

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074209.D
 Acq On : 31 Aug 2022 13:07
 Operator : JC\MD
 Sample : N4444-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:23:26 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)

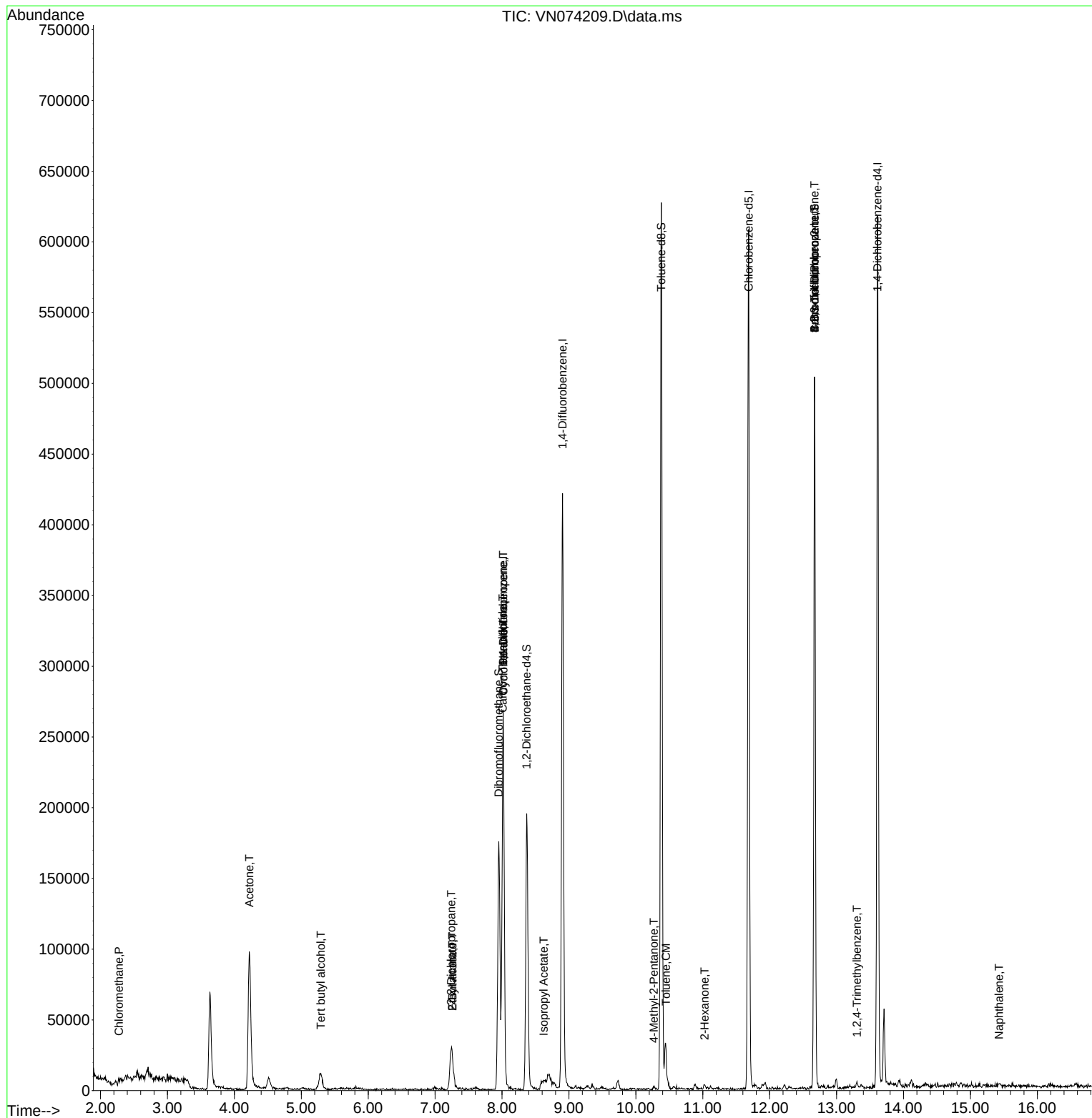
Internal Standards						
1) Pentafluorobenzene	8.016	168	187763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	342527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	324269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	147373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	149750	51.413	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.820%	
35) Dibromofluoromethane	7.951	113	125164	56.155	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.320%	
50) Toluene-d8	10.381	98	404628	46.097	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.200%	
62) 4-Bromofluorobenzene	12.669	95	155768	58.355	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	795	0.291	ug/l #	43
6) Chloroethane	2.934	64	464	Below Cal		90
11) Tert butyl alcohol	5.293	59	19016	21.878	ug/l #	90
16) Acetone	4.222	43	181198	93.100	ug/l	100
18) Methyl Acetate	4.781	43	2005	Below Cal	#	68
20) Methylene Chloride	5.016	84	358	Below Cal	#	42
25) 2-Butanone	7.257	43	18884	6.065	ug/l #	82
26) 2,2-Dichloropropane	7.240	77	1957	0.880	ug/l #	53
28) Bromochloromethane	7.628	49	55	Below Cal	#	8
31) Cyclohexane	8.022	56	5860	1.218	ug/l #	44
36) 1,1-Dichloropropene	8.016	75	17884	4.945	ug/l #	48
37) Ethyl Acetate	7.257	43	18884	3.122	ug/l #	80
38) Carbon Tetrachloride	8.010	117	20885	6.358	ug/l #	14
43) Isopropyl Acetate	8.622	43	9336	1.148	ug/l #	53
51) 4-Methyl-2-Pentanone	10.269	43	1721	0.292	ug/l #	83
52) Toluene	10.451	92	12888	1.926	ug/l	89
59) 2-Hexanone	11.028	43	3459	0.772	ug/l	67
71) Bromoform	12.669	173	1584	0.721	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	85926	23.326	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	85926	60.519	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	2456	0.248	ug/l	91
95) Naphthalene	15.427	128	2748	1.391	ug/l #	72

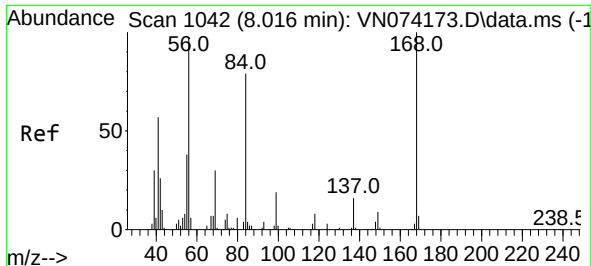
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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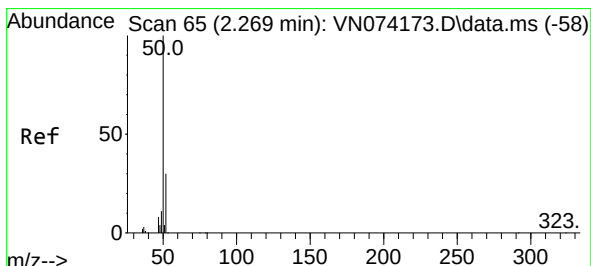
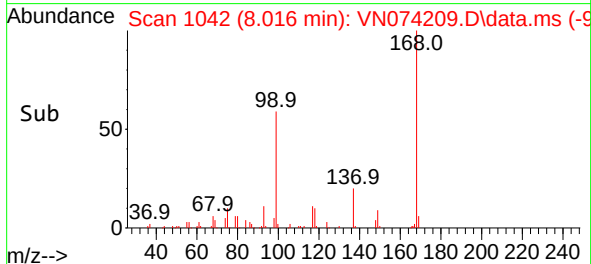
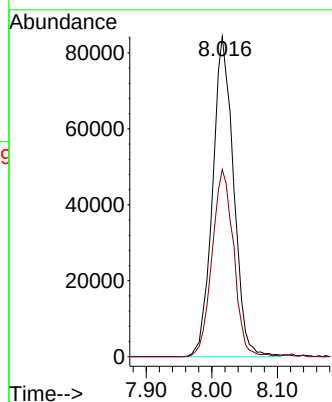
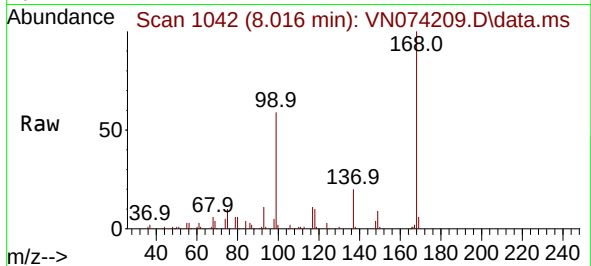




