

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080549.D
 Acq On : 20 Dec 2023 16:07
 Operator : JC\MD
 Sample : 05874-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 21 02:44:20 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)

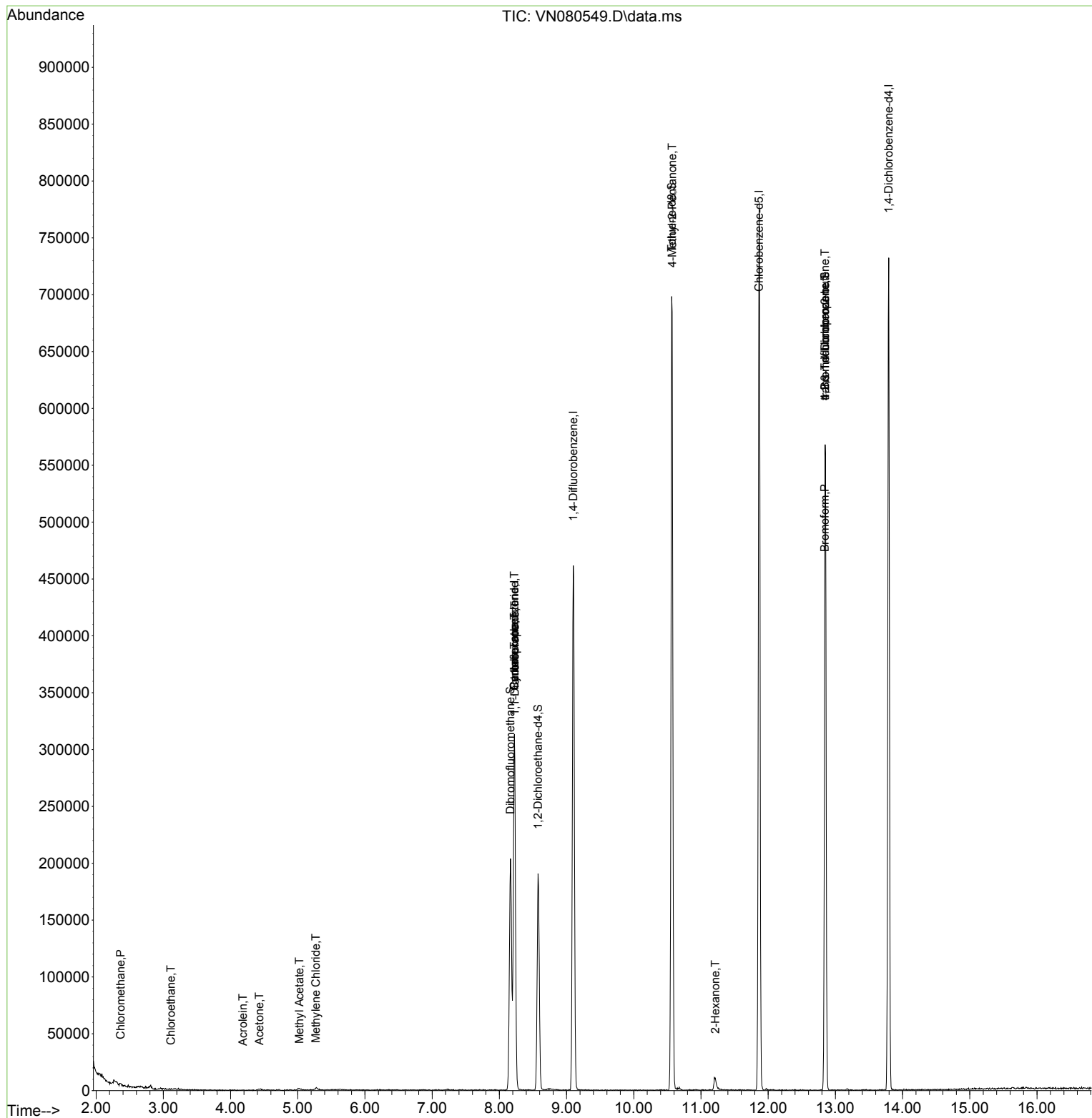
Internal Standards						
1) Pentafluorobenzene	8.224	168	222701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	406446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	446581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	166265	58.453	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.900%			
35) Dibromofluoromethane	8.165	113	142669	55.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.720%			
50) Toluene-d8	10.565	98	497611	51.775	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.847	95	205277	56.247	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.500%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	2620	0.480	ug/l #	81
6) Chloroethane	3.112	64	354	0.227	ug/l #	43
13) Acrolein	4.183	56	85	0.232	ug/l #	16
16) Acetone	4.430	43	1050	2.082	ug/l #	80
18) Methyl Acetate	5.024	43	2841	0.875	ug/l #	56
20) Methylene Chloride	5.271	84	1734	0.642	ug/l #	62
31) Cyclohexane	8.224	56	4638	1.199	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	18083	4.292	ug/l #	49
38) Carbon Tetrachloride	8.224	117	24534	4.873	ug/l #	15
51) 4-Methyl-2-Pentanone	10.571	43	1784	0.683	ug/l #	1
59) 2-Hexanone	11.212	43	3616	1.875	ug/l #	22
71) Bromoform	12.841	173	711	0.250	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	108600	27.681	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	108600	72.679	ug/l #	15

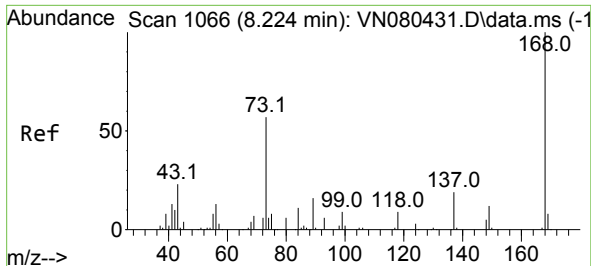
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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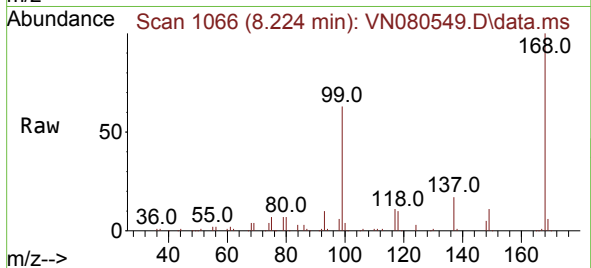
Quant Time: Dec 21 02:44:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration



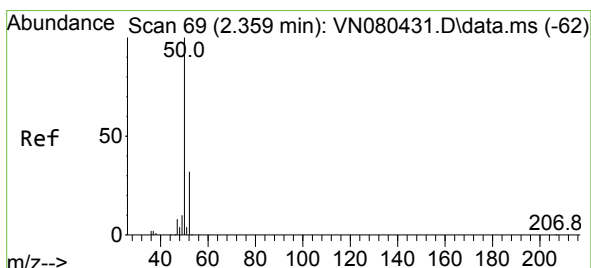
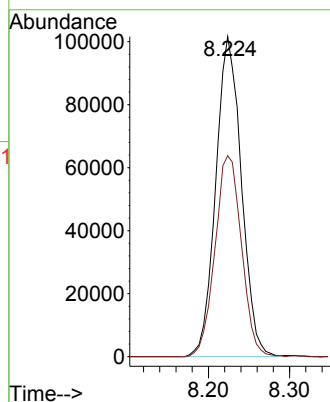
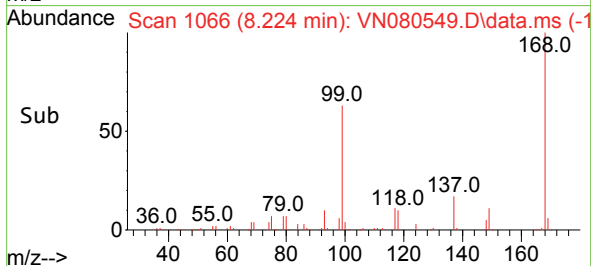


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

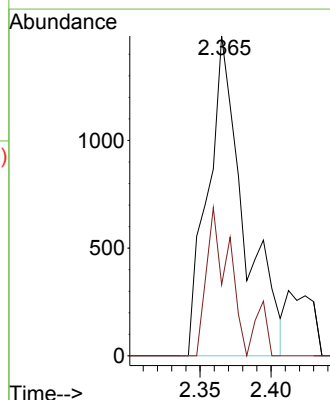
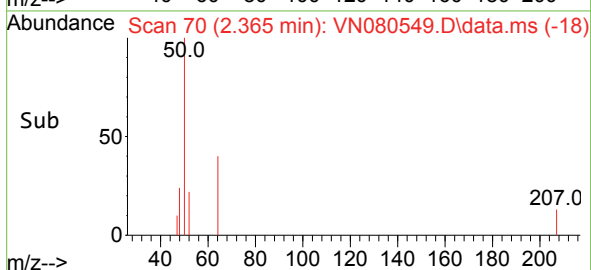
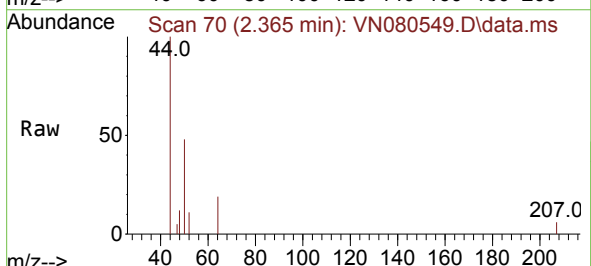


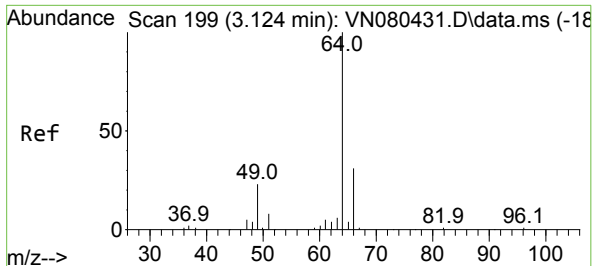
Tgt Ion:168 Resp: 222701
Ion Ratio Lower Upper
168 100
99 62.8 53.0 79.6



#3
Chloromethane
Concen: 0.480 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Tgt Ion: 50 Resp: 2620
Ion Ratio Lower Upper
50 100
52 22.2 26.5 39.7#

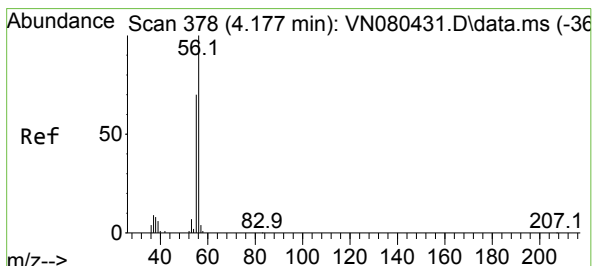
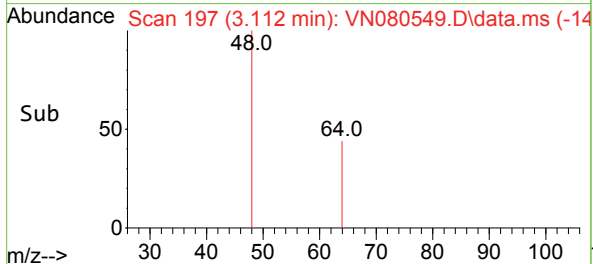
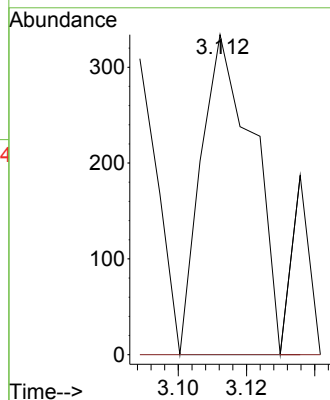
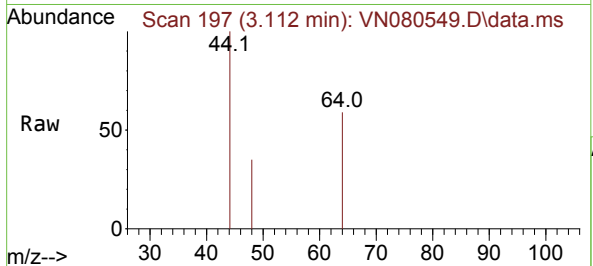




#6
Chloroethane
Concen: 0.227 ug/l
RT: 3.112 min Scan# 19
Delta R.T. -0.012 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

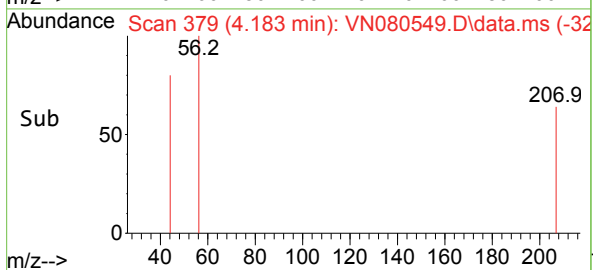
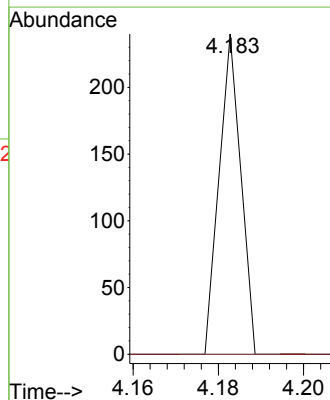
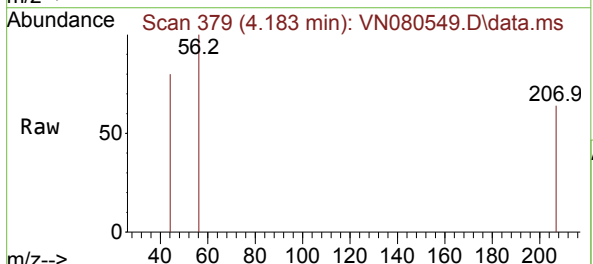
Instrument :
MSVOA_N
ClientSampleId :

