

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074223.D
 Acq On : 31 Aug 2022 18:52
 Operator : JC\MD
 Sample : N4428-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:29:03 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)

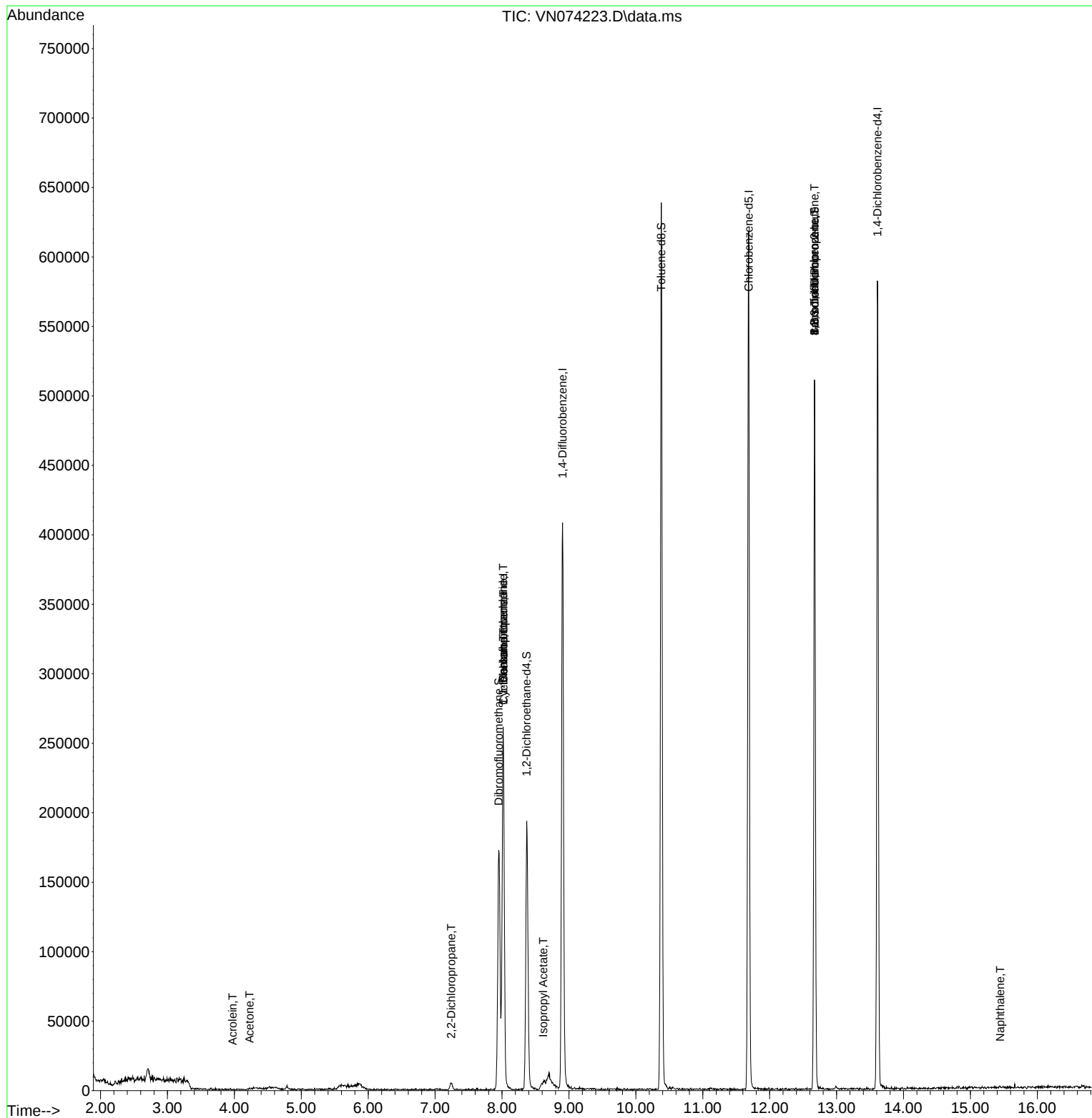
Internal Standards						
1) Pentafluorobenzene	8.016	168	178364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	337510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.687	117	322484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	141455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	152832	55.236	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.480%	
35) Dibromofluoromethane	7.952	113	123419	56.195	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.400%	
50) Toluene-d8	10.381	98	409223	47.314	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.620%	
62) 4-Bromofluorobenzene	12.669	95	148259	56.367	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.740%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.969	64	629	Below Cal	#	42
11) Tert butyl alcohol	5.240	59	76	Below Cal	#	72
13) Acrolein	3.975	56	155	0.253	ug/l #	16
16) Acetone	4.228	43	790	0.427	ug/l #	62
18) Methyl Acetate	4.787	43	3358	Below Cal	#	64
20) Methylene Chloride	5.005	84	219	Below Cal	#	10
26) 2,2-Dichloropropane	7.240	77	254	0.351	ug/l #	53
31) Cyclohexane	8.022	56	6045	1.322	ug/l #	65
36) 1,1-Dichloropropene	8.022	75	18524	5.198	ug/l #	43
38) Carbon Tetrachloride	8.016	117	20185	6.237	ug/l #	16
43) Isopropyl Acetate	8.616	43	6480	0.809	ug/l #	54
71) Bromoform	12.669	173	1477	0.676	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	91356	26.076	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	91356	67.036	ug/l #	10
95) Naphthalene	15.445	128	405	1.188	ug/l #	69

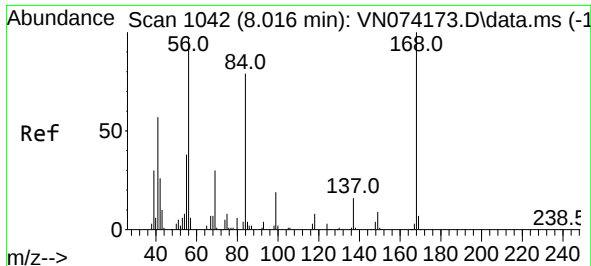
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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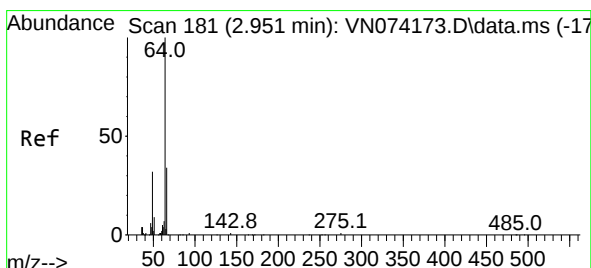
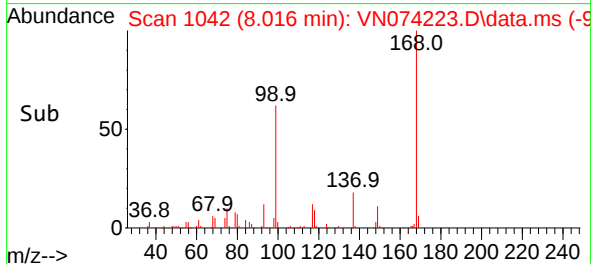
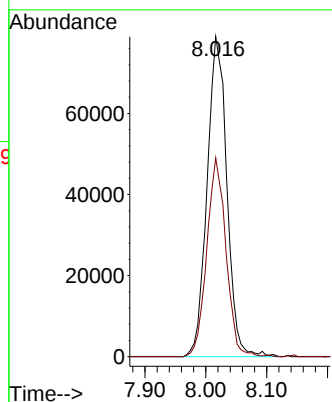
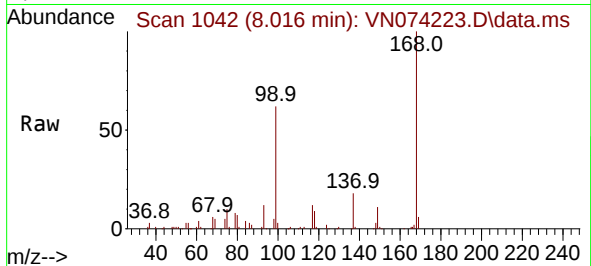




