

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074222.D
 Acq On : 31 Aug 2022 18:27
 Operator : JC\MD
 Sample : N4428-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:28:44 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)

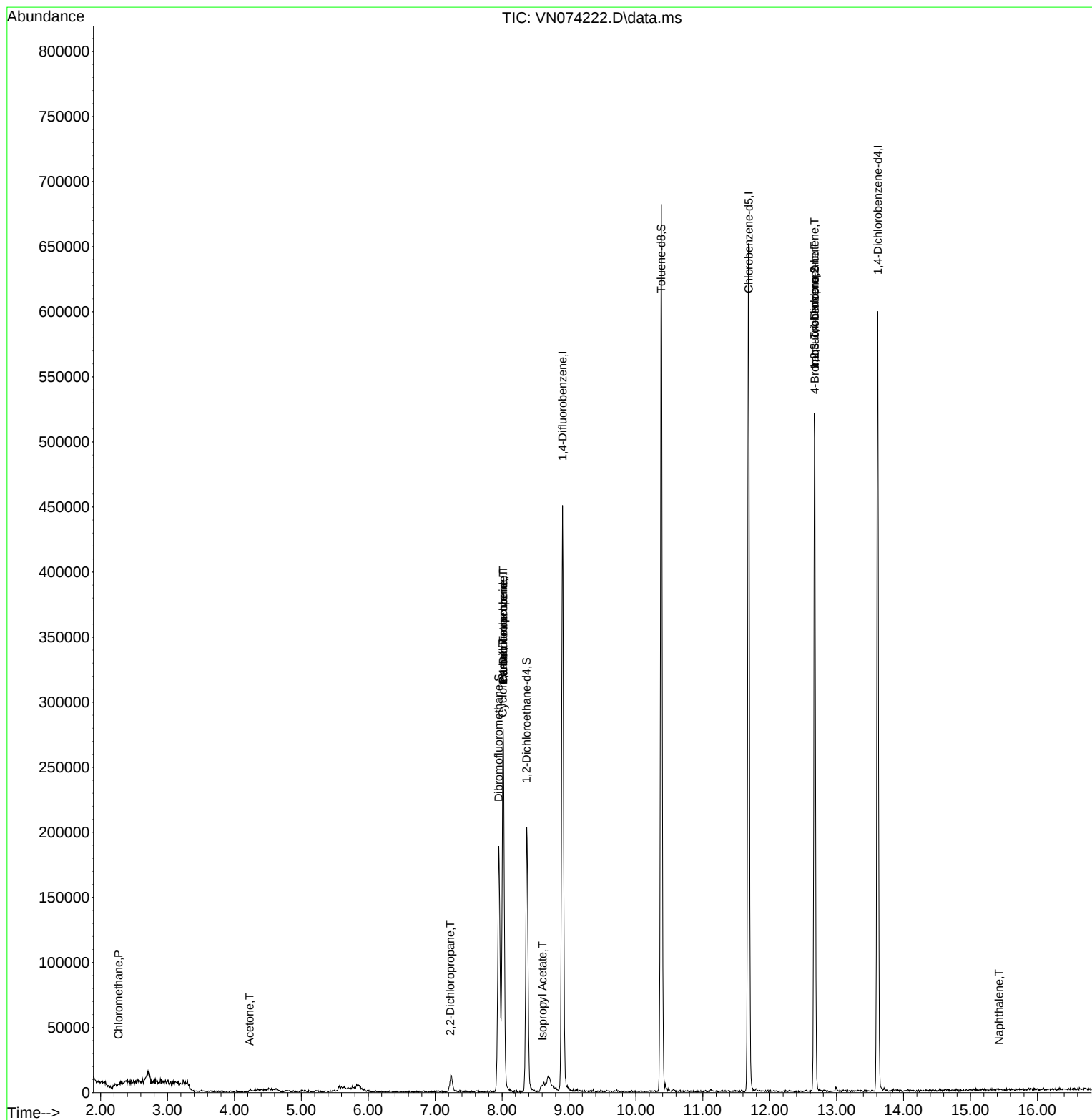
Internal Standards						
1) Pentafluorobenzene	8.016	168	193638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	355256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	339175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	146629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	155332	51.712	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.420%			
35) Dibromofluoromethane	7.951	113	128462	55.570	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.140%			
50) Toluene-d8	10.380	98	428593	47.078	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.160%			
62) 4-Bromofluorobenzene	12.674	95	159620	57.655	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.320%			
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	856	0.303	ug/l #	76
6) Chloroethane	2.952	64	993	Below Cal	#	83
11) Tert butyl alcohol	5.263	59	148	Below Cal	#	72
16) Acetone	4.228	43	1265	0.630	ug/l #	69
18) Methyl Acetate	4.793	43	1755	Below Cal	#	59
20) Methylene Chloride	5.010	84	544	Below Cal	#	23
26) 2,2-Dichloropropane	7.228	77	354	0.375	ug/l #	53
28) Bromochloromethane	7.340	49	55	Below Cal	#	8
31) Cyclohexane	8.010	56	6712	1.352	ug/l #	52
36) 1,1-Dichloropropene	8.016	75	20136	5.368	ug/l #	43
38) Carbon Tetrachloride	8.016	117	19725	5.792	ug/l #	15
43) Isopropyl Acetate	8.604	43	4428	0.525	ug/l #	53
76) 1,2,3-Trichloropropane	12.669	75	92283	25.354	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	92283	65.326	ug/l #	11
95) Naphthalene	15.427	128	120	1.162	ug/l #	69

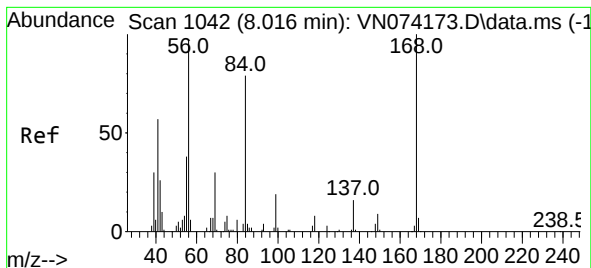
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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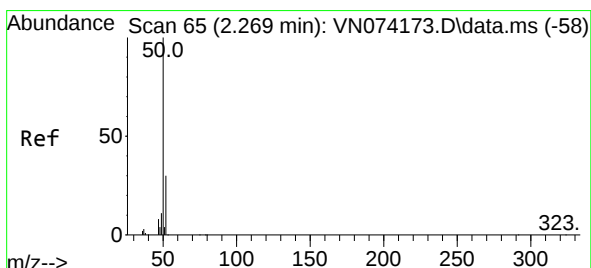
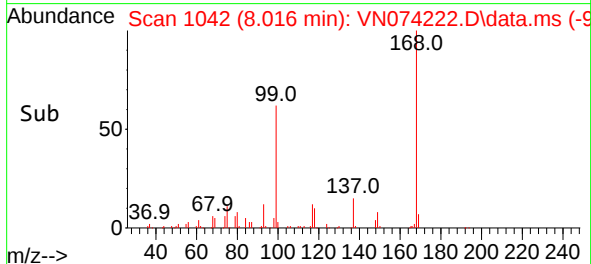
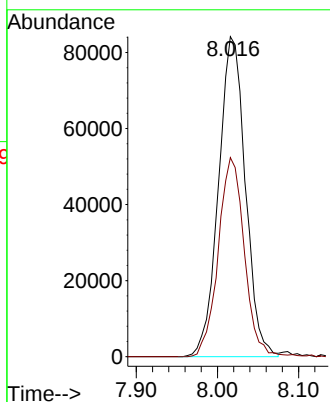
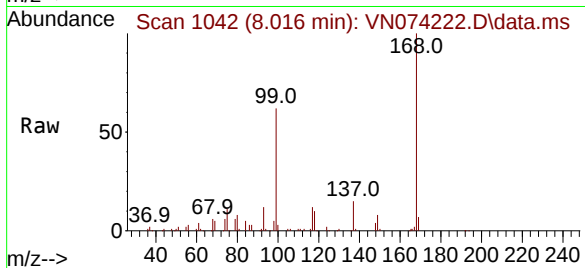




