

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074224.D
 Acq On : 31 Aug 2022 19:16
 Operator : JC\MD
 Sample : N4428-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:29:25 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)

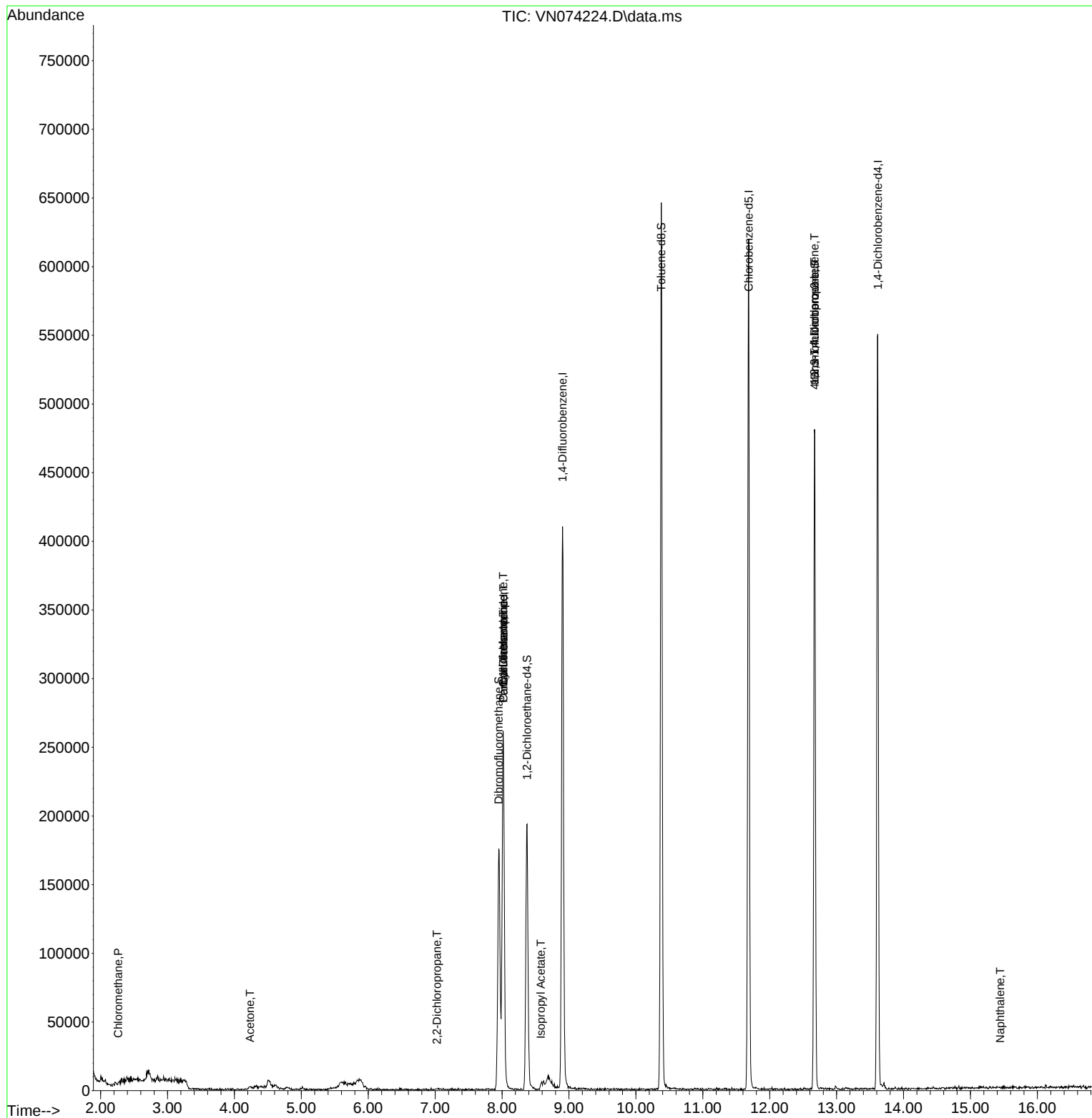
Internal Standards						
1) Pentafluorobenzene	8.022	168	184858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	340774	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	316472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	132722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	151292	52.759	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.520%	
35) Dibromofluoromethane	7.951	113	124212	56.015	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.020%	
50) Toluene-d8	10.380	98	404904	46.366	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.740%	
62) 4-Bromofluorobenzene	12.674	95	150936	56.835	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1045	0.388	ug/l #	88
6) Chloroethane	2.969	64	2388	Below Cal	#	60
16) Acetone	4.234	43	2787	1.454	ug/l #	74
18) Methyl Acetate	4.793	43	3671	Below Cal	#	64
20) Methylene Chloride	5.016	84	366	Below Cal	#	72
26) 2,2-Dichloropropane	7.028	77	56	0.286	ug/l #	53
28) Bromochloromethane	7.392	49	77	Below Cal	#	8
31) Cyclohexane	8.016	56	5195	1.096	ug/l #	39
36) 1,1-Dichloropropene	8.016	75	17821	4.953	ug/l #	52
38) Carbon Tetrachloride	8.022	117	18509	5.666	ug/l #	17
43) Isopropyl Acetate	8.581	43	3280	0.405	ug/l #	62
76) 1,2,3-Trichloropropane	12.669	75	84982	25.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	84982	66.462	ug/l #	10
95) Naphthalene	15.445	128	274	1.178	ug/l #	70

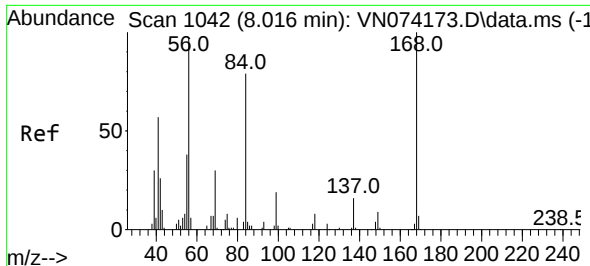
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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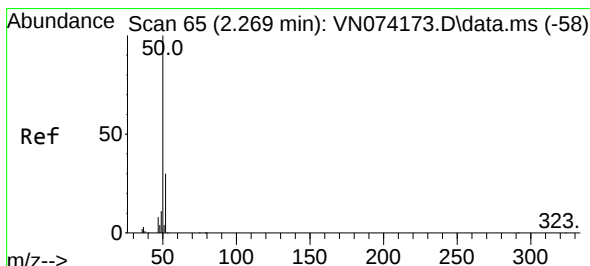
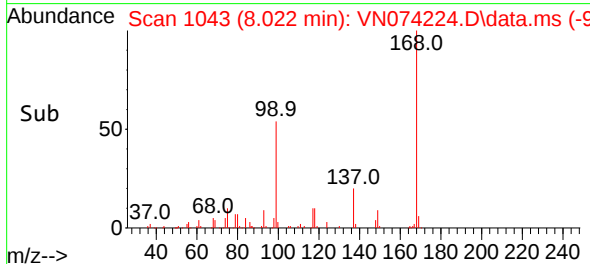
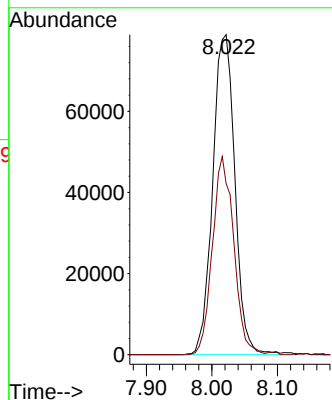
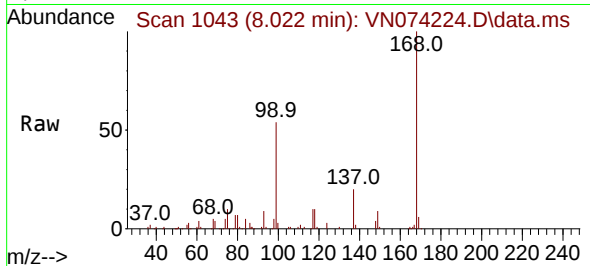