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

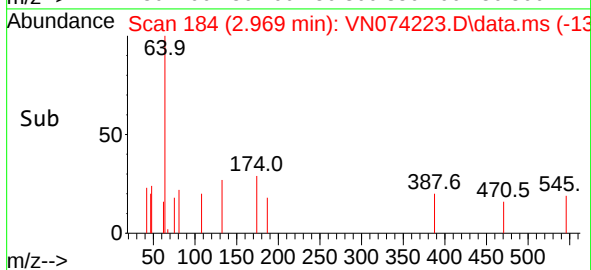
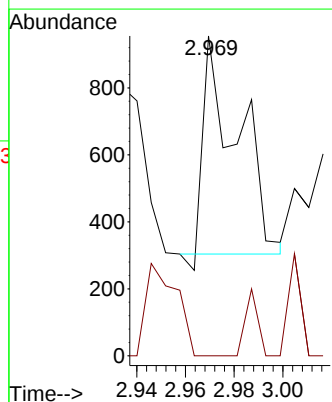
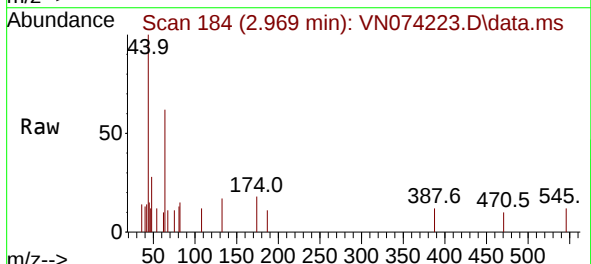
Instrument :
MSVOA_N
ClientSampleId :

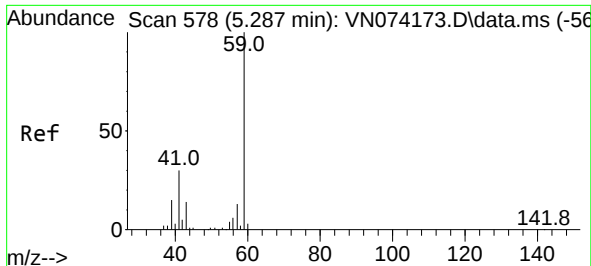
Tgt Ion:168 Resp: 178364
Ion Ratio Lower Upper
168 100
99 62.1 42.3 63.5



#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 184
Delta R.T. 0.018 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

Tgt Ion: 64 Resp: 629
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.240 min Scan# 51

Delta R.T. -0.047 min

Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

Instrument :

MSVOA_N

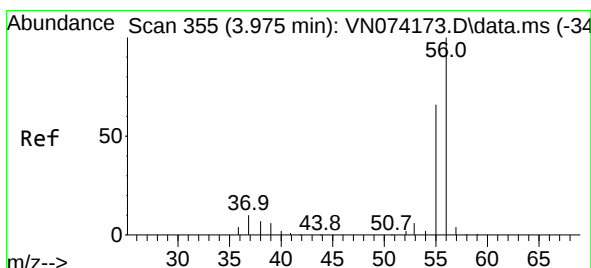
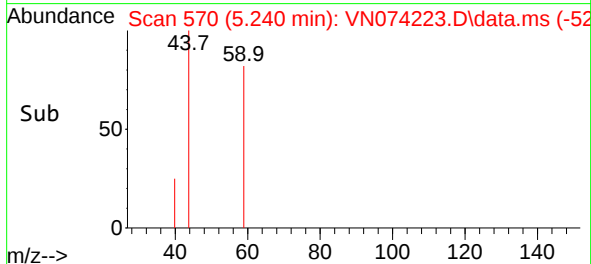
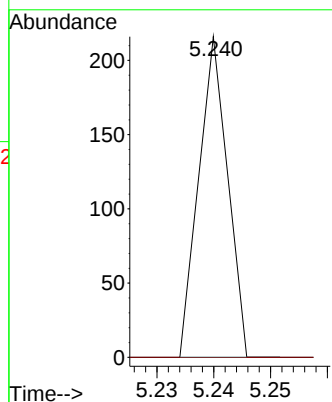
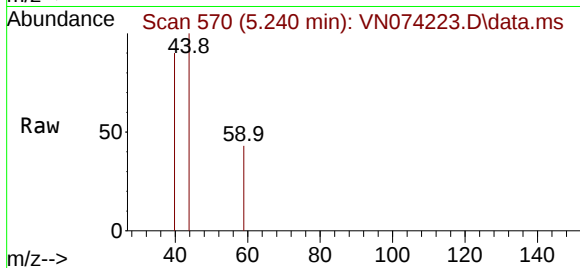
ClientSampleId :

Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.253 ug/l

RT: 3.975 min Scan# 355

Delta R.T. 0.000 min

Lab File: VN074223.D

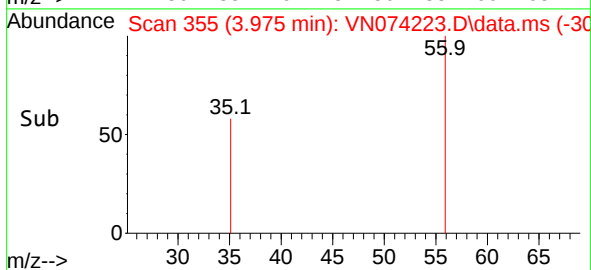
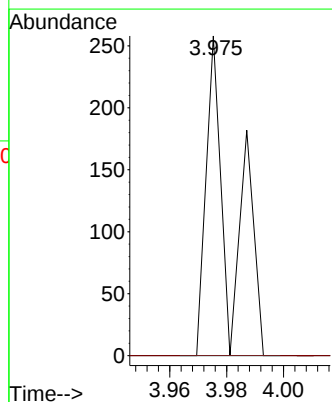
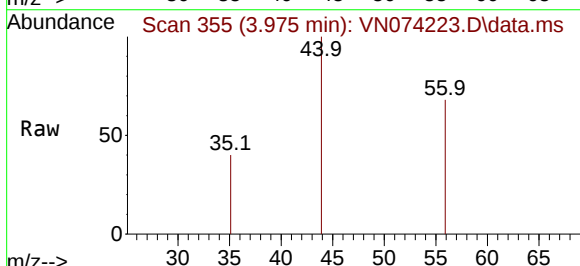
Acq: 31 Aug 2022 18:52

