

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080487.D
 Acq On : 14 Dec 2023 17:03
 Operator : JC\MD
 Sample : 05688-03RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 00:30:21 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)

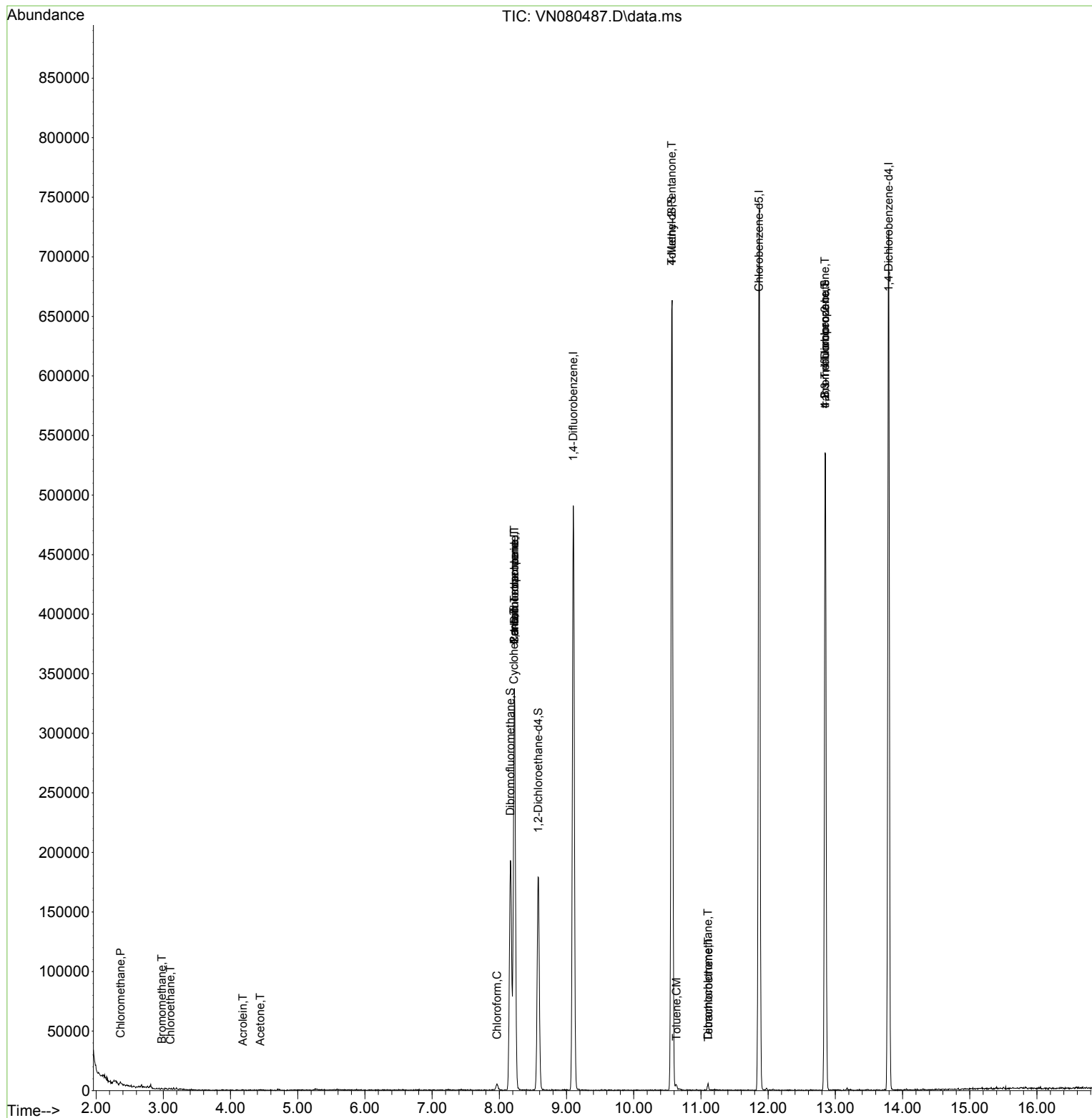
Internal Standards						
1) Pentafluorobenzene	8.224	168	238658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	423915	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	430050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	192772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160107	52.525	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.040%	
35) Dibromofluoromethane	8.165	113	137209	51.049	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	10.565	98	474345	47.321	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.640%	
62) 4-Bromofluorobenzene	12.847	95	192030	50.449	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3441	0.681	ug/l	90
5) Bromomethane	2.977	94	327	0.278	ug/l	82
6) Chloroethane	3.106	64	548	0.327	ug/l #	43
13) Acrolein	4.183	56	152	0.387	ug/l #	24
16) Acetone	4.442	43	852	1.576	ug/l #	40
30) Chloroform	7.965	83	5141	0.969	ug/l	98
31) Cyclohexane	8.218	56	4659	1.124	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	18353	4.176	ug/l #	50
38) Carbon Tetrachloride	8.224	117	27746	5.284	ug/l #	15
51) 4-Methyl-2-Pentanone	10.565	43	1628	0.597	ug/l #	1
52) Toluene	10.635	92	1877	0.234	ug/l	97
60) Dibromochloromethane	11.106	129	930	0.272	ug/l #	11
64) Tetrachloroethene	11.112	164	1042	0.314	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	105893	27.535	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	105893	72.296	ug/l #	15