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

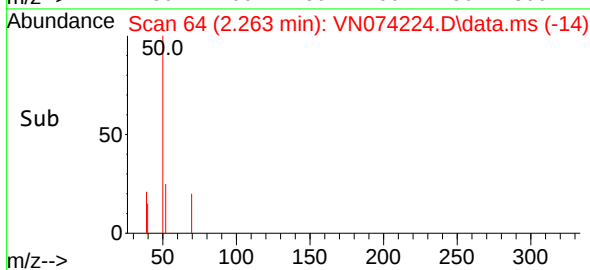
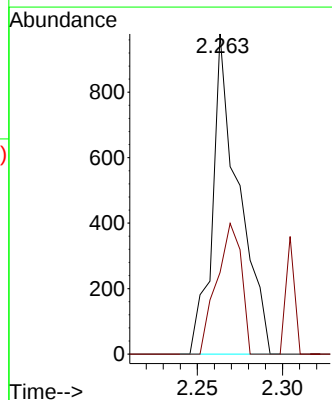
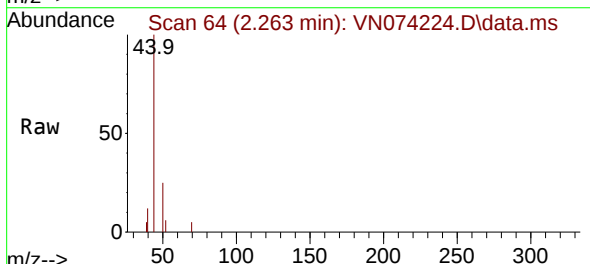
Instrument :
MSVOA_N
ClientSampleId :

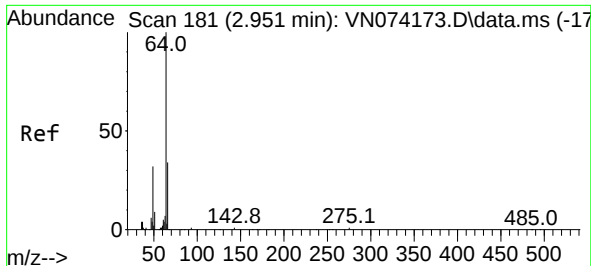
Tgt Ion:168 Resp: 184858
Ion Ratio Lower Upper
168 100
99 53.5 42.3 63.5



#3
Chloromethane
Concen: 0.388 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

Tgt Ion: 50 Resp: 1045
Ion Ratio Lower Upper
50 100
52 25.5 25.7 38.5#

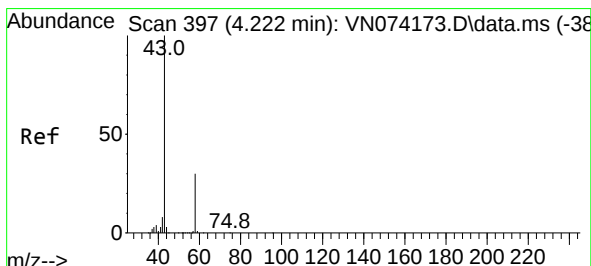
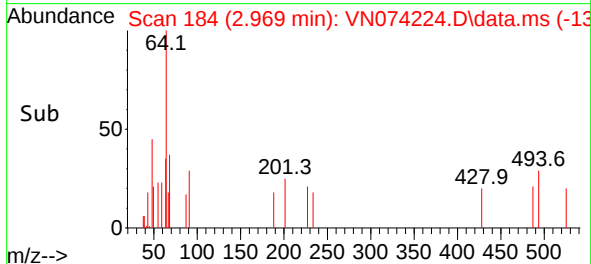
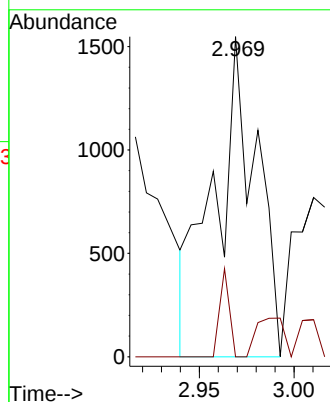
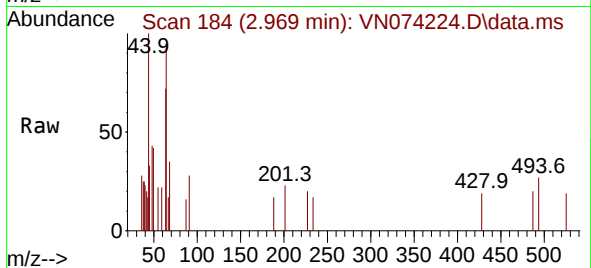




#6
Chloroethane
Concen: Below Cal
RT: 2.969 min Scan# 184
Delta R.T. 0.018 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

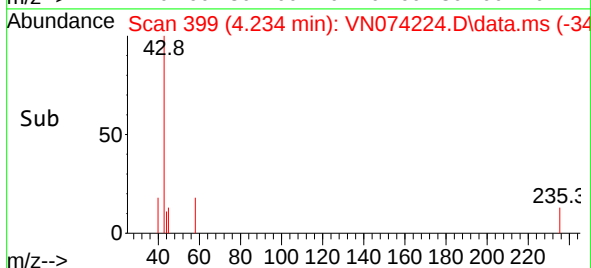
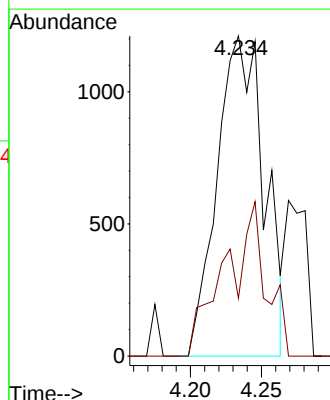
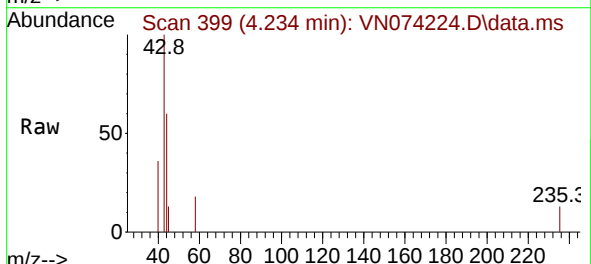
Instrument :
MSVOA_N
ClientSampleId :