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

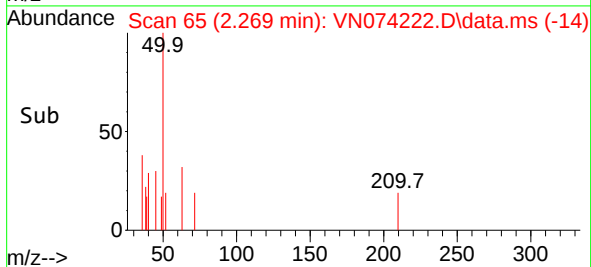
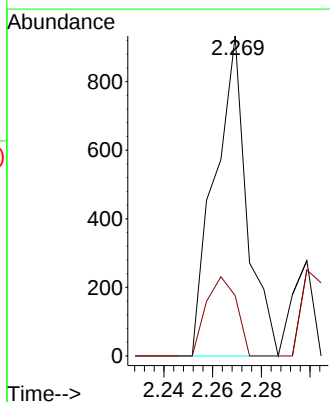
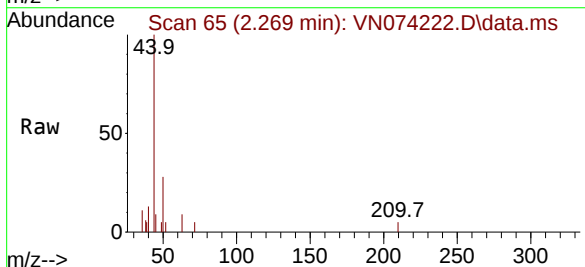
Instrument :
MSVOA_N
ClientSampleId :

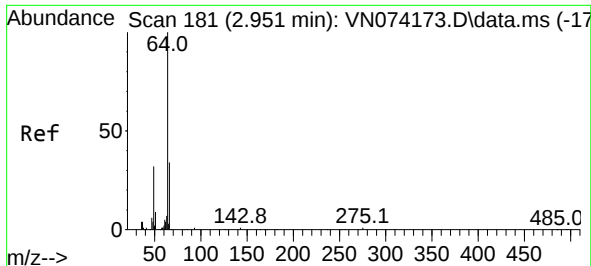
Tgt Ion:168 Resp: 193638
Ion Ratio Lower Upper
168 100
99 62.2 42.3 63.5



#3
Chloromethane
Concen: 0.303 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Tgt Ion: 50 Resp: 856
Ion Ratio Lower Upper
50 100
52 18.9 25.7 38.5#

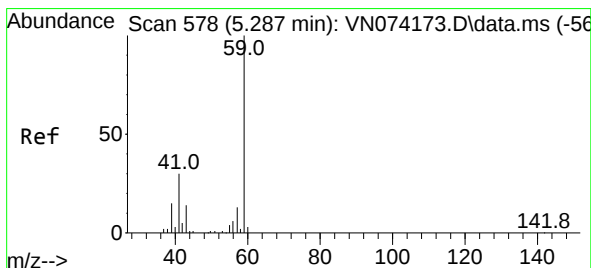
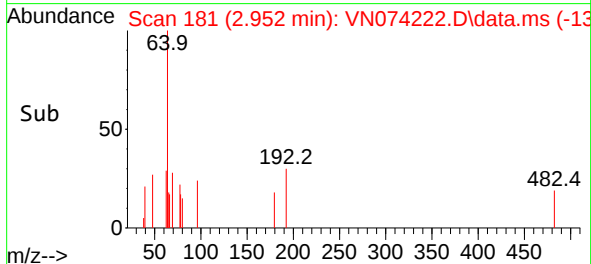
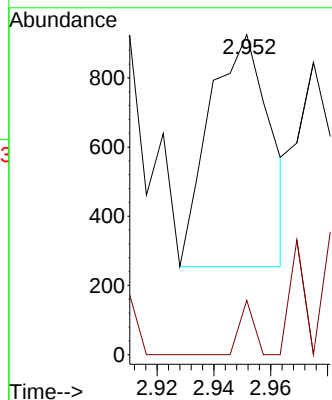
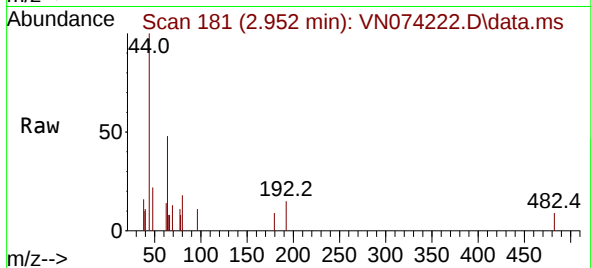




#6
Chloroethane
Concen: Below Cal
RT: 2.952 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

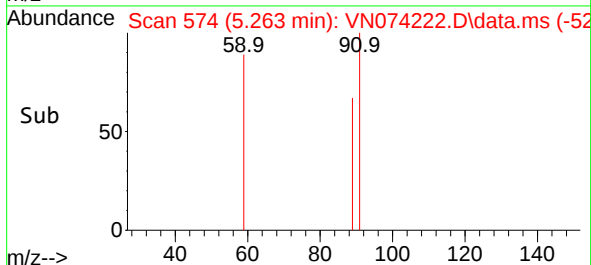
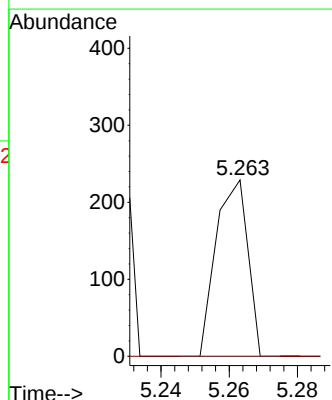
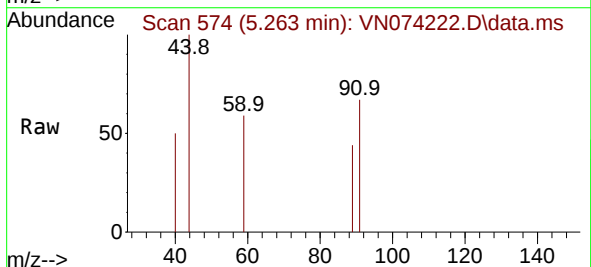
Instrument :
MSVOA_N
ClientSampleId :

