

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074220.D
 Acq On : 31 Aug 2022 17:37
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:28:03 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)

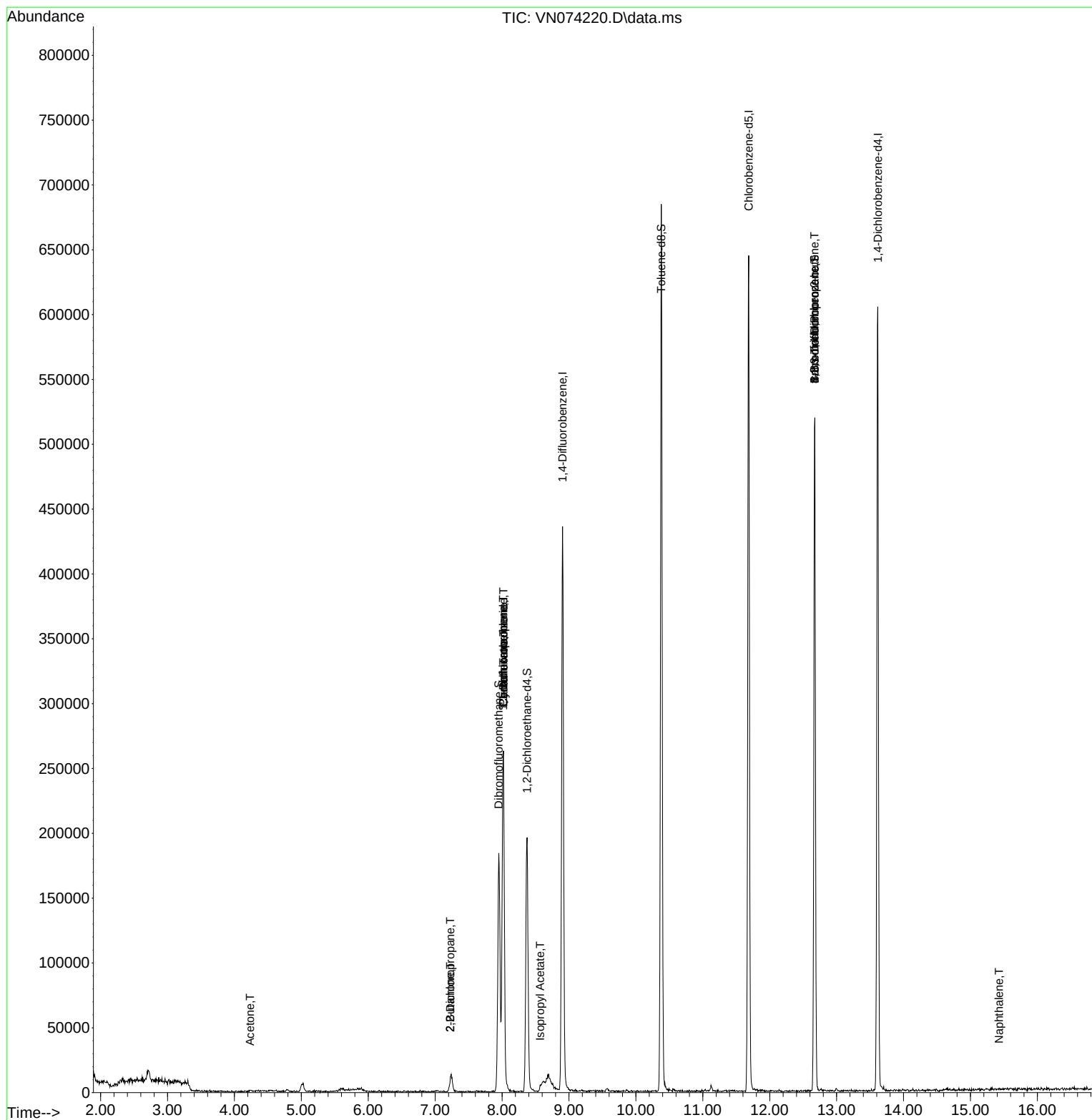
Internal Standards						
1) Pentafluorobenzene	8.022	168	186248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	355076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	341519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	148441	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	157671	54.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.140%			
35) Dibromofluoromethane	7.951	113	126266	54.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.300%			
50) Toluene-d8	10.380	98	428281	47.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.140%			
62) 4-Bromofluorobenzene	12.668	95	160187	57.889	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.780%			
Target Compounds						
					Qvalue	
6) Chloroethane	2.969	64	919	Below Cal	#	42
11) Tert butyl alcohol	5.257	59	130	Below Cal	#	72
16) Acetone	4.234	43	1377	0.713	ug/l	96
18) Methyl Acetate	4.787	43	2634	Below Cal	#	68
20) Methylene Chloride	5.022	84	4242	Below Cal	#	78
25) 2-Butanone	7.228	43	1015	0.329	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	629	0.466	ug/l #	53
31) Cyclohexane	8.022	56	6543	1.371	ug/l #	10
36) 1,1-Dichloropropene	8.016	75	18142	4.839	ug/l #	51
38) Carbon Tetrachloride	8.022	117	19207	5.643	ug/l #	12
43) Isopropyl Acetate	8.569	43	3224	0.383	ug/l #	53
71) Bromoform	12.668	173	1815	0.784	ug/l #	28
76) 1,2,3-Trichloropropane	12.668	75	94125	25.561	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	94125	65.817	ug/l #	11
95) Naphthalene	15.427	128	560	1.200	ug/l #	69

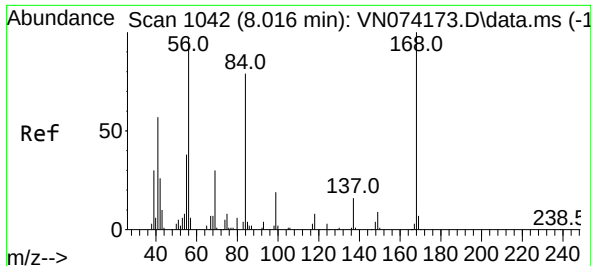
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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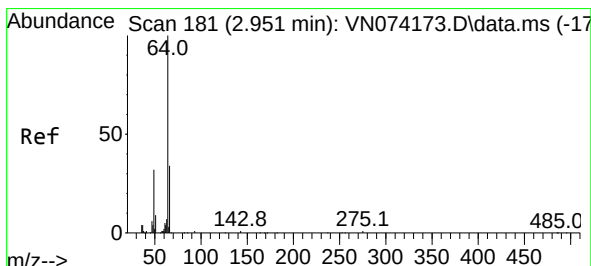
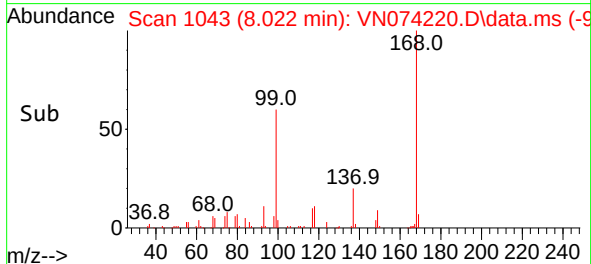
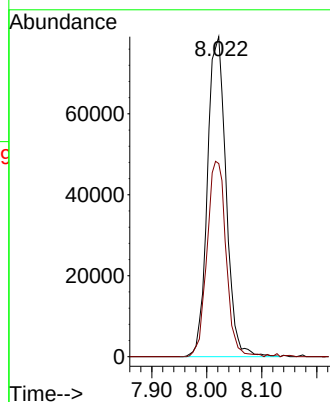
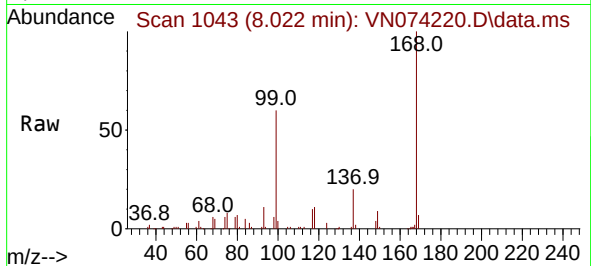