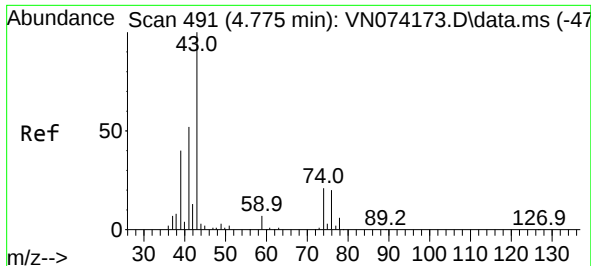
Tgt Ion: 64 Resp: 2388
Ion Ratio Lower Upper
64 100
66 10.0 26.2 39.4#



#16
Acetone
Concen: 1.454 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

Tgt Ion: 43 Resp: 2787
Ion Ratio Lower Upper
43 100
58 18.0 26.0 39.0#

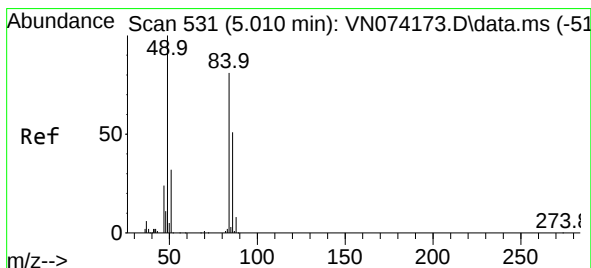
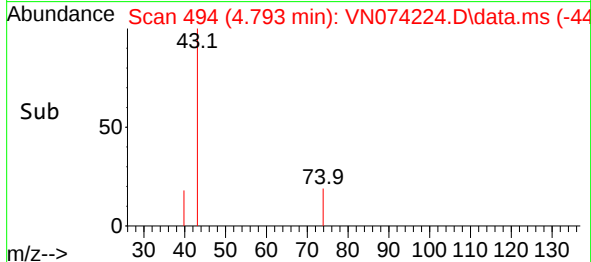
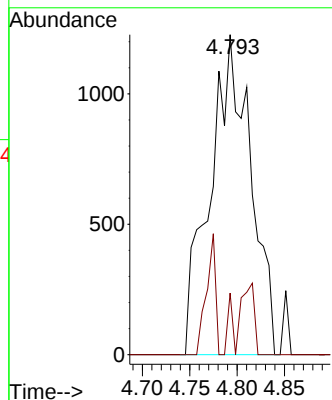
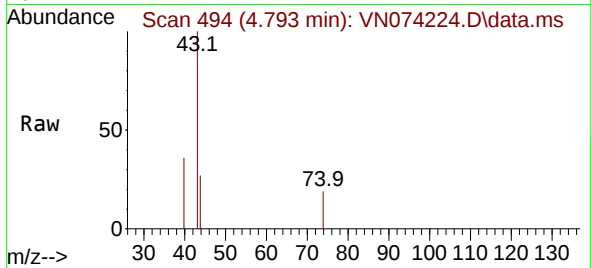




#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 491
Delta R.T. 0.018 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

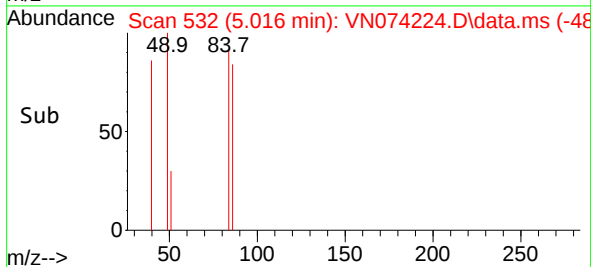
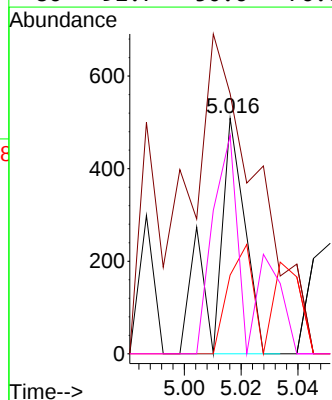
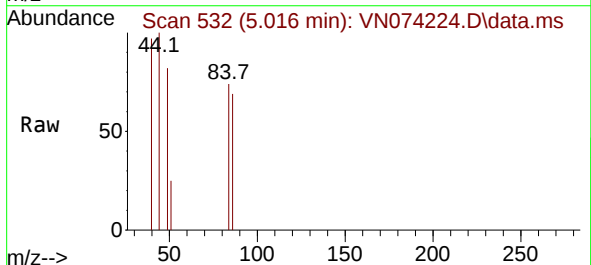
Instrument :
MSVOA_N
ClientSampleId :

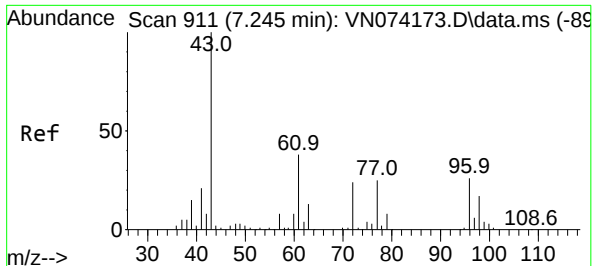
Tgt Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
74 8.5 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

Tgt Ion: 84 Resp: 366
Ion Ratio Lower Upper
84 100
49 77.4 88.3 132.5#
51 33.4 28.2 42.2
86 92.7 50.6 76.0#





#26

2,2-Dichloropropane

Concen: 0.286 ug/l

RT: 7.028 min Scan# 81

Delta R.T. -0.217 min

Lab File: VN074224.D

Acq: 31 Aug 2022 19:16

Instrument :