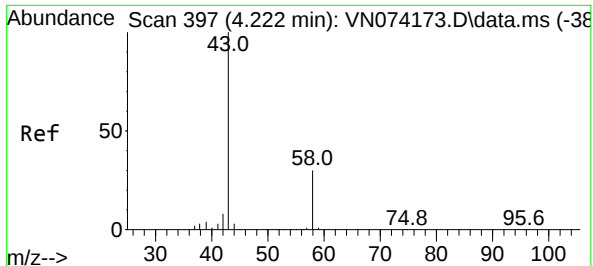
Tgt Ion: 64 Resp: 993
Ion Ratio Lower Upper
64 100
66 23.4 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.263 min Scan# 574
Delta R.T. -0.024 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Tgt Ion: 59 Resp: 148
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

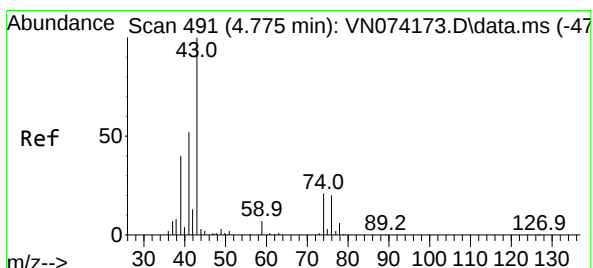
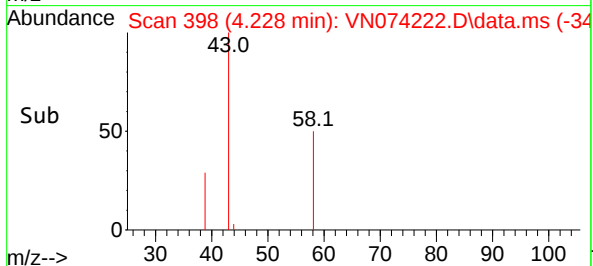
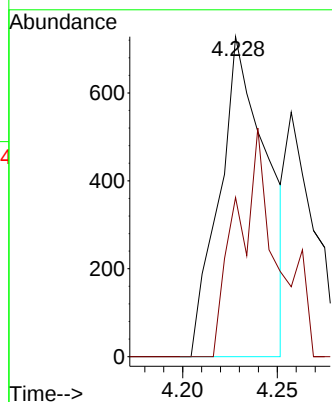
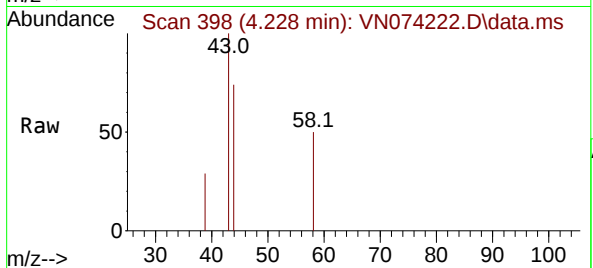




#16
Acetone
Concen: 0.630 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

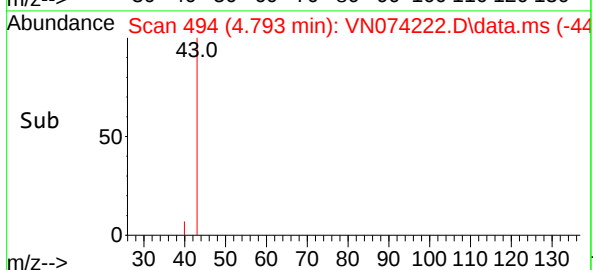
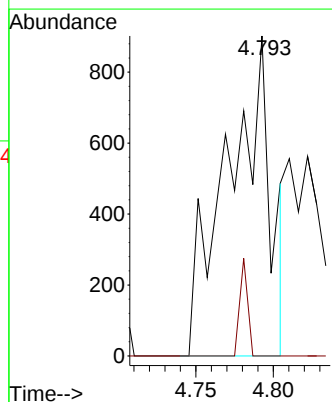
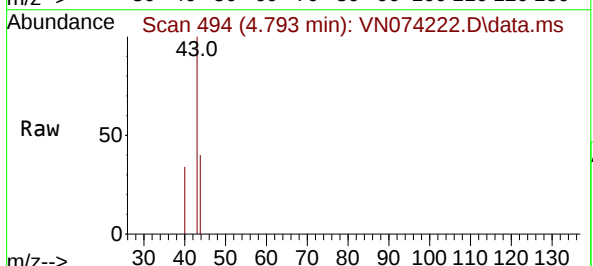
Instrument :
MSVOA_N
ClientSampleId :

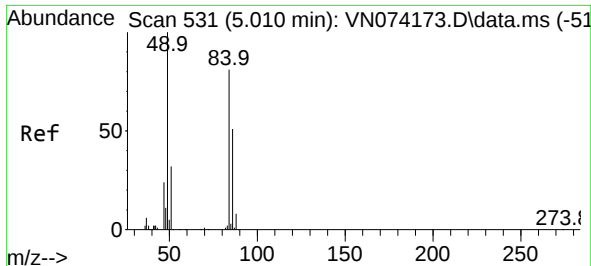
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 49.7 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

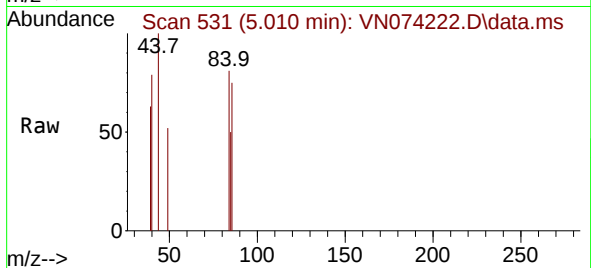
Tgt Ion: 43 Resp: 1755
Ion Ratio Lower Upper
43 100
74 5.5 21.6 32.4#



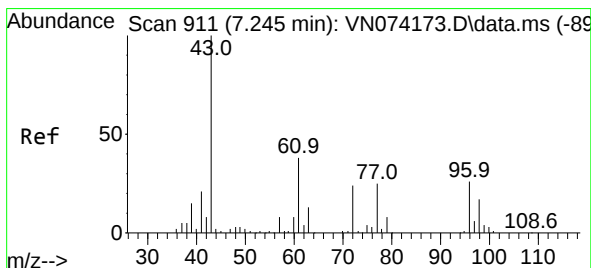
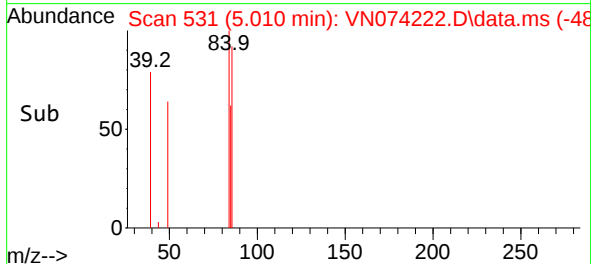
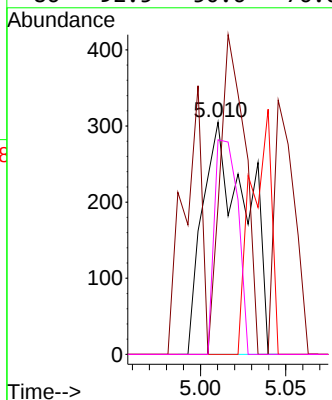


