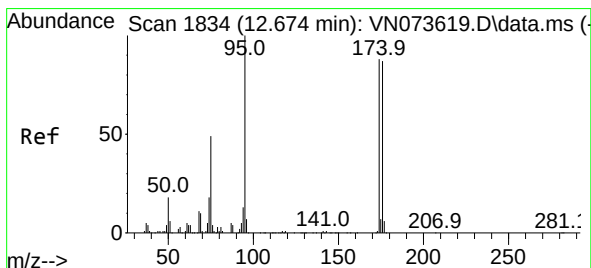
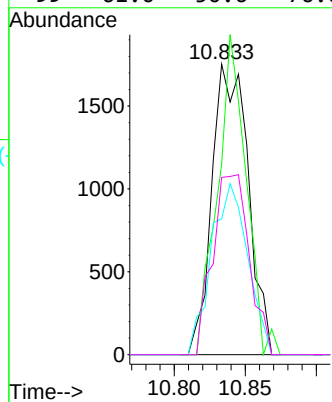
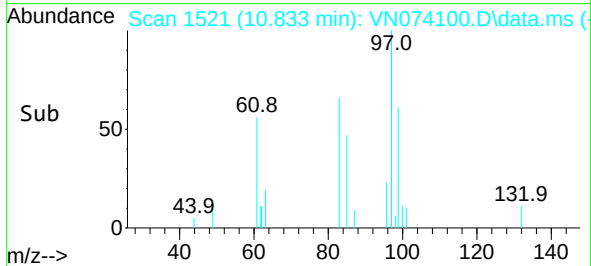


#55
 1,1,2-Trichloroethane
 Concen: 0.523 ug/l
 RT: 10.833 min Scan# 1522
 Delta R.T. -0.006 min
 Lab File: VN074100.D
 Acq: 24 Aug 2022 18:44

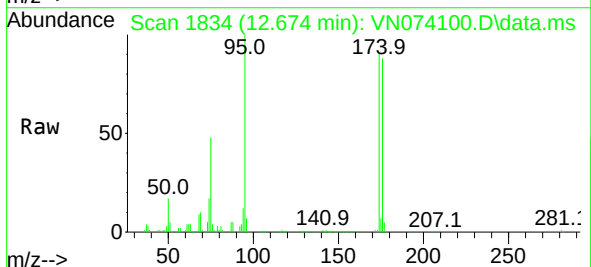
Instrument :
 MSVOA_N
 ClientSampleId :



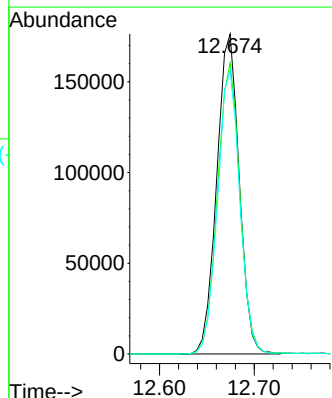
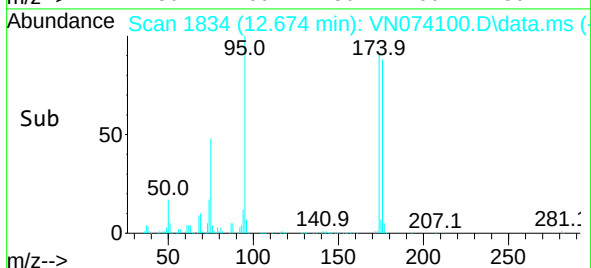
Tgt Ion: 97 Resp: 3102
 Ion Ratio Lower Upper
 97 100
 83 65.5 66.2 99.4#
 85 46.8 43.9 65.9
 99 61.0 50.6 76.0

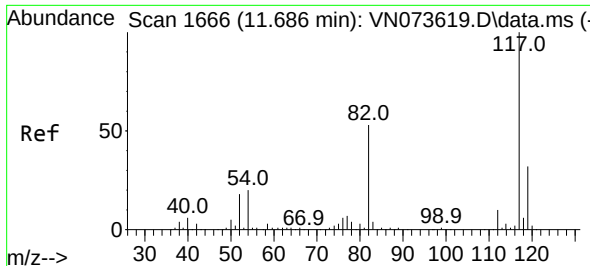


#62
 4-Bromofluorobenzene
 Concen: 44.695 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.000 min
 Lab File: VN074100.D
 Acq: 24 Aug 2022 18:44