MSVOA_N

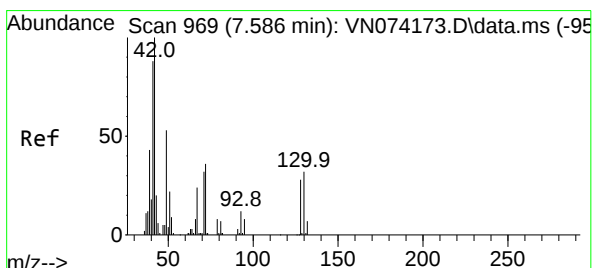
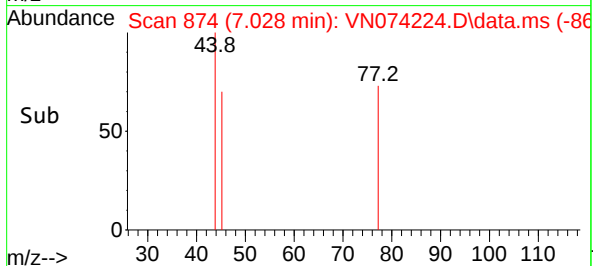
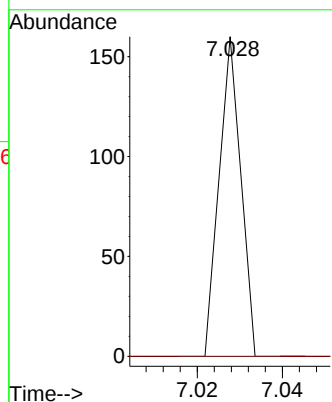
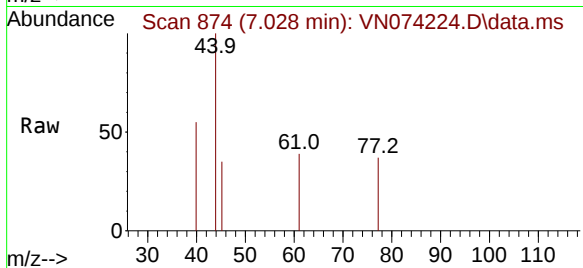
ClientSampleId :

Tgt Ion: 77 Resp: 56

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.392 min Scan# 936

Delta R.T. -0.194 min

Lab File: VN074224.D

Acq: 31 Aug 2022 19:16

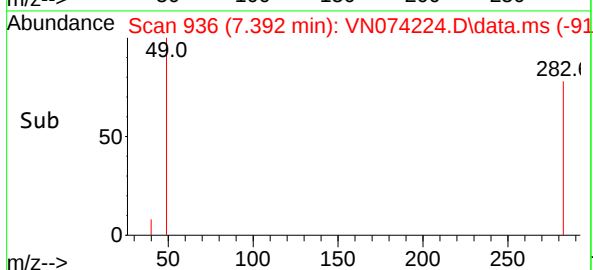
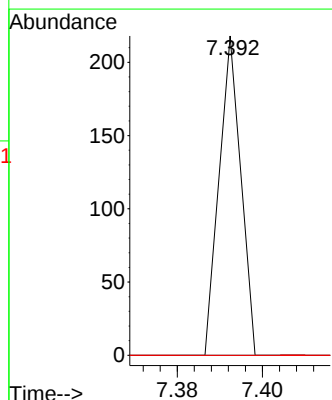
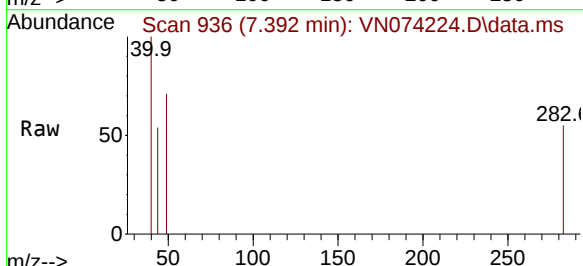
Tgt Ion: 49 Resp: 77

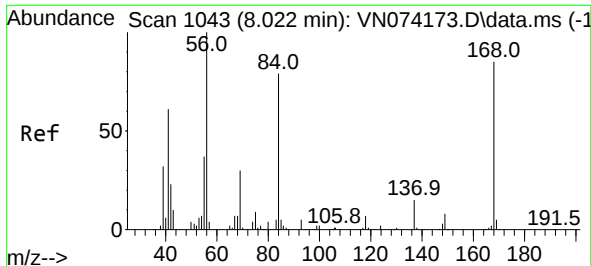
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

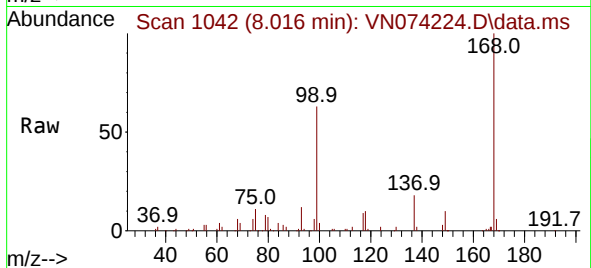
130 0.0 69.7 104.5#



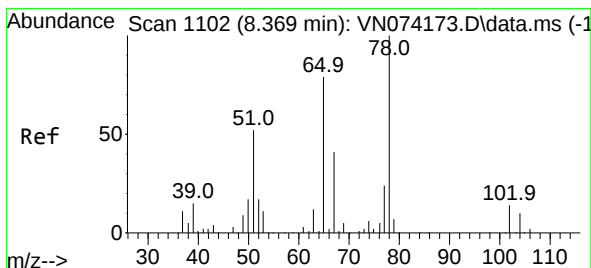
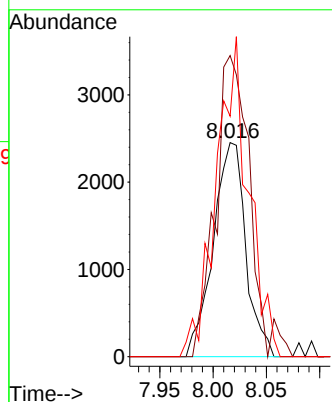
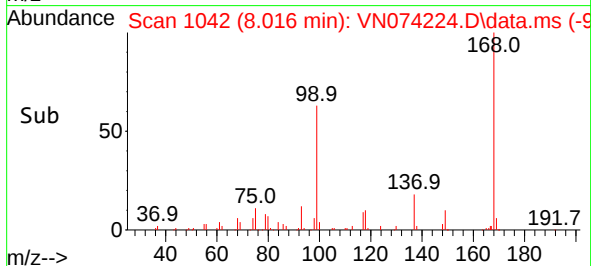


#31
Cyclohexane
Concen: 1.096 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

Instrument :
MSVOA_N
ClientSampleId :

