

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080553.D
 Acq On : 20 Dec 2023 17:41
 Operator : JC\MD
 Sample : 05942-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:48:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	197235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	368078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	396688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	173171	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149995	59.542	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.080%	
35) Dibromofluoromethane	8.165	113	127235	54.519	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.040%	
50) Toluene-d8	10.565	98	446761	51.330	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	12.853	95	178366	53.968	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.940%	

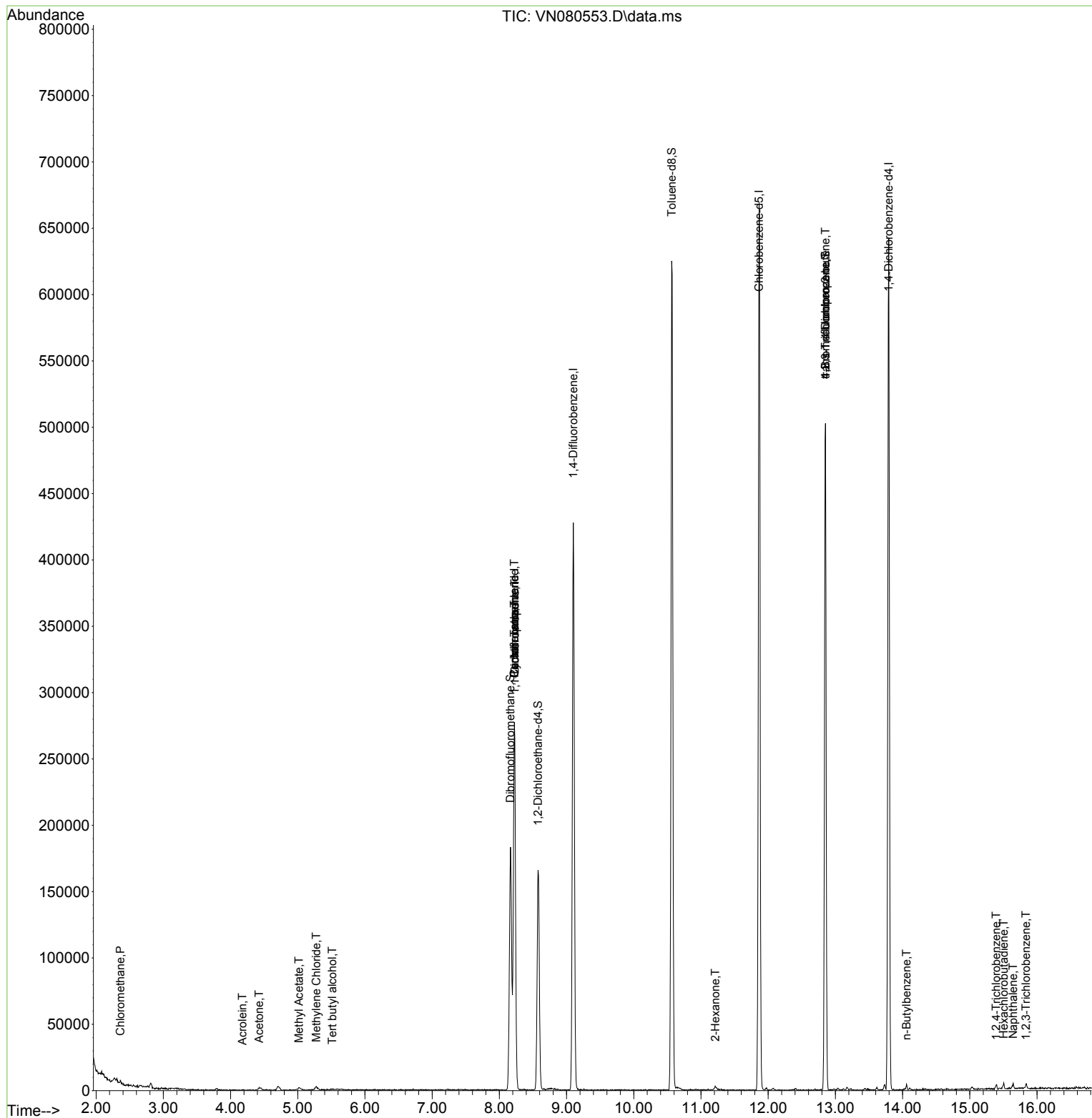
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	2431	0.522	ug/l	100
11) Tert butyl alcohol	5.512	59	409	1.379	ug/l #	72
13) Acrolein	4.177	56	131	0.403	ug/l #	1
16) Acetone	4.424	43	1934	4.330	ug/l #	73
18) Methyl Acetate	5.018	43	3133	1.090	ug/l #	73
20) Methylene Chloride	5.277	84	2012	0.842	ug/l #	78
31) Cyclohexane	8.224	56	4250	1.241	ug/l #	4
36) 1,1-Dichloropropene	8.230	75	15703	4.115	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21722	4.764	ug/l #	14
59) 2-Hexanone	11.212	43	1121	0.642	ug/l #	34
76) 1,2,3-Trichloropropane	12.853	75	95628	27.681	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95628	72.678	ug/l #	15
89) n-Butylbenzene	14.059	91	2177	0.230	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	1272	0.400	ug/l	89
94) Hexachlorobutadiene	15.506	225	907	0.501	ug/l #	75
95) Naphthalene	15.647	128	3613	0.374	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	1693	0.552	ug/l	81

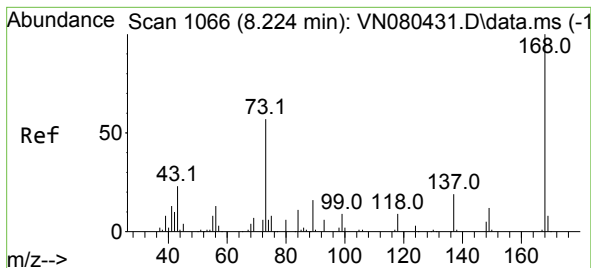
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

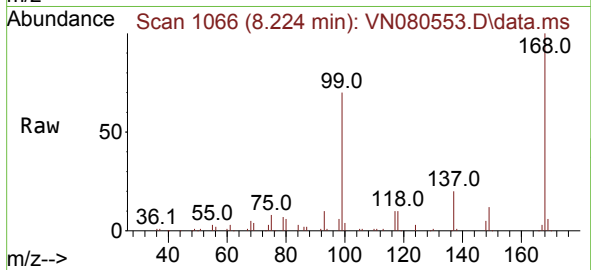
Lab File: VN080553.D

Acq: 20 Dec 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :

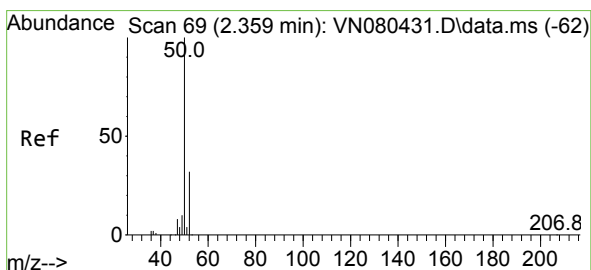
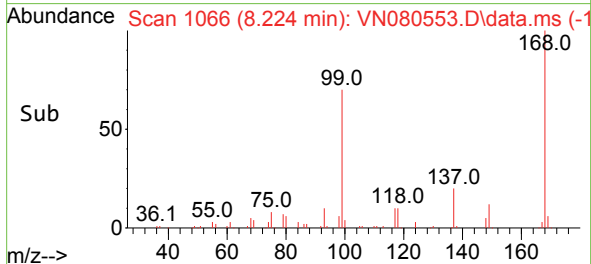
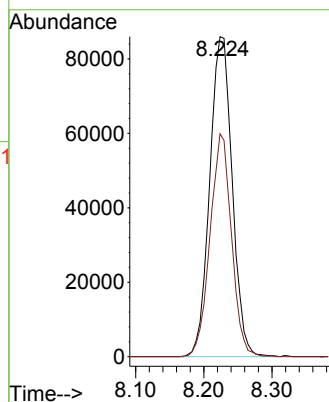