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

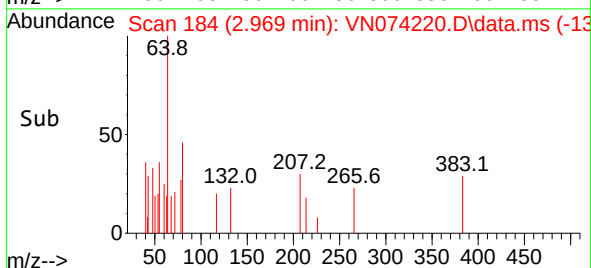
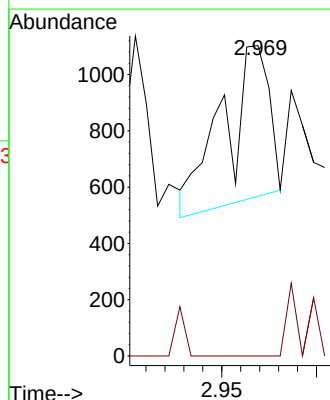
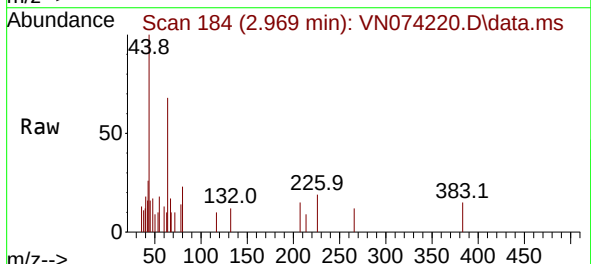
Instrument :
MSVOA_N
ClientSampleId :

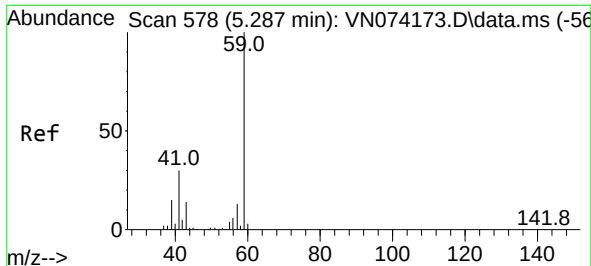
Tgt Ion:168 Resp: 186248
Ion Ratio Lower Upper
168 100
99 60.4 42.3 63.5



#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 184
Delta R.T. 0.018 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

Tgt Ion: 64 Resp: 919
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.257 min Scan# 51

Delta R.T. -0.030 min

Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

Instrument :

MSVOA_N

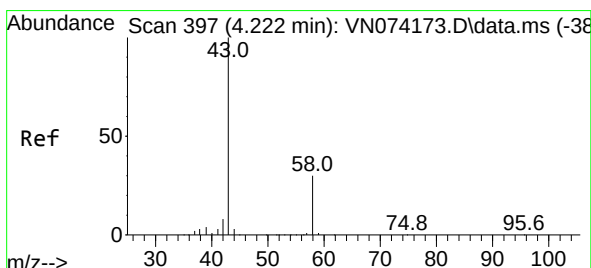
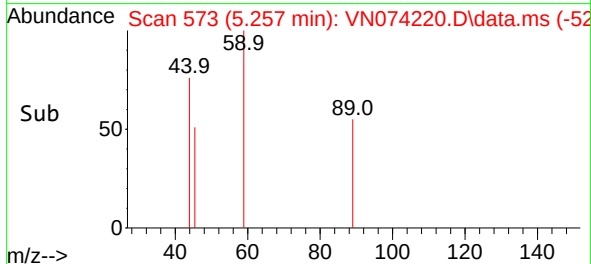
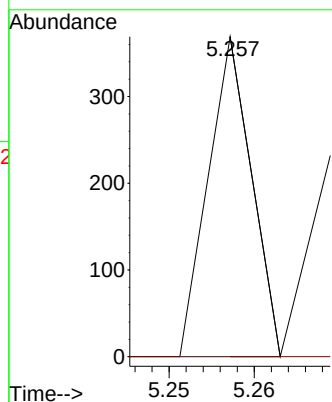
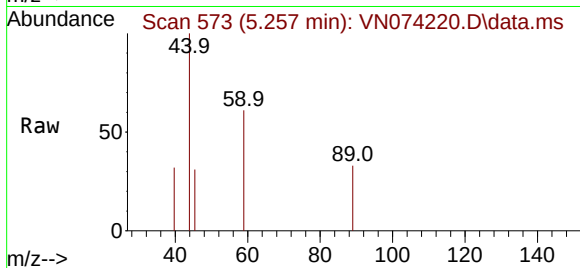
ClientSampleId :

Tgt Ion: 59 Resp: 130

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.713 ug/l

RT: 4.234 min Scan# 399

Delta R.T. 0.012 min

Lab File: VN074220.D

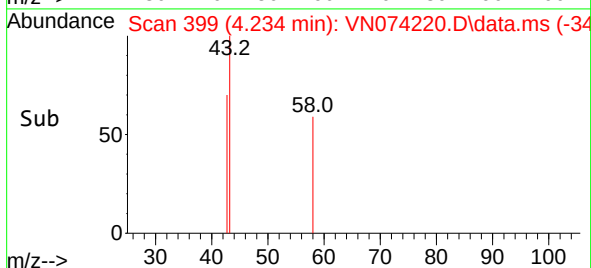
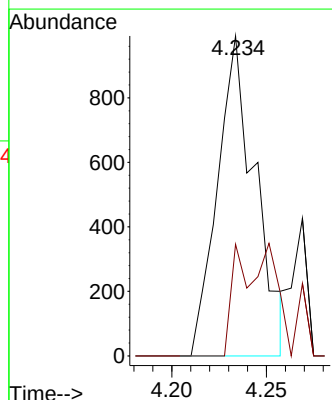
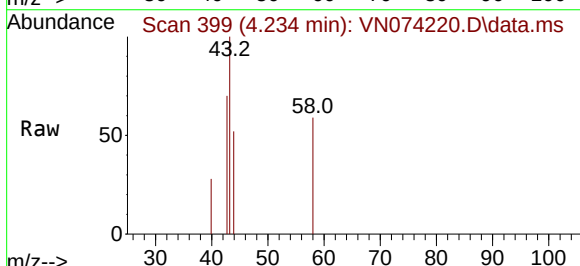
Acq: 31 Aug 2022 17:37