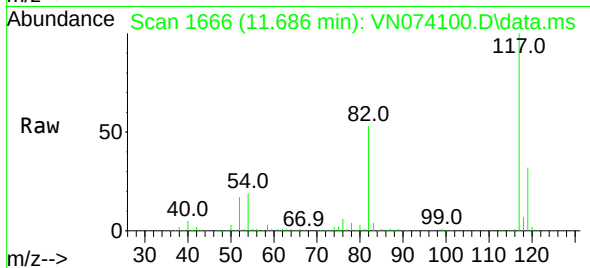
Tgt Ion: 95 Resp: 291126
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 167.6
 176 88.1 0.0 163.4



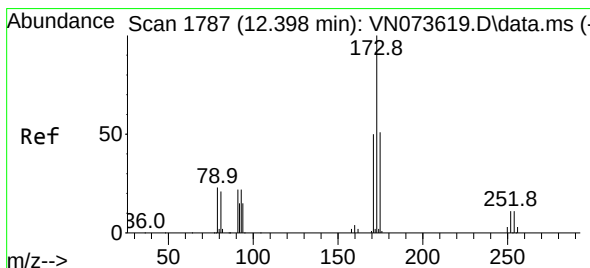
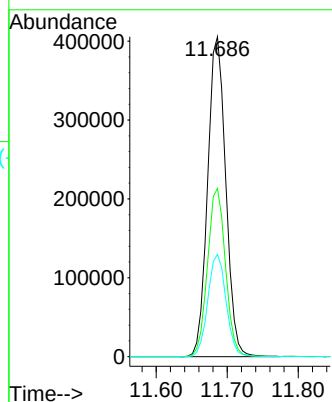


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

Instrument :
MSVOA_N
ClientSampleId :

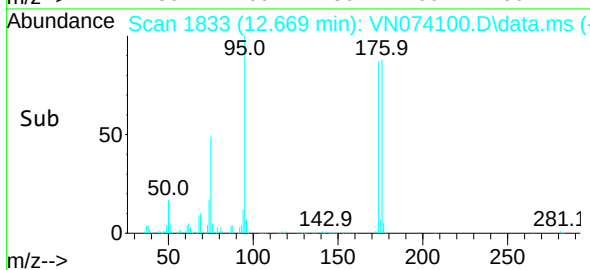
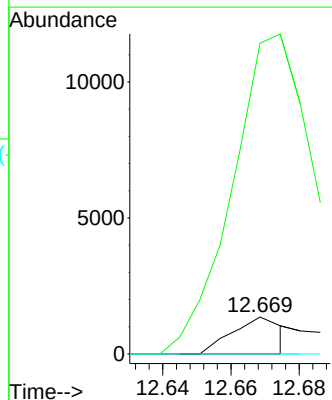
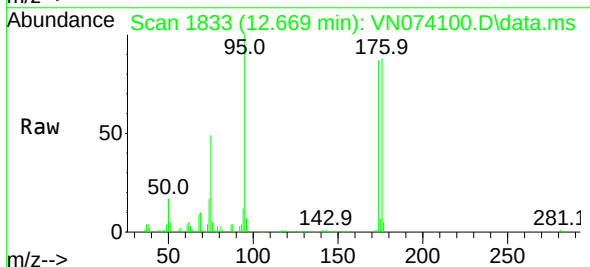


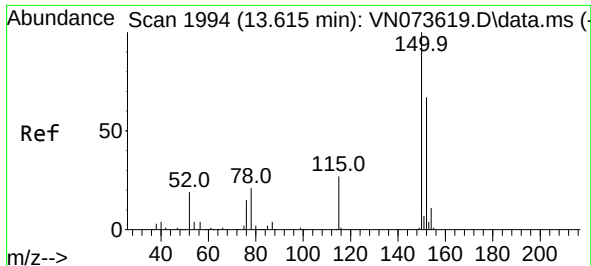
Tgt Ion:117 Resp: 718931
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 32.0 25.4 38.0



#71
Bromoform
Concen: 0.265 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074100.D
Acq: 24 Aug 2022 18:44

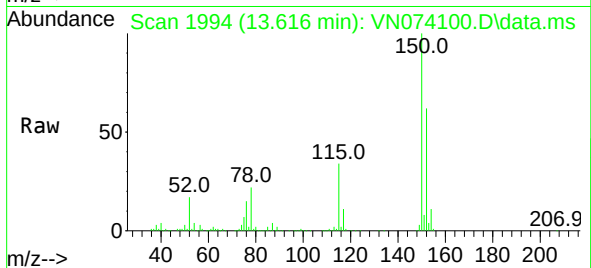
Tgt Ion:173 Resp: 1371
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