Tgt Ion:168 Resp: 197235

Ion Ratio Lower Upper

168 100

99 69.7 53.0 79.6



#3

Chloromethane

Concen: 0.522 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080553.D

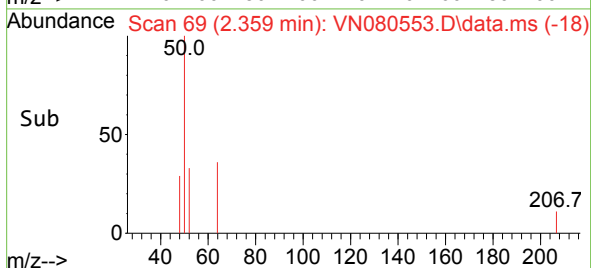
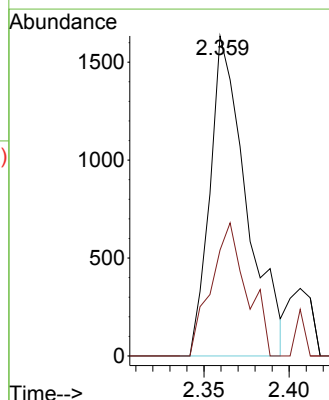
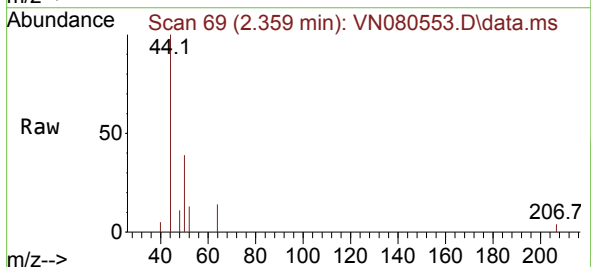
Acq: 20 Dec 2023 17:41

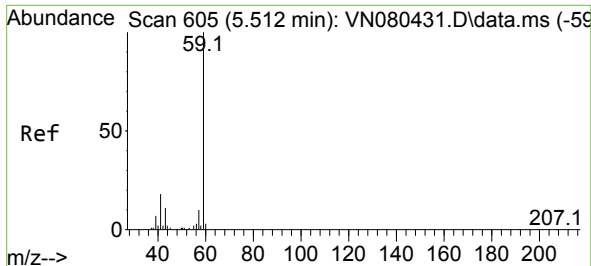
Tgt Ion: 50 Resp: 2431

Ion Ratio Lower Upper

50 100

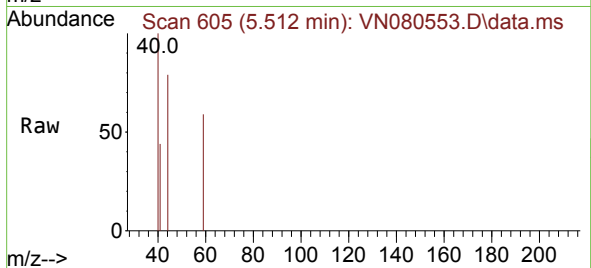
52 33.1 26.5 39.7



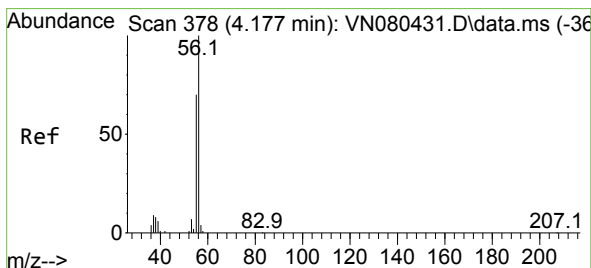
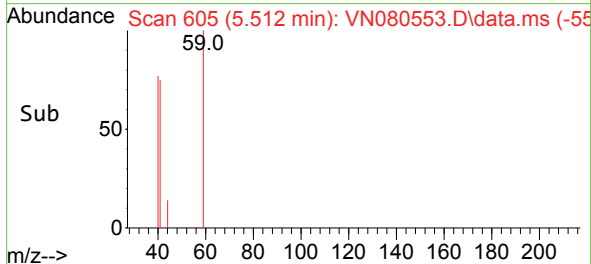
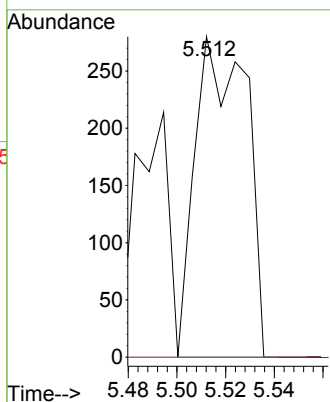


#11
Tert butyl alcohol
Concen: 1.379 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :

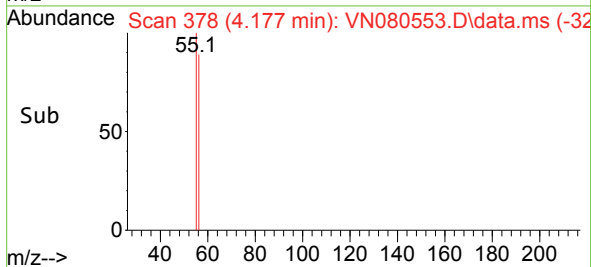
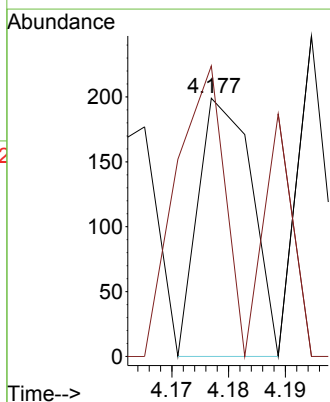
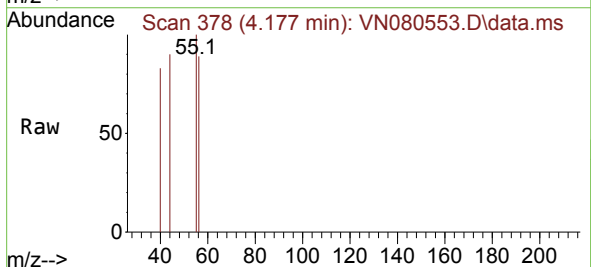


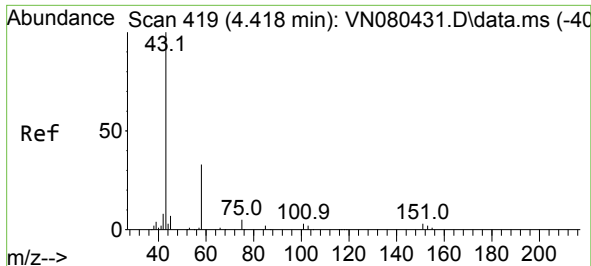
Tgt Ion: 59 Resp: 409
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 0.403 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Tgt Ion: 56 Resp: 131
Ion Ratio Lower Upper
56 100
55 151.9 54.5 81.7#