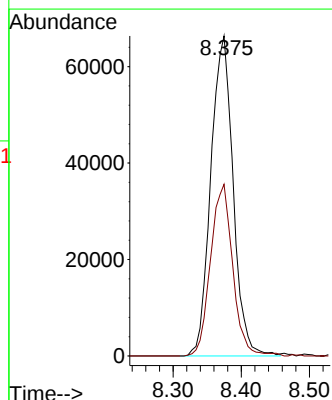
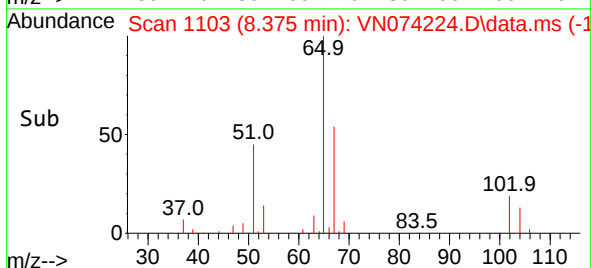
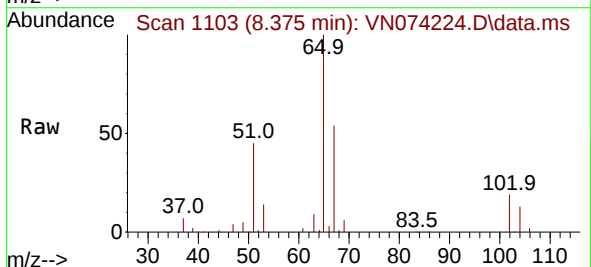


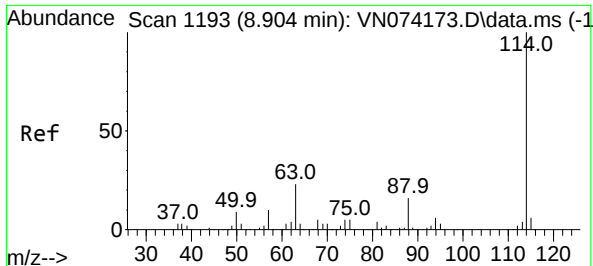
Tgt Ion: 56 Resp: 5195
Ion Ratio Lower Upper
56 100
69 140.6 27.8 41.8#
84 112.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 52.759 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

Tgt Ion: 65 Resp: 151292
Ion Ratio Lower Upper
65 100
67 53.4 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: VN074224.D

Acq: 31 Aug 2022 19:16

Instrument :

MSVOA_N

ClientSampleId :

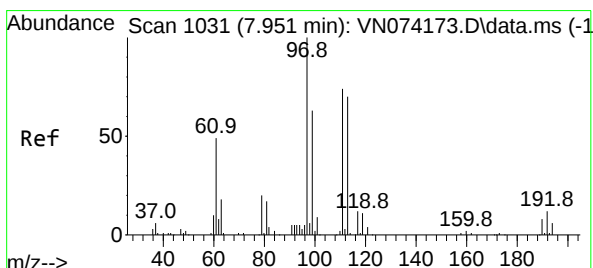
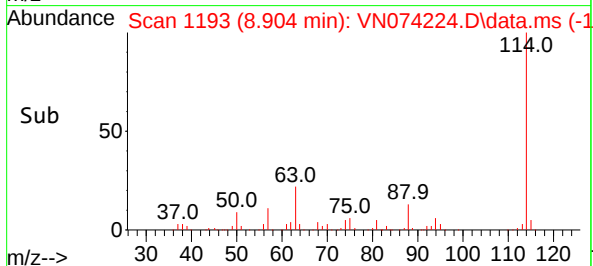
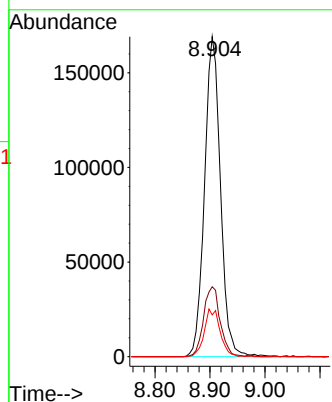
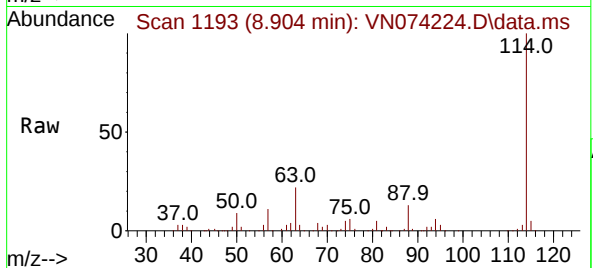
Tgt Ion:114 Resp: 340774

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 13.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.015 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074224.D

Acq: 31 Aug 2022 19:16

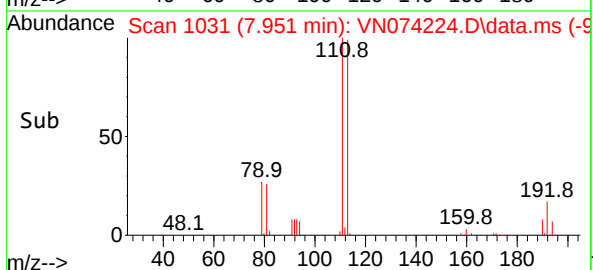
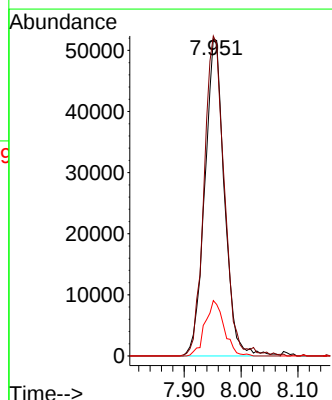
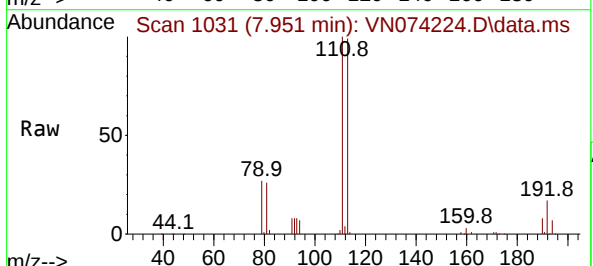
Tgt Ion:113 Resp: 124212

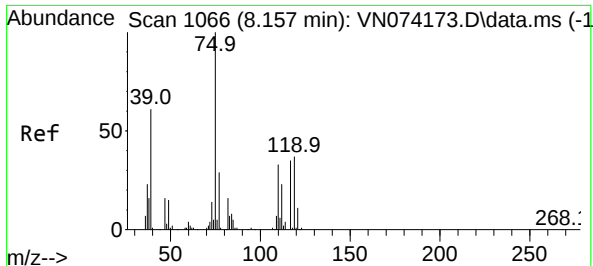
Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.0

192 17.0 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.953 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