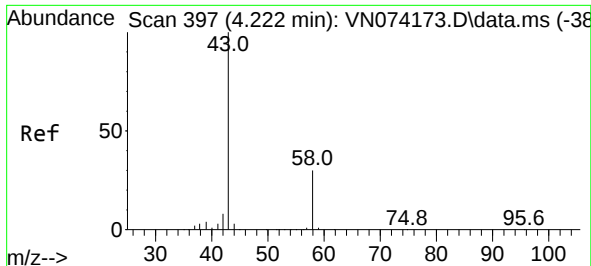
Tgt Ion: 56 Resp: 155

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#

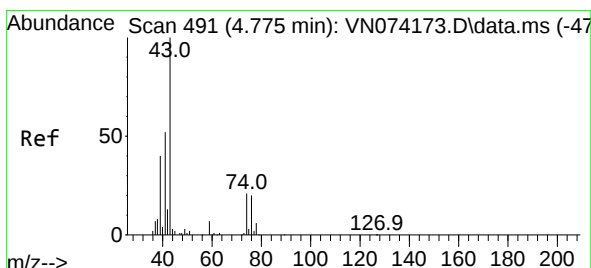
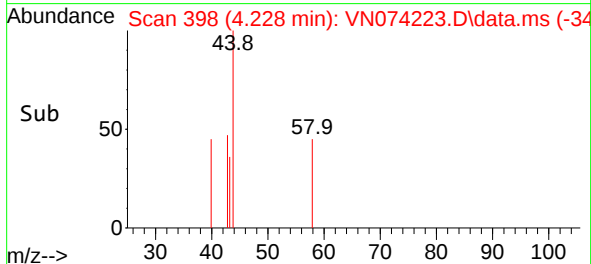
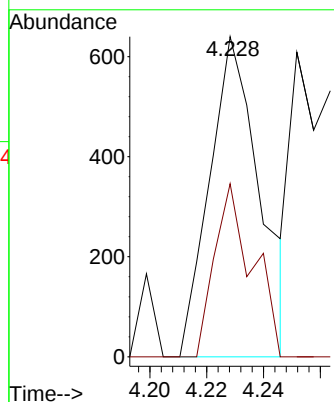
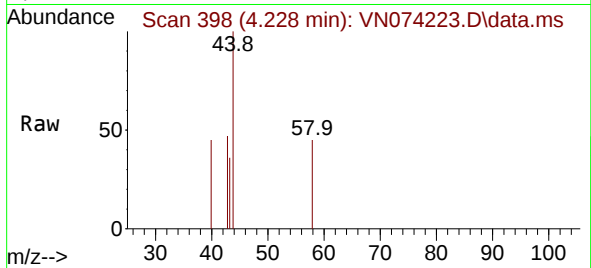




#16
Acetone
Concen: 0.427 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

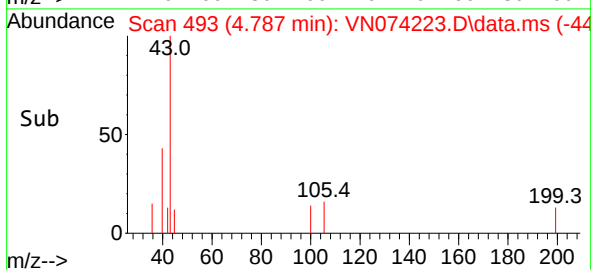
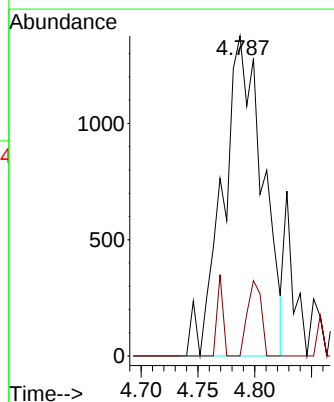
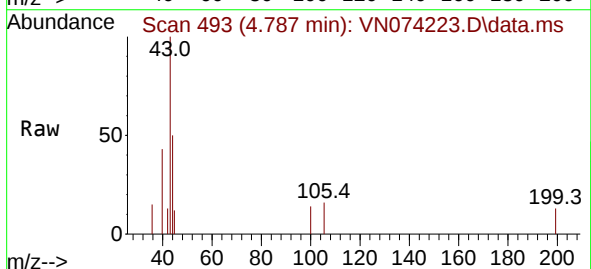
Instrument :
MSVOA_N
ClientSampleId :

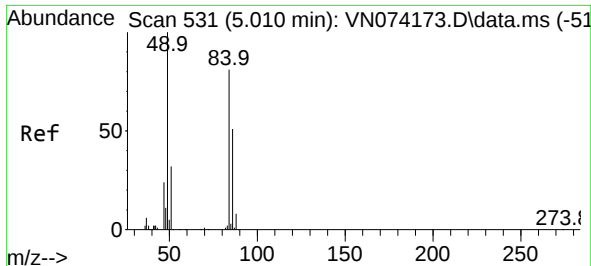
Tgt Ion: 43 Resp: 790
Ion Ratio Lower Upper
43 100
58 54.1 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.012 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

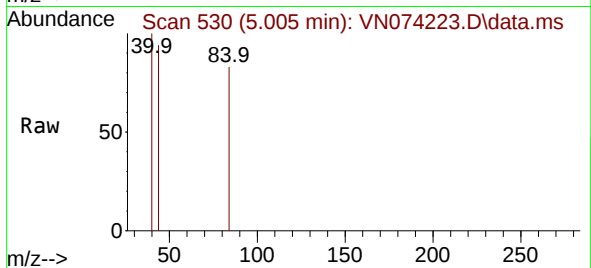
Tgt Ion: 43 Resp: 3358
Ion Ratio Lower Upper
43 100
74 8.1 21.6 32.4#



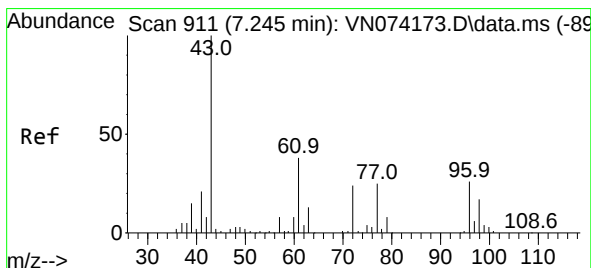
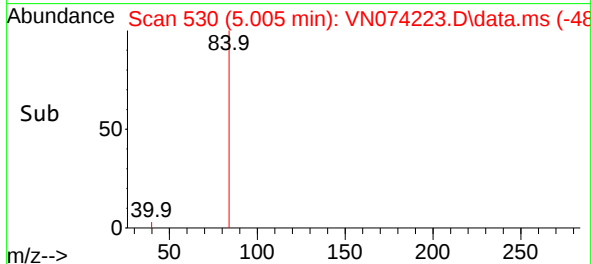
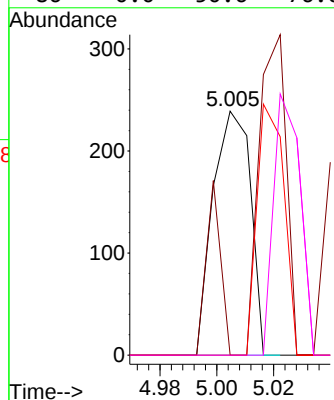