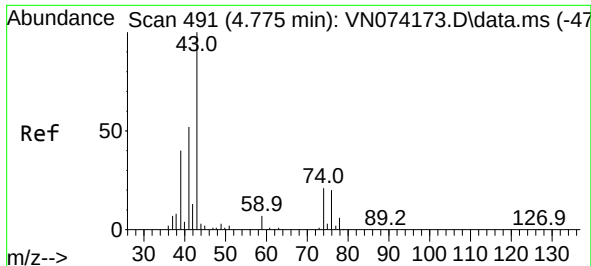
Tgt Ion: 43 Resp: 1377

Ion Ratio Lower Upper

43 100

58 34.9 26.0 39.0

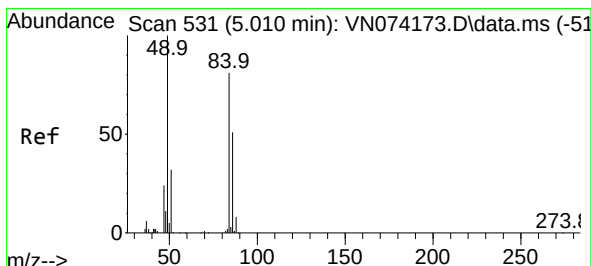
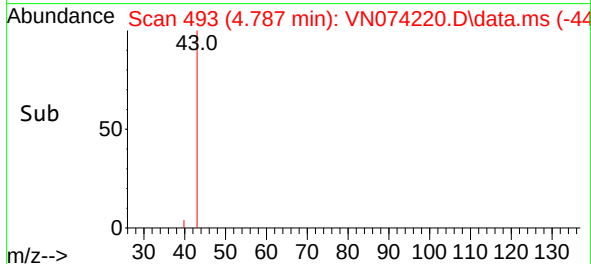
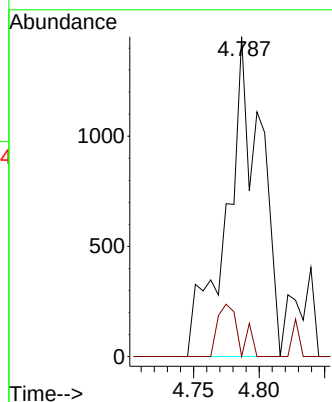
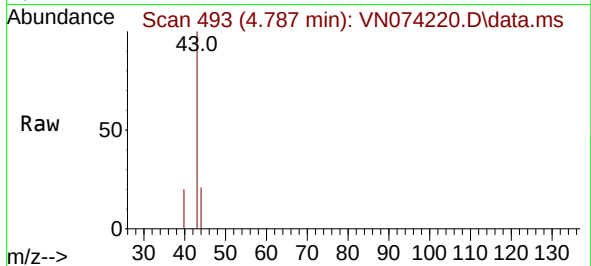




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

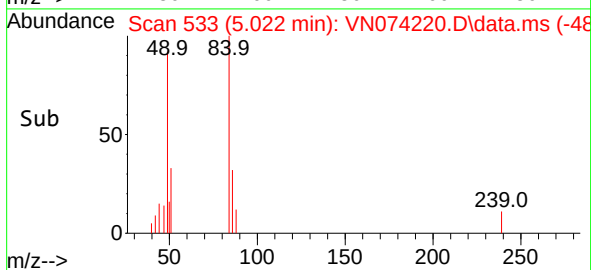
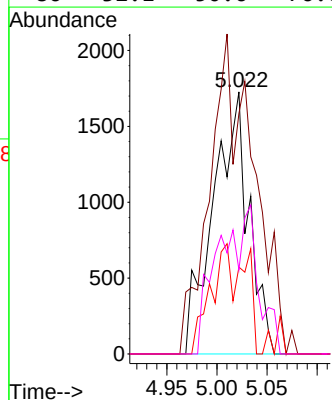
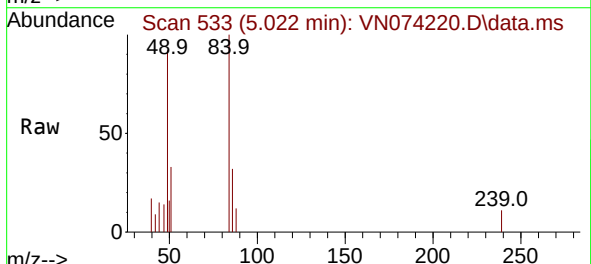
Instrument :
MSVOA_N
ClientSampleId :

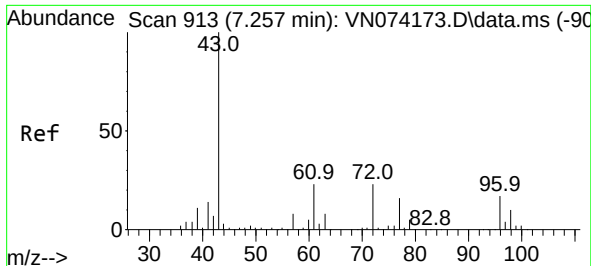
Tgt Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
74 10.4 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

Tgt Ion: 84 Resp: 4242
Ion Ratio Lower Upper
84 100
49 91.8 88.3 132.5
51 33.2 28.2 42.2
86 32.1 50.6 76.0#





#25

2-Butanone

Concen: 0.329 ug/l

RT: 7.228 min Scan# 908

Delta R.T. -0.029 min

Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

Instrument :

MSVOA_N

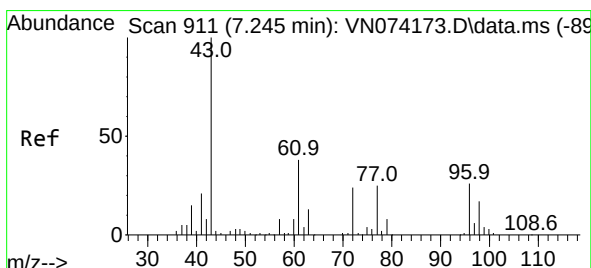
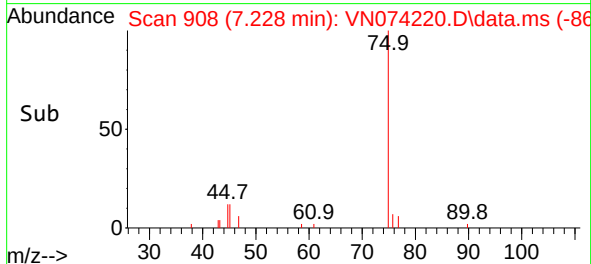
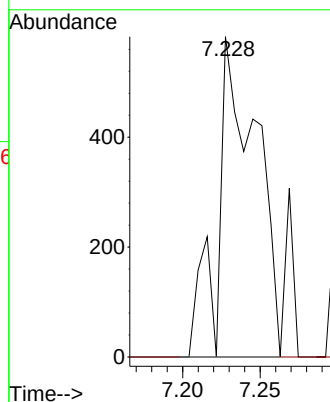
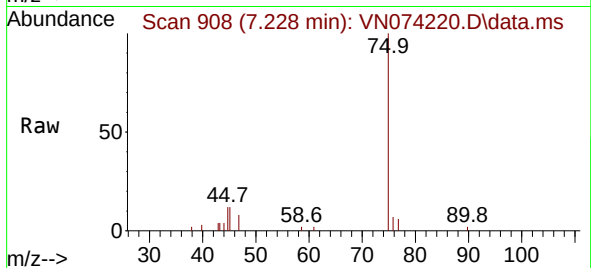
ClientSampleId :