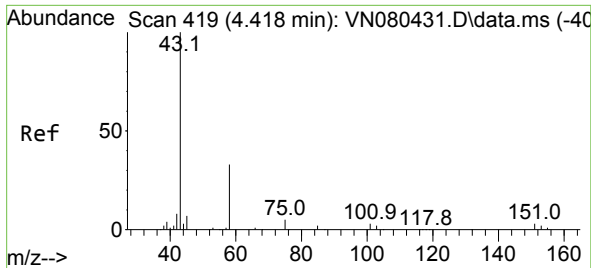
Tgt Ion: 64 Resp: 354
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#13
Acrolein
Concen: 0.232 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Tgt Ion: 56 Resp: 85
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

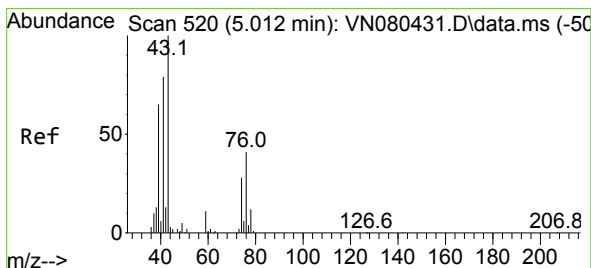
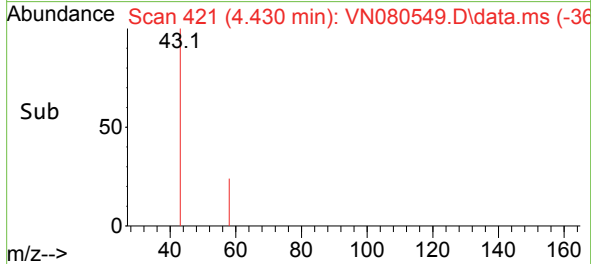
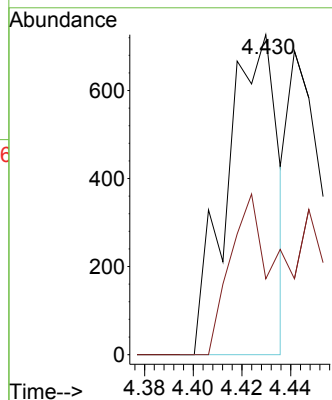
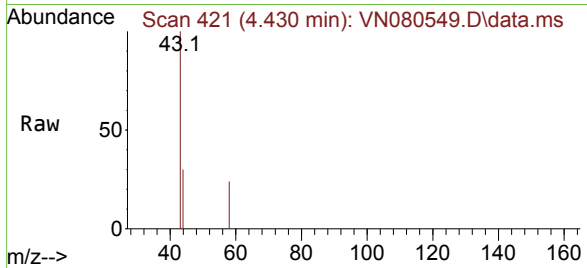




#16
Acetone
Concen: 2.082 ug/l
RT: 4.430 min Scan# 419
Delta R.T. 0.012 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

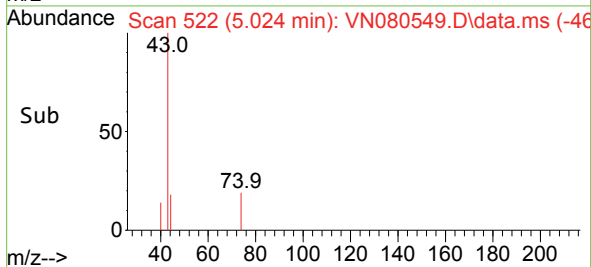
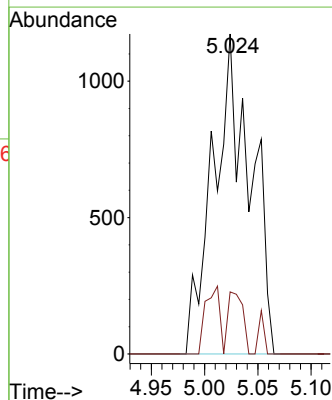
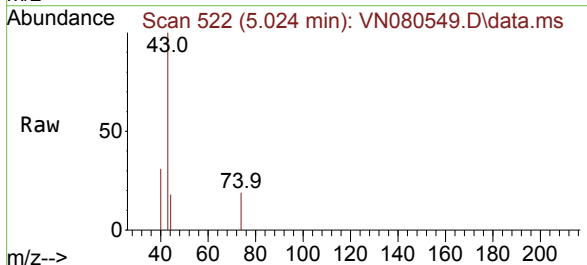
Instrument :
MSVOA_N
ClientSampleId :

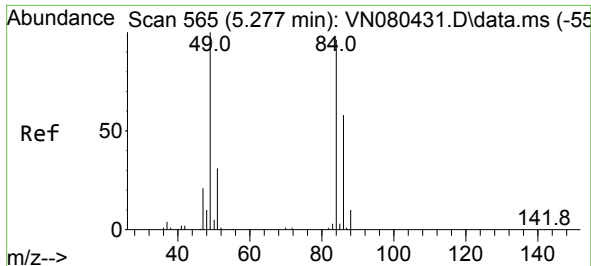
Tgt Ion: 43 Resp: 1050
Ion Ratio Lower Upper
43 100
58 23.7 28.0 42.0#



#18
Methyl Acetate
Concen: 0.875 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

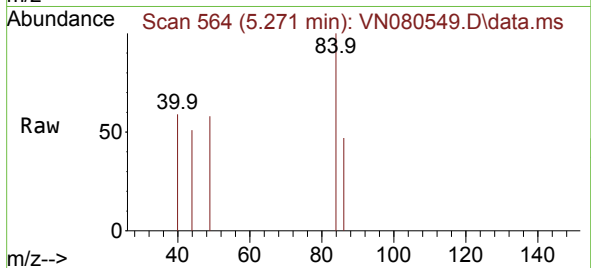
Tgt Ion: 43 Resp: 2841
Ion Ratio Lower Upper
43 100
74 7.8 26.2 39.4#