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

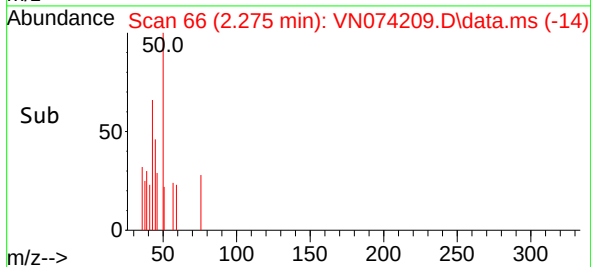
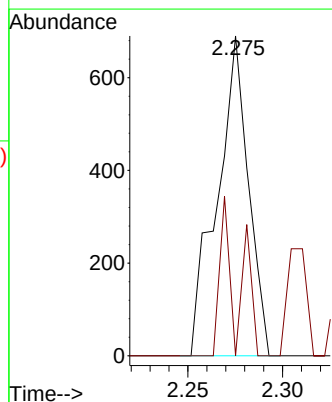
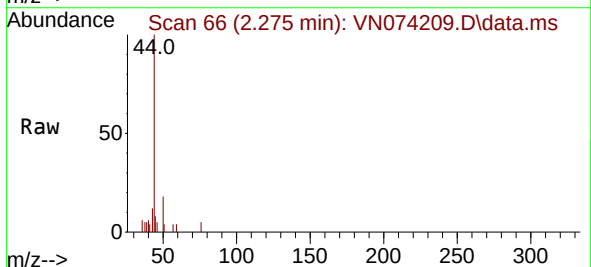
Instrument :
MSVOA_N
ClientSampleId :

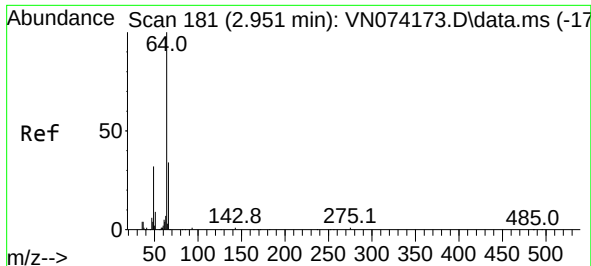
Tgt Ion:168 Resp: 187763
Ion Ratio Lower Upper
168 100
99 58.5 42.3 63.5



#3
Chloromethane
Concen: 0.291 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion: 50 Resp: 795
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

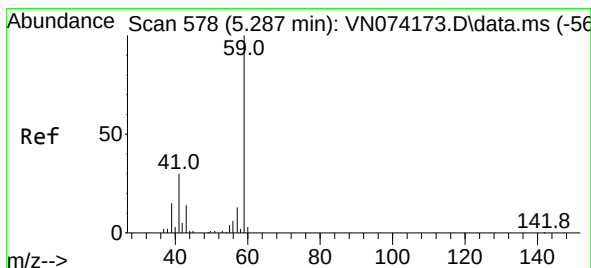
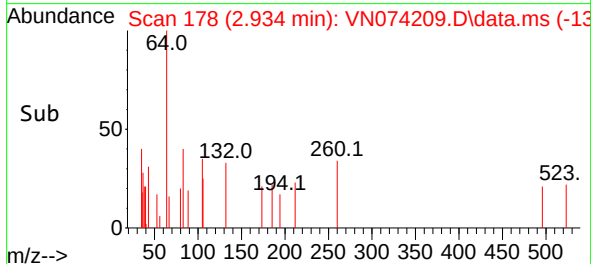
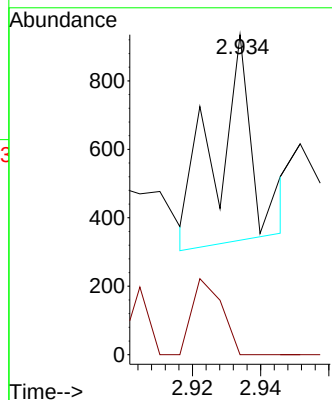
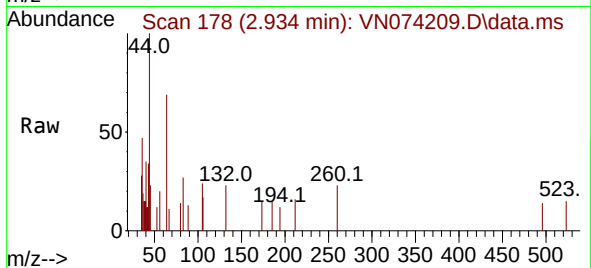




#6
Chloroethane
Concen: Below Cal
RT: 2.934 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

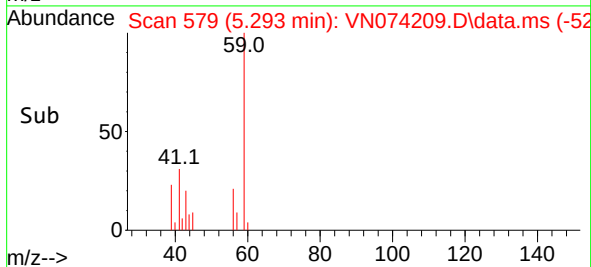
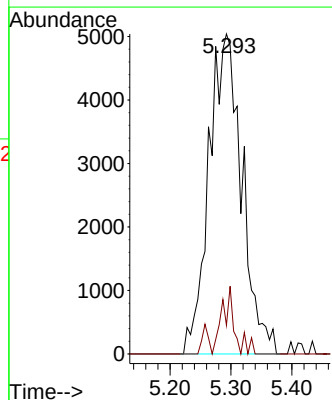
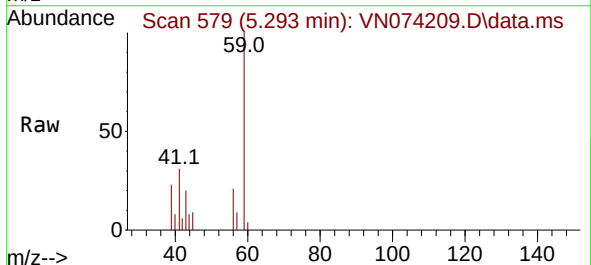
Instrument :
MSVOA_N
ClientSampleId :

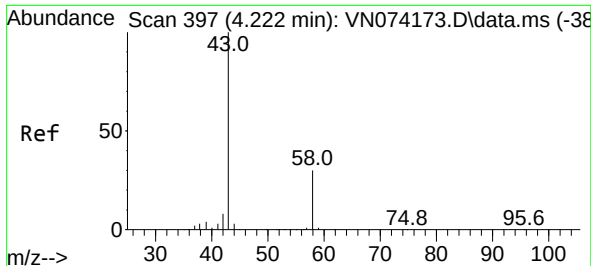
Tgt Ion: 64 Resp: 464
Ion Ratio Lower Upper
64 100
66 26.9 26.2 39.4



#11
Tert butyl alcohol
Concen: 21.878 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion: 59 Resp: 19016
Ion Ratio Lower Upper
59 100
57 6.8 8.3 12.5#

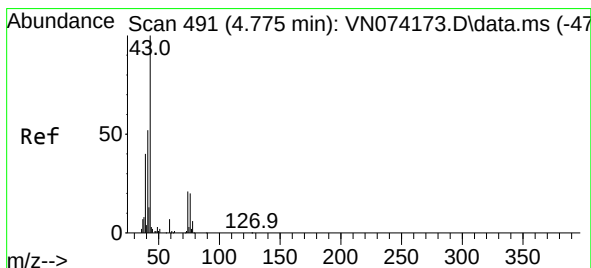
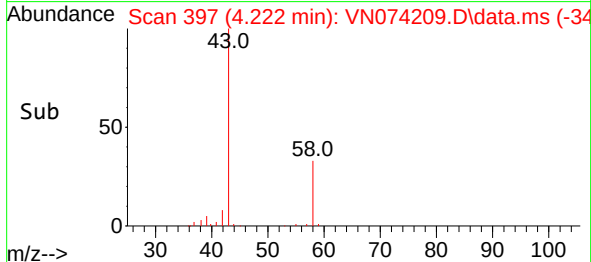
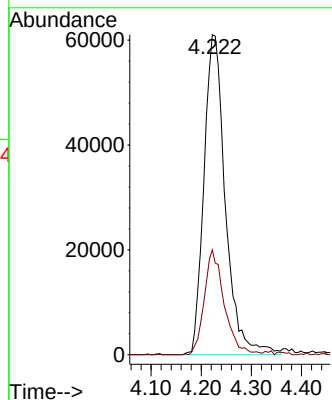
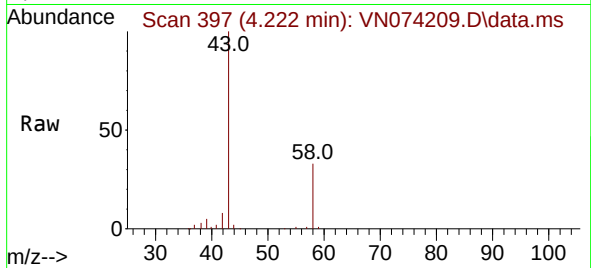