Tgt Ion: 43 Resp: 1015

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.466 ug/l

RT: 7.228 min Scan# 908

Delta R.T. -0.017 min

Lab File: VN074220.D

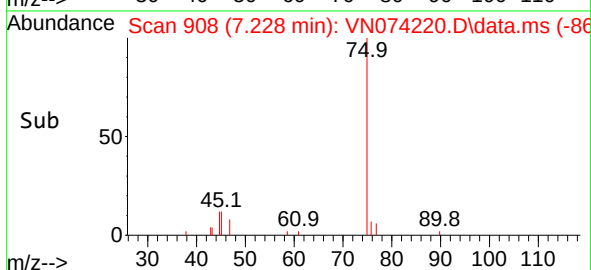
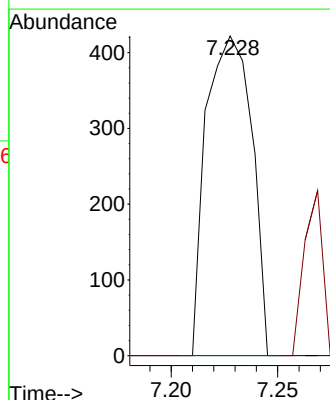
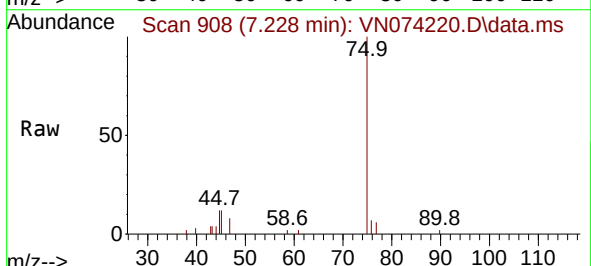
Acq: 31 Aug 2022 17:37

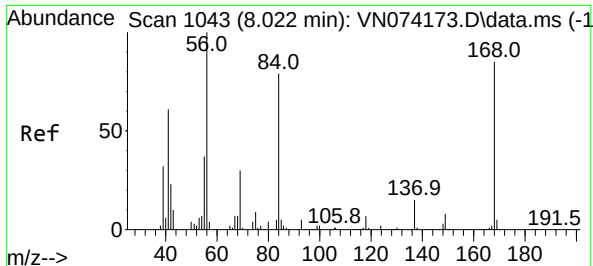
Tgt Ion: 77 Resp: 629

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#31

Cyclohexane

Concen: 1.371 ug/l

RT: 8.022 min Scan# 1103

Delta R.T. -0.000 min

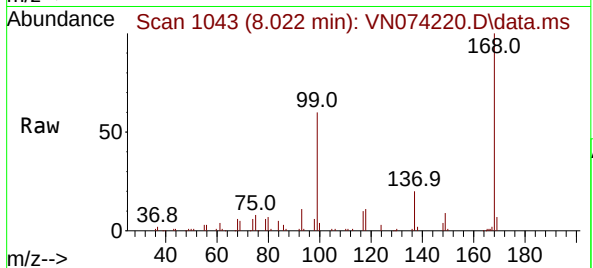
Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

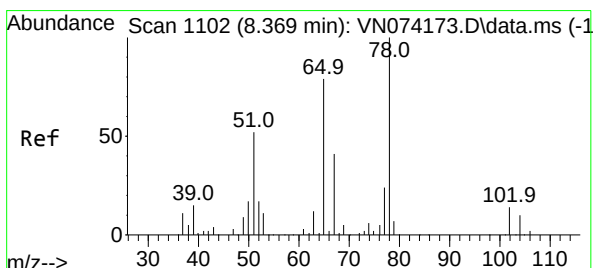
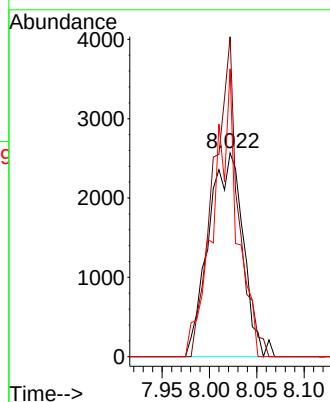
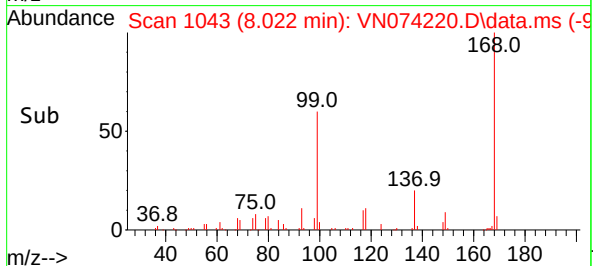
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	6543
Ion Ratio	100	Lower	Upper
56	100		
69	157.1	27.8	41.8#
84	141.3	76.9	115.3#



#33

1,2-Dichloroethane-d4

Concen: 54.573 ug/l

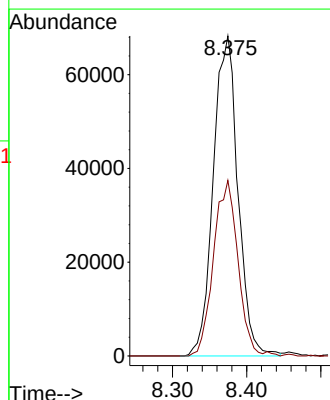
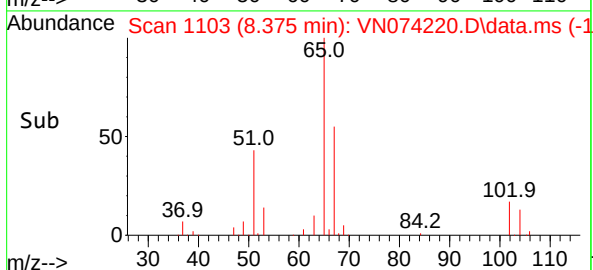
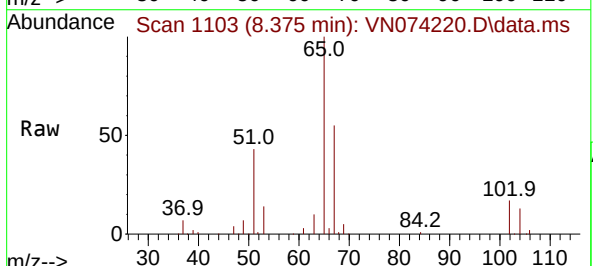
RT: 8.375 min Scan# 1103