#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Instrument :
MSVOA_N
ClientSampleId :

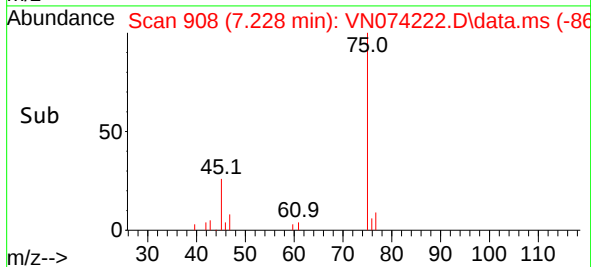
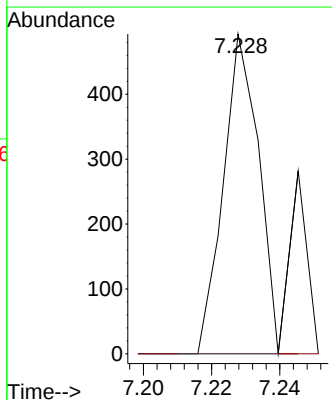
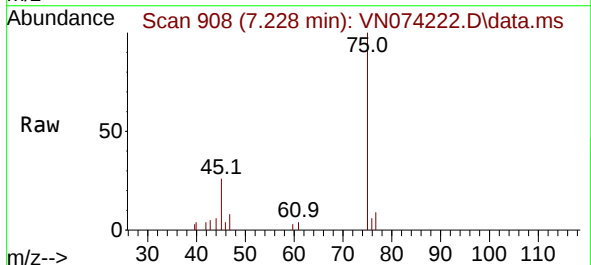


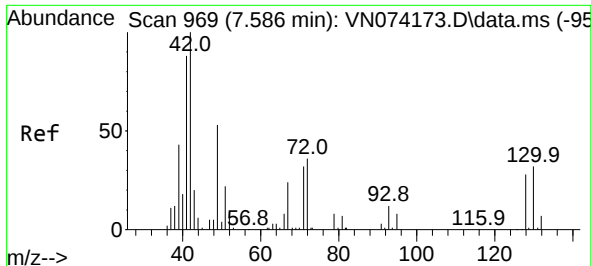
Tgt Ion:	84	Resp:	544
Ion	Ratio	Lower	Upper
84	100		
49	0.0	88.3	132.5#
51	0.0	28.2	42.2#
86	92.5	50.6	76.0#



#26
2,2-Dichloropropane
Concen: 0.375 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.017 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

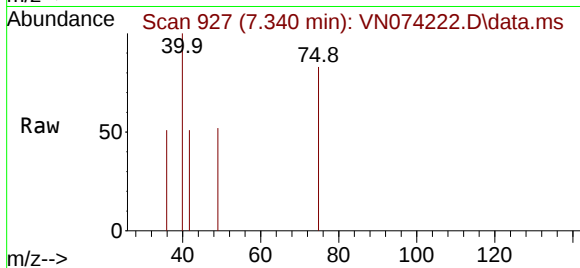
Tgt Ion:	77	Resp:	354
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.4	34.2#



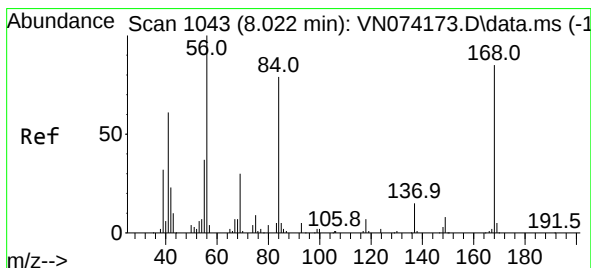
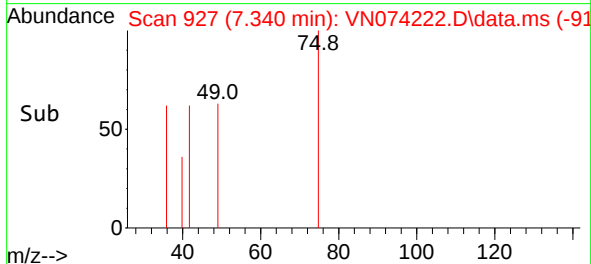
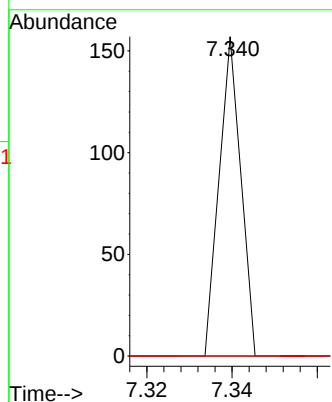


#28
Bromochloromethane
Concen: Below Cal
RT: 7.340 min Scan# 91
Delta R.T. -0.246 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Instrument :
MSVOA_N
ClientSampleId :

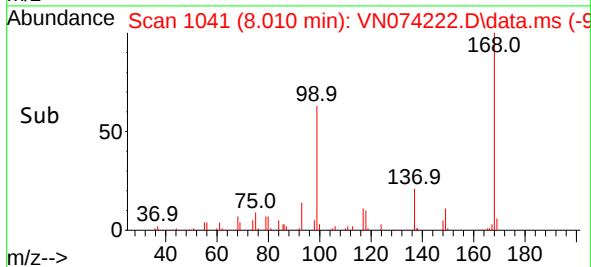
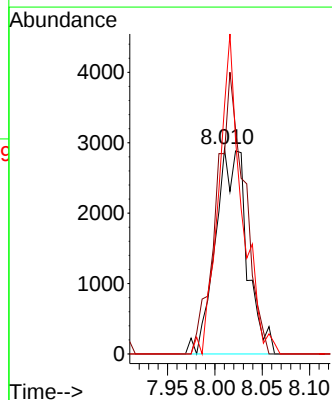
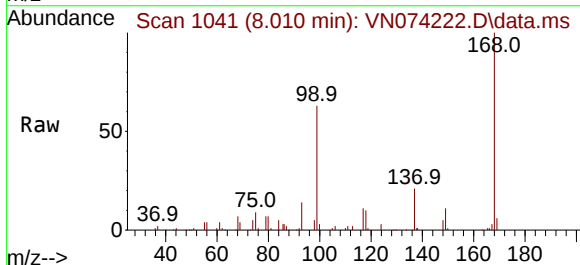


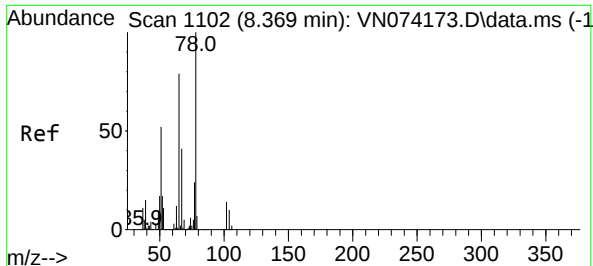
Tgt Ion: 49 Resp: 55
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#31
Cyclohexane
Concen: 1.352 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Tgt Ion: 56 Resp: 6712
Ion Ratio Lower Upper
56 100
69 97.7 27.8 41.8#
84 121.1 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 51.712 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074222.D