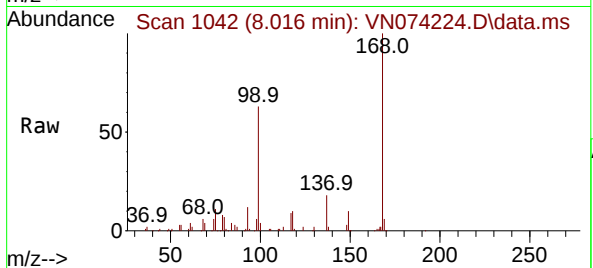
Lab File: VN074224.D

Acq: 31 Aug 2022 19:16

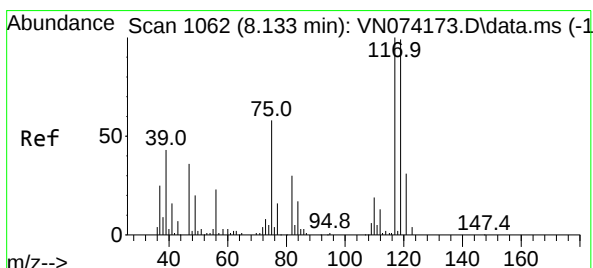
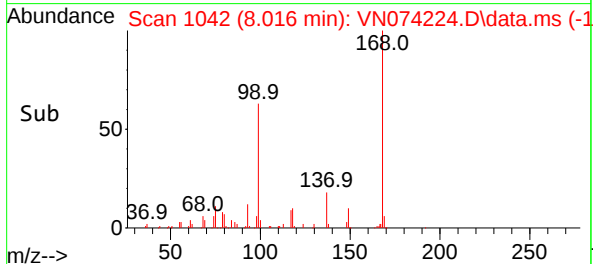
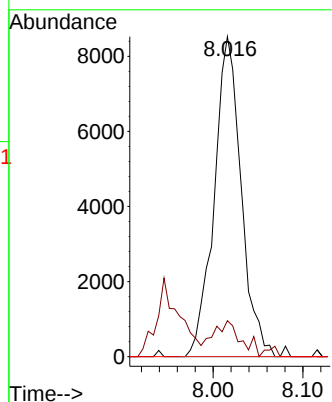
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	17821
Ion	Ratio	Lower	Upper
75	100		
110	12.1	18.3	54.8#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 5.666 ug/l

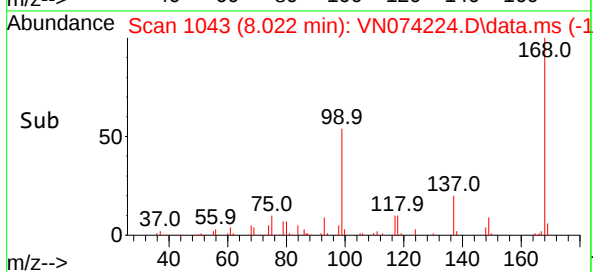
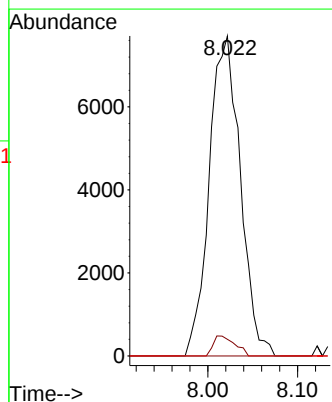
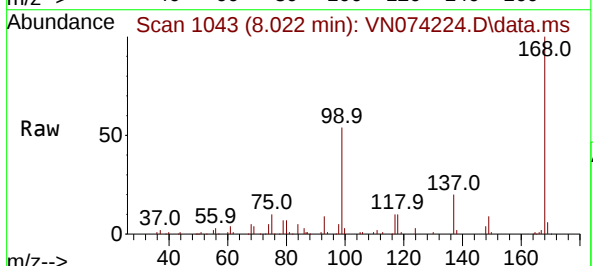
RT: 8.022 min Scan# 1043

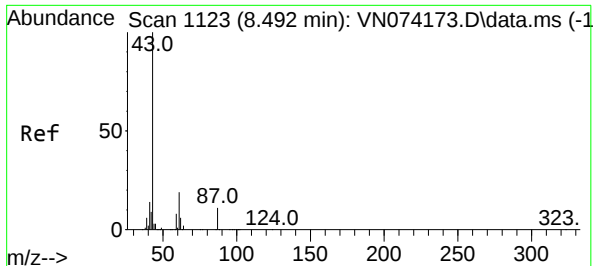
Delta R.T. -0.111 min

Lab File: VN074224.D

Acq: 31 Aug 2022 19:16

Tgt Ion:	117	Resp:	18509
Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.8	113.8#
121	0.0	24.6	37.0#





#43

Isopropyl Acetate

Concen: 0.405 ug/l

RT: 8.581 min Scan# 1123

Delta R.T. 0.088 min

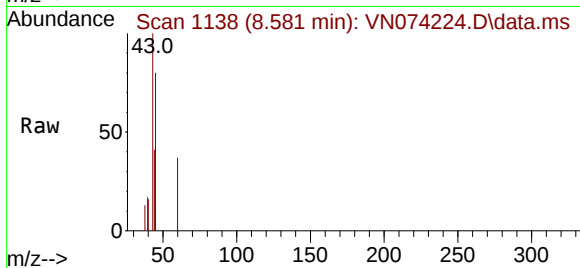
Lab File: VN074224.D

Acq: 31 Aug 2022 19:16

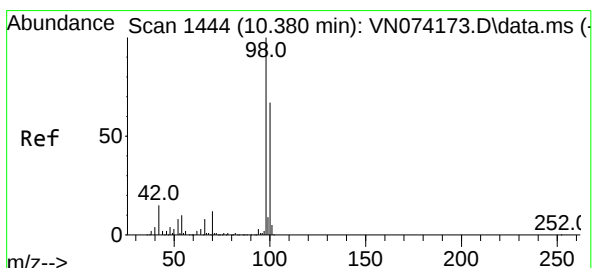
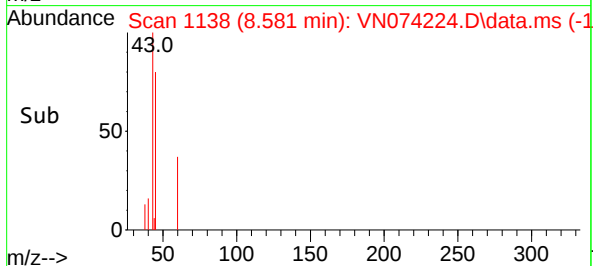
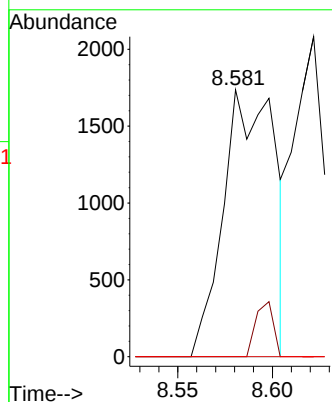
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 3280
Ion Ratio	Lower Upper
43 100	
61 7.0	21.9 32.9#
87 0.0	12.0 18.0#