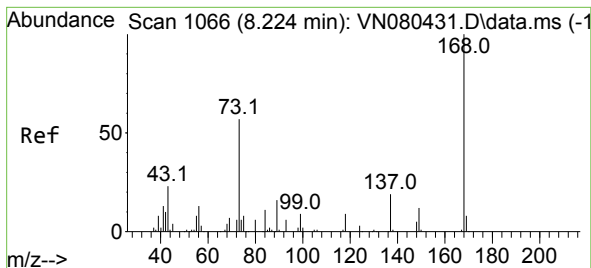
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 13 01:57:14 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080487.D

Acq: 14 Dec 2023 17:03

Instrument :

MSVOA_N

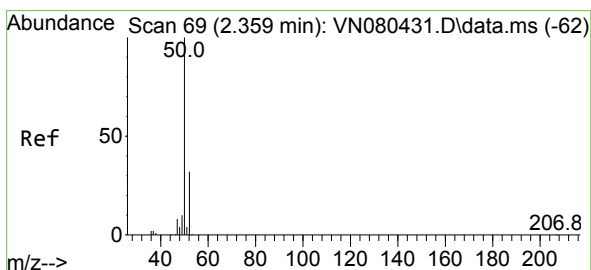
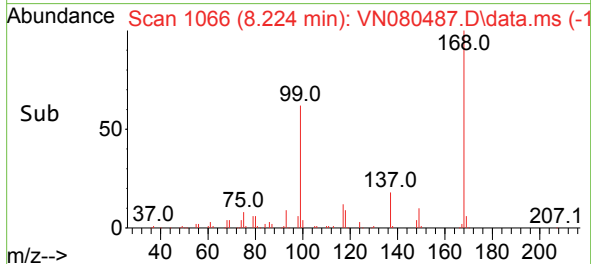
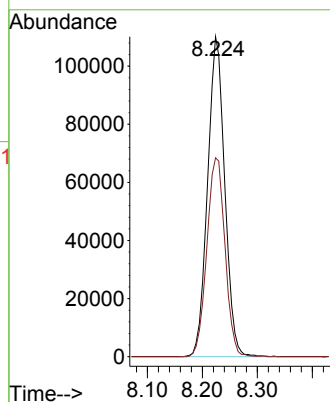
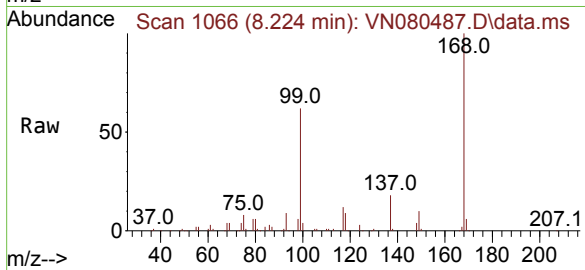
ClientSampleId :