Acq: 31 Aug 2022 18:27

Instrument :

MSVOA_N

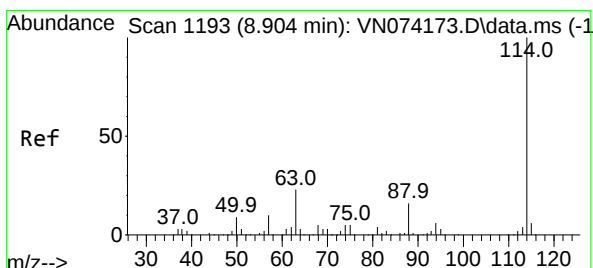
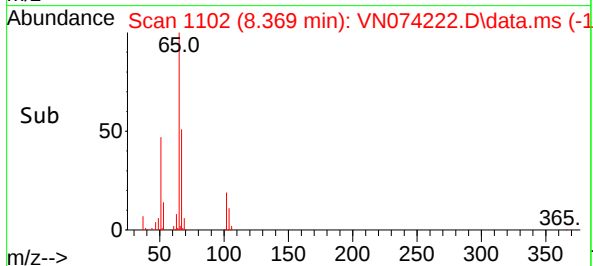
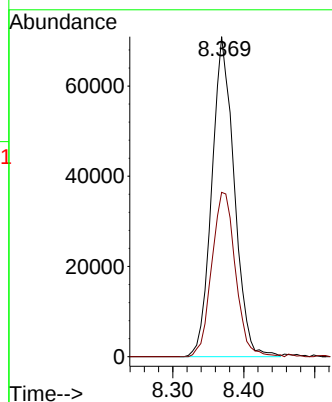
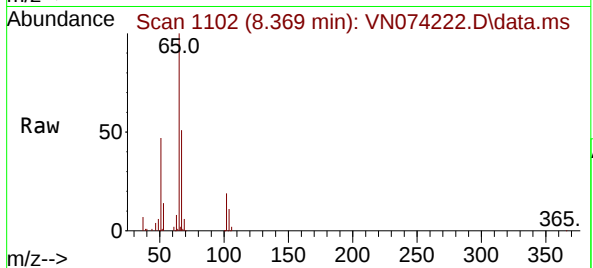
ClientSampleId :

Tgt Ion: 65 Resp: 155332

Ion Ratio Lower Upper

65 100

67 54.4 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: VN074222.D

Acq: 31 Aug 2022 18:27

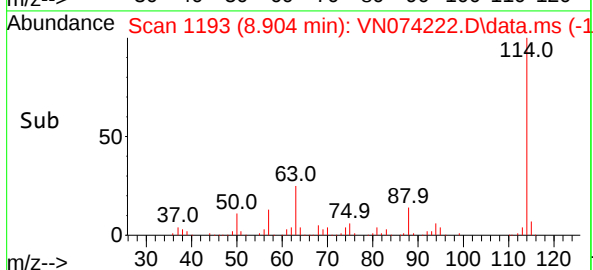
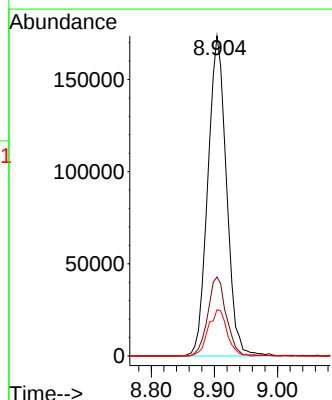
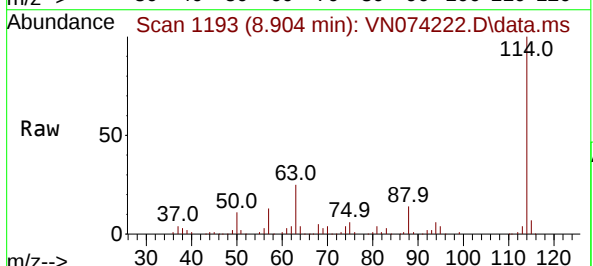
Tgt Ion: 114 Resp: 355256

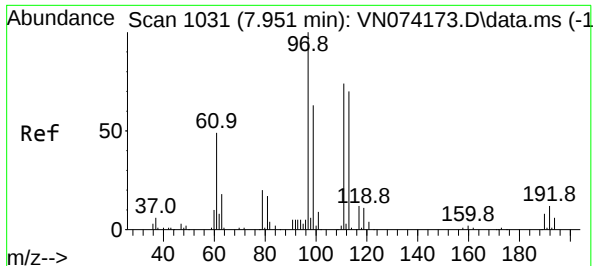
Ion Ratio Lower Upper

114 100

63 24.7 0.0 40.0

88 14.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.570 ug/l

RT: 7.951 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VN074222.D

Acq: 31 Aug 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

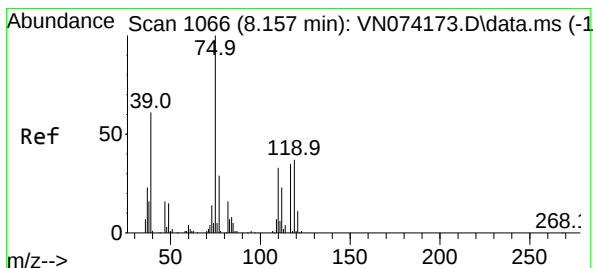
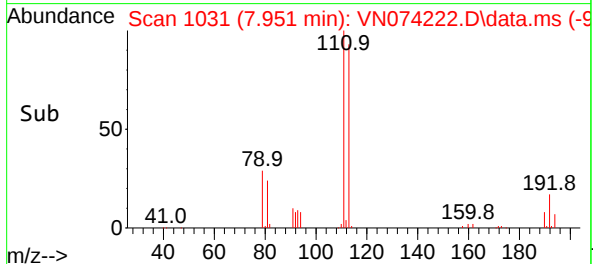
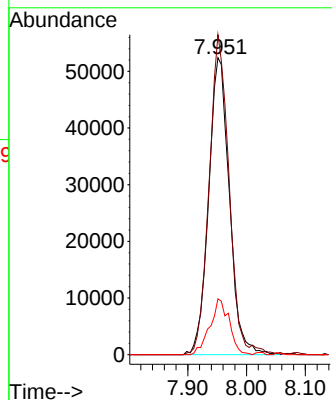
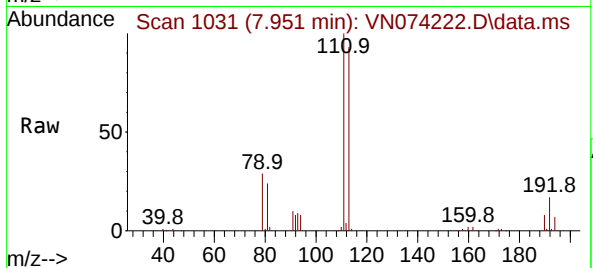
Tgt Ion:113 Resp: 128462