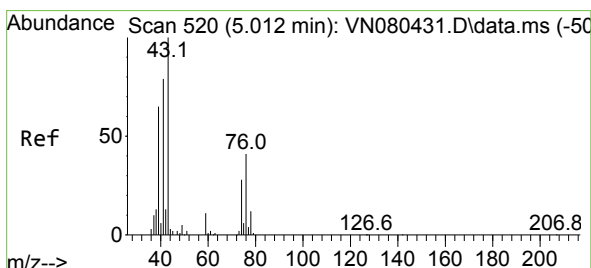
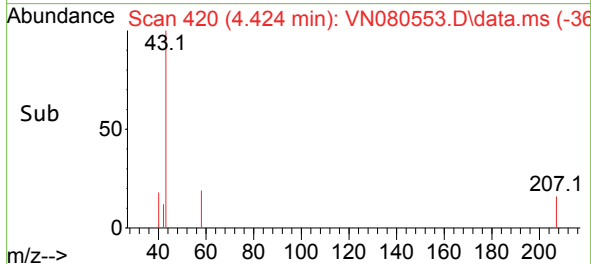
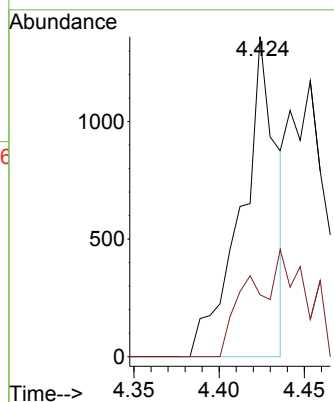
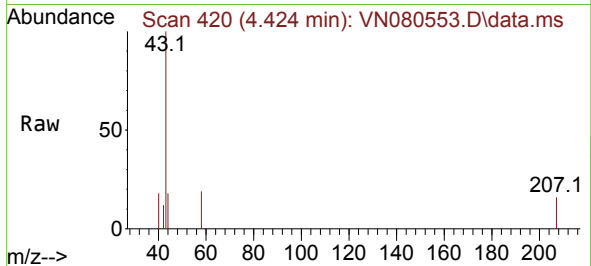




#16
Acetone
Concen: 4.330 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

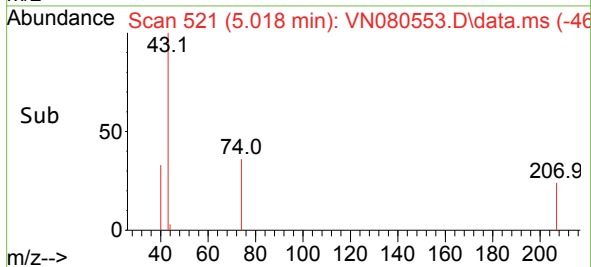
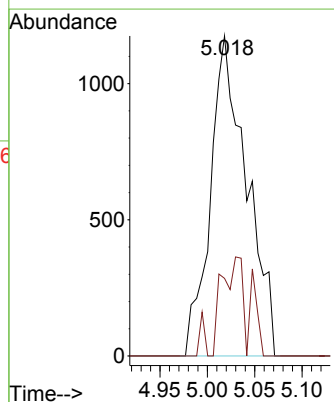
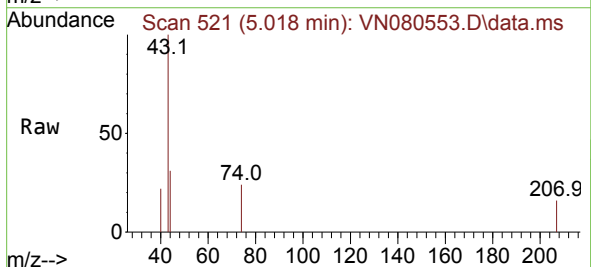
Instrument :
MSVOA_N
ClientSampleId :

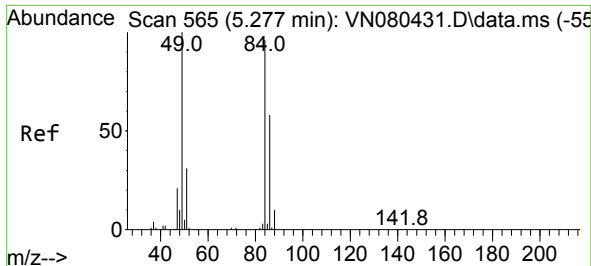
Tgt Ion: 43 Resp: 1934
Ion Ratio Lower Upper
43 100
58 19.3 28.0 42.0#



#18
Methyl Acetate
Concen: 1.090 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

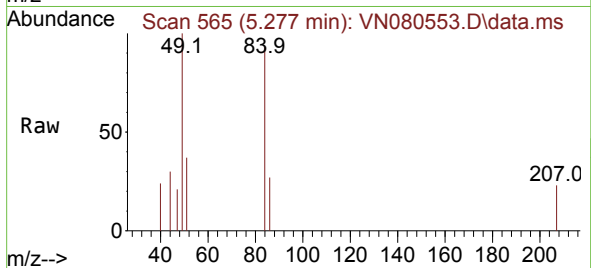
Tgt Ion: 43 Resp: 3133
Ion Ratio Lower Upper
43 100
74 17.5 26.2 39.4#



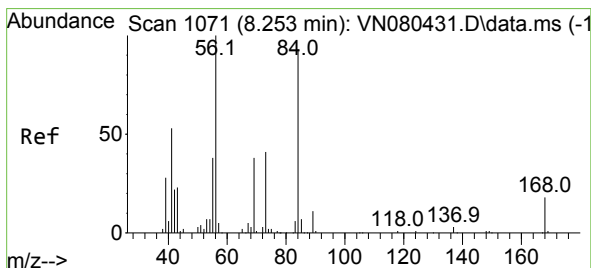
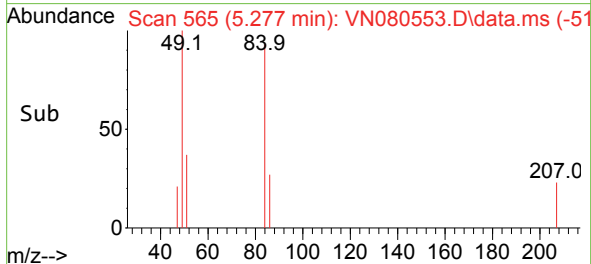
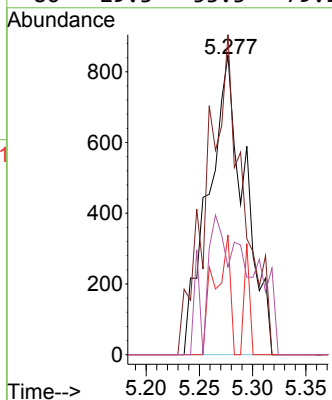


#20
Methylene Chloride
Concen: 0.842 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Instrument :
MSVOA_N
ClientSampleId :

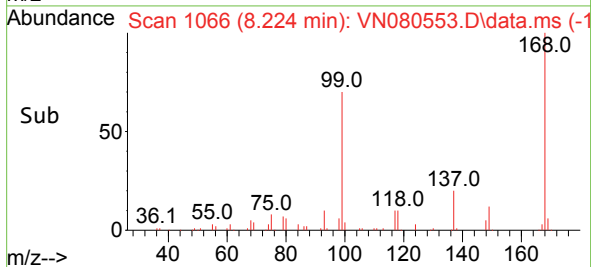
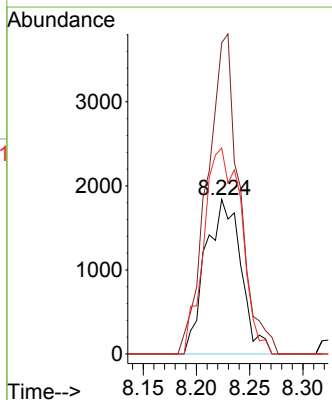
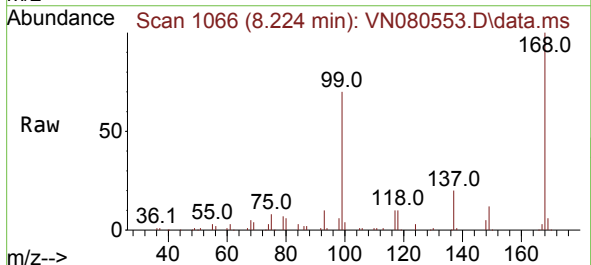