Tgt Ion:168 Resp: 238658

Ion Ratio Lower Upper

168 100

99 62.1 53.0 79.6



#3

Chloromethane

Concen: 0.681 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080487.D

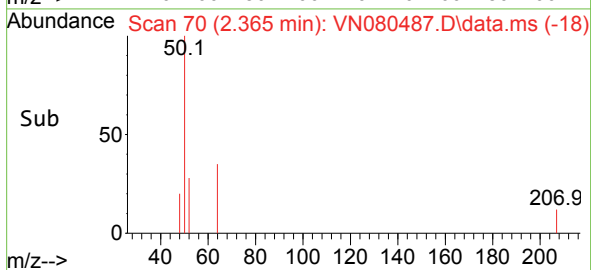
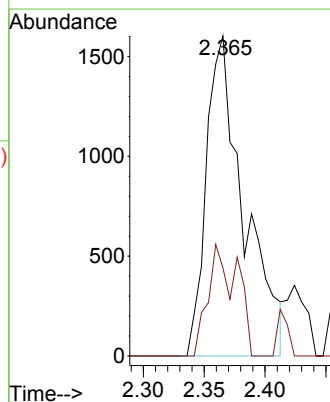
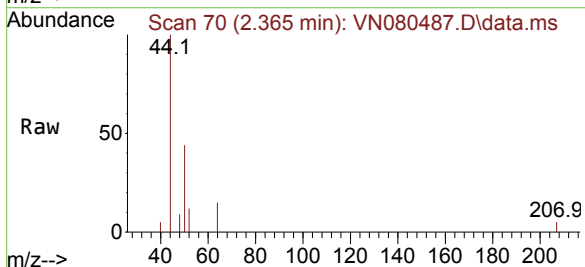
Acq: 14 Dec 2023 17:03