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 17.5 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.368 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074222.D

Acq: 31 Aug 2022 18:27

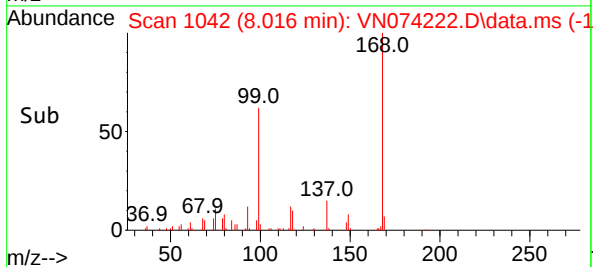
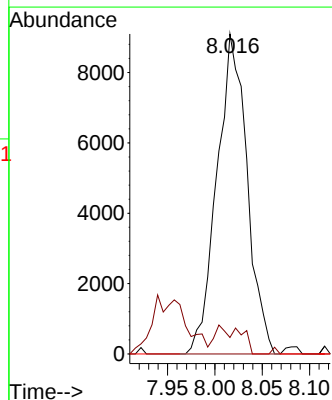
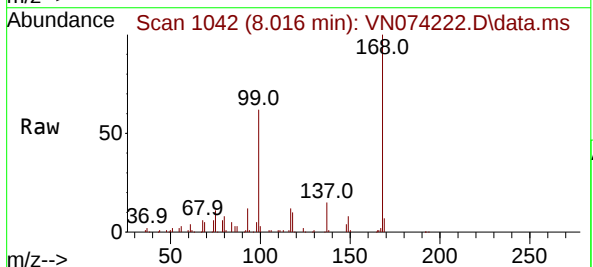
Tgt Ion: 75 Resp: 20136

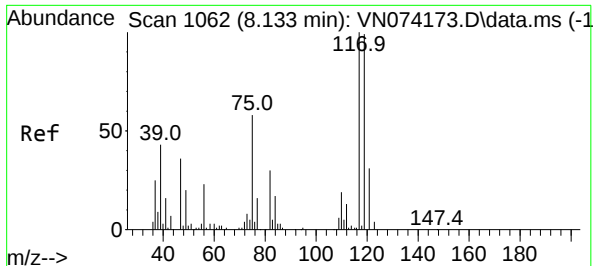
Ion Ratio Lower Upper

75 100

110 2.8 18.3 54.8#

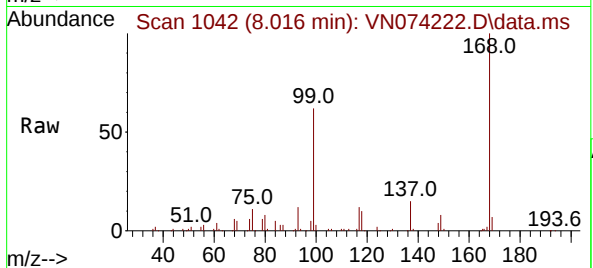
77 0.0 25.1 37.7#



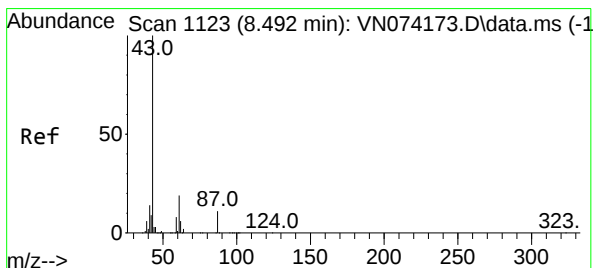
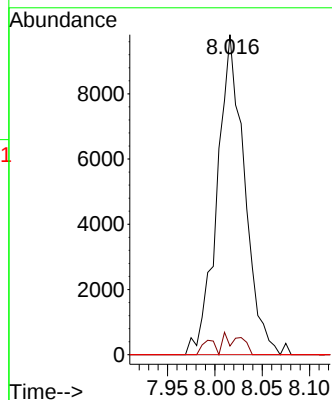
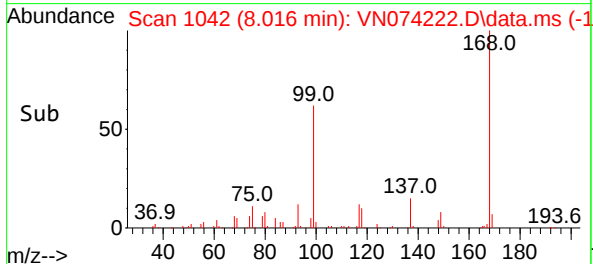


#38
Carbon Tetrachloride
Concen: 5.792 ug/l
RT: 8.016 min Scan# 1142
Delta R.T. -0.117 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Instrument :
MSVOA_N
ClientSampleId :

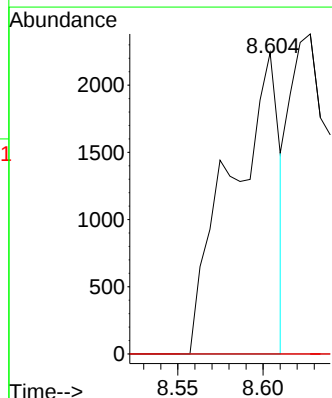
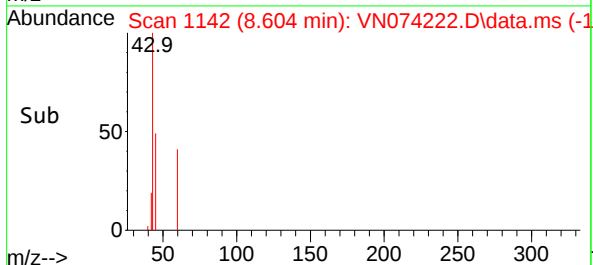
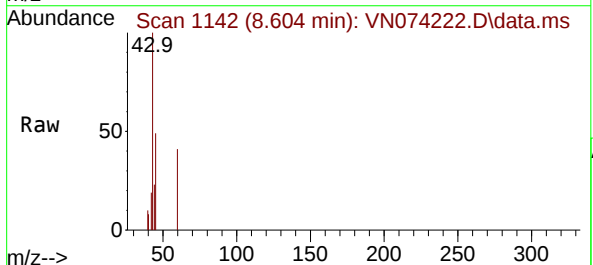


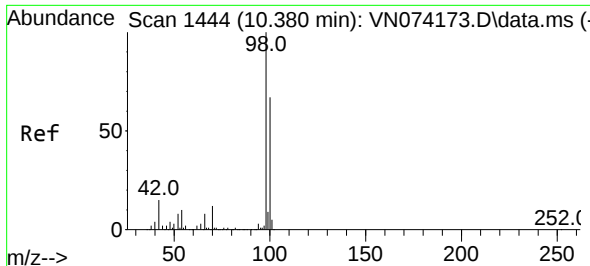
Tgt Ion:117 Resp: 19725
Ion Ratio Lower Upper
117 100
119 2.7 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.525 ug/l
RT: 8.604 min Scan# 1142
Delta R.T. 0.112 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Tgt Ion: 43 Resp: 4428
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