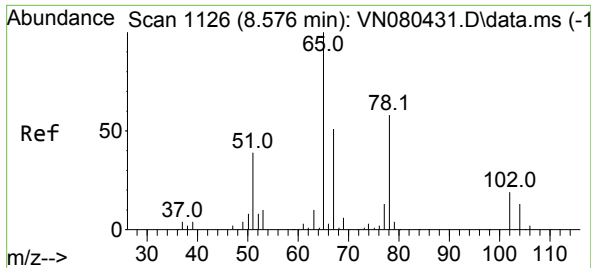
Tgt Ion:	84	Resp:	2012
Ion	Ratio	Lower	Upper
84	100		
49	107.0	79.7	119.5
51	40.0	25.2	37.8#
86	29.3	53.3	79.9#



#31
Cyclohexane
Concen: 1.241 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Tgt Ion:	56	Resp:	4250
Ion	Ratio	Lower	Upper
56	100		
69	201.4	26.8	40.2#
84	133.2	81.8	122.6#

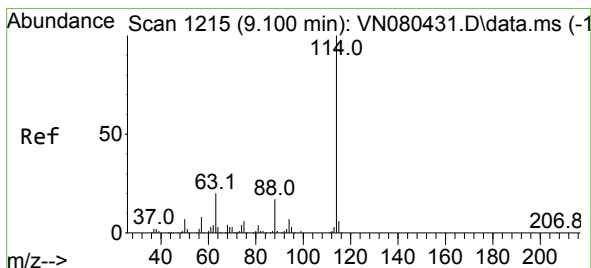
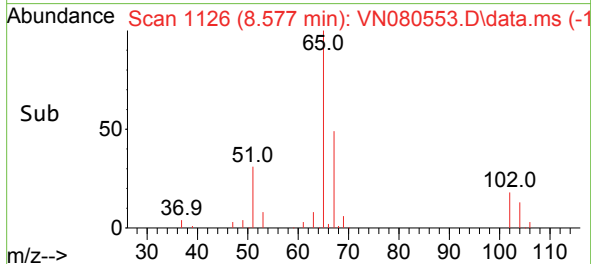
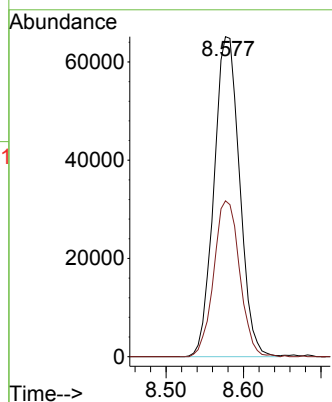
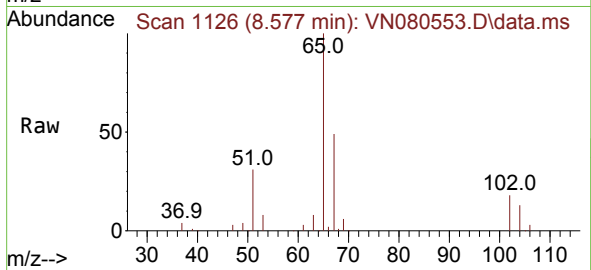




#33
 1,2-Dichloroethane-d4
 Concen: 59.542 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN080553.D
 Acq: 20 Dec 2023 17:41

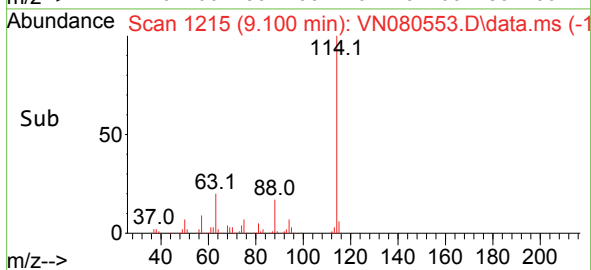
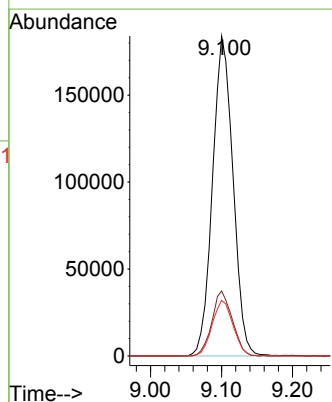
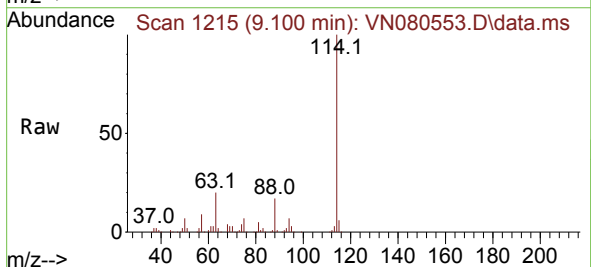
Instrument :
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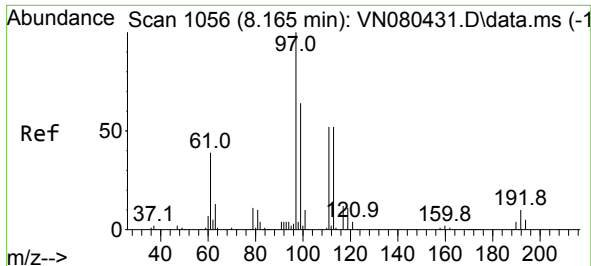
Tgt Ion: 65 Resp: 149995
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080553.D
 Acq: 20 Dec 2023 17:41

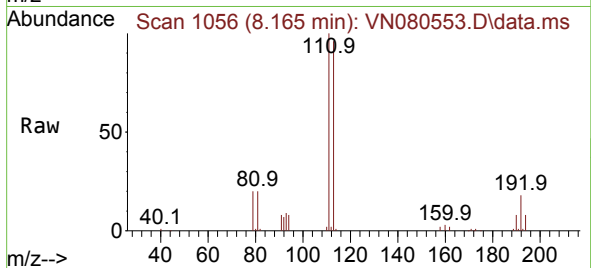
Tgt Ion: 114 Resp: 368078
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 36.4
 88 17.4 0.0 30.6



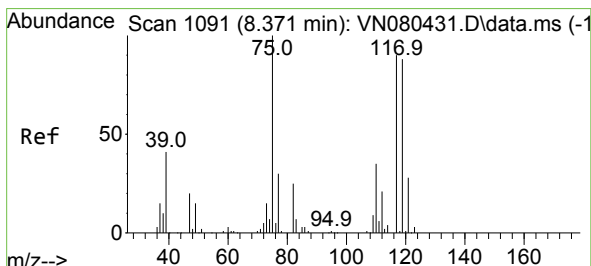
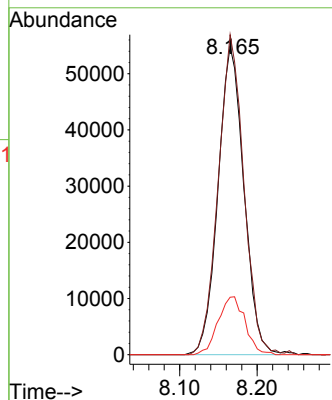
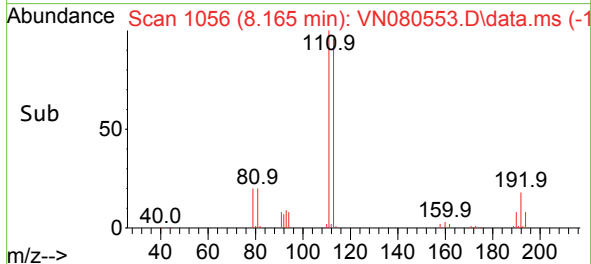