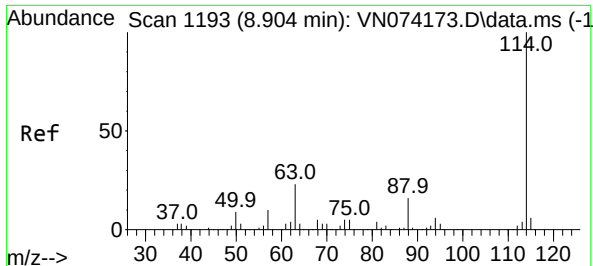
Delta R.T. 0.006 min

Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

Tgt Ion:	65	Resp:	157671
Ion Ratio	100	Lower	Upper
65	100		
67	53.9	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: VN074220.D

Acq: 31 Aug 2022 17:37

Instrument :

MSVOA_N

ClientSampleId :

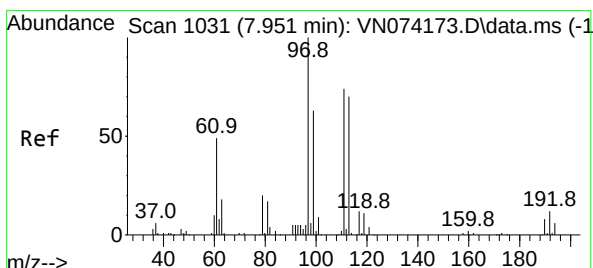
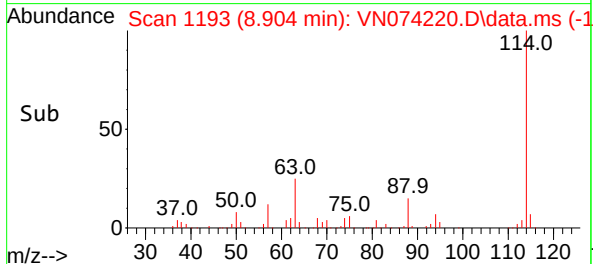
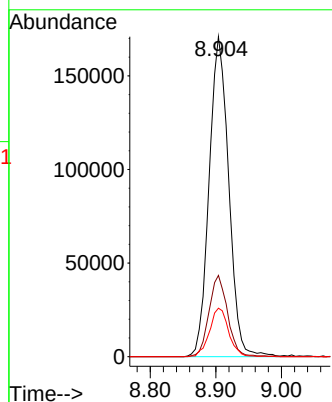
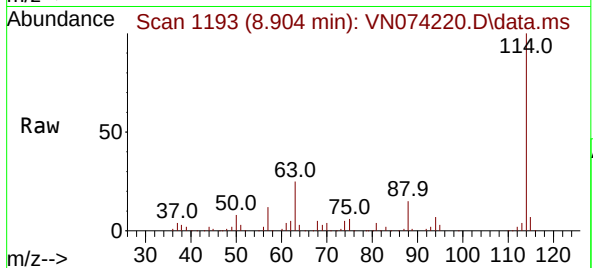
Tgt Ion:114 Resp: 355076

Ion Ratio Lower Upper

114 100

63 25.4 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.648 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

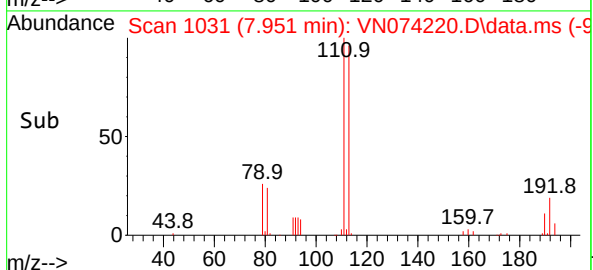
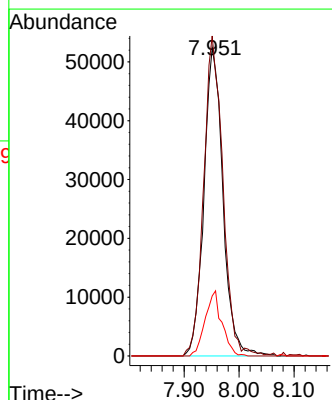
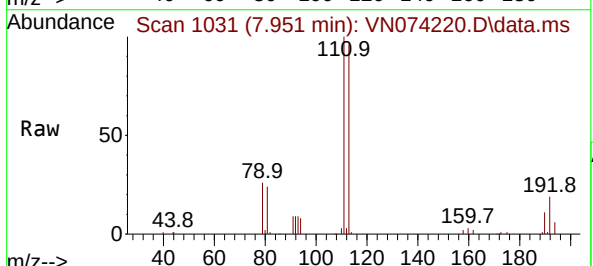
Tgt Ion:113 Resp: 126266

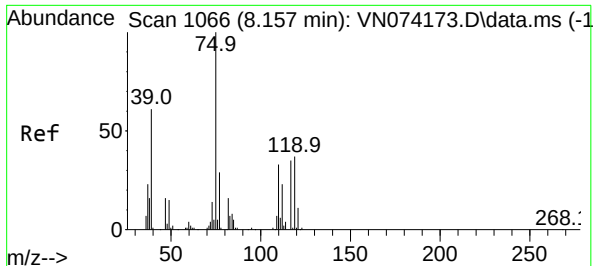
Ion Ratio Lower Upper

113 100

111 104.4 81.4 122.0

192 18.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.839 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074220.D

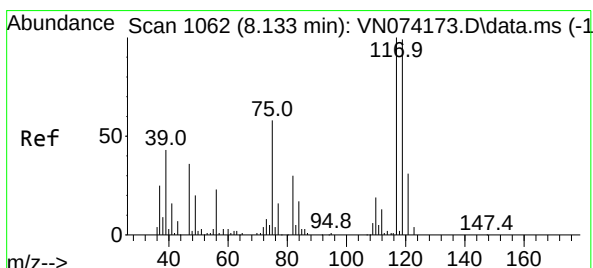
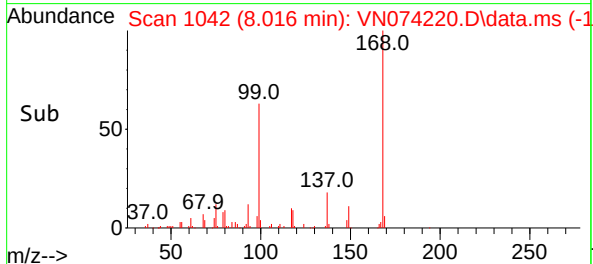
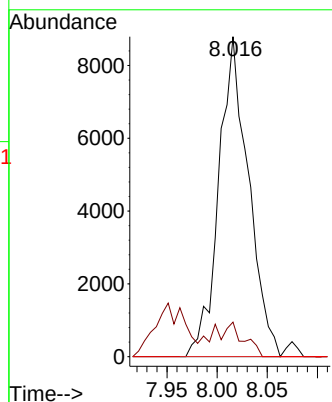
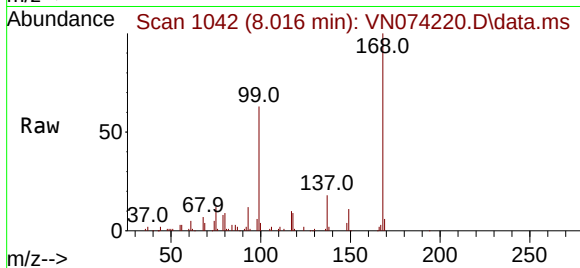
Acq: 31 Aug 2022 17:37