#50

Toluene-d8

Concen: 46.366 ug/l

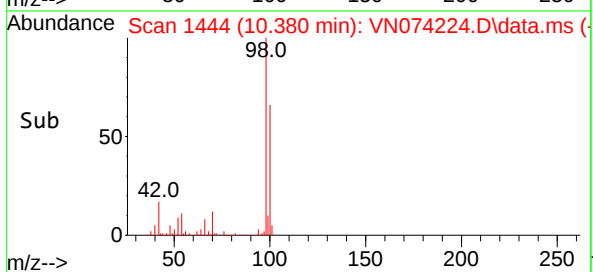
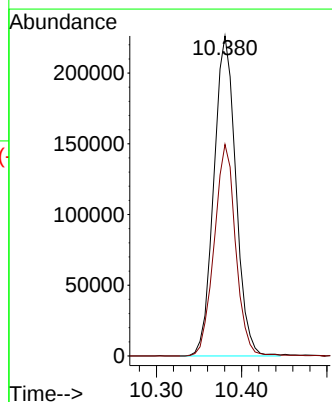
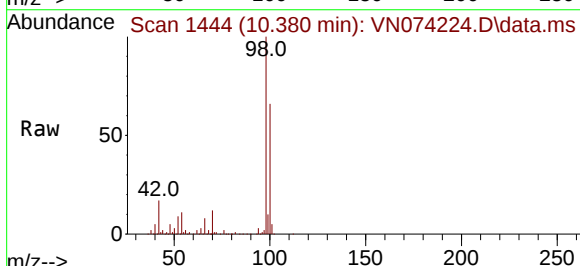
RT: 10.380 min Scan# 1444

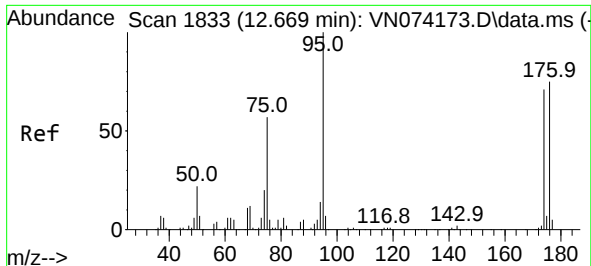
Delta R.T. 0.000 min

Lab File: VN074224.D

Acq: 31 Aug 2022 19:16

Tgt Ion: 98	Resp: 404904
Ion Ratio	Lower Upper
98 100	
100 64.7	52.6 78.8

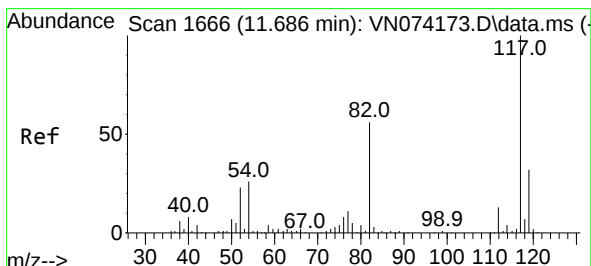
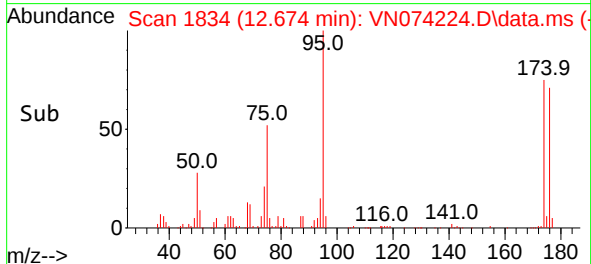
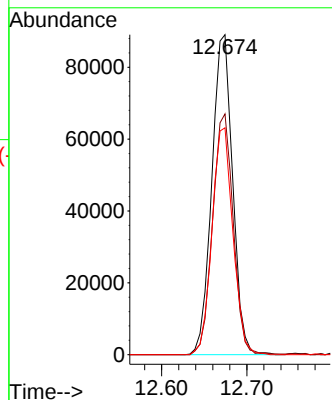
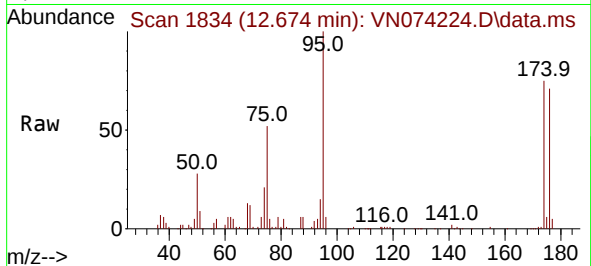




#62
4-Bromofluorobenzene
Concen: 56.835 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

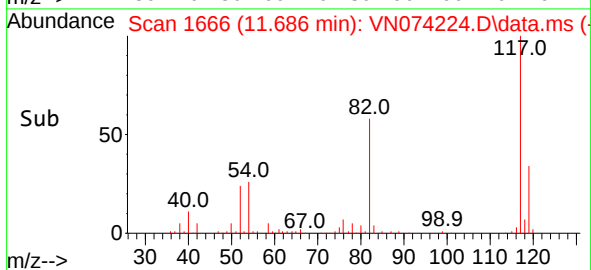
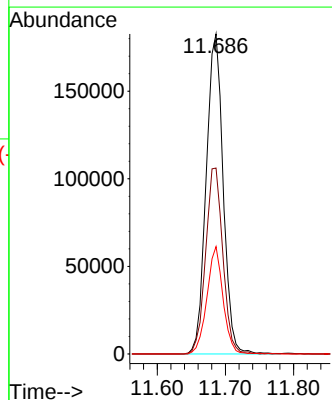
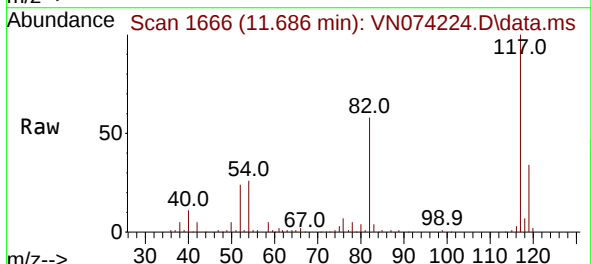
Instrument :
MSVOA_N
ClientSampleId :

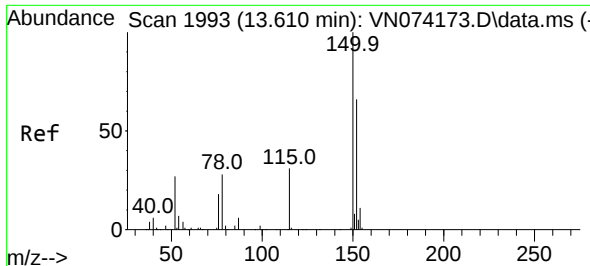
Tgt Ion: 95 Resp: 150936
Ion Ratio Lower Upper
95 100
174 74.6 0.0 167.6
176 71.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

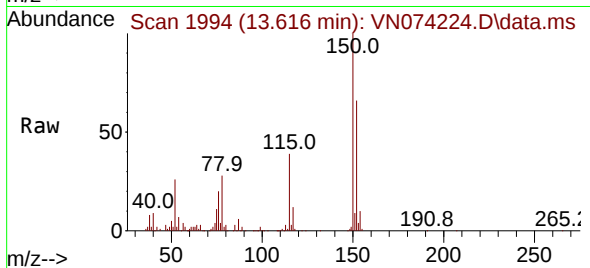
Tgt Ion: 117 Resp: 316472
Ion Ratio Lower Upper
117 100
82 58.1 44.2 66.2
119 33.6 25.4 38.0