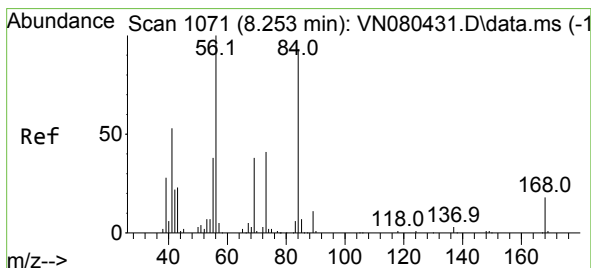
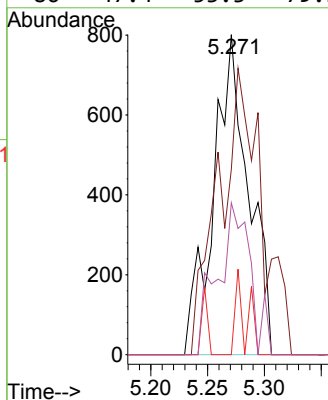
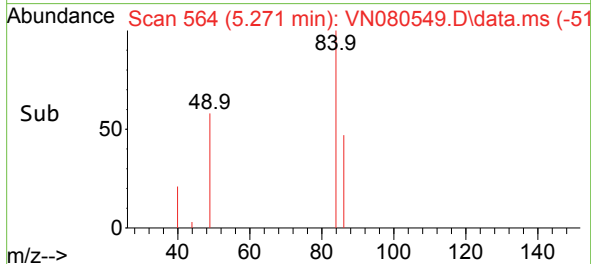


#20
Methylene Chloride
Concen: 0.642 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

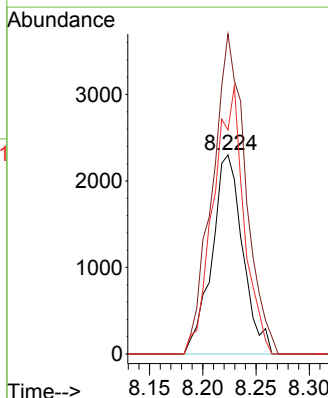
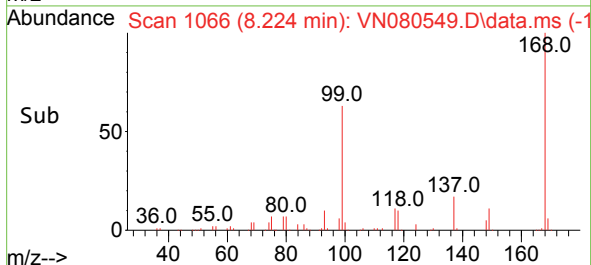
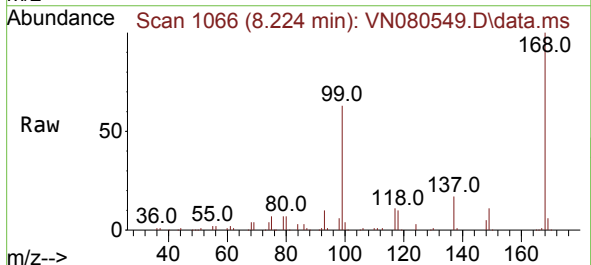


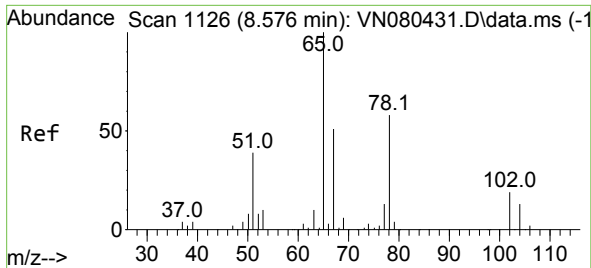
Tgt Ion: 84 Resp: 1734
Ion Ratio Lower Upper
84 100
49 57.9 79.7 119.5#
51 0.0 25.2 37.8#
86 47.4 53.3 79.9#



#31
Cyclohexane
Concen: 1.199 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Tgt Ion: 56 Resp: 4638
Ion Ratio Lower Upper
56 100
69 160.7 26.8 40.2#
84 112.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 58.453 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080549.D

Acq: 20 Dec 2023 16:07

Instrument :

MSVOA_N

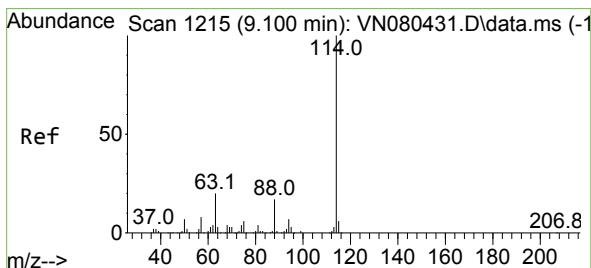
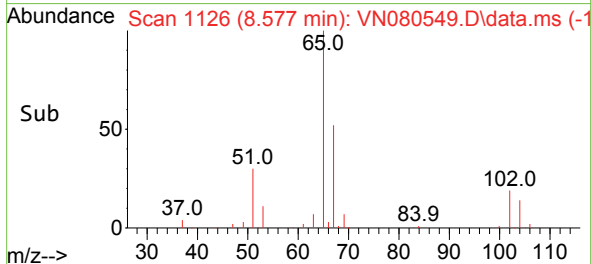
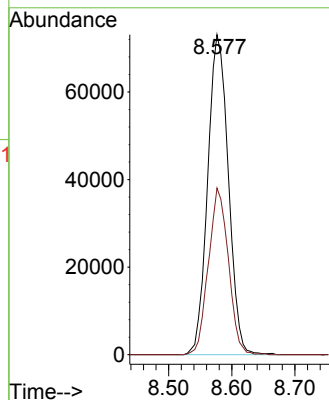
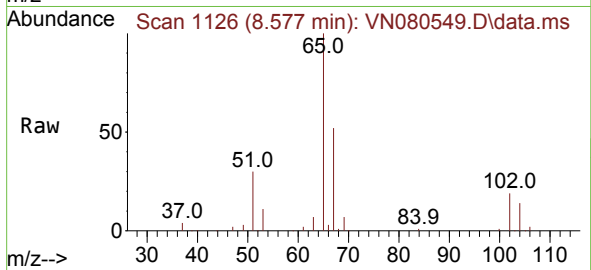
ClientSampleId :