#16
Acetone
Concen: 93.100 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

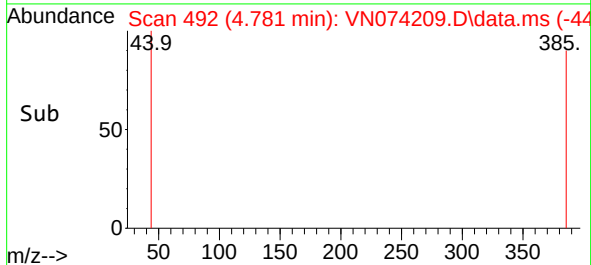
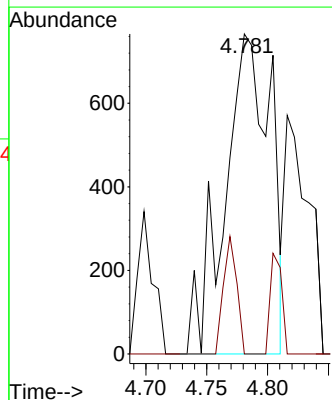
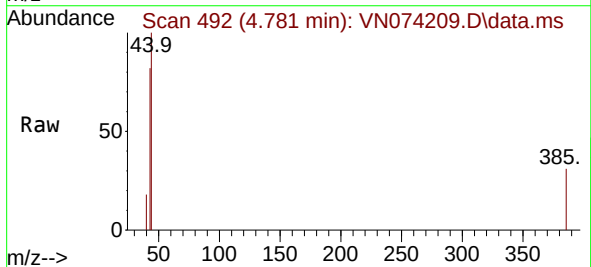
Instrument :
MSVOA_N
ClientSampleId :

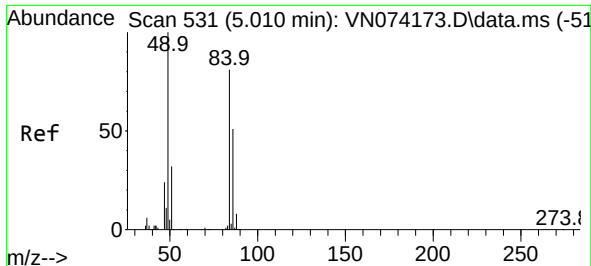
Tgt Ion: 43 Resp: 181198
Ion Ratio Lower Upper
43 100
58 32.8 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

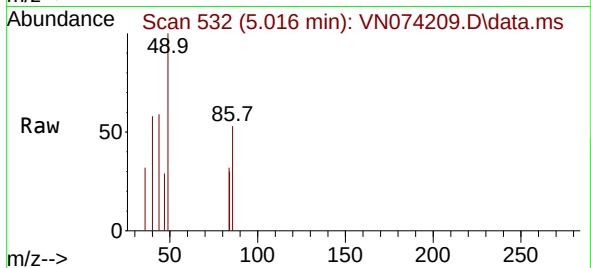
Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
74 10.7 21.6 32.4#



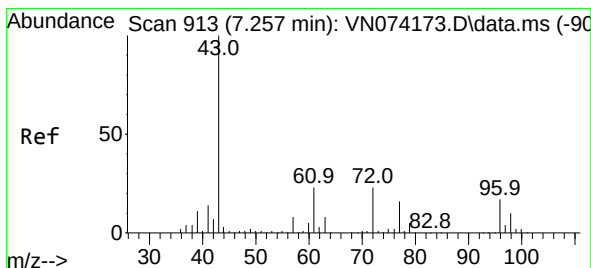
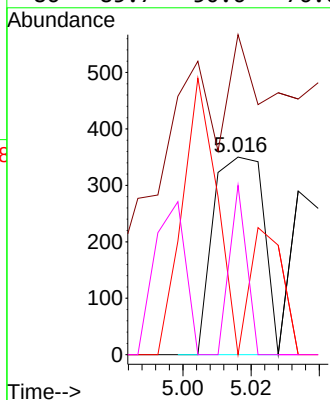
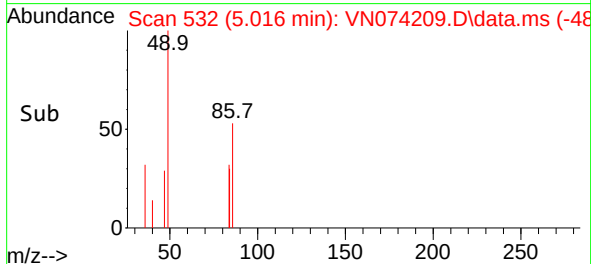


#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Instrument :
MSVOA_N
ClientSampleId :

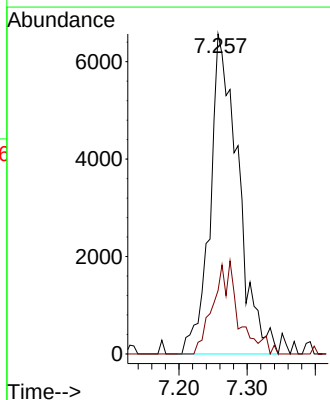
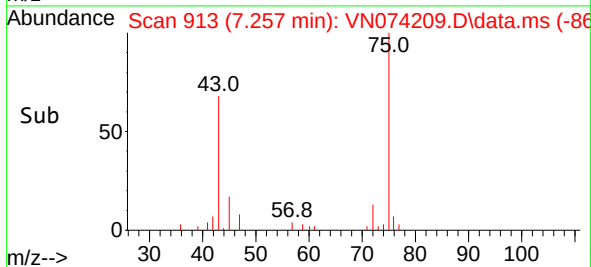
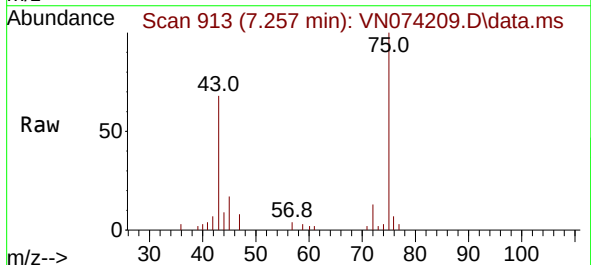


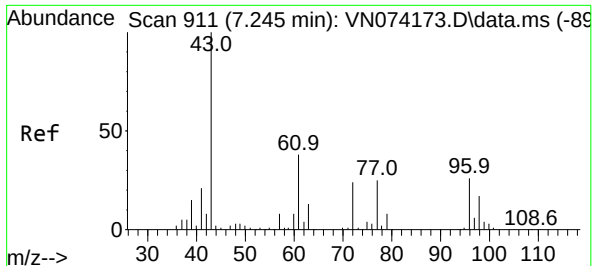
Tgt Ion:	84	Resp:	358
Ion	Ratio	Lower	Upper
84	100		
49	31.1	88.3	132.5#
51	0.0	28.2	42.2#
86	85.7	50.6	76.0#



#25
2-Butanone
Concen: 6.065 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion:	43	Resp:	18884
Ion	Ratio	Lower	Upper
43	100		
72	19.8	23.7	35.5#





#26

2,2-Dichloropropane

Concen: 0.880 ug/l

RT: 7.240 min Scan# 911

Delta R.T. -0.005 min

Lab File: VN074209.D

Acq: 31 Aug 2022 13:07

Instrument :

MSVOA_N

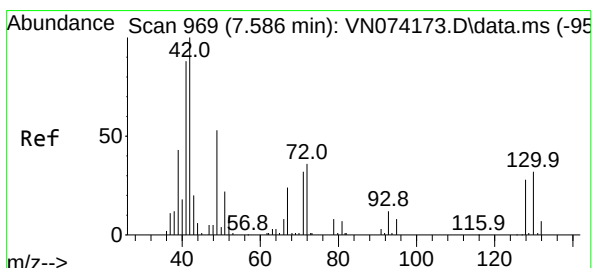
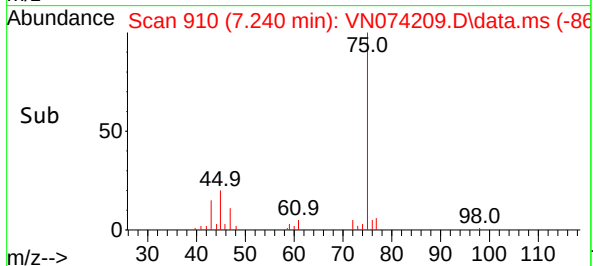
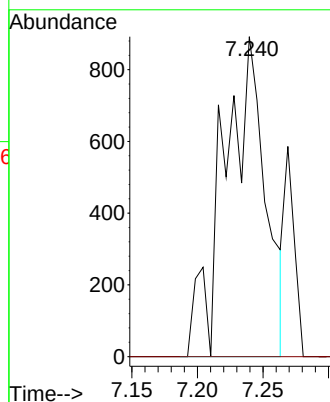
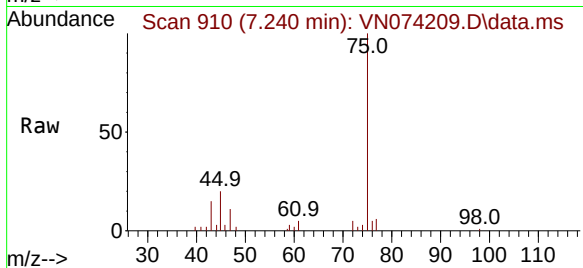
ClientSampleId :