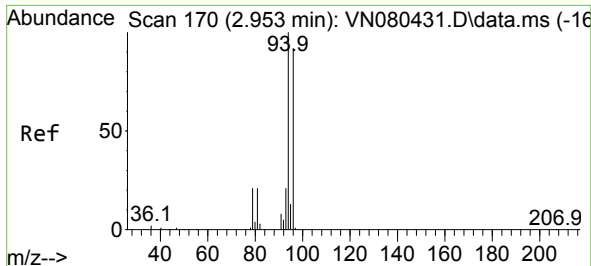
Tgt Ion: 50 Resp: 3441

Ion Ratio Lower Upper

50 100

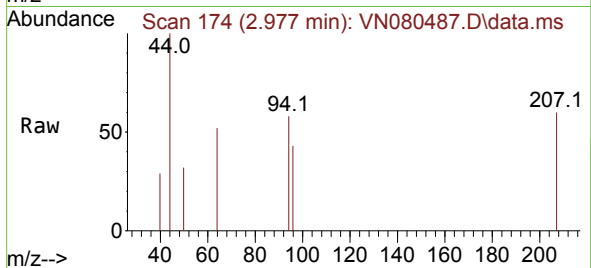
52 27.6 26.5 39.7



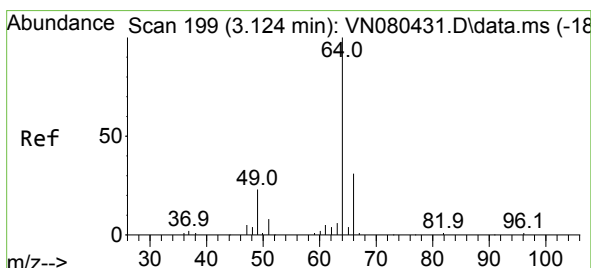
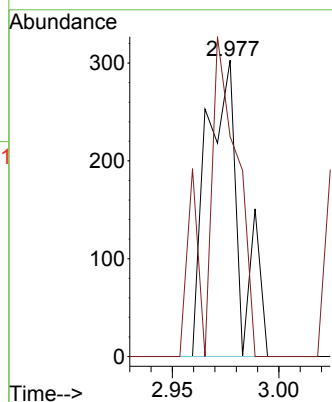
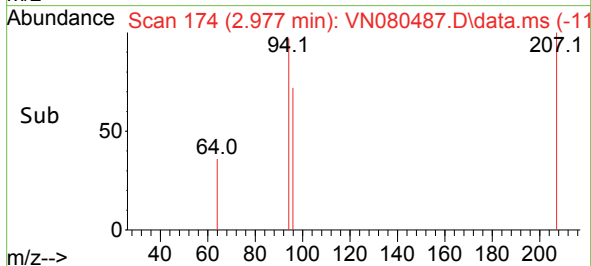


#5
Bromomethane
Concen: 0.278 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Instrument :
MSVOA_N
ClientSampleId :

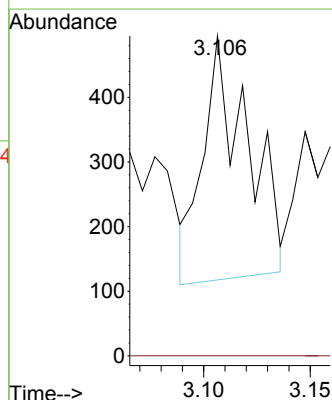
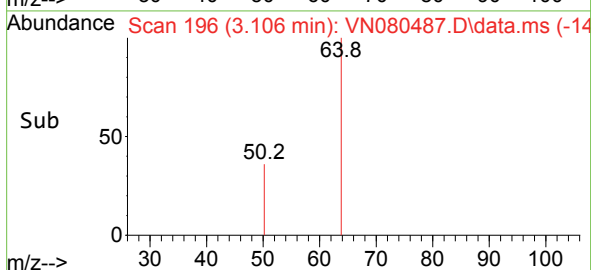
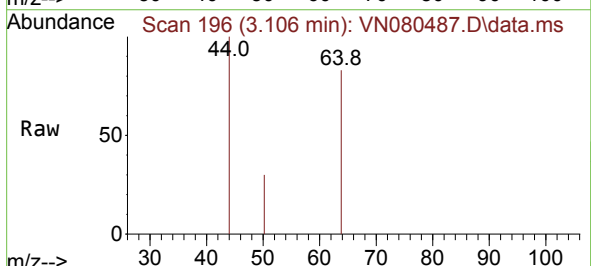


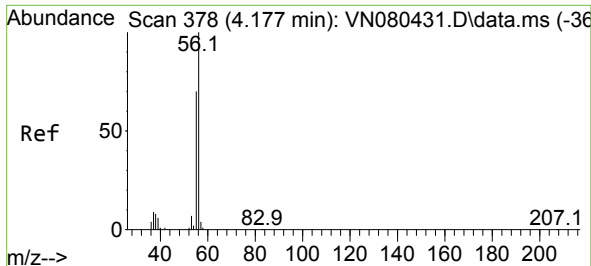
Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 74.3 73.1 109.7



#6
Chloroethane
Concen: 0.327 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.017 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