#20
Methylene Chloride
Concen: Below Cal
RT: 5.005 min Scan# 51
Delta R.T. -0.005 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

Instrument :
MSVOA_N
ClientSampleId :

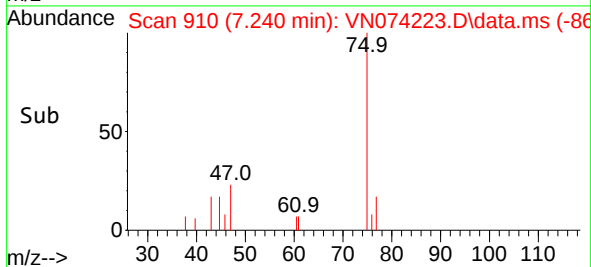
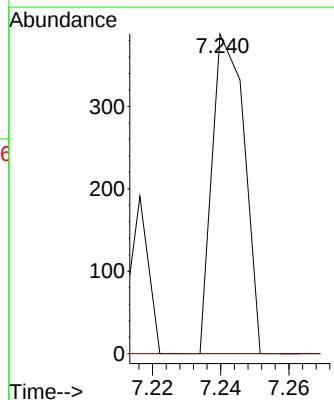
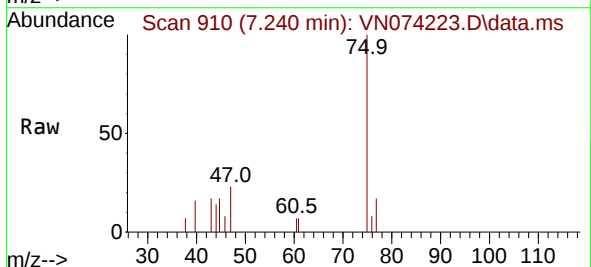


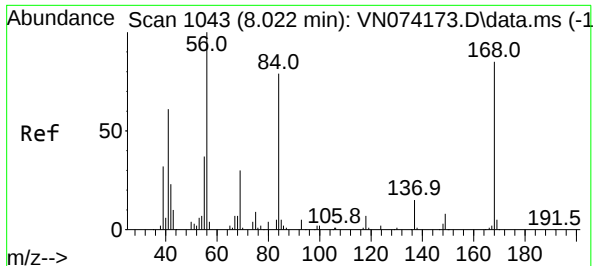
Tgt Ion:	84	Resp:	219
Ion	Ratio	Lower	Upper
84	100		
49	0.0	88.3	132.5#
51	0.0	28.2	42.2#
86	0.0	50.6	76.0#



#26
2,2-Dichloropropane
Concen: 0.351 ug/l
RT: 7.240 min Scan# 910
Delta R.T. -0.005 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

Tgt Ion:	77	Resp:	254
Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.4	34.2#





#31

Cyclohexane

Concen: 1.322 ug/l

RT: 8.022 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

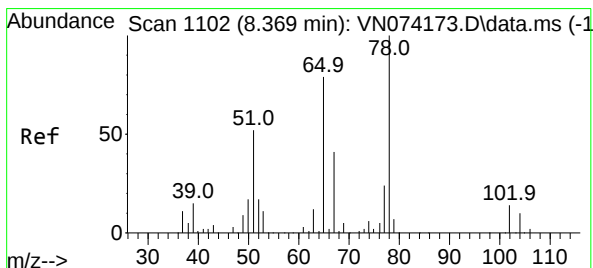
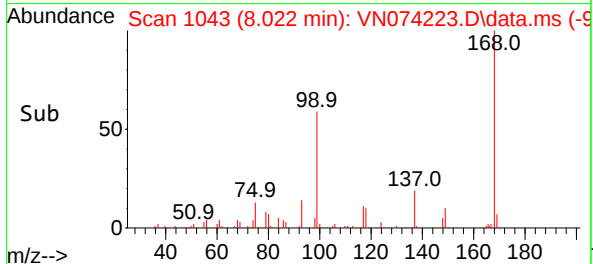
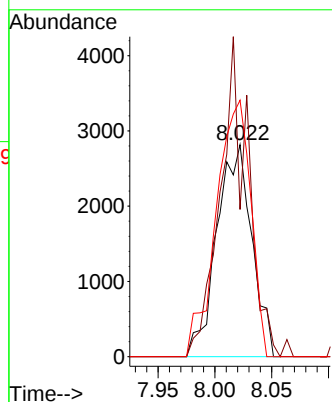
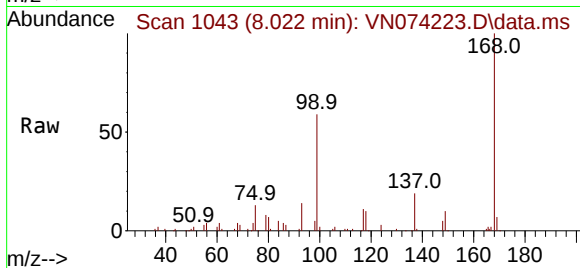
Tgt Ion: 56 Resp: 6045

Ion Ratio Lower Upper

56 100

69 69.4 27.8 41.8#

84 121.0 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 55.236 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074223.D

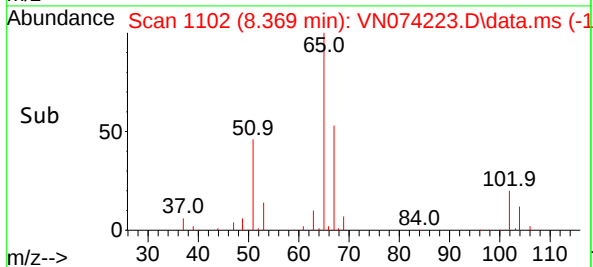
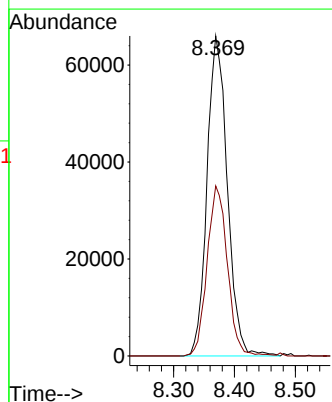
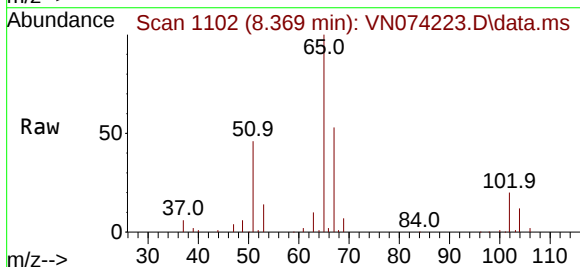
Acq: 31 Aug 2022 18:52