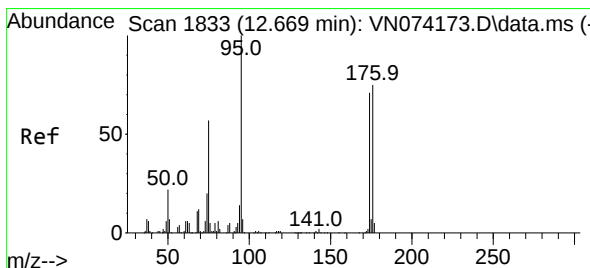
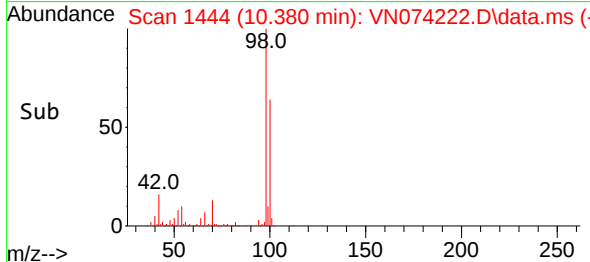
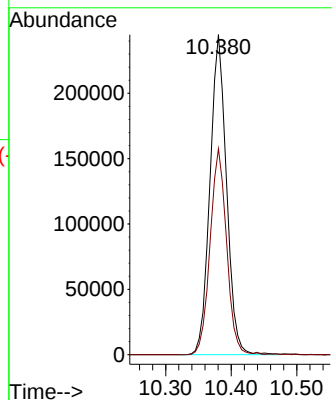
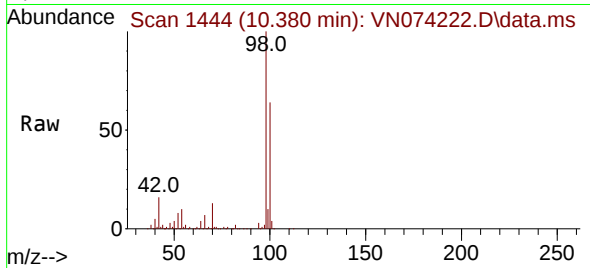




#50
Toluene-d8
Concen: 47.078 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

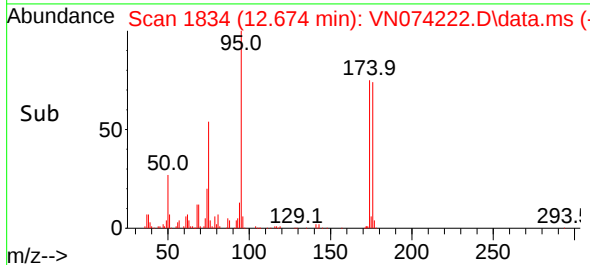
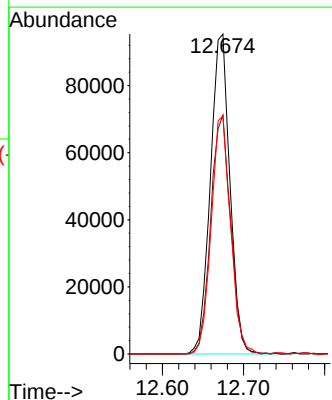
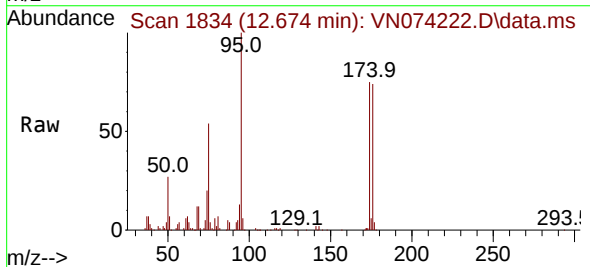
Instrument :
MSVOA_N
ClientSampleId :

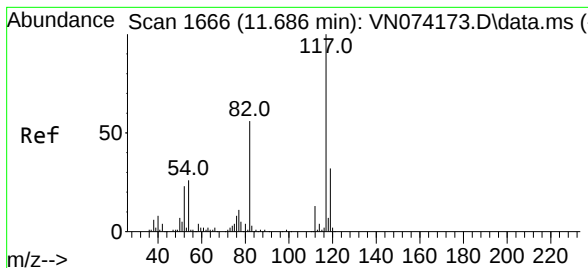
Tgt Ion: 98 Resp: 428593
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 57.655 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

Tgt Ion: 95 Resp: 159620
Ion Ratio Lower Upper
95 100
174 76.1 0.0 167.6
176 73.4 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: VN074222.D

Acq: 31 Aug 2022 18:27

Instrument :

MSVOA_N

ClientSampleId :

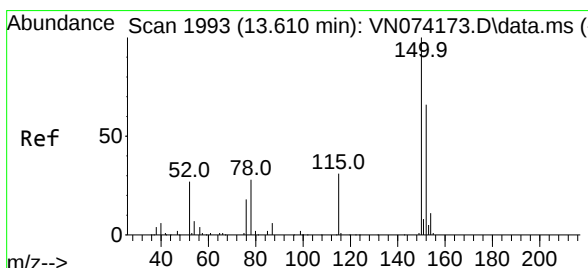
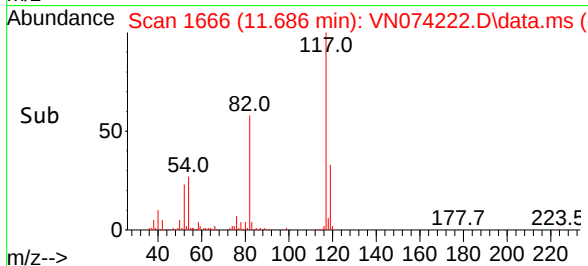
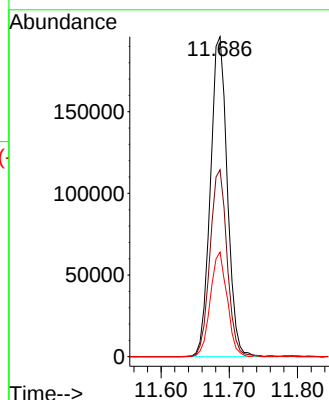
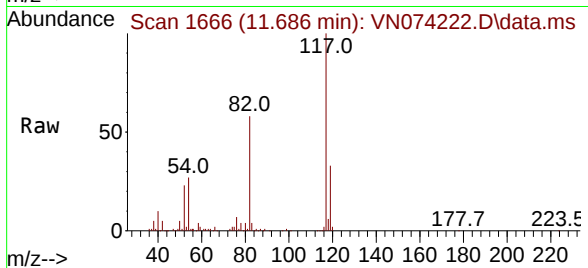
Tgt Ion:117 Resp: 339175