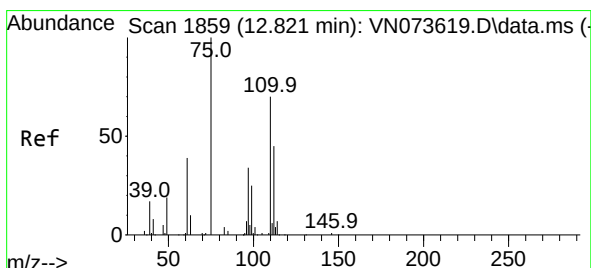
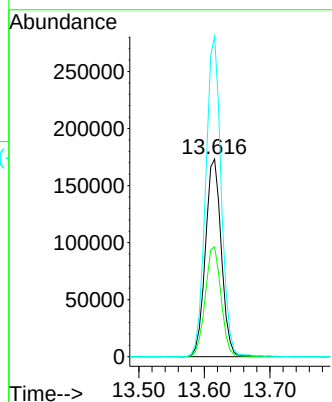
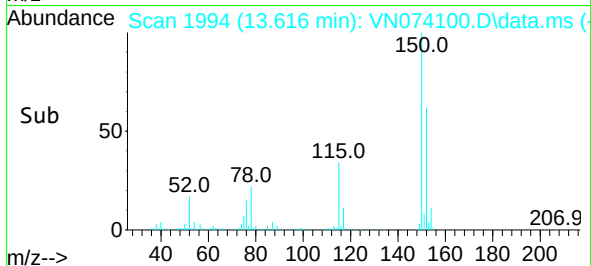


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074100.D
 Acq: 24 Aug 2022 18:44

Instrument :
 MSVOA_N
 ClientSampleId :

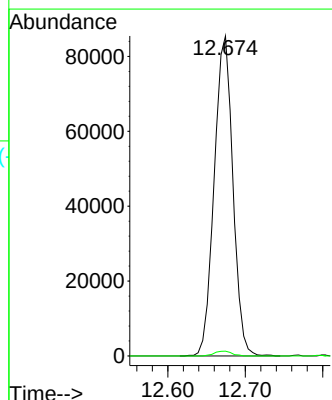
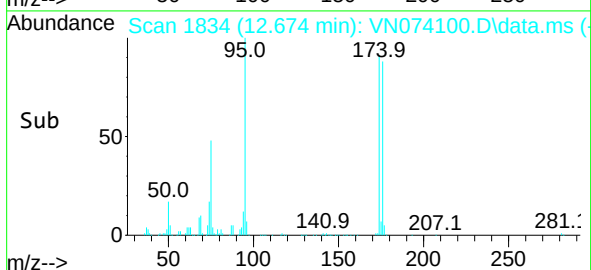
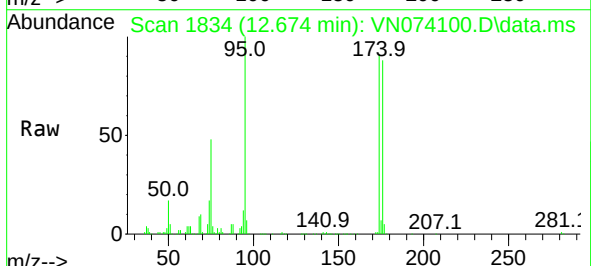


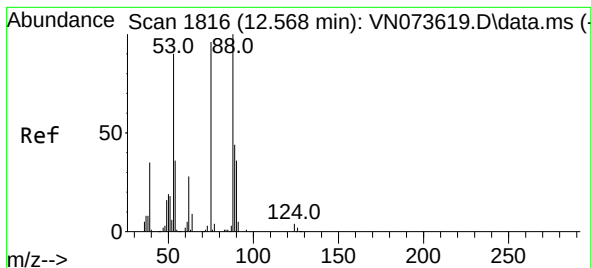
Tgt Ion:152 Resp: 292337
 Ion Ratio Lower Upper
 152 100
 115 55.5 28.9 86.7
 150 158.2 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.544 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074100.D
 Acq: 24 Aug 2022 18:44

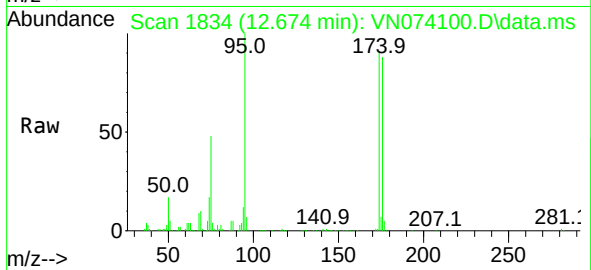
Tgt Ion: 75 Resp: 143055
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.962 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074100.D
 Acq: 24 Aug 2022 18:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 143055
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