Tgt Ion: 77 Resp: 1957

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.628 min Scan# 976

Delta R.T. 0.042 min

Lab File: VN074209.D

Acq: 31 Aug 2022 13:07

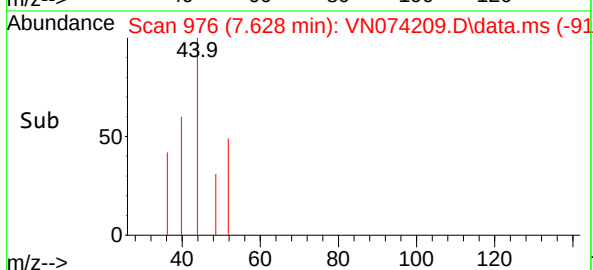
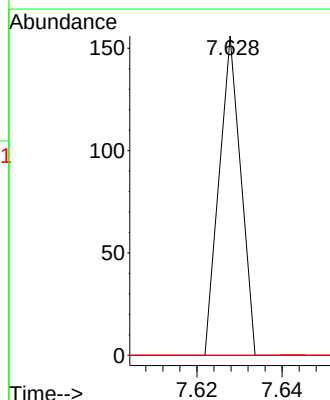
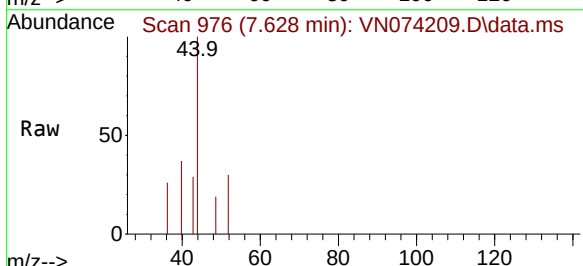
Tgt Ion: 49 Resp: 55

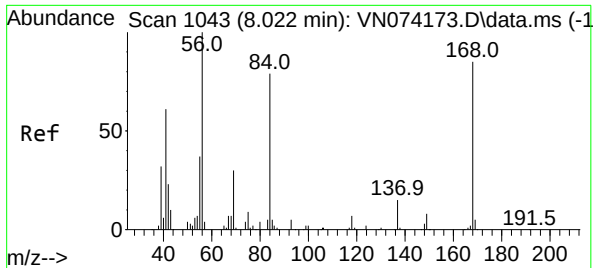
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

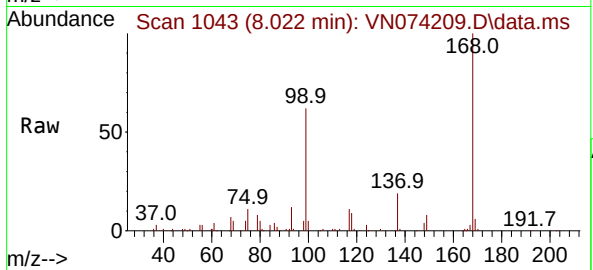
130 0.0 69.7 104.5#



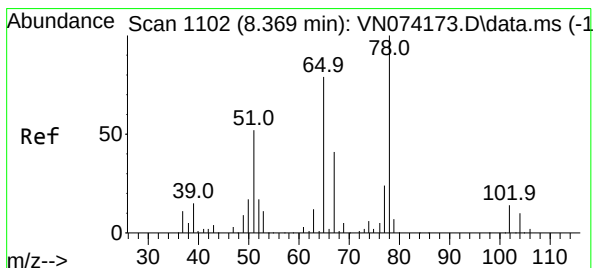
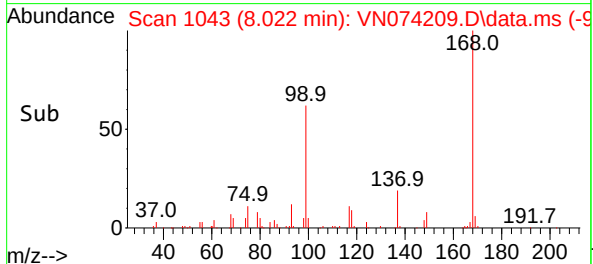
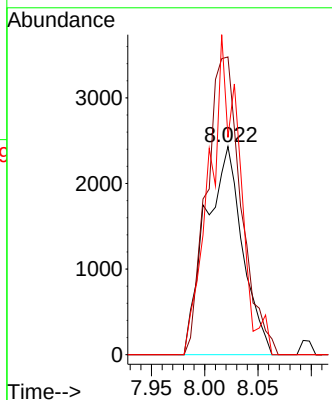


#31
Cyclohexane
Concen: 1.218 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Instrument :
MSVOA_N
ClientSampleId :

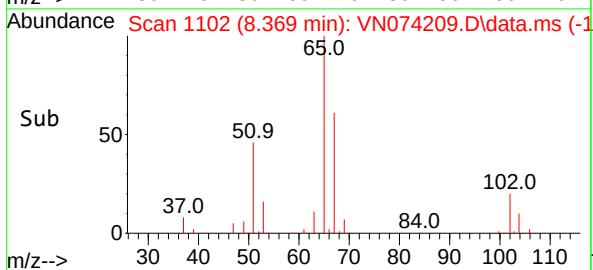
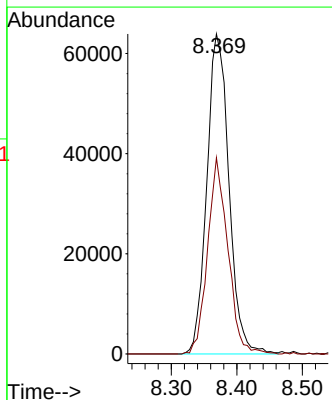
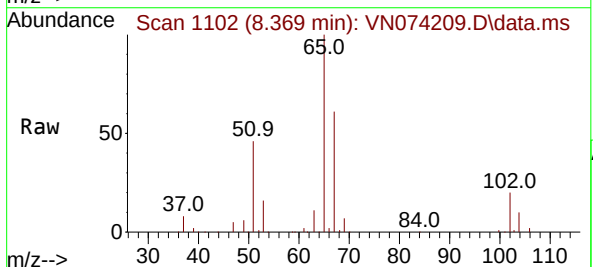


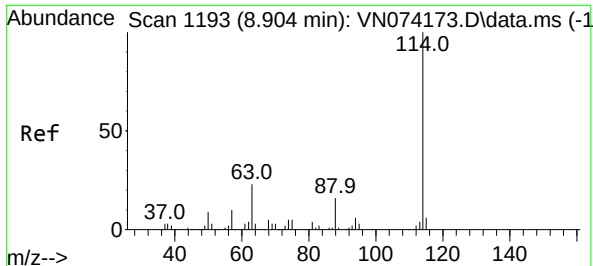
Tgt Ion: 56 Resp: 5860
Ion Ratio Lower Upper
56 100
69 143.0 27.8 41.8#
84 104.4 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 51.413 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion: 65 Resp: 149750
Ion Ratio Lower Upper
65 100
67 56.3 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: VN074209.D

Acq: 31 Aug 2022 13:07

Instrument :

MSVOA_N

ClientSampleId :

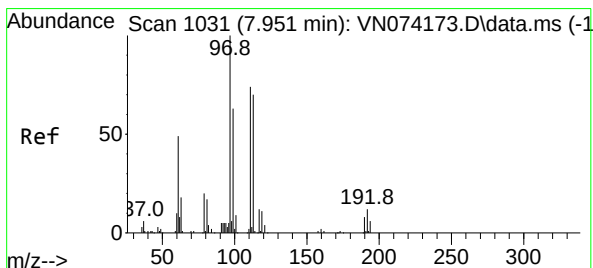
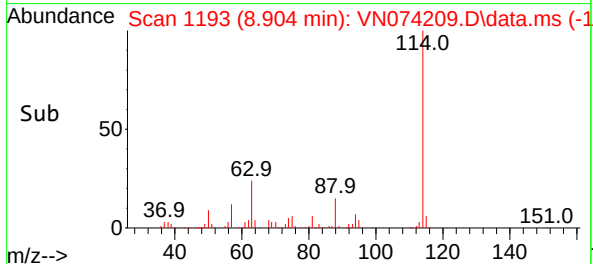
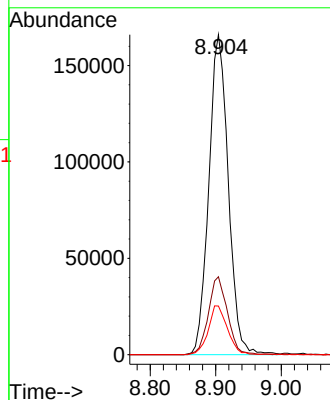
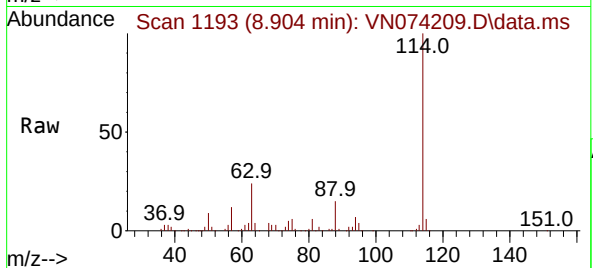
Tgt Ion:114 Resp: 342527

Ion Ratio Lower Upper

114 100

63 24.3 0.0 40.0

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.155 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074209.D