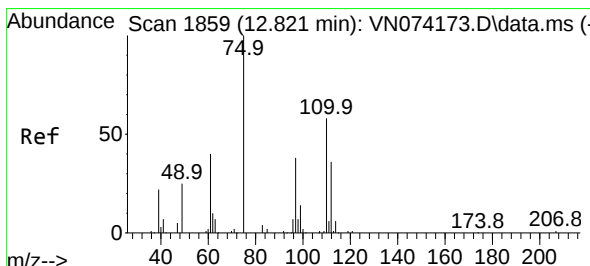
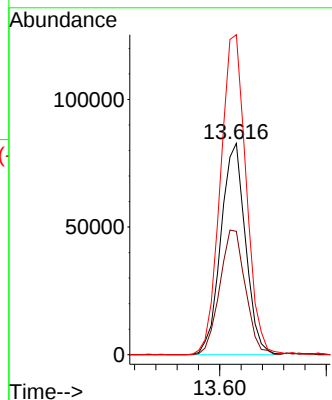
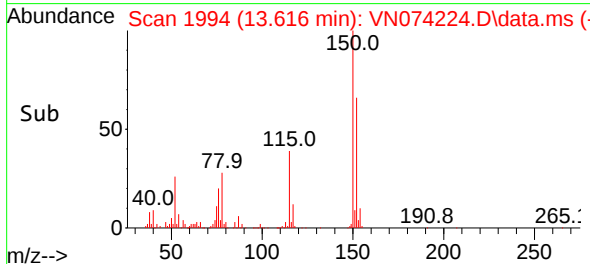


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.006 min
 Lab File: VN074224.D
 Acq: 31 Aug 2022 19:16

Instrument :
 MSVOA_N
 ClientSampleId :

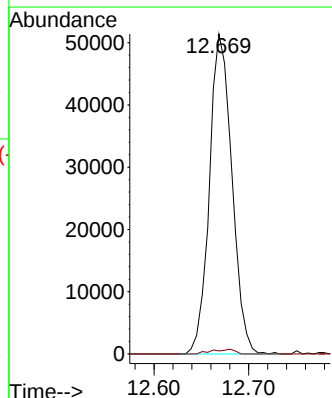
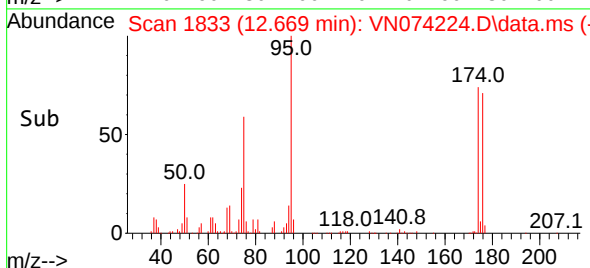
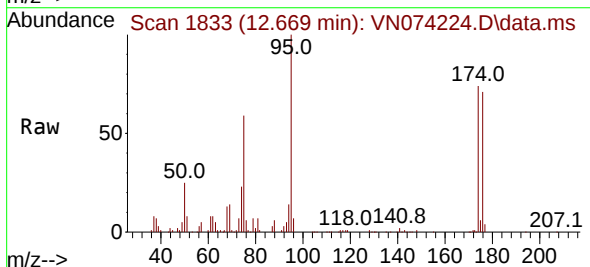


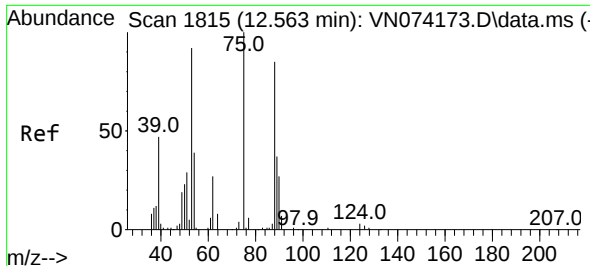
Tgt Ion:152 Resp: 132722
 Ion Ratio Lower Upper
 152 100
 115 61.4 28.9 86.7
 150 158.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 25.833 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074224.D
 Acq: 31 Aug 2022 19:16

Tgt Ion: 75 Resp: 84982
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

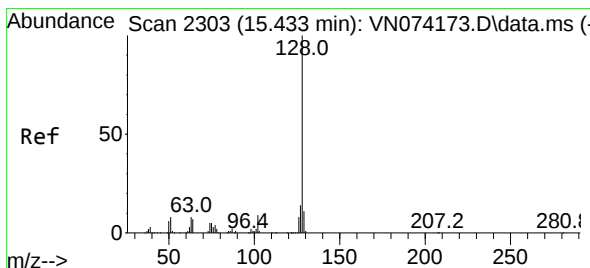
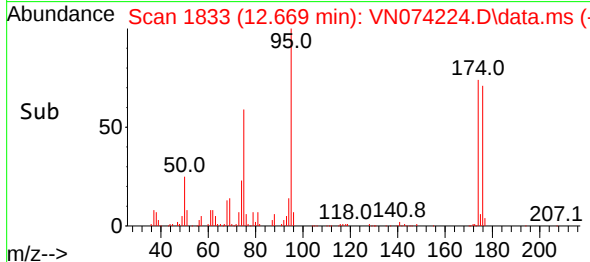
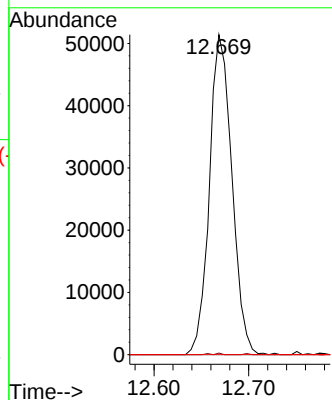
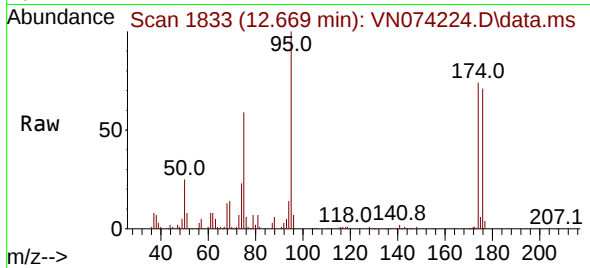




#81
trans-1,4-Dichloro-2-butene
Concen: 66.462 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 84982
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.178 ug/l
RT: 15.445 min Scan# 2305
Delta R.T. 0.012 min
Lab File: VN074224.D
Acq: 31 Aug 2022 19:16

Tgt Ion: 128 Resp: 274
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 21.2 8.6 13.0#