#35
Dibromofluoromethane
Concen: 54.519 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Instrument :
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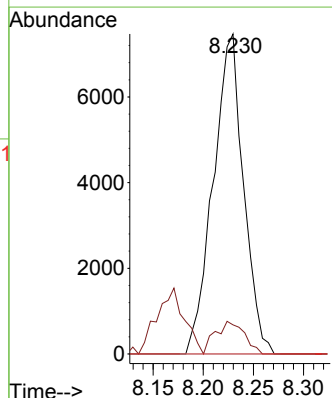
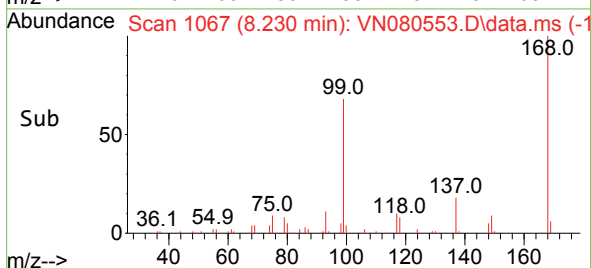
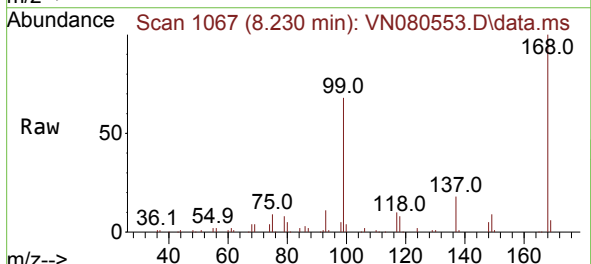


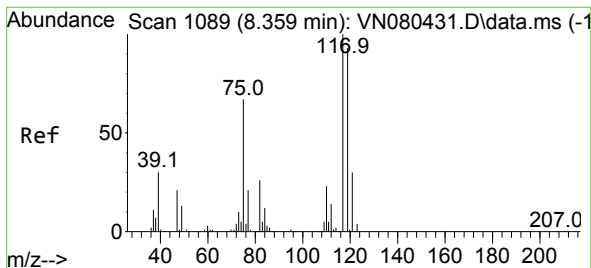
Tgt Ion:113 Resp: 127235
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 19.6 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.115 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Tgt Ion: 75 Resp: 15703
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.764 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

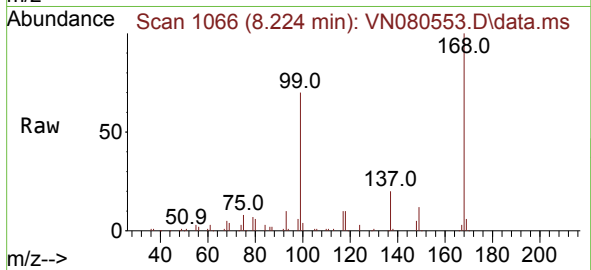
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Acq: 20 Dec 2023 17:41

Instrument :

MSVOA_N

ClientSampleId :



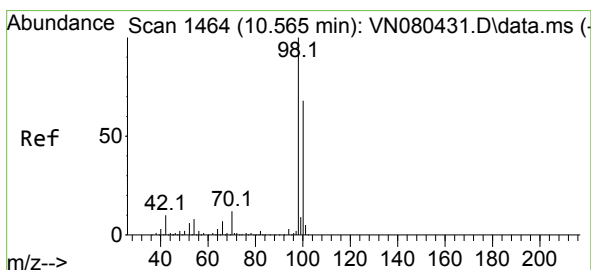
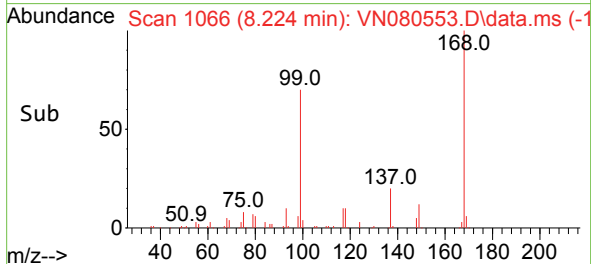
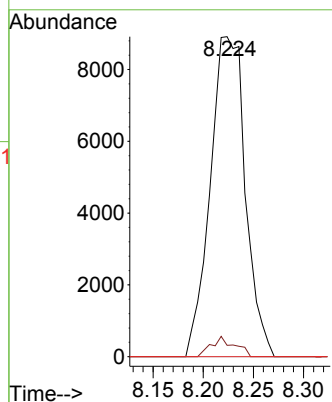
Tgt Ion:117 Resp: 21722

Ion Ratio Lower Upper

117 100

119 3.6 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 51.330 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080553.D

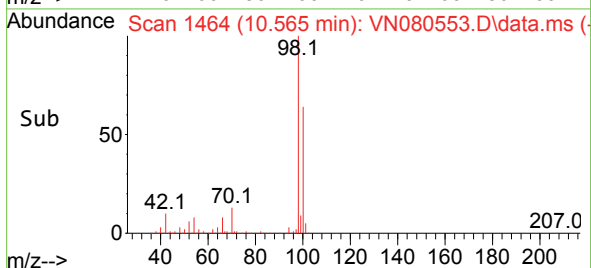
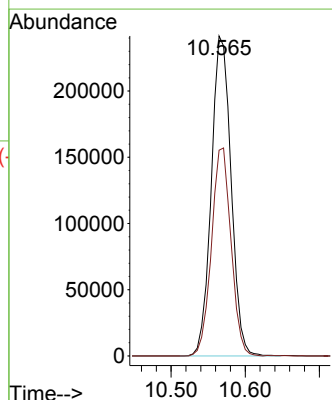
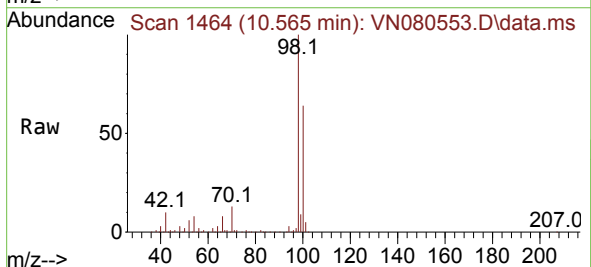
Acq: 20 Dec 2023 17:41