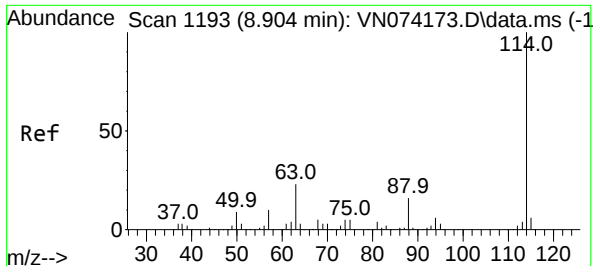
Tgt Ion: 65 Resp: 152832

Ion Ratio Lower Upper

65 100

67 53.1 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: VN074223.D

Acq: 31 Aug 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

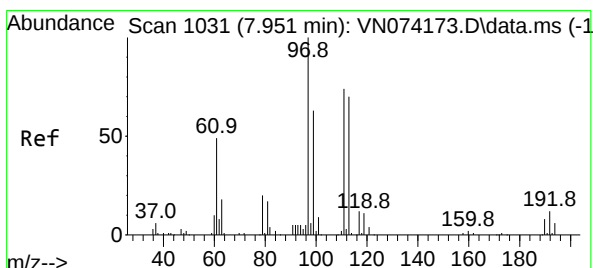
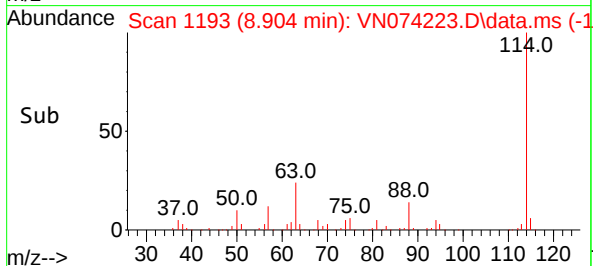
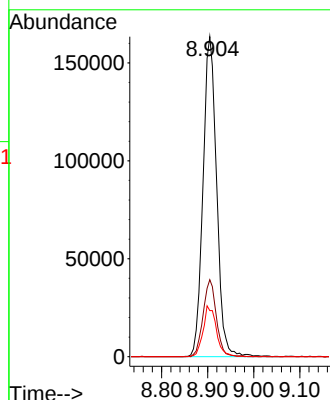
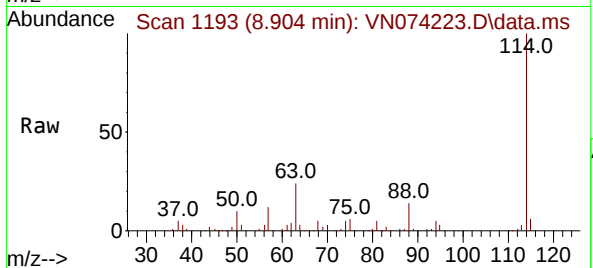
Tgt Ion:114 Resp: 337510

Ion Ratio Lower Upper

114 100

63 24.0 0.0 40.0

88 14.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.195 ug/l

RT: 7.952 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

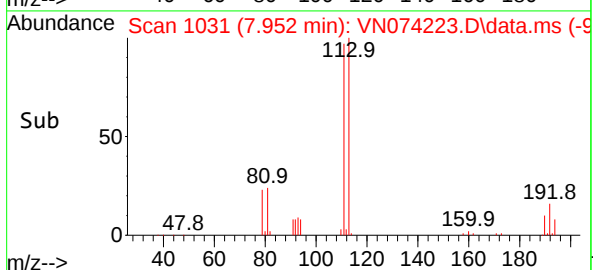
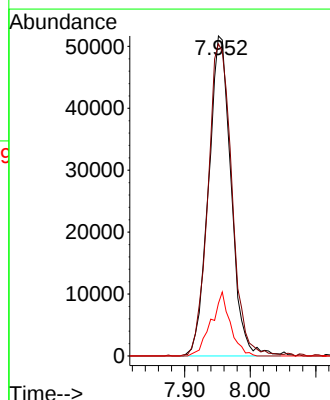
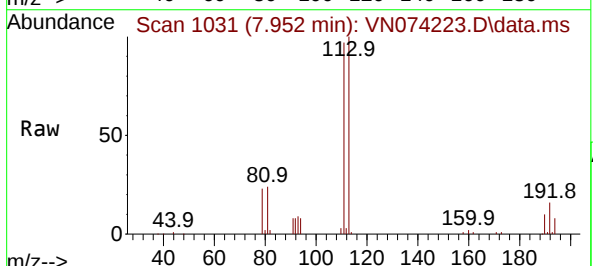
Tgt Ion:113 Resp: 123419

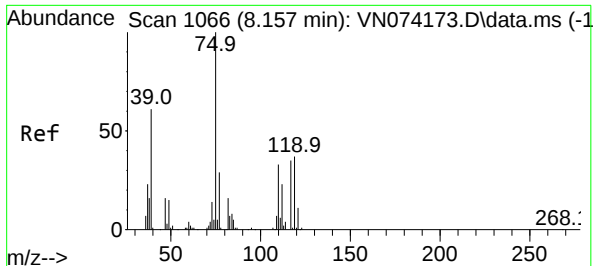
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 17.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.198 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.135 min

Lab File: VN074223.D

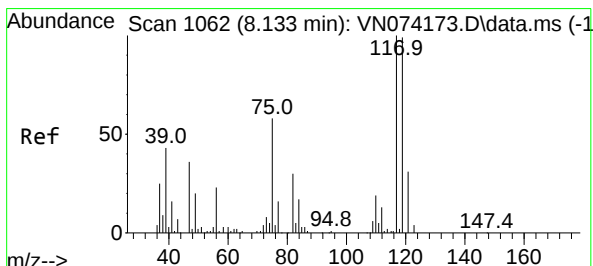
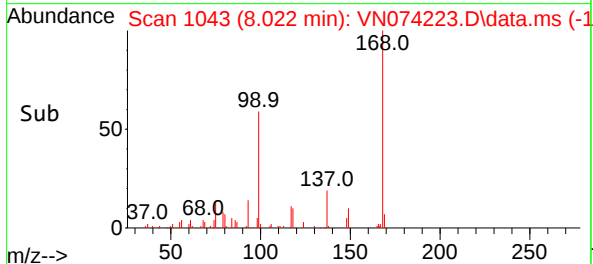
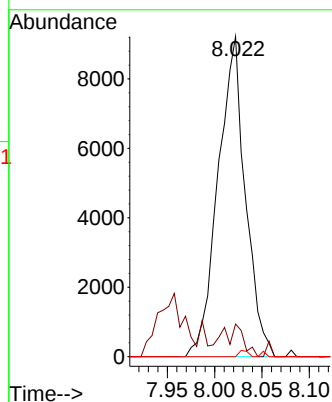
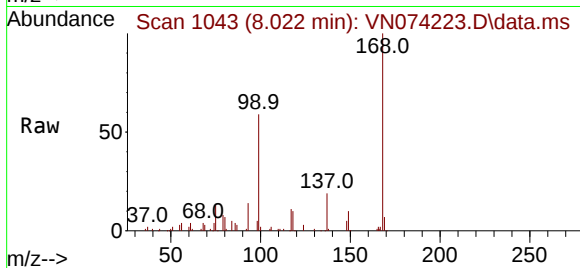
Acq: 31 Aug 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	18524
Ion	Ratio	Lower	Upper
75	100		
110	1.5	18.3	54.8#
77	0.6	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.237 ug/l