Tgt Ion: 65 Resp: 166265

Ion Ratio Lower Upper

65 100

67 50.4 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: VN080549.D

Acq: 20 Dec 2023 16:07

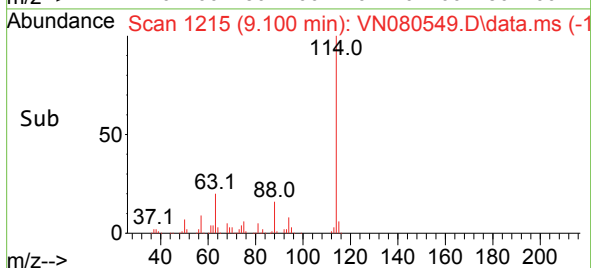
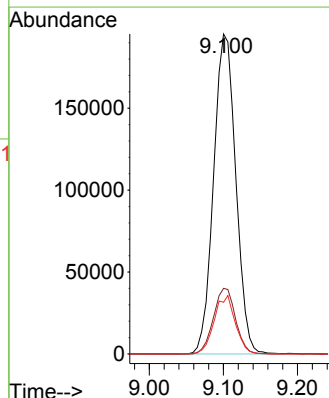
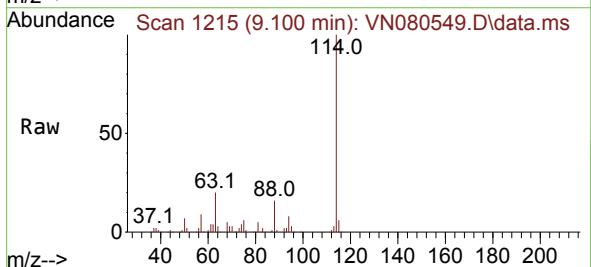
Tgt Ion: 114 Resp: 406446

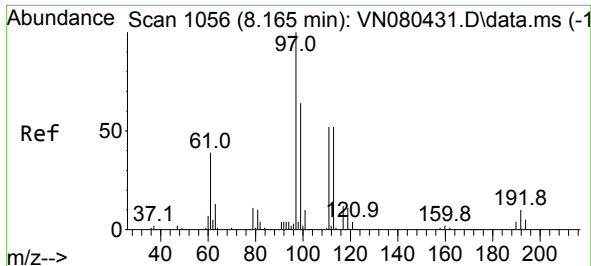
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

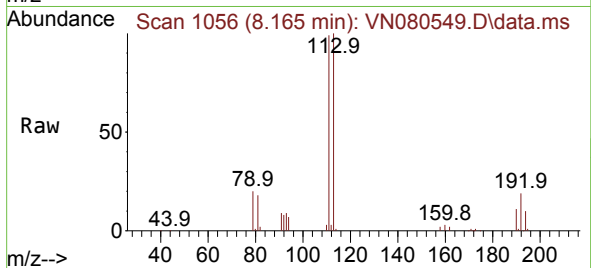
88 16.1 0.0 30.6



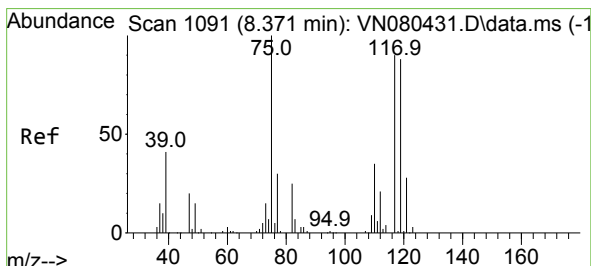
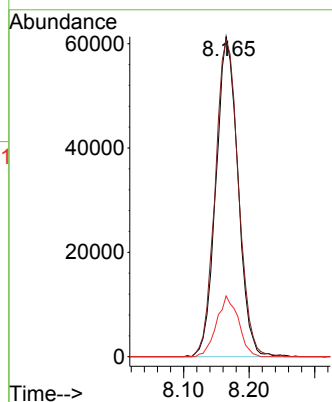
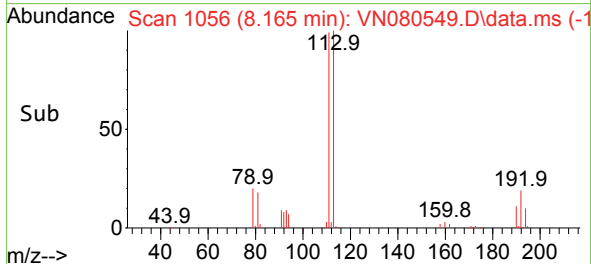


#35
Dibromofluoromethane
Concen: 55.362 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

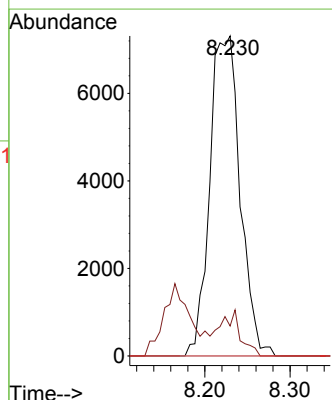
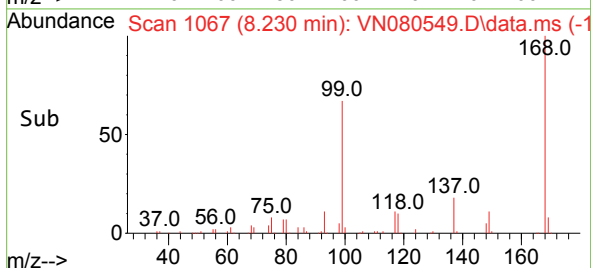
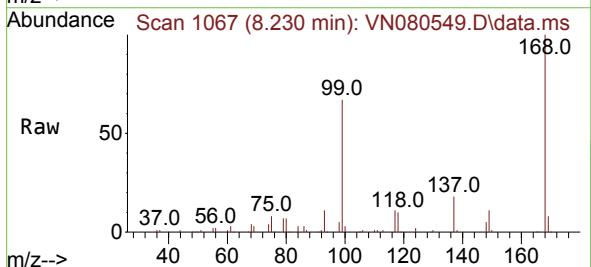


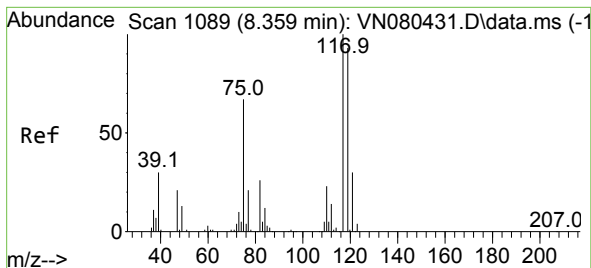
Tgt Ion:113 Resp: 142669
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 18.9 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.292 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Tgt Ion: 75 Resp: 18083
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.873 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

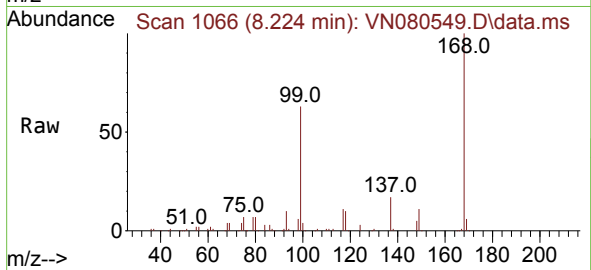
Lab File: VN080549.D

Acq: 20 Dec 2023 16:07

Instrument :