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	18142
Ion Ratio	Lower	Upper	
75	100		
110	11.1	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.643 ug/l

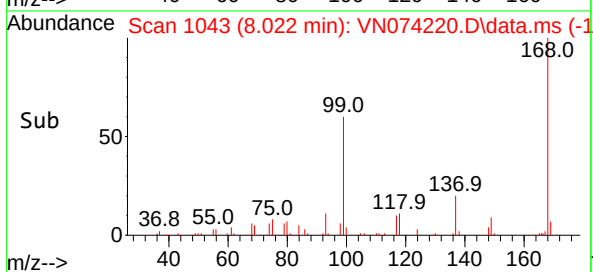
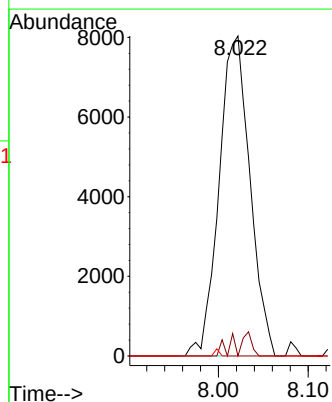
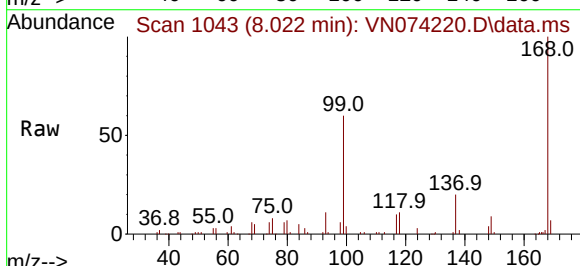
RT: 8.022 min Scan# 1043

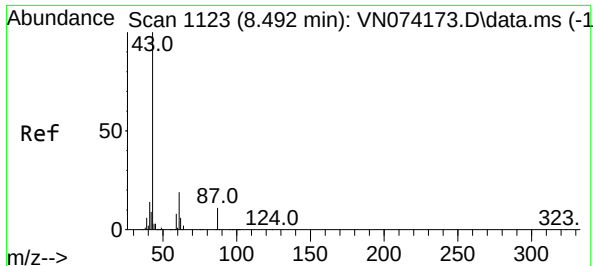
Delta R.T. -0.111 min

Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

Tgt Ion:	117	Resp:	19207
Ion Ratio	Lower	Upper	
117	100		
119	0.0	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.383 ug/l

RT: 8.569 min Scan# 1123

Delta R.T. 0.076 min

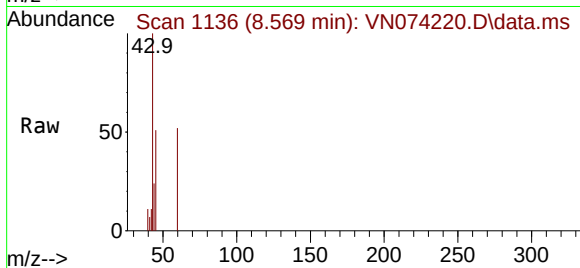
Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

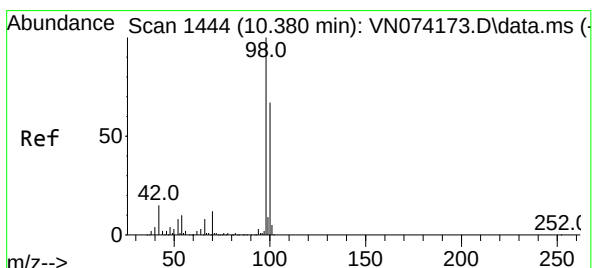
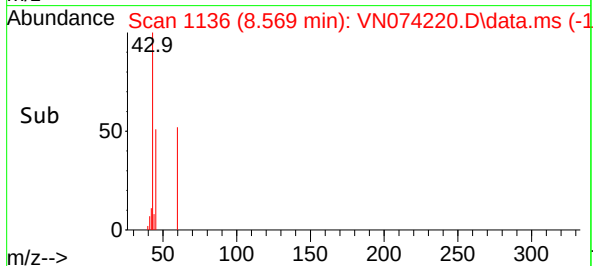
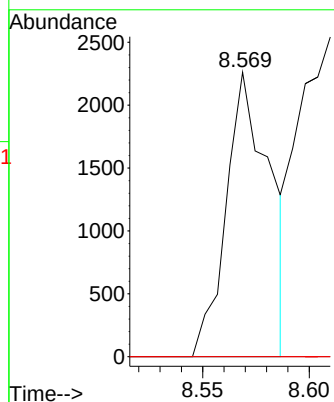
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 3224
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#50

Toluene-d8

Concen: 47.068 ug/l

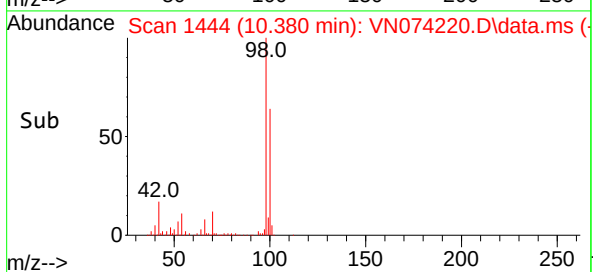
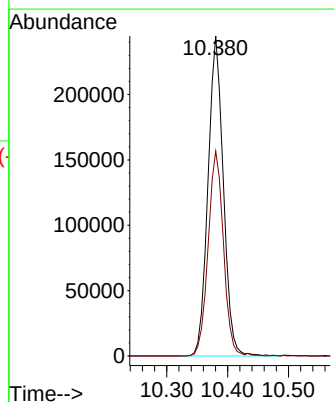
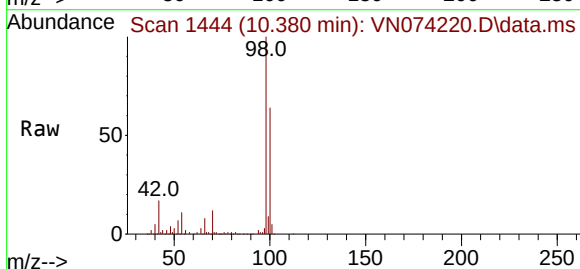
RT: 10.380 min Scan# 1444