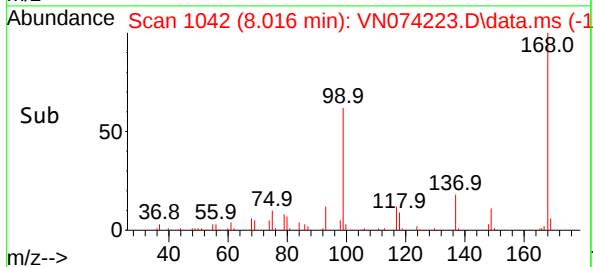
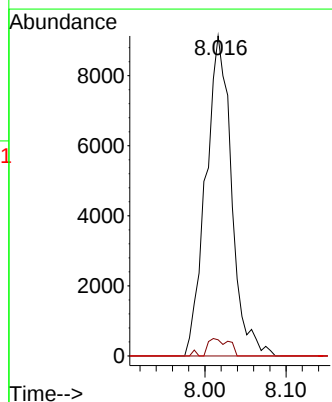
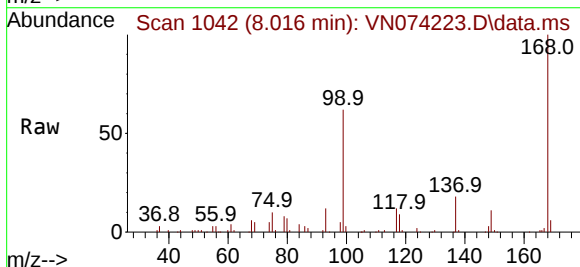
RT: 8.016 min Scan# 1042

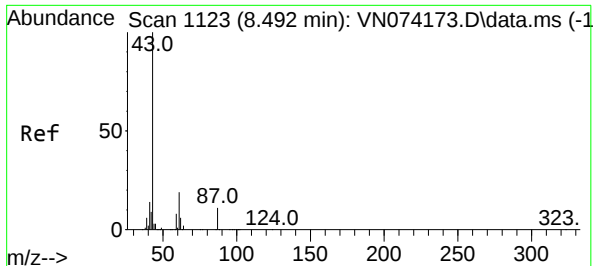
Delta R.T. -0.117 min

Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

Tgt Ion:	117	Resp:	20185
Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.809 ug/l

RT: 8.616 min Scan# 1123

Delta R.T. 0.124 min

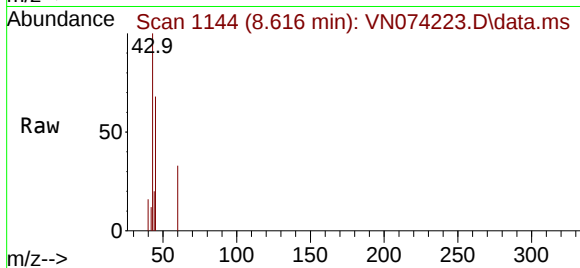
Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

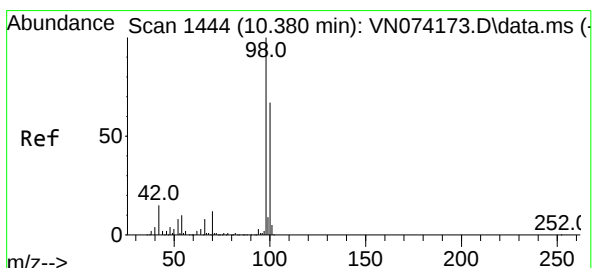
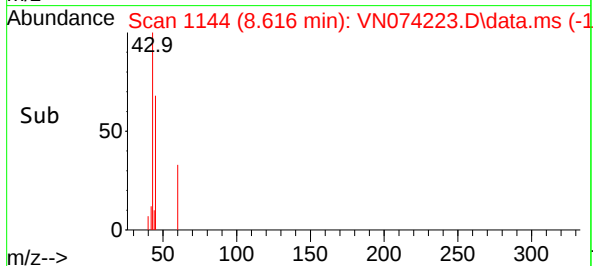
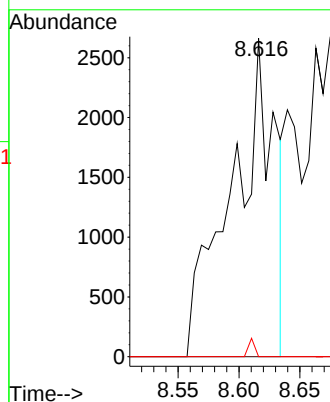
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 6480
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.8 12.0 18.0#



#50

Toluene-d8

Concen: 47.314 ug/l

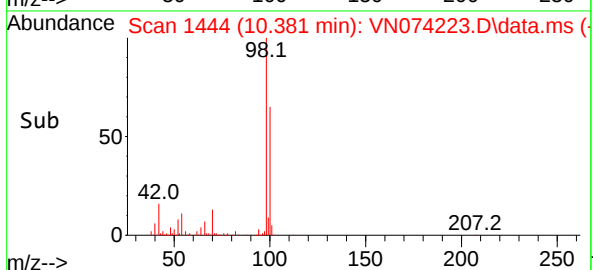
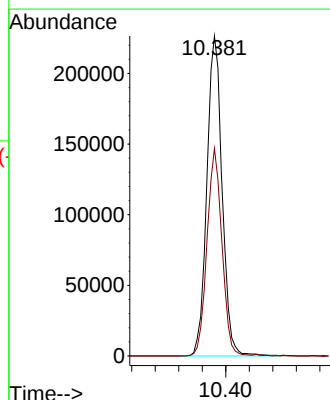
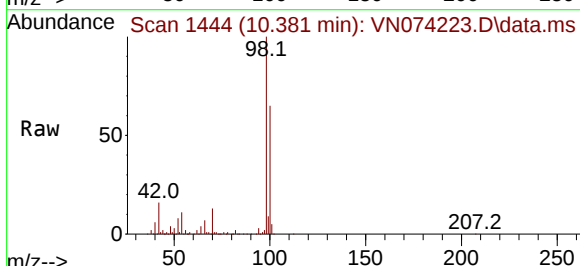
RT: 10.381 min Scan# 1444