Ion Ratio Lower Upper

117 100

82 58.4 44.2 66.2

119 32.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VN074222.D

Acq: 31 Aug 2022 18:27

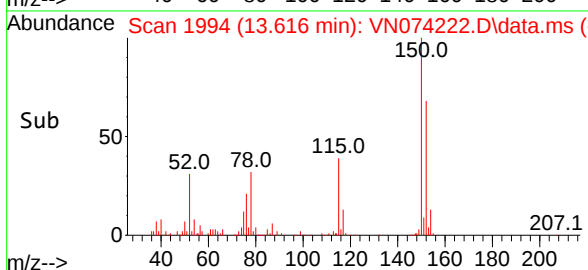
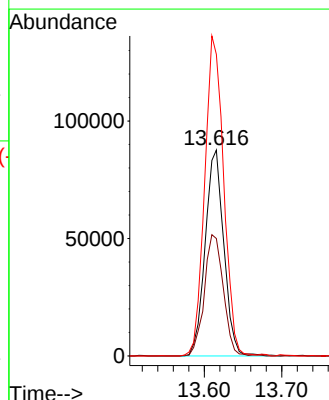
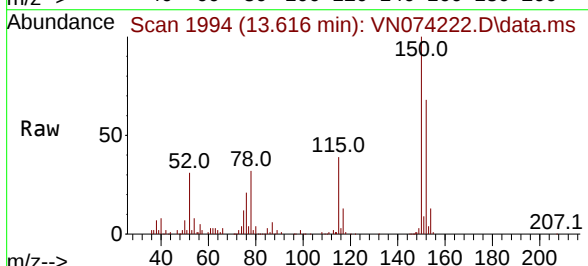
Tgt Ion:152 Resp: 146629

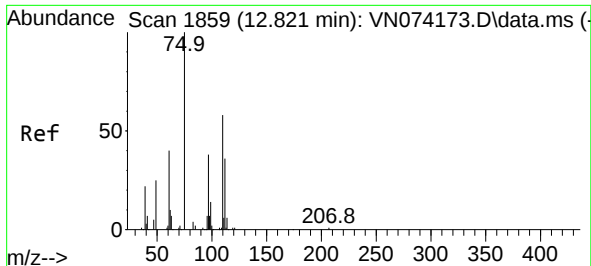
Ion Ratio Lower Upper

152 100

115 60.0 28.9 86.7

150 157.8 0.0 356.2

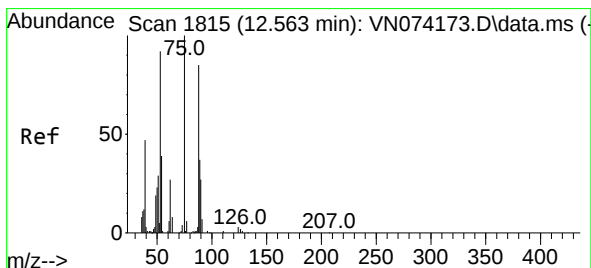
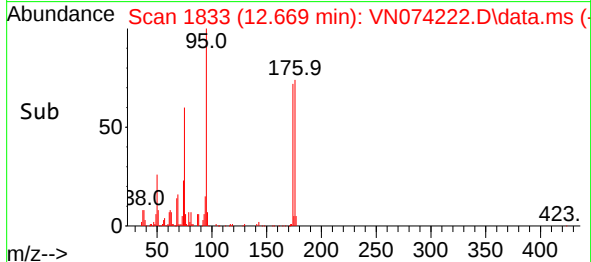
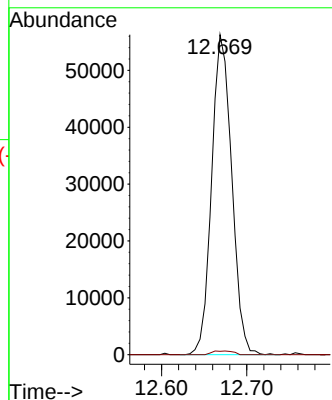
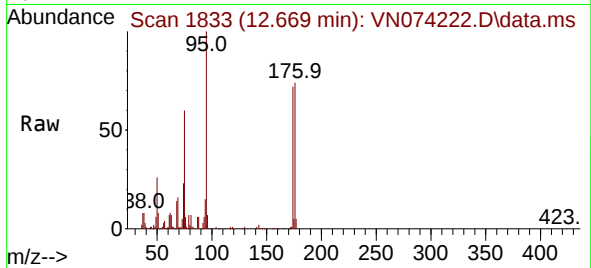




#76
1,2,3-Trichloropropane
Concen: 25.354 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

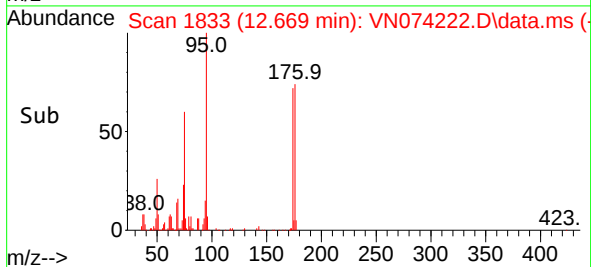
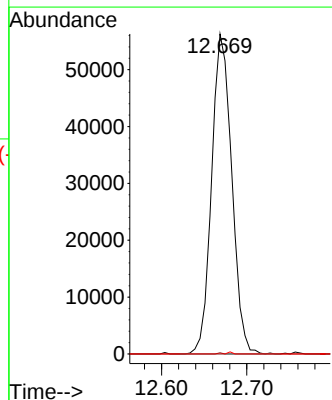
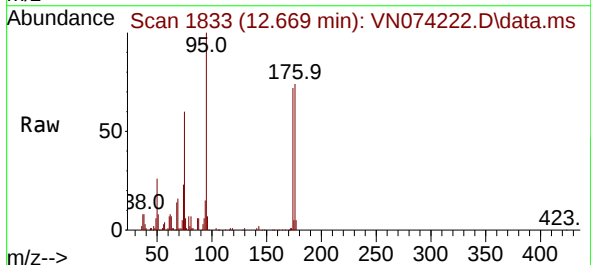
Instrument :
MSVOA_N
ClientSampleId :

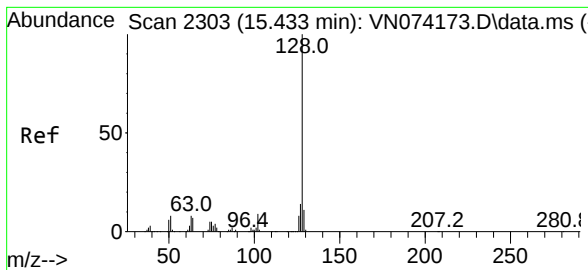
Tgt Ion: 75 Resp: 92283
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.326 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074222.D
Acq: 31 Aug 2022 18:27

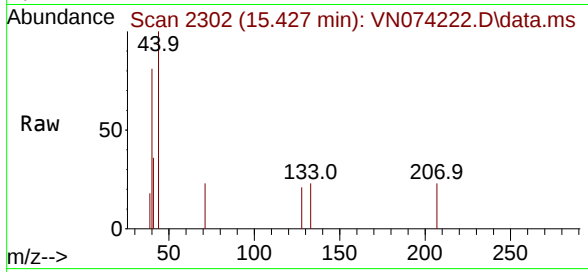
Tgt Ion: 75 Resp: 92283
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#





#95
 Naphthalene
 Concen: 1.162 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074222.D
 Acq: 31 Aug 2022 18:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	120
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