Acq: 31 Aug 2022 13:07

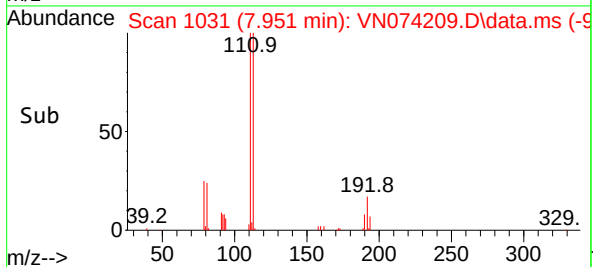
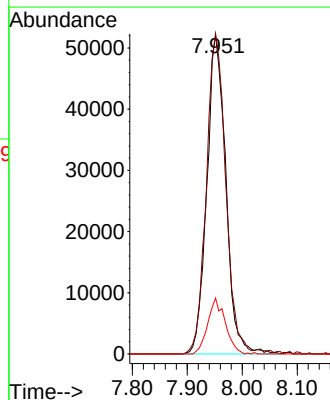
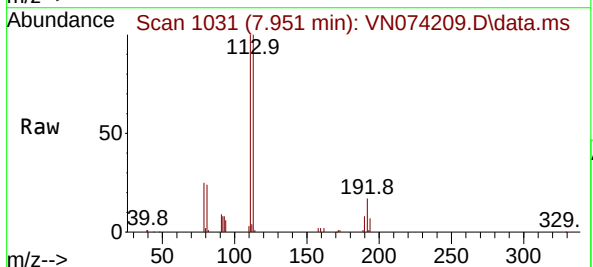
Tgt Ion:113 Resp: 125164

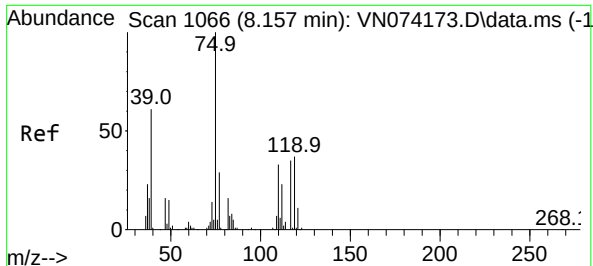
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 16.2 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.945 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.141 min

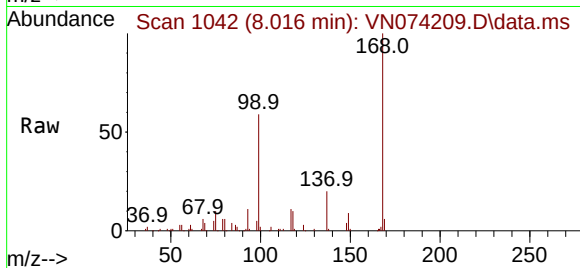
Lab File: VN074209.D

Acq: 31 Aug 2022 13:07

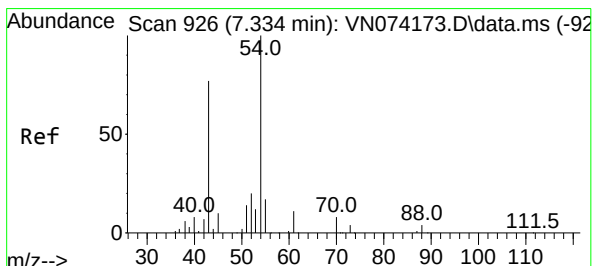
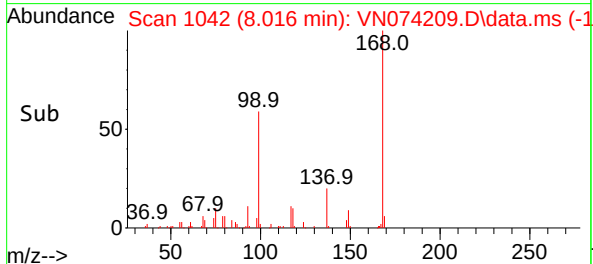
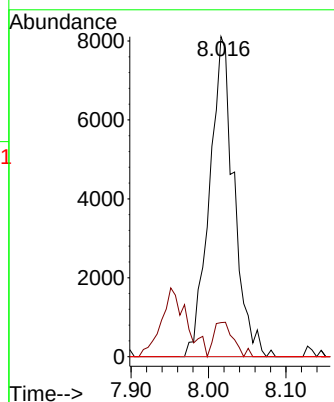
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	17884
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.3	54.8#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 3.122 ug/l

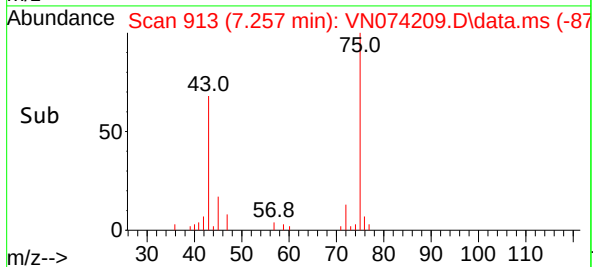
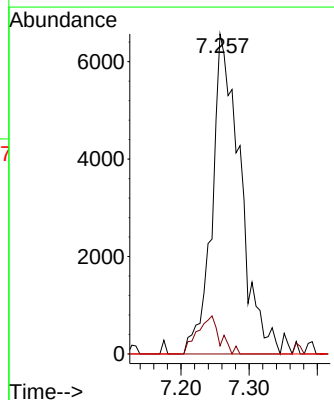
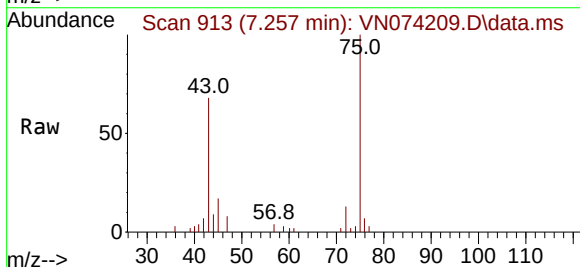
RT: 7.257 min Scan# 913

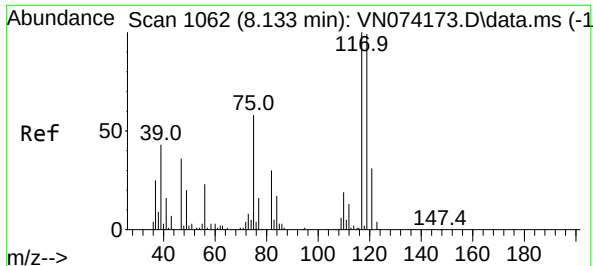
Delta R.T. -0.076 min

Lab File: VN074209.D

Acq: 31 Aug 2022 13:07

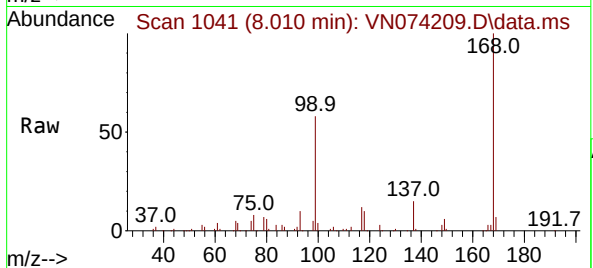
Tgt Ion:	43	Resp:	18884
Ion	Ratio	Lower	Upper
43	100		
61	9.4	11.8	17.6#
70	0.0	9.3	13.9#



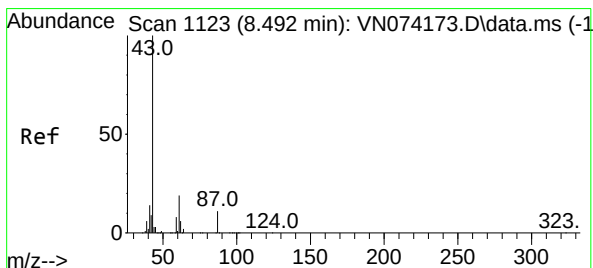
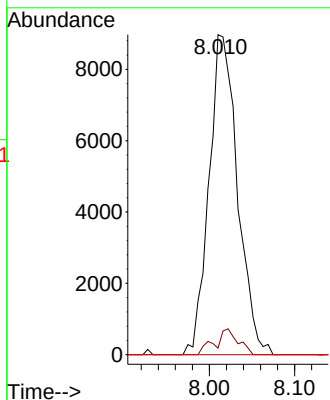
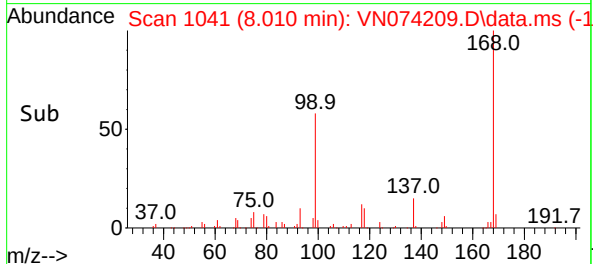


#38
Carbon Tetrachloride
Concen: 6.358 ug/l
RT: 8.010 min Scan# 1145
Delta R.T. -0.123 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