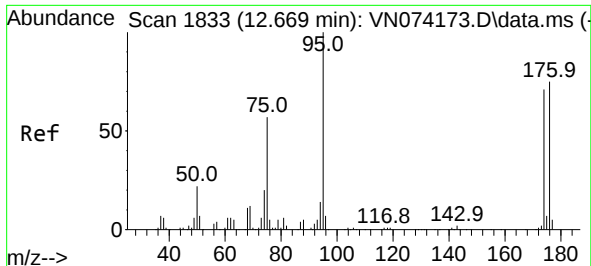
Delta R.T. 0.000 min

Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

Tgt Ion: 98	Resp: 409223
Ion Ratio	Lower Upper
98	100
100	63.3 52.6 78.8

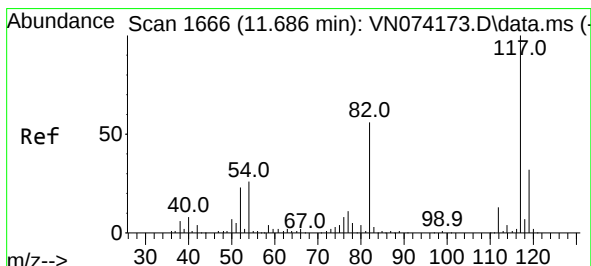
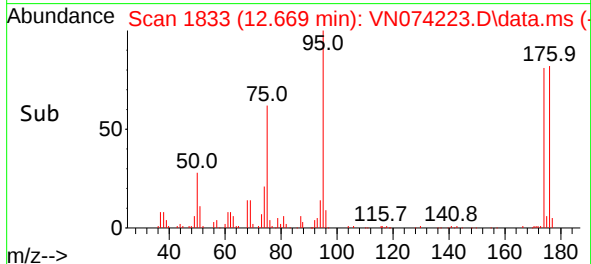
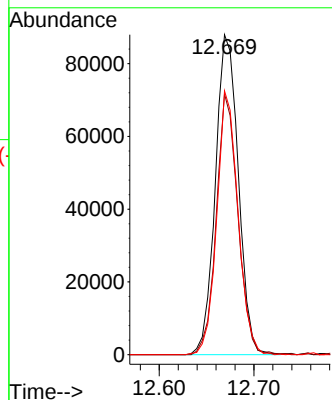
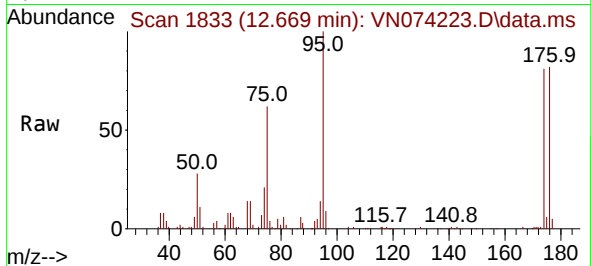




#62
4-Bromofluorobenzene
Concen: 56.367 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

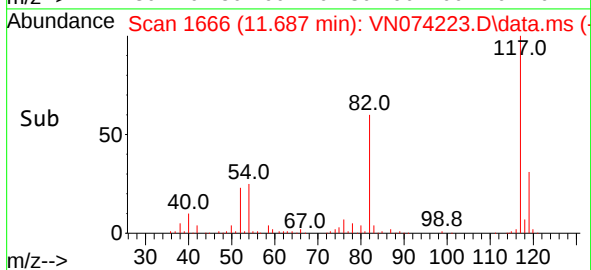
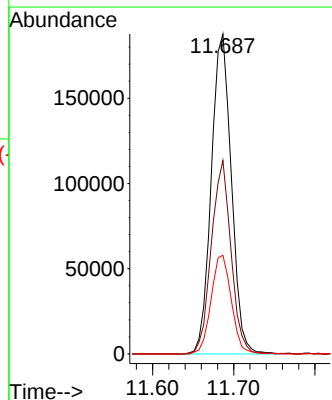
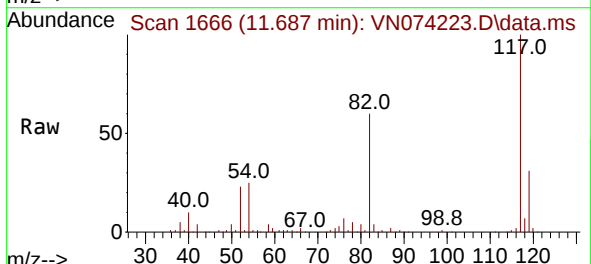
Instrument :
MSVOA_N
ClientSampleId :

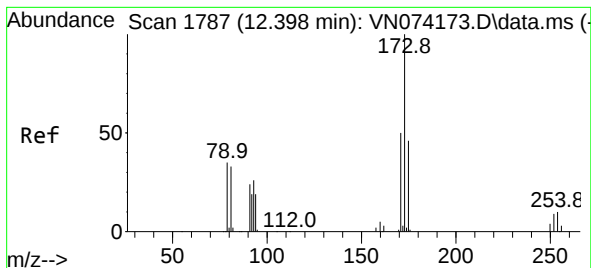
Tgt Ion: 95 Resp: 148259
Ion Ratio Lower Upper
95 100
174 76.5 0.0 167.6
176 75.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.687 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

Tgt Ion: 117 Resp: 322484
Ion Ratio Lower Upper
117 100
82 60.5 44.2 66.2
119 30.9 25.4 38.0





#71

Bromoform

Concen: 0.676 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

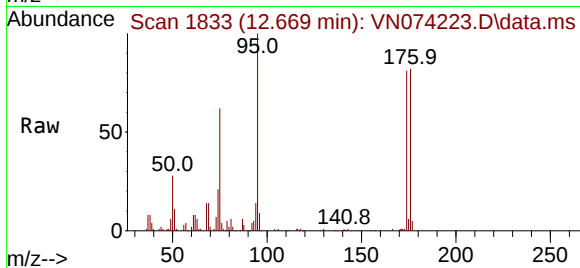
Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

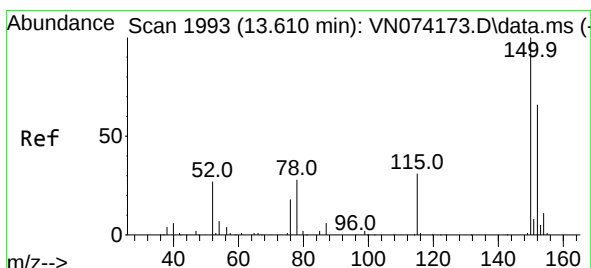
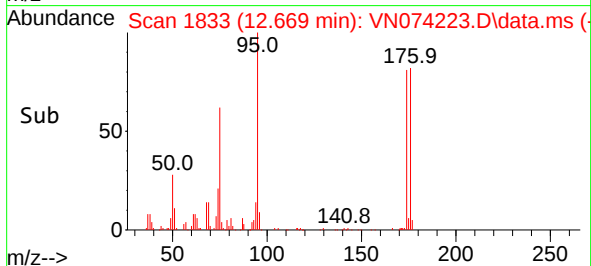
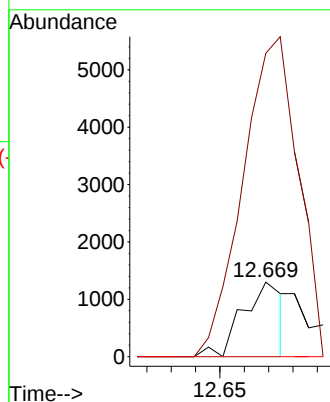
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1477
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