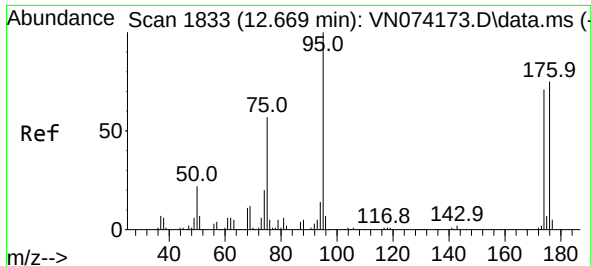
Delta R.T. -0.000 min

Lab File: VN074220.D

Acq: 31 Aug 2022 17:37

Tgt Ion: 98	Resp: 428281
Ion Ratio	Lower Upper
98	100
100	64.0 52.6 78.8

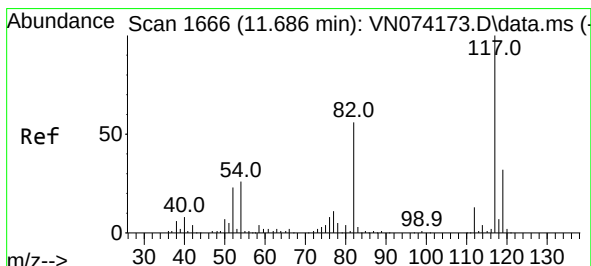
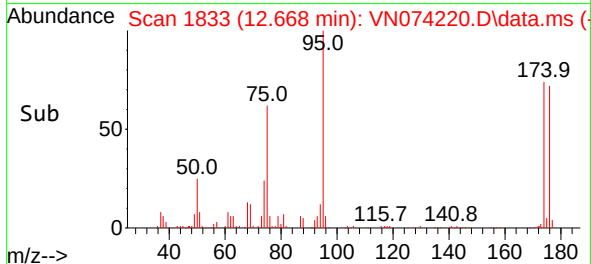
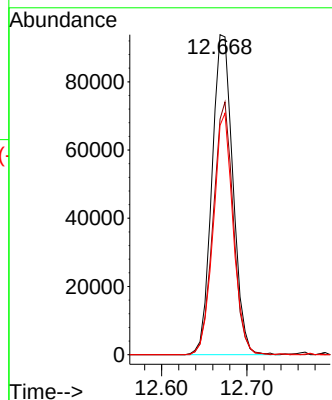
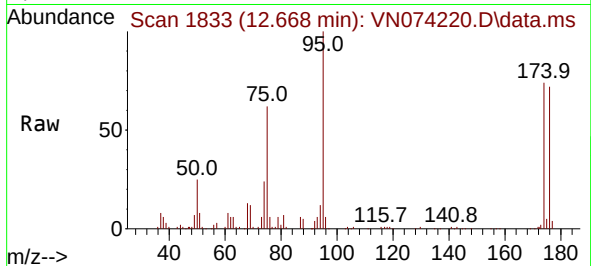




#62
4-Bromofluorobenzene
Concen: 57.889 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

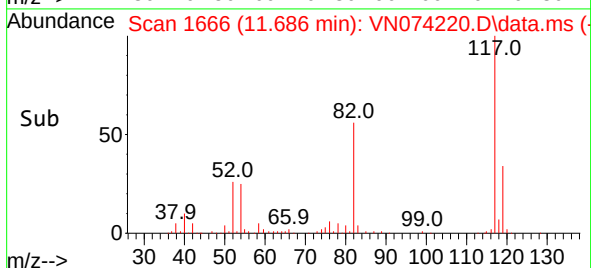
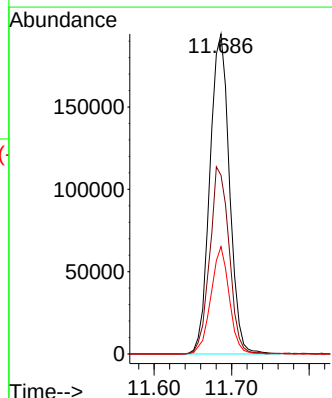
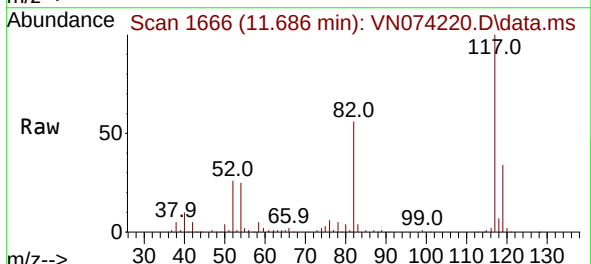
Instrument :
MSVOA_N
ClientSampleId :

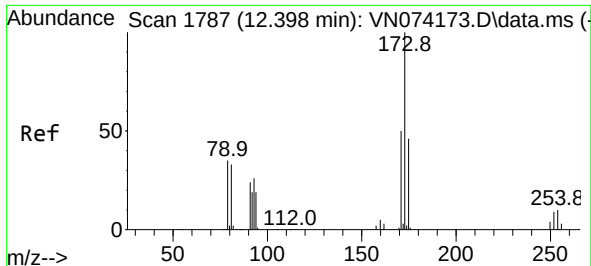
Tgt Ion: 95 Resp: 160187
Ion Ratio Lower Upper
95 100
174 75.4 0.0 167.6
176 71.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

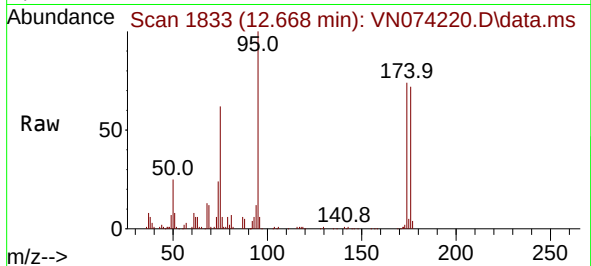
Tgt Ion: 117 Resp: 341519
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 33.6 25.4 38.0



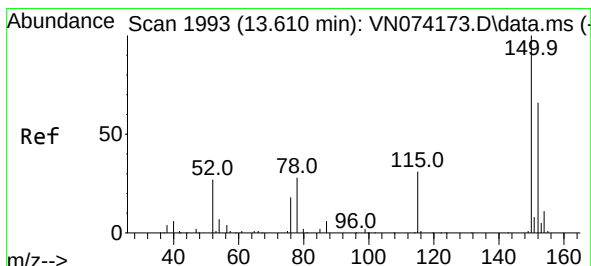
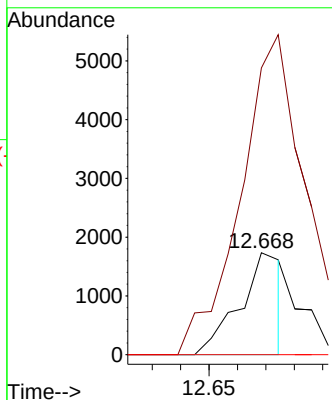
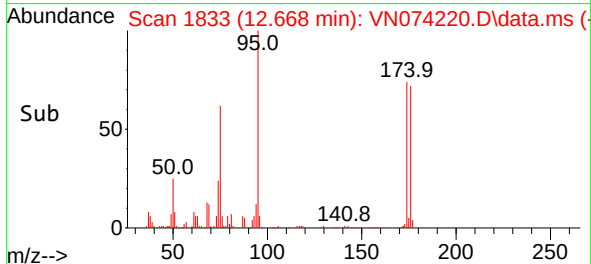


#71
Bromoform
Concen: 0.784 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

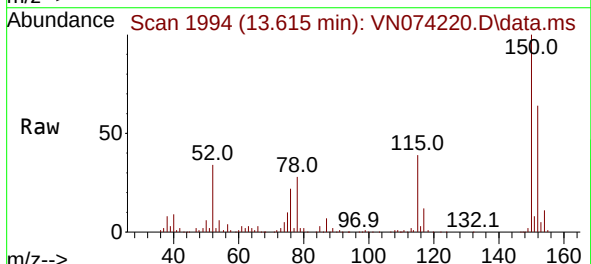
Instrument :
MSVOA_N
ClientSampleId :