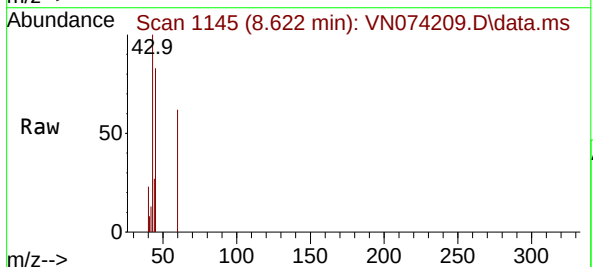
Instrument :
MSVOA_N
ClientSampleId :



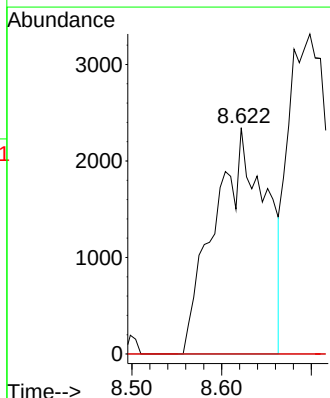
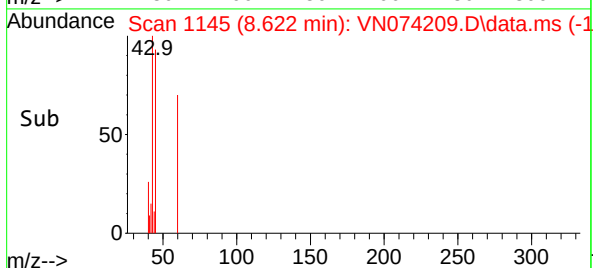
Tgt Ion:117 Resp: 20885
Ion Ratio Lower Upper
117 100
119 2.0 75.8 113.8#
121 0.0 24.6 37.0#

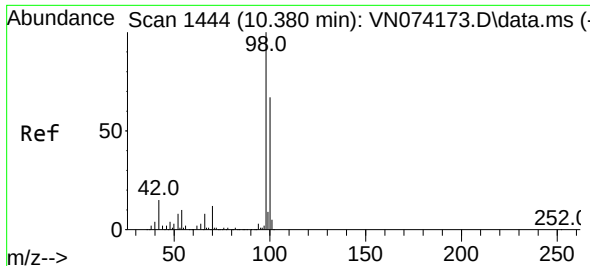


#43
Isopropyl Acetate
Concen: 1.148 ug/l
RT: 8.622 min Scan# 1145
Delta R.T. 0.130 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07



Tgt Ion: 43 Resp: 9336
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

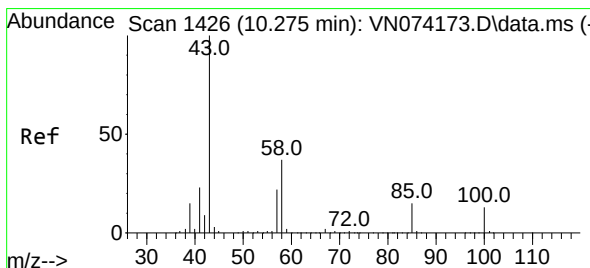
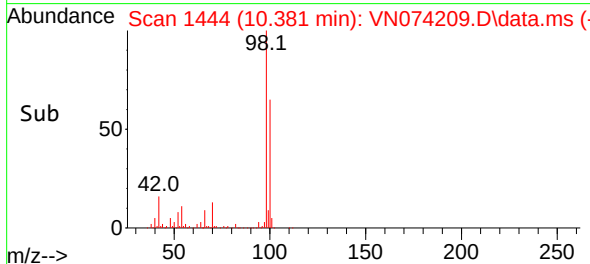
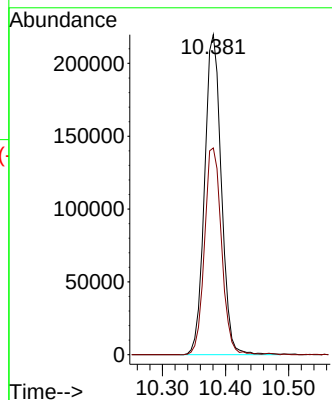
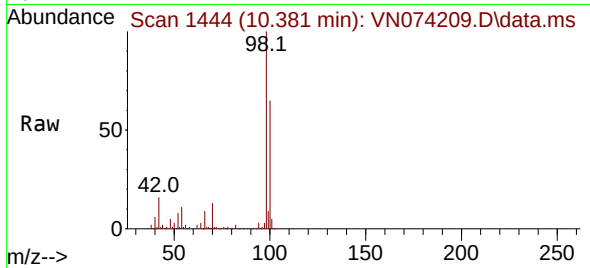




#50
Toluene-d8
Concen: 46.097 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

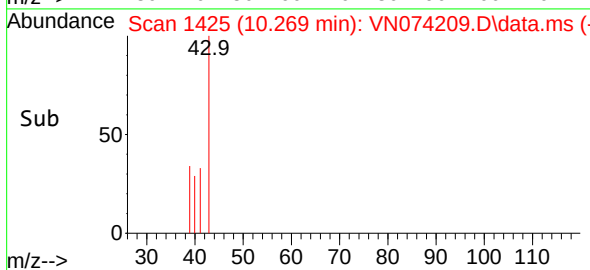
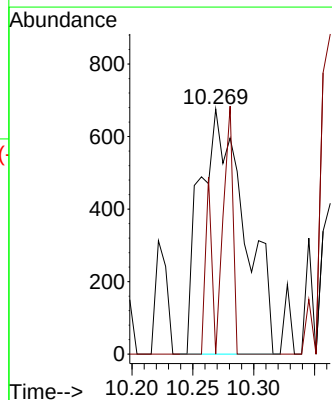
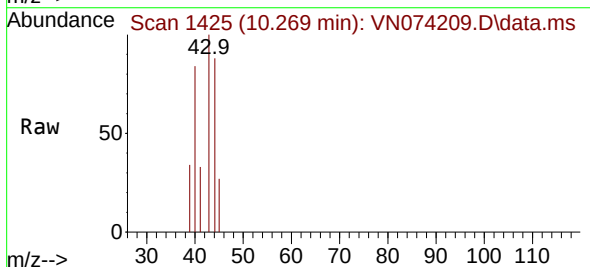
Instrument :
MSVOA_N
ClientSampleId :

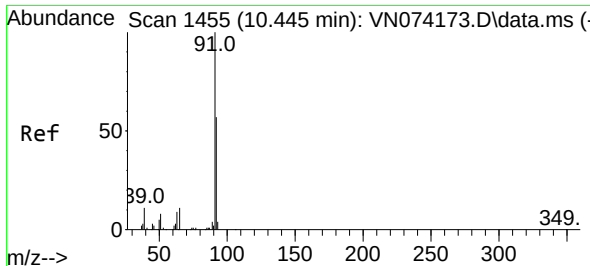
Tgt Ion: 98 Resp: 404628
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.292 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
58 31.7 34.1 51.1#

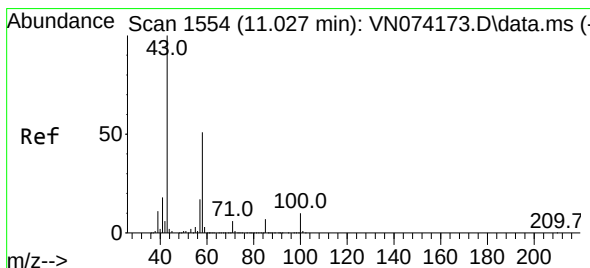
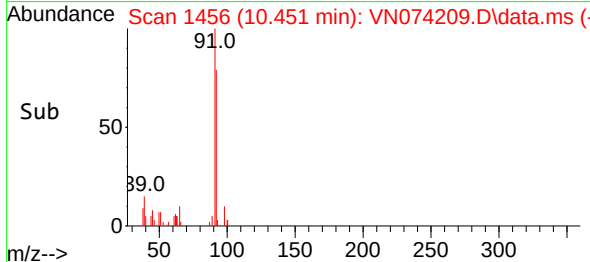
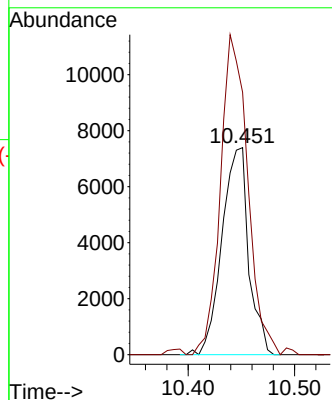
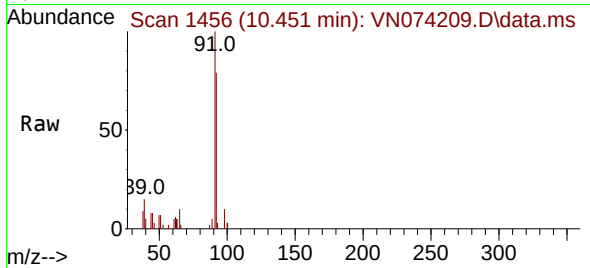




#52
Toluene
Concen: 1.926 ug/l
RT: 10.451 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