MSVOA_N

ClientSampleId :



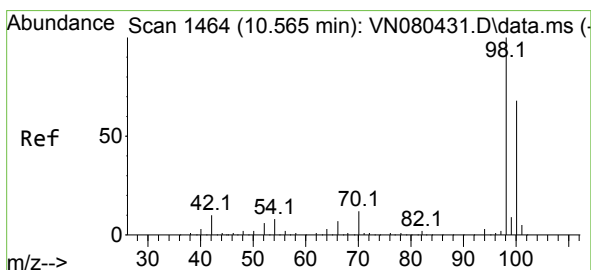
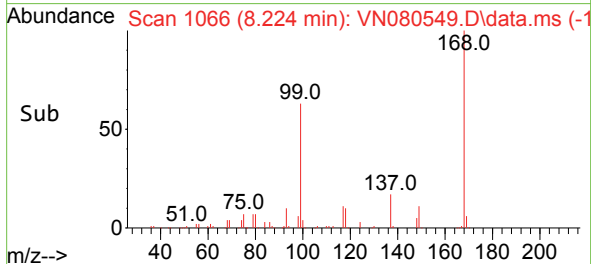
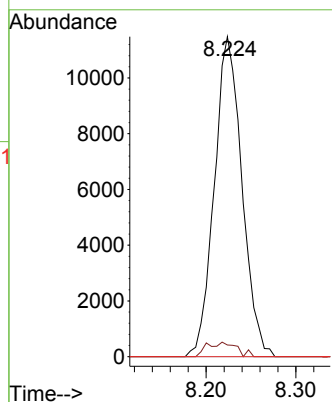
Tgt Ion:117 Resp: 24534

Ion Ratio Lower Upper

117 100

119 3.6 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 51.775 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080549.D

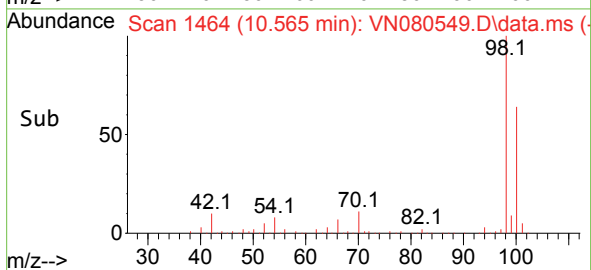
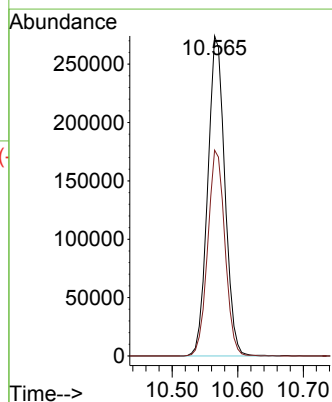
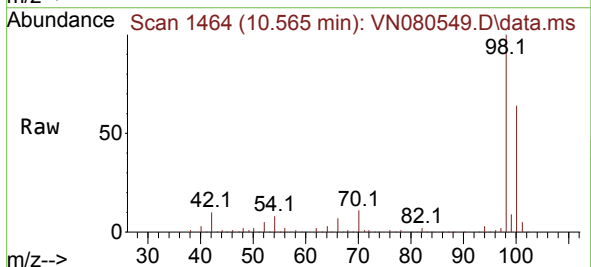
Acq: 20 Dec 2023 16:07

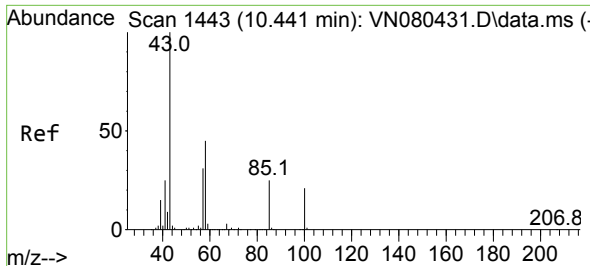
Tgt Ion: 98 Resp: 497611

Ion Ratio Lower Upper

98 100

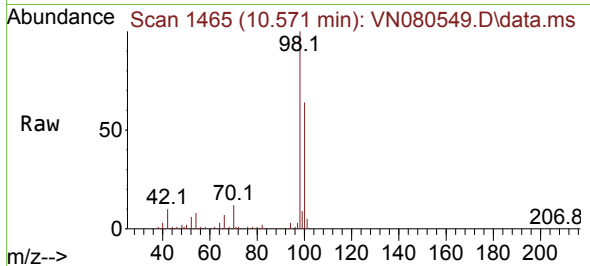
100 64.5 52.0 78.0



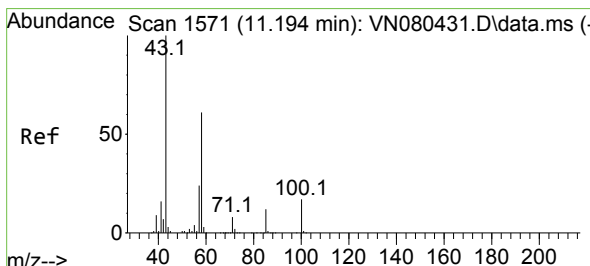
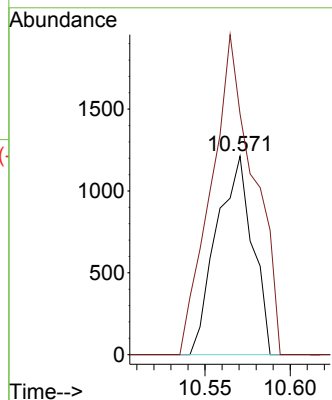
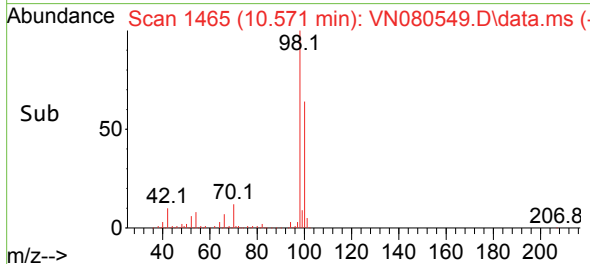


#51
4-Methyl-2-Pentanone
Concen: 0.683 ug/l
RT: 10.571 min Scan# 1443
Delta R.T. 0.130 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