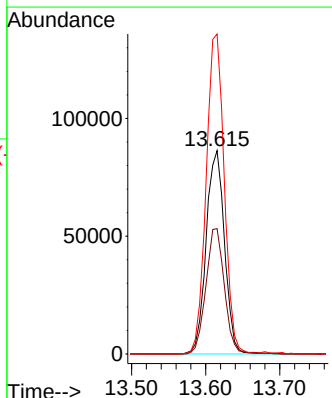
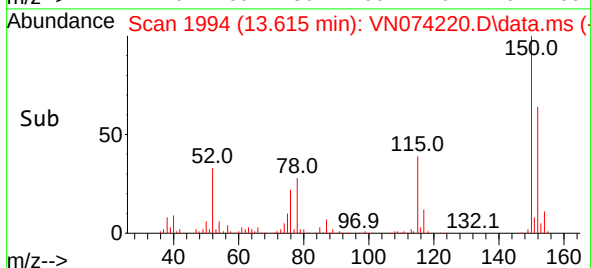
Tgt Ion:173 Resp: 1815
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

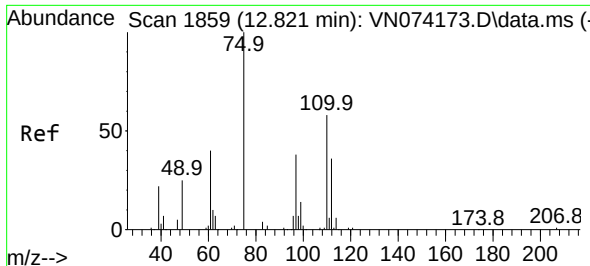


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37



Tgt Ion:152 Resp: 148441
Ion Ratio Lower Upper
152 100
115 61.9 28.9 86.7
150 154.6 0.0 356.2

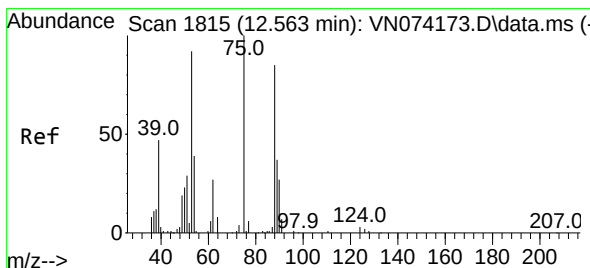
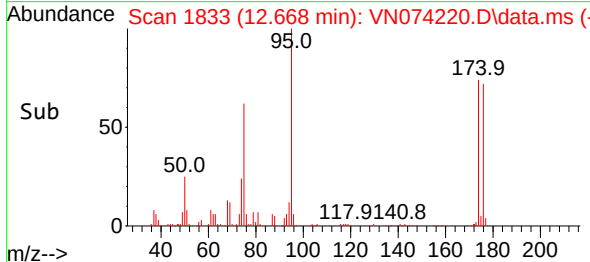
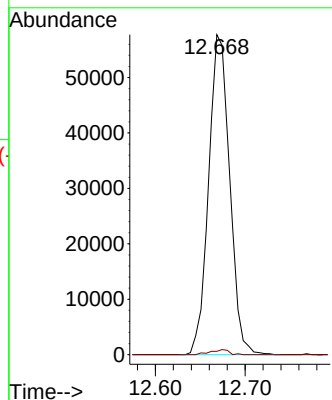
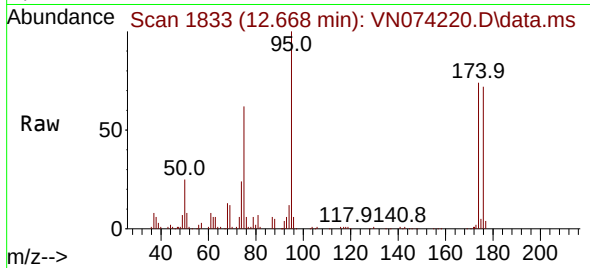




#76
1,2,3-Trichloropropane
Concen: 25.561 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

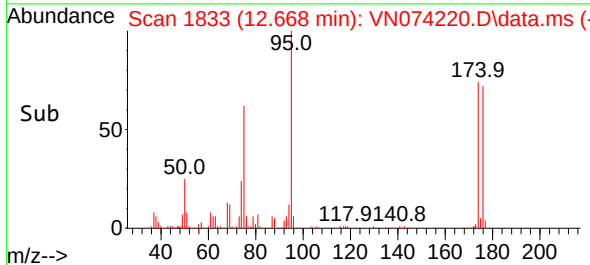
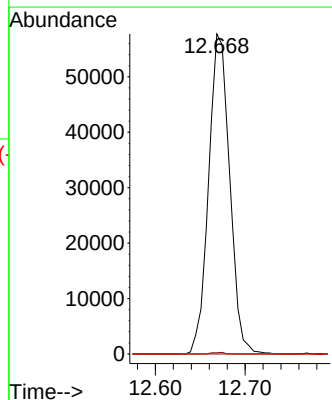
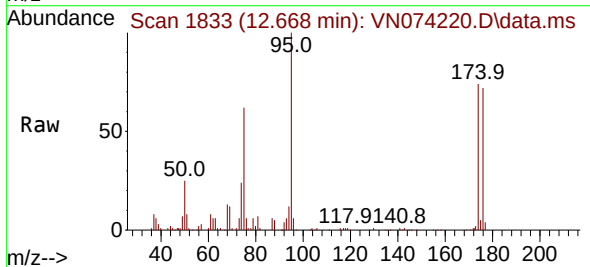
Instrument :
MSVOA_N
ClientSampleId :

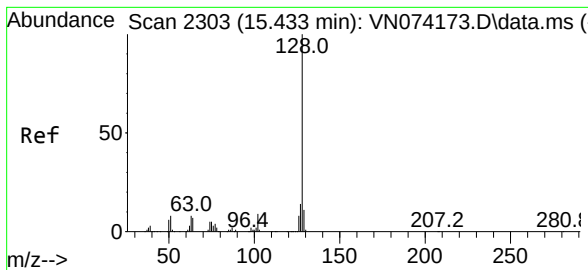
Tgt Ion: 75 Resp: 94125
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.817 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074220.D
Acq: 31 Aug 2022 17:37

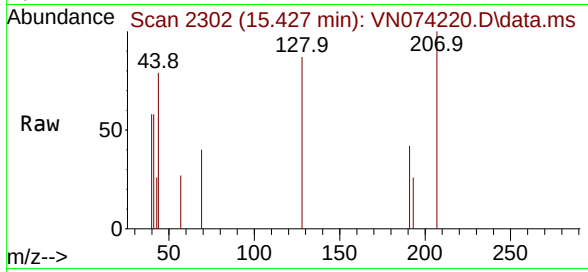
Tgt Ion: 75 Resp: 94125
Ion Ratio Lower Upper
75 100
53 0.3 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 1.200 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074220.D
 Acq: 31 Aug 2022 17:37

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	560
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