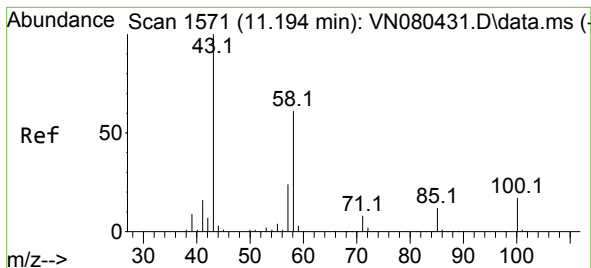
Tgt Ion: 98 Resp: 446761

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0

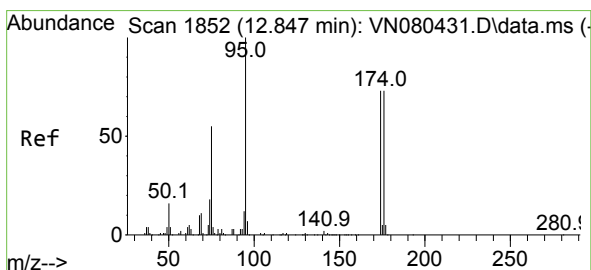
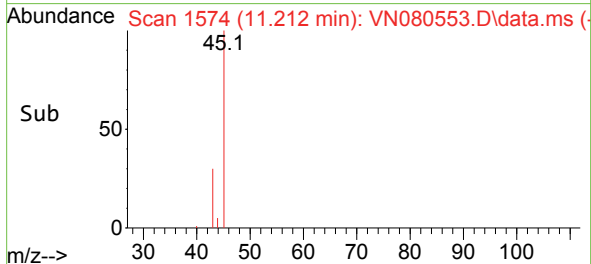
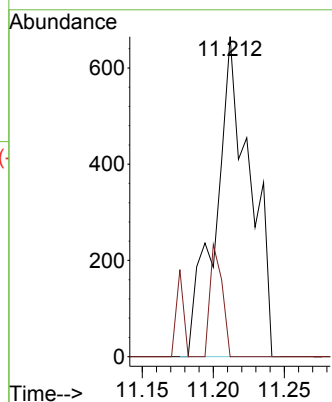
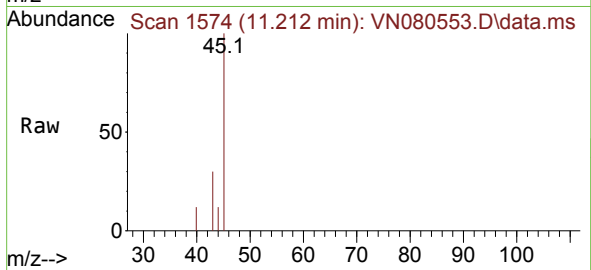




#59
2-Hexanone
Concen: 0.642 ug/l
RT: 11.212 min Scan# 1121
Delta R.T. 0.018 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

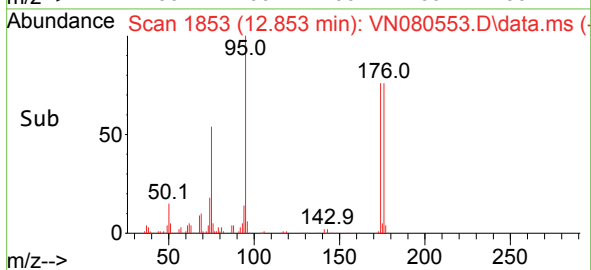
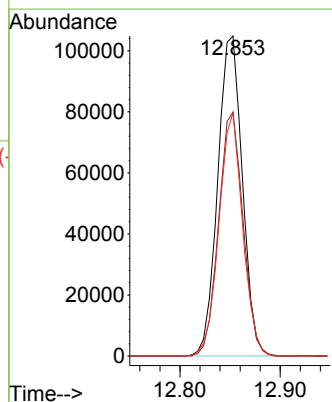
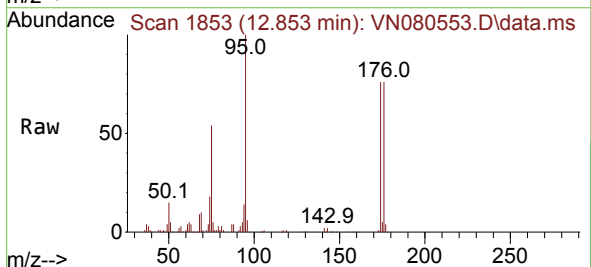
Instrument :
MSVOA_N
ClientSampleId :

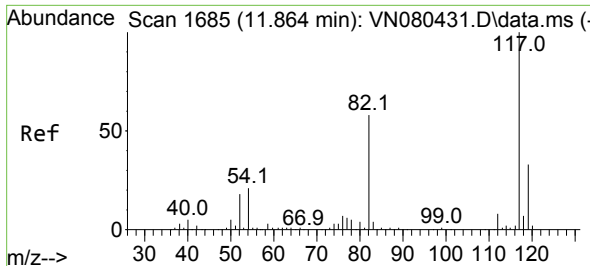
Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
58 12.4 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.968 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

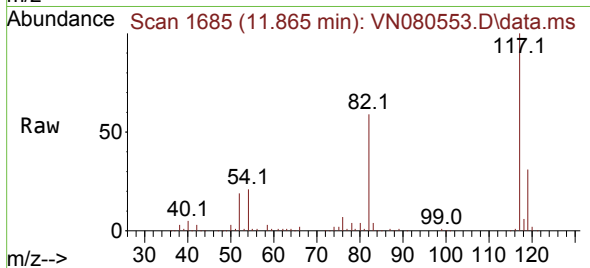
Tgt Ion: 95 Resp: 178366
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 72.9 0.0 135.8



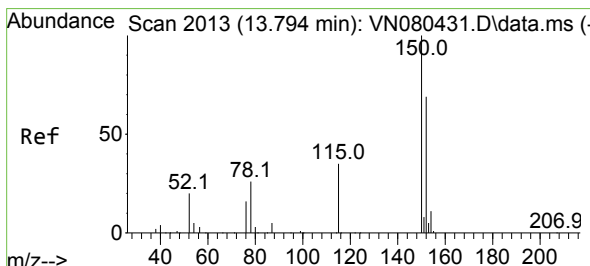
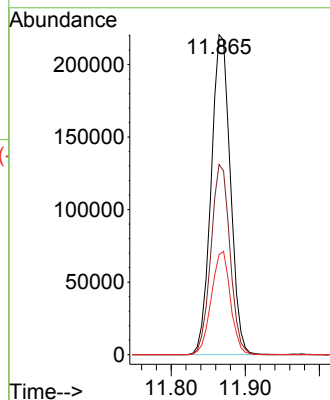
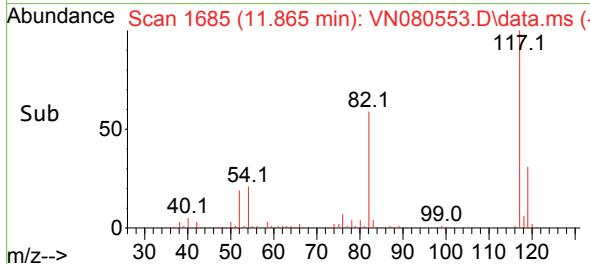


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

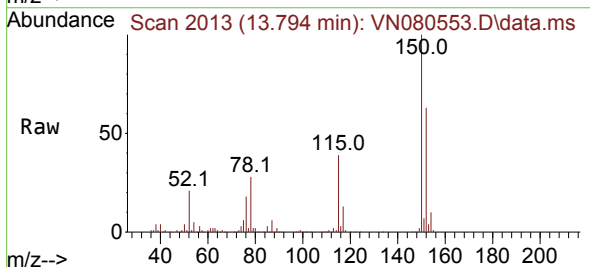
Instrument :
MSVOA_N
ClientSampleId :



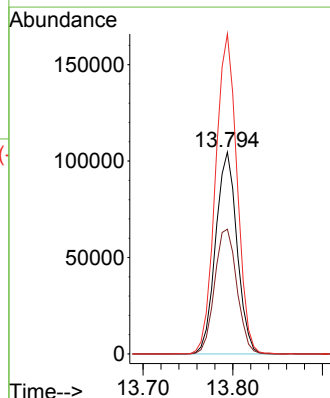
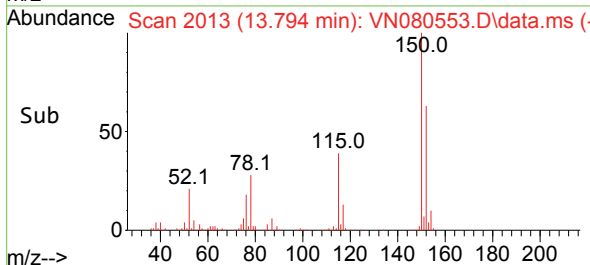
Tgt Ion:117 Resp: 396688
Ion Ratio Lower Upper
117 100
82 59.5 44.0 66.0
119 31.3 25.6 38.4