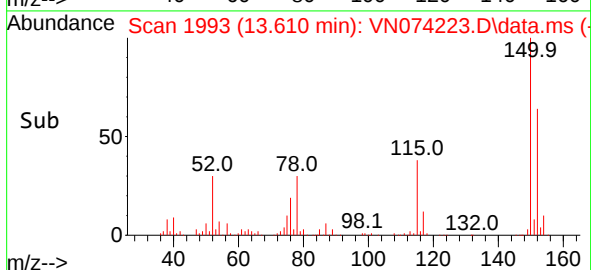
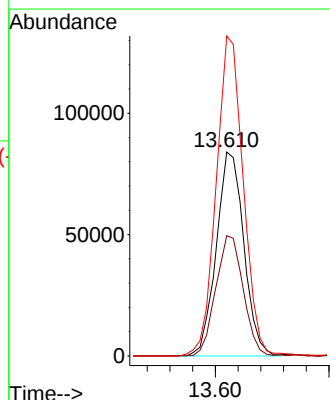
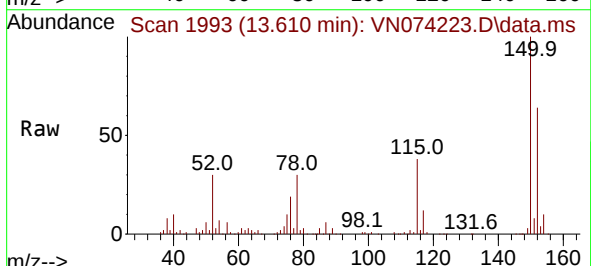
RT: 13.610 min Scan# 1993

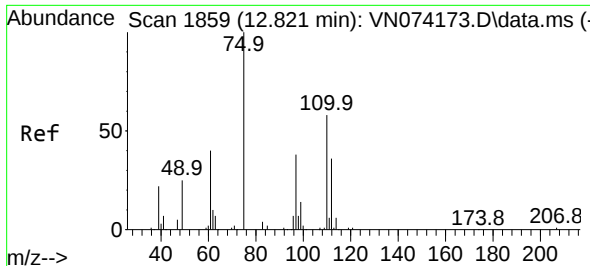
Delta R.T. -0.000 min

Lab File: VN074223.D

Acq: 31 Aug 2022 18:52

Tgt Ion:	152	Resp:	141455
Ion Ratio	Lower	Upper	
152	100		
115	59.0	28.9	86.7
150	154.3	0.0	356.2

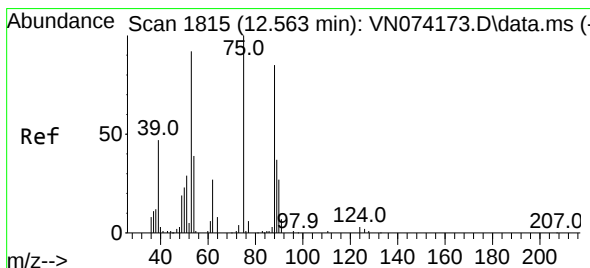
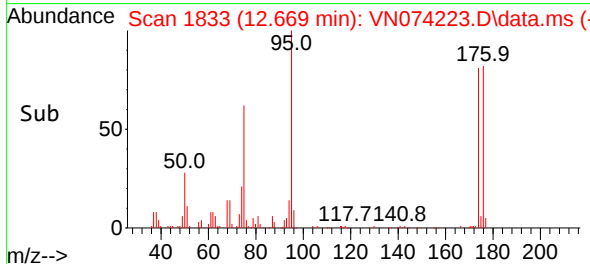
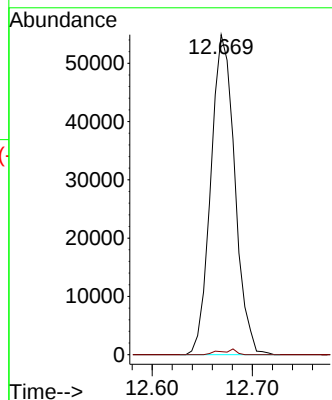
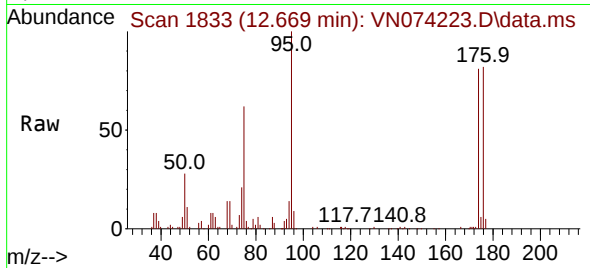




#76
1,2,3-Trichloropropane
Concen: 26.076 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

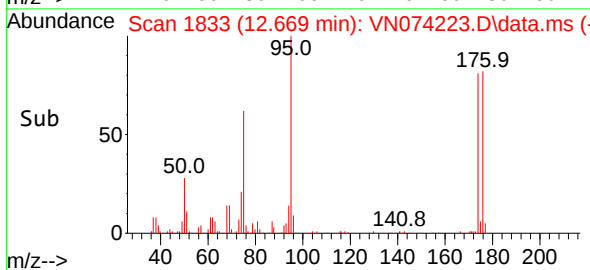
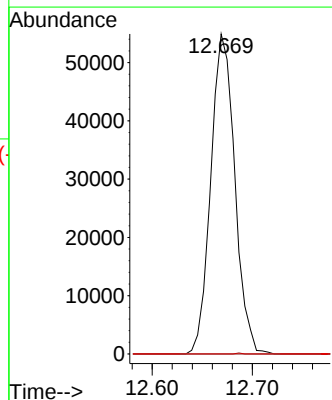
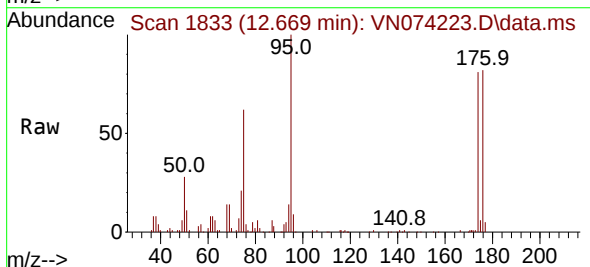
Instrument :
MSVOA_N
ClientSampleId :

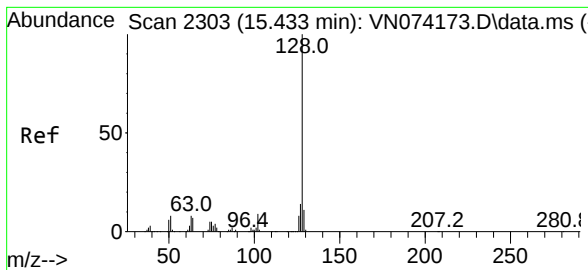
Tgt Ion: 75 Resp: 91356
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.036 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

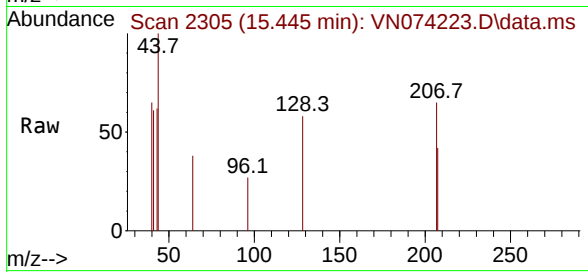
Tgt Ion: 75 Resp: 91356
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.188 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN074223.D
Acq: 31 Aug 2022 18:52

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 405
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