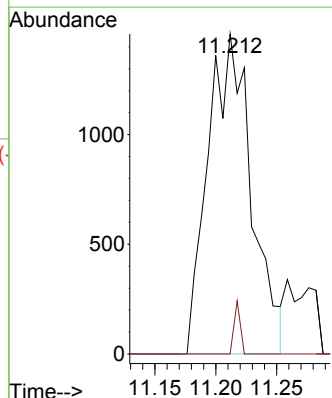
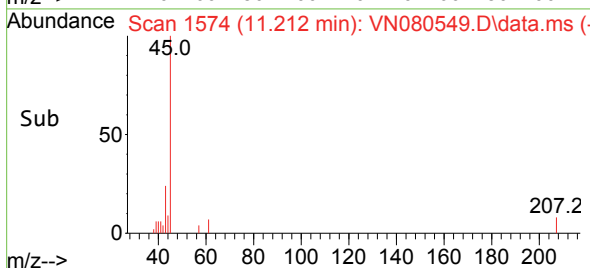
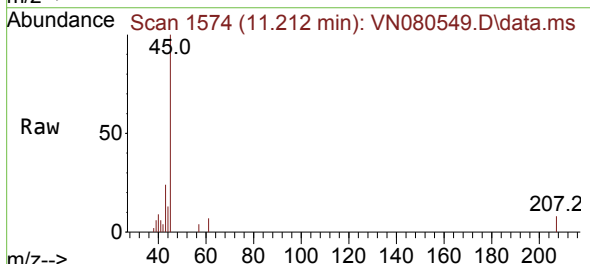


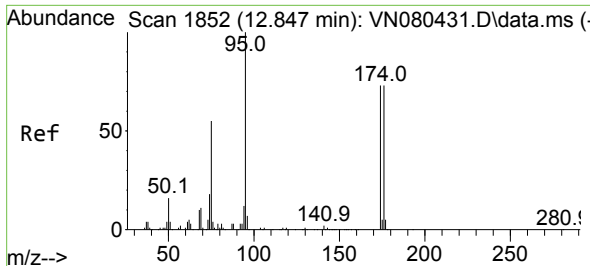
Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
58 190.9 36.6 54.8#



#59
2-Hexanone
Concen: 1.875 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.018 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Tgt Ion: 43 Resp: 3616
Ion Ratio Lower Upper
43 100
58 2.4 31.7 95.1#

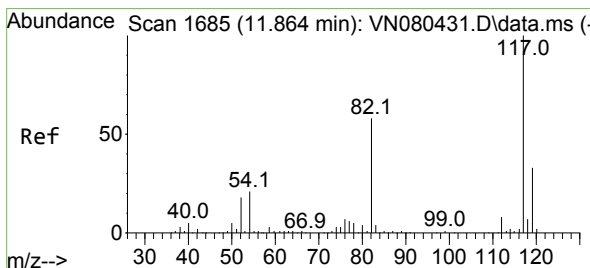
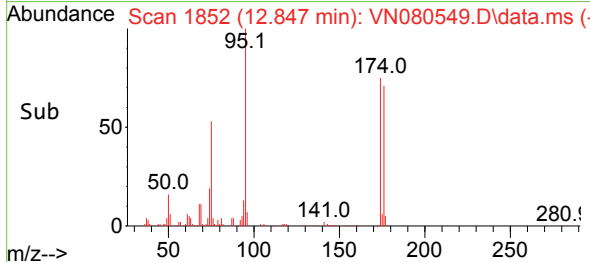
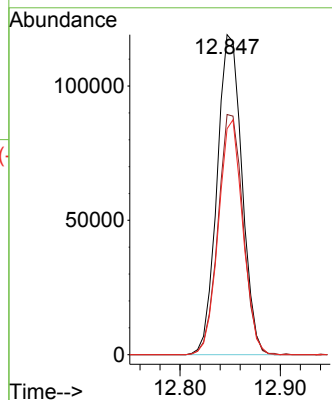
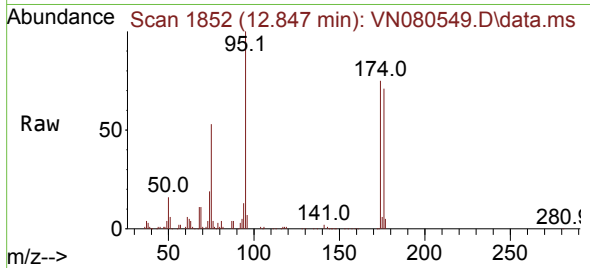




#62
4-Bromofluorobenzene
Concen: 56.247 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

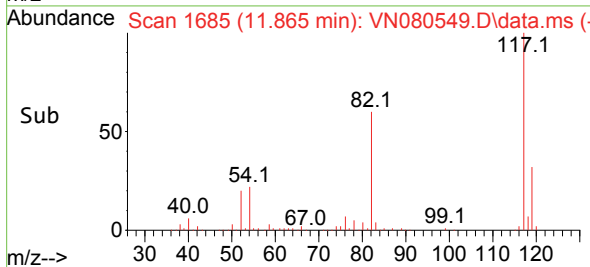
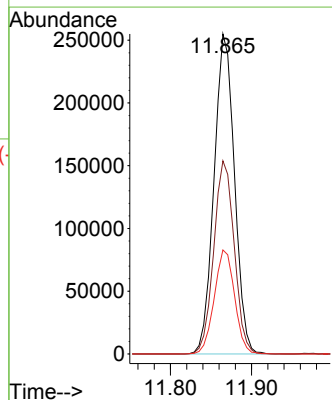
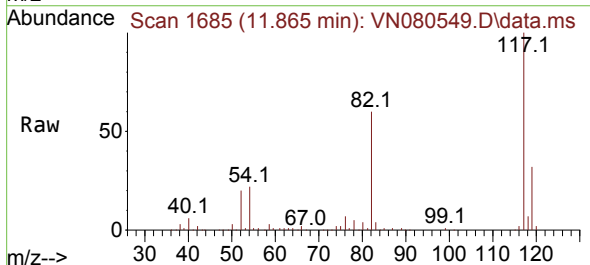
Instrument :
MSVOA_N
ClientSampleId :

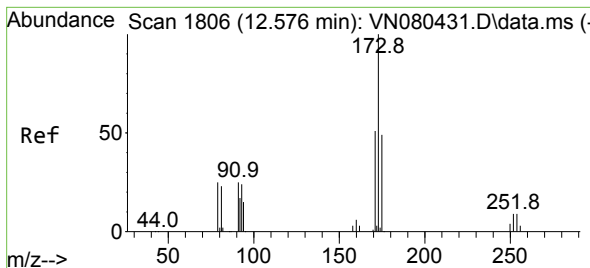
Tgt Ion: 95 Resp: 205277
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.8
176 72.1 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Tgt Ion: 117 Resp: 446581
Ion Ratio Lower Upper
117 100
82 60.4 44.0 66.0
119 32.5 25.6 38.4