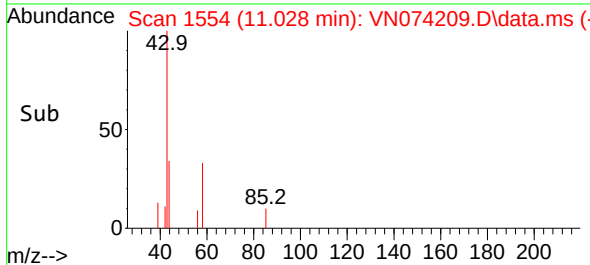
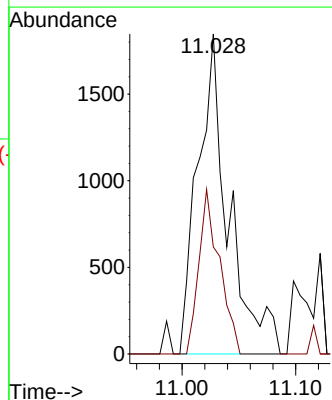
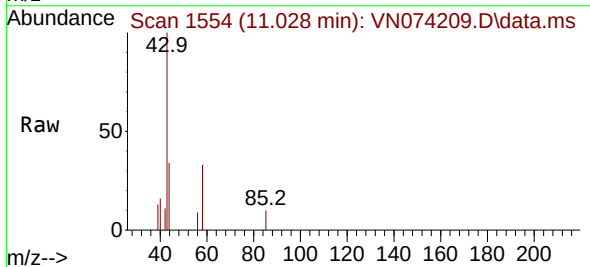
Instrument :
MSVOA_N
ClientSampleId :

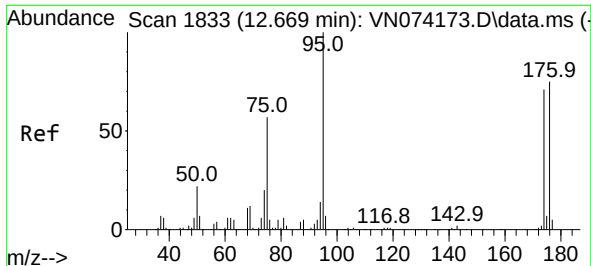
Tgt Ion: 92 Resp: 12888
Ion Ratio Lower Upper
92 100
91 158.4 138.6 207.8



#59
2-Hexanone
Concen: 0.772 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion: 43 Resp: 3459
Ion Ratio Lower Upper
43 100
58 34.8 29.7 89.1

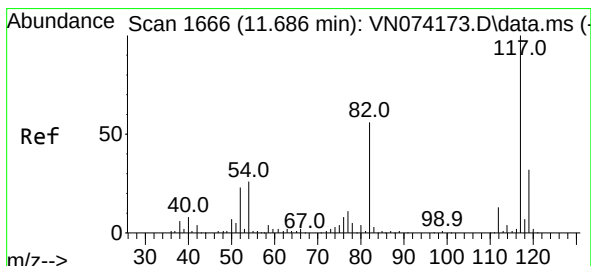
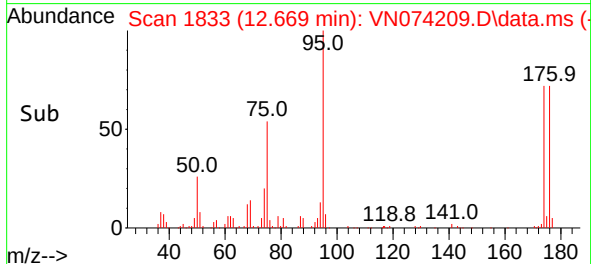
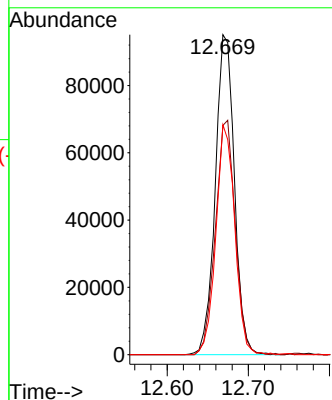
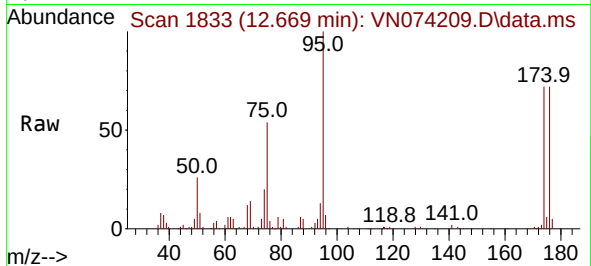




#62
4-Bromofluorobenzene
Concen: 58.355 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

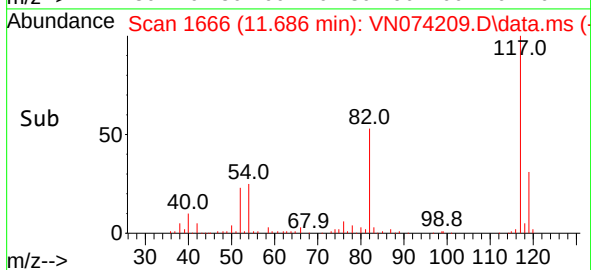
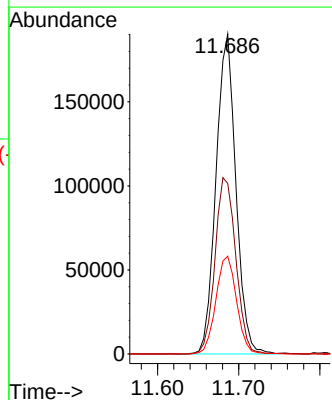
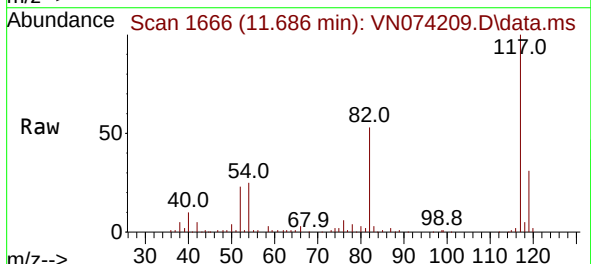
Instrument :
MSVOA_N
ClientSampleId :

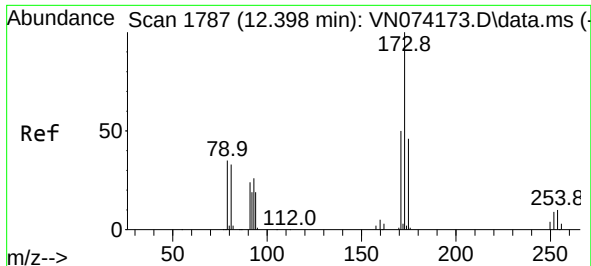
Tgt Ion: 95 Resp: 155768
Ion Ratio Lower Upper
95 100
174 76.2 0.0 167.6
176 71.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

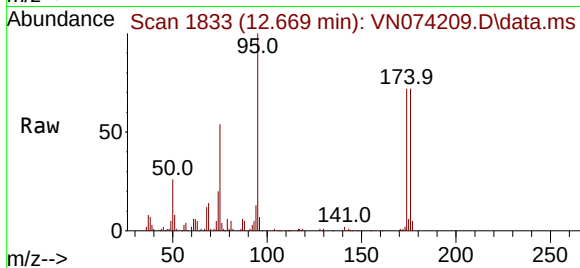
Tgt Ion: 117 Resp: 324269
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 30.5 25.4 38.0



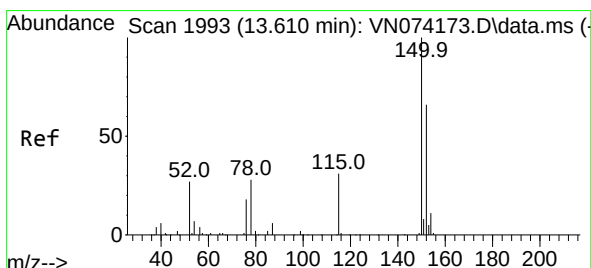
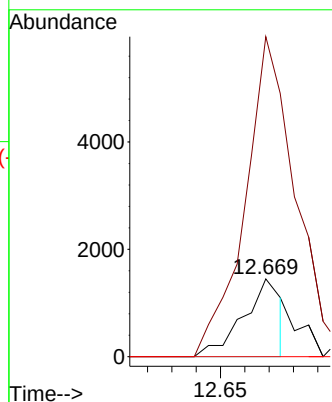
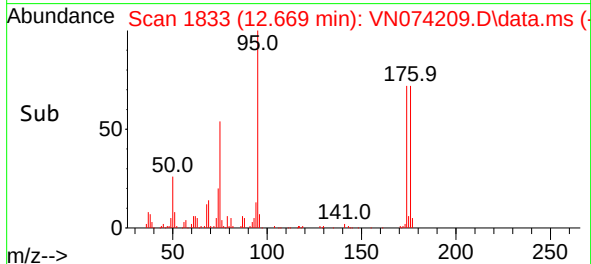


#71
Bromoform
Concen: 0.721 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Instrument :
MSVOA_N
ClientSampleId :