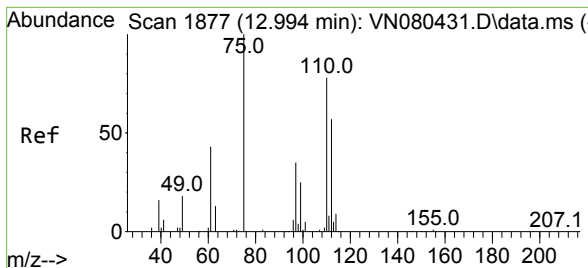


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41



Tgt Ion:152 Resp: 173171
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 159.2 0.0 355.8

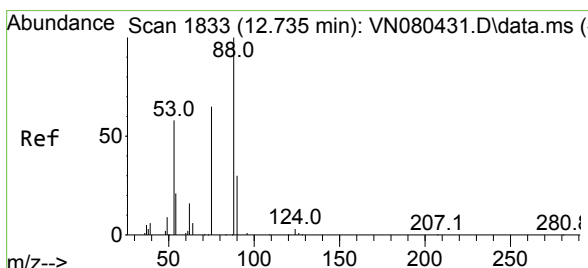
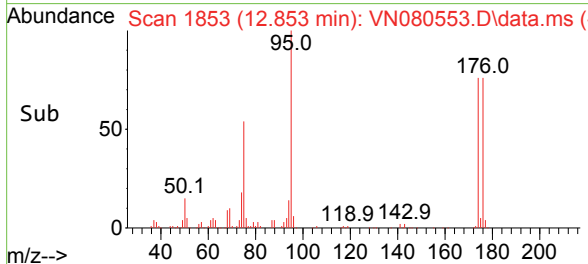
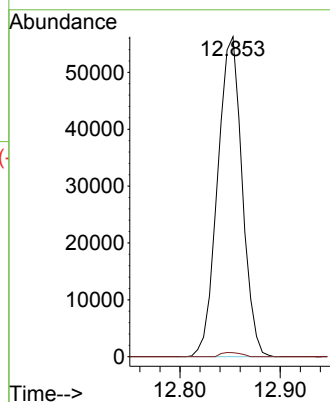
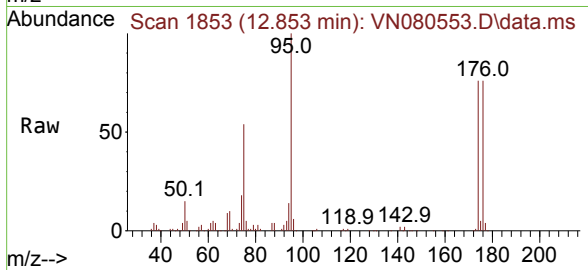




#76
1,2,3-Trichloropropane
Concen: 27.681 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

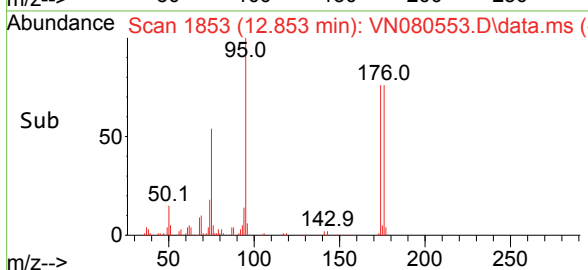
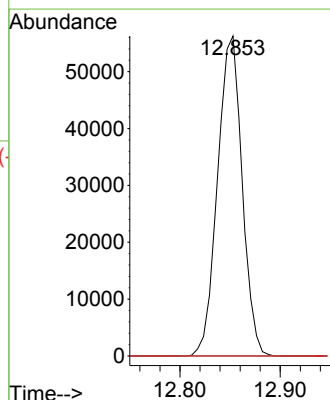
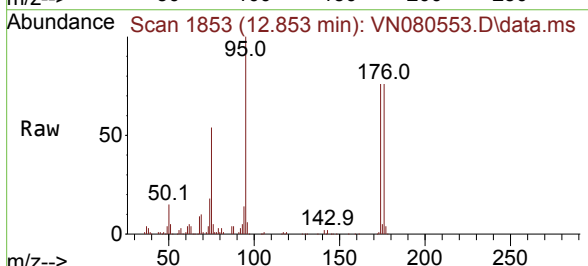
Instrument :
MSVOA_N
ClientSampleId :

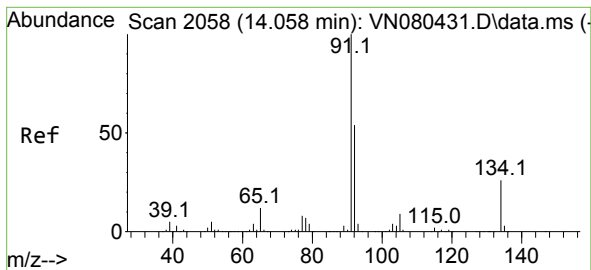
Tgt Ion: 75 Resp: 95628
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.678 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Tgt Ion: 75 Resp: 95628
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

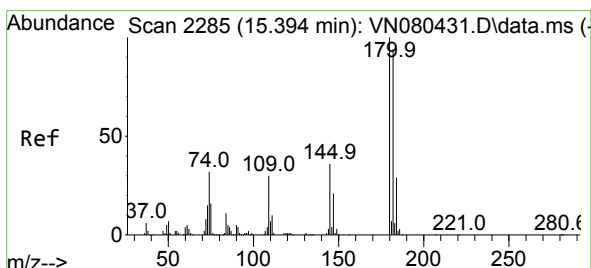
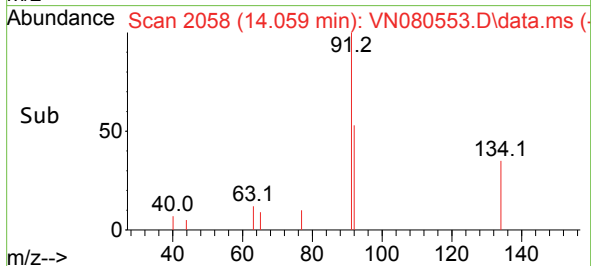
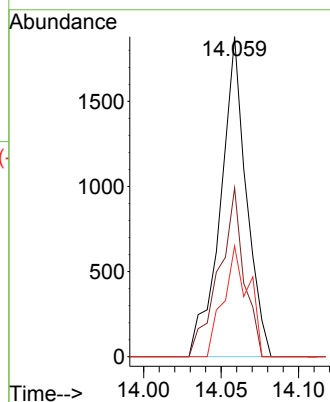
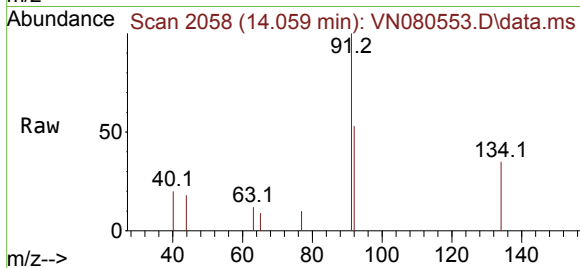




#89
n-Butylbenzene
Concen: 0.230 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