#71

Bromoform

Concen: 0.250 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN080549.D

Acq: 20 Dec 2023 16:07

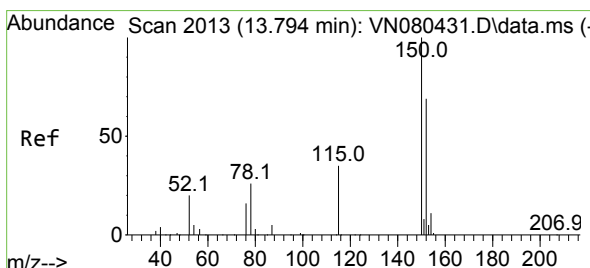
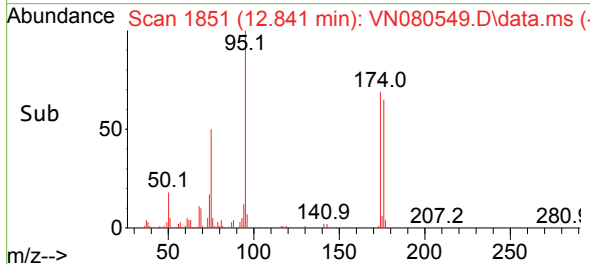
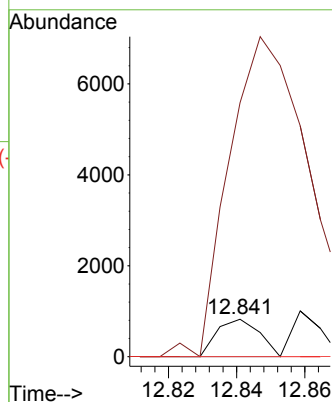
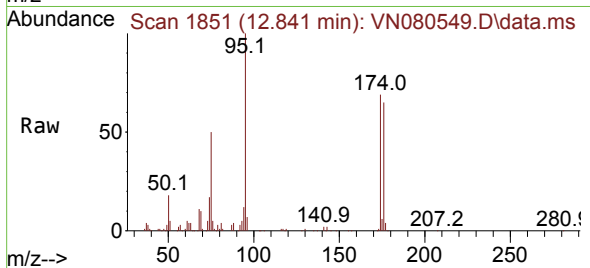
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 711

Ion	Ratio	Lower	Upper
173	100		
175	1122.9	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

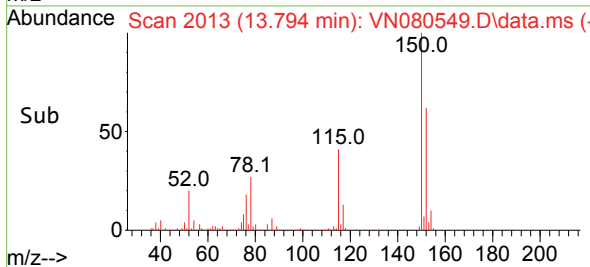
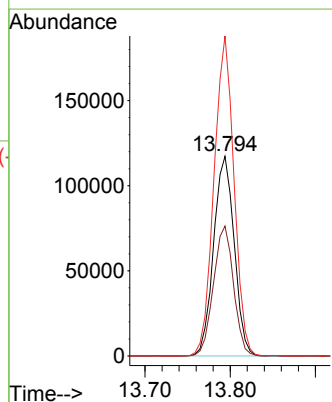
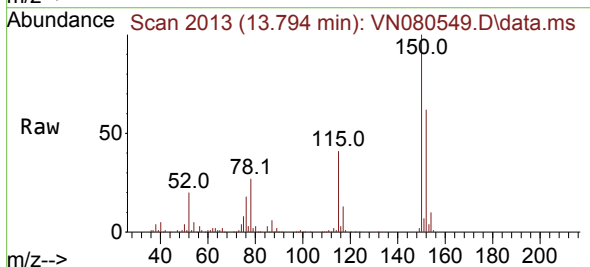
Delta R.T. 0.000 min

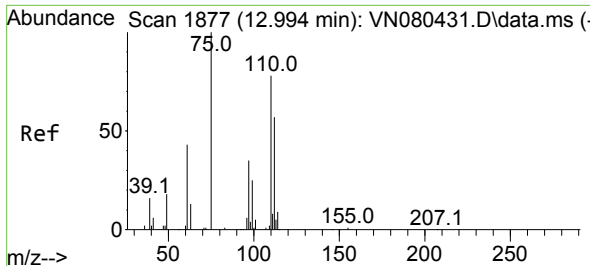
Lab File: VN080549.D

Acq: 20 Dec 2023 16:07

Tgt Ion:152 Resp: 196657

Ion	Ratio	Lower	Upper
152	100		
115	63.4	32.3	96.8
150	155.7	0.0	355.8

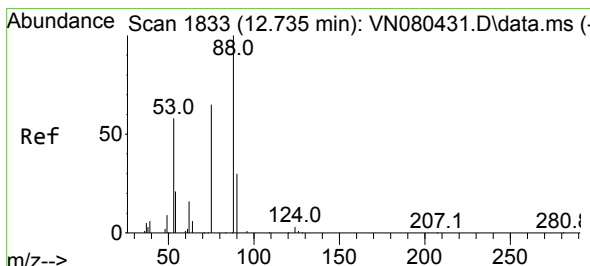
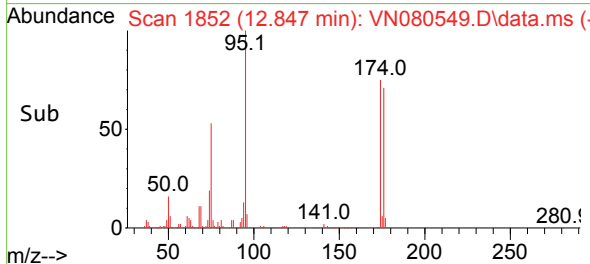
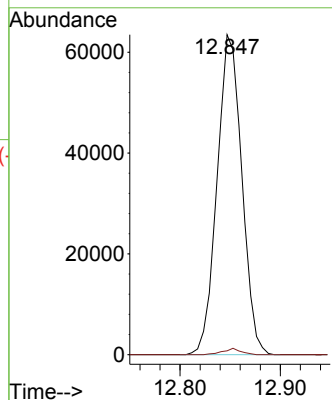
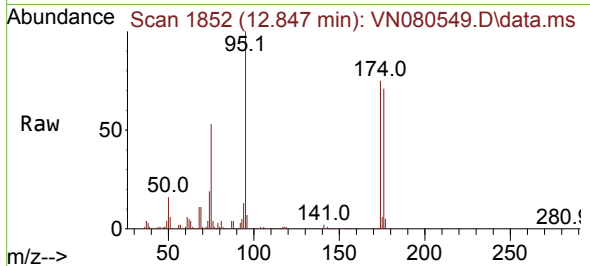




#76
1,2,3-Trichloropropane
Concen: 27.681 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 108600
Ion Ratio Lower Upper
75 100
77 1.4 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.679 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080549.D
Acq: 20 Dec 2023 16:07

Tgt Ion: 75 Resp: 108600
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