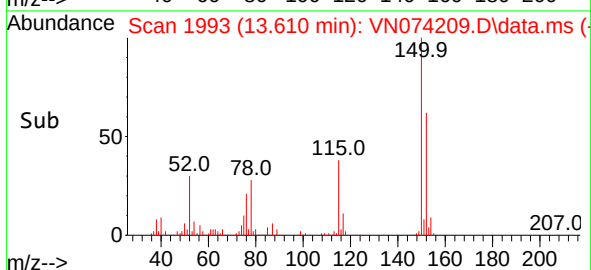
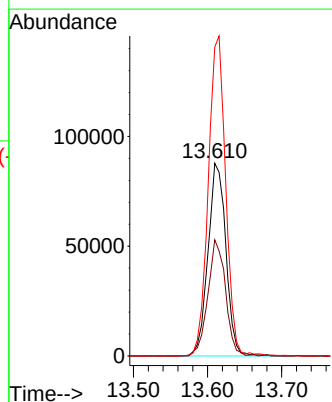
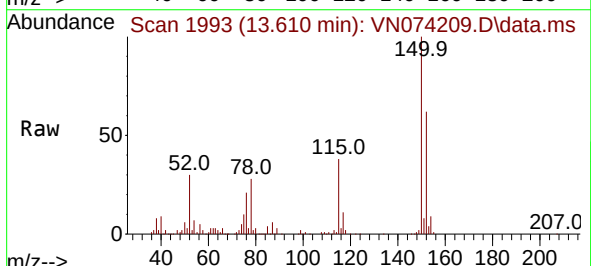


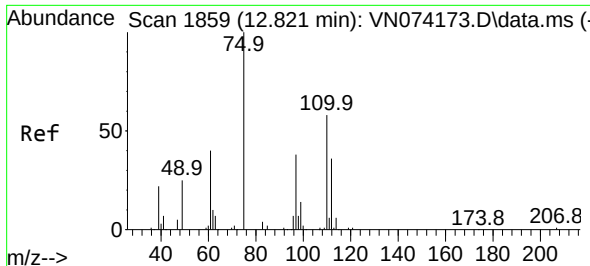
Tgt Ion:173 Resp: 1584
Ion Ratio Lower Upper
173 100
175 402.5 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion:152 Resp: 147373
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 161.1 0.0 356.2

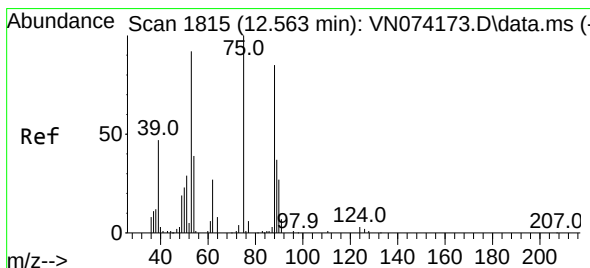
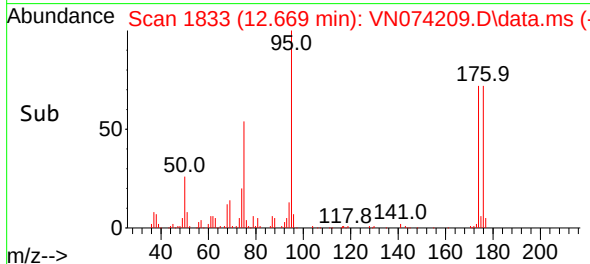
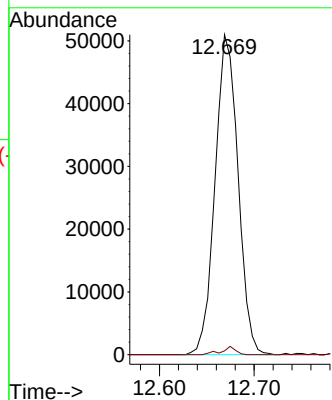
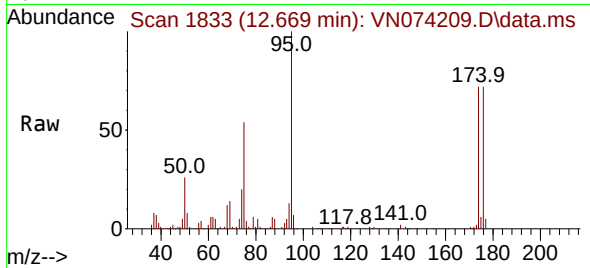




#76
1,2,3-Trichloropropane
Concen: 23.326 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

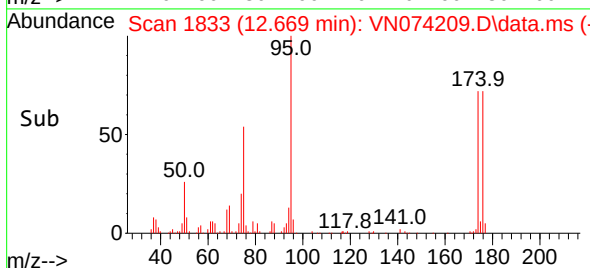
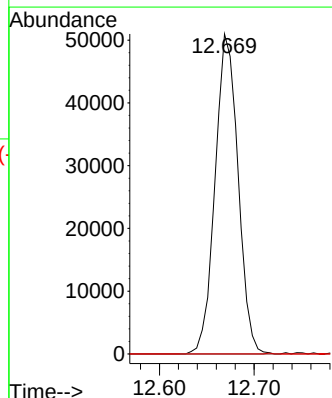
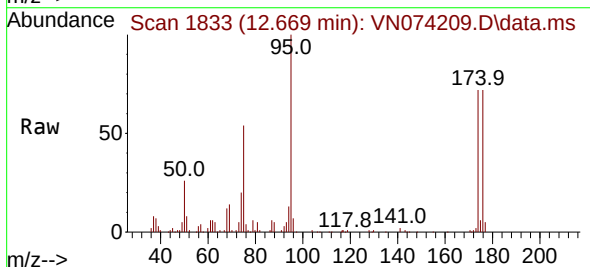
Instrument :
MSVOA_N
ClientSampleId :

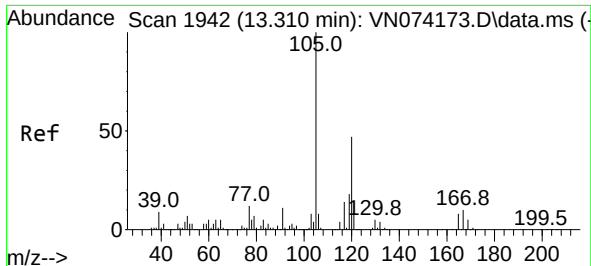
Tgt Ion: 75 Resp: 85926
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.519 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

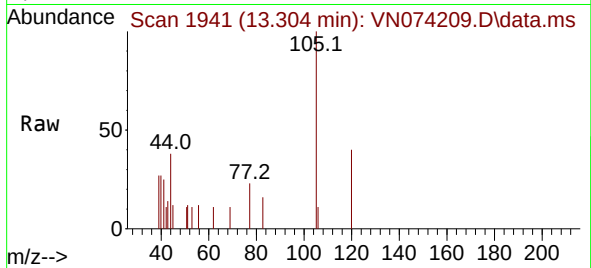
Tgt Ion: 75 Resp: 85926
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



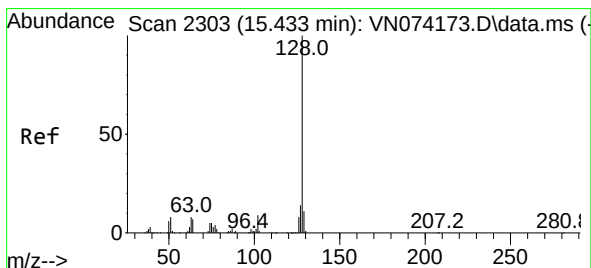
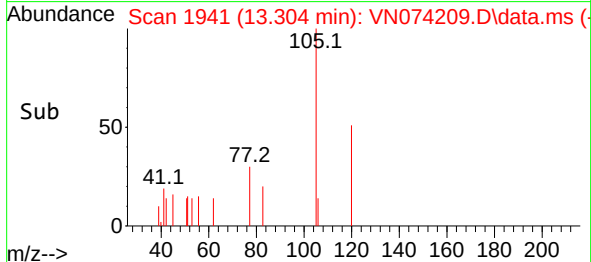
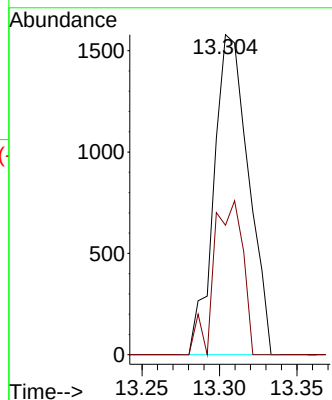


#84
1,2,4-Trimethylbenzene
Concen: 0.248 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:105 Resp: 2456
Ion Ratio Lower Upper
105 100
120 40.4 23.3 69.8



#95
Naphthalene
Concen: 1.391 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN074209.D
Acq: 31 Aug 2022 13:07

Tgt Ion:128 Resp: 2748
Ion Ratio Lower Upper
128 100
127 2.0 10.3 15.5#
129 0.0 8.6 13.0#