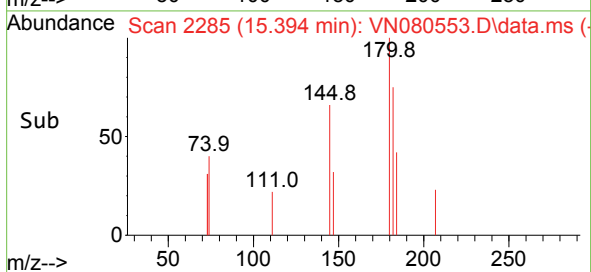
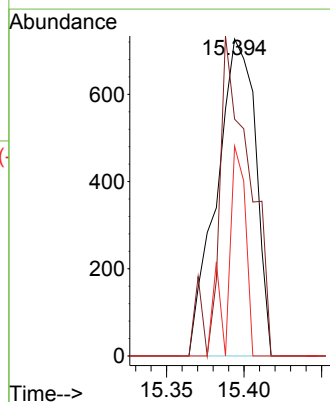
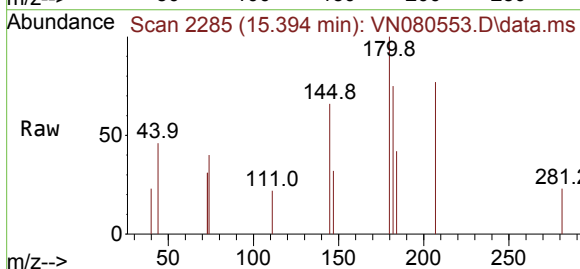
Instrument :
MSVOA_N
ClientSampleId :

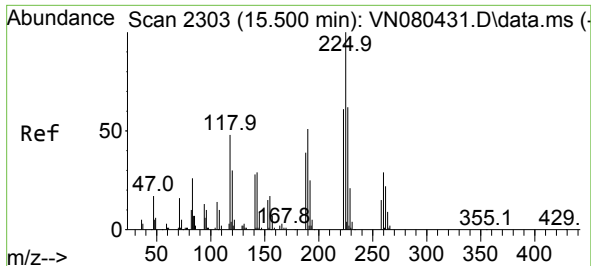
Tgt Ion: 91	Resp: 2177
Ion Ratio	Lower Upper
91 100	
92 51.3	26.4 79.0
134 33.7	12.6 37.6



#93
1,2,4-Trichlorobenzene
Concen: 0.400 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

Tgt Ion:180	Resp:	1272	
Ion	Ratio	Lower	Upper
180	100		
182	79.4	46.1	138.2
145	30.4	16.6	49.8

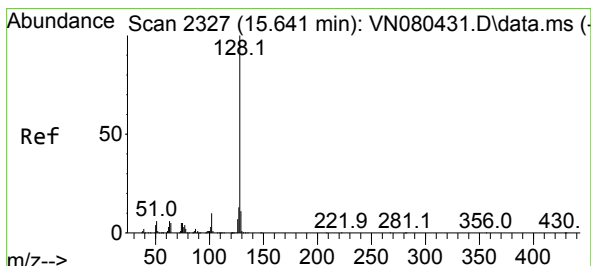
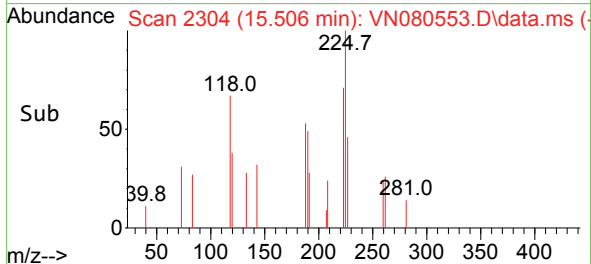
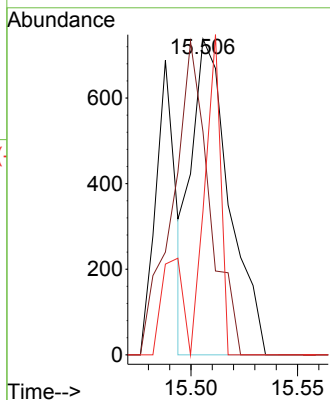
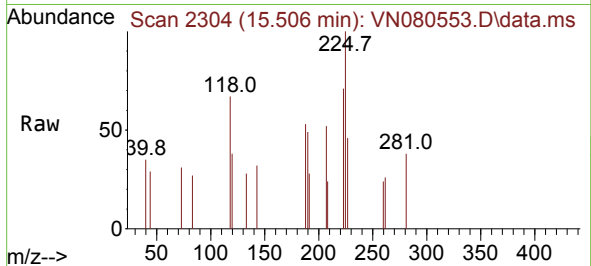




#94
Hexachlorobutadiene
Concen: 0.501 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

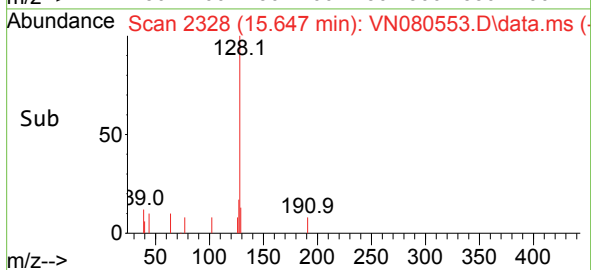
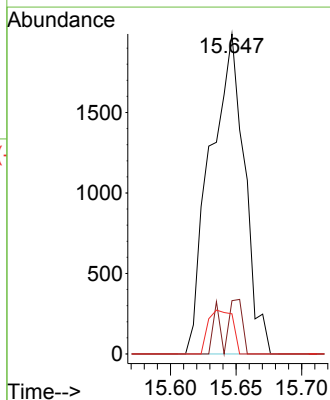
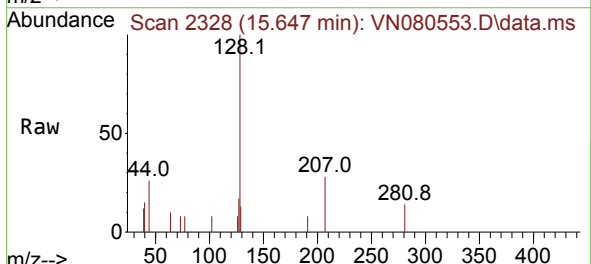
Instrument :
MSVOA_N
ClientSampleId :

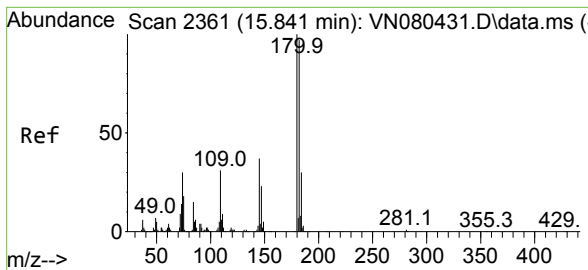
Tgt Ion:225 Resp: 907
Ion Ratio Lower Upper
225 100
223 96.9 31.3 93.8#
227 59.2 31.9 95.9



#95
Naphthalene
Concen: 0.374 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN080553.D
Acq: 20 Dec 2023 17:41

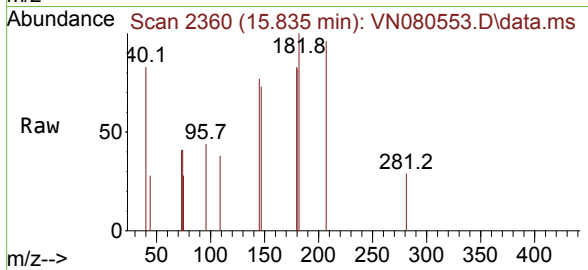
Tgt Ion:128 Resp: 3613
Ion Ratio Lower Upper
128 100
127 9.7 10.0 15.0#
129 9.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.552 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN080553.D
 Acq: 20 Dec 2023 17:41

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1693
Ion	Ratio	Lower	Upper
180	100		
182	71.5	46.2	138.6
145	29.2	17.5	52.6