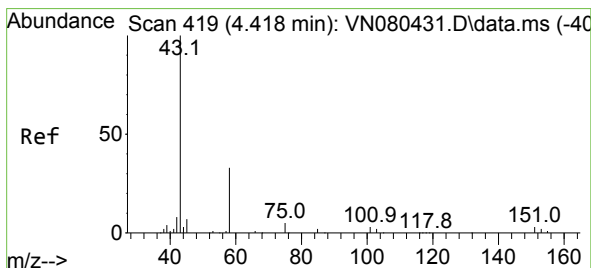
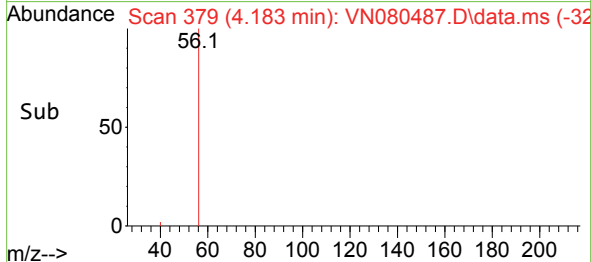
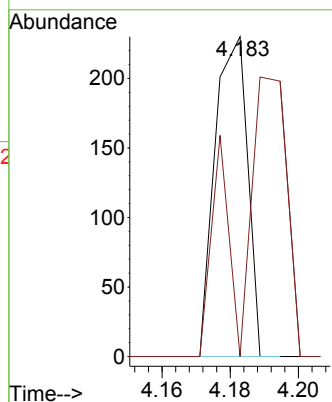
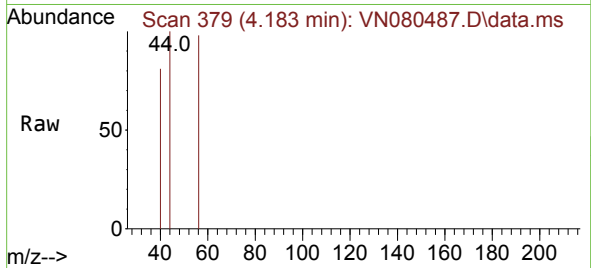




#13
Acrolein
Concen: 0.387 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

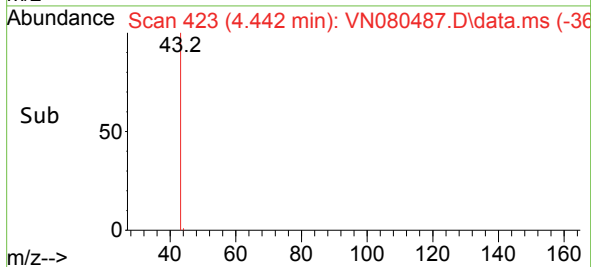
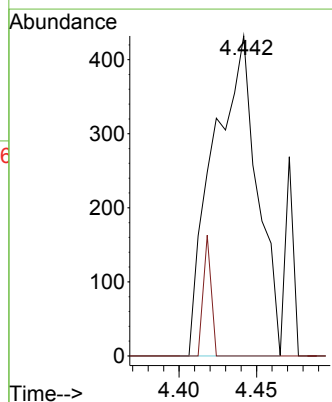
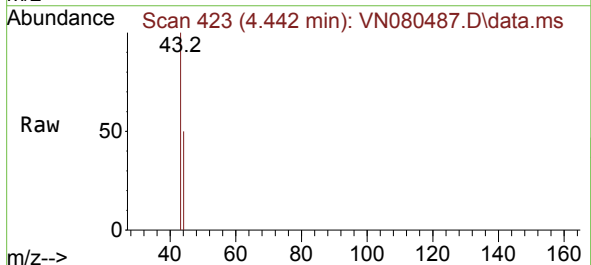
Instrument :
MSVOA_N
ClientSampleId :

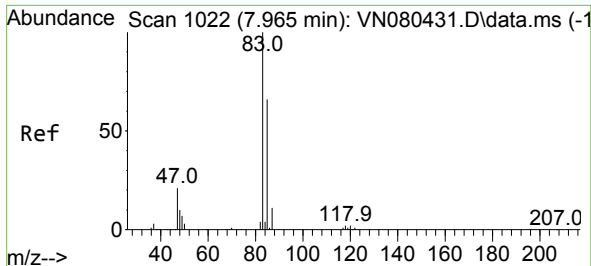
Tgt Ion: 56 Resp: 152
Ion Ratio Lower Upper
56 100
55 129.6 54.5 81.7#



#16
Acetone
Concen: 1.576 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#

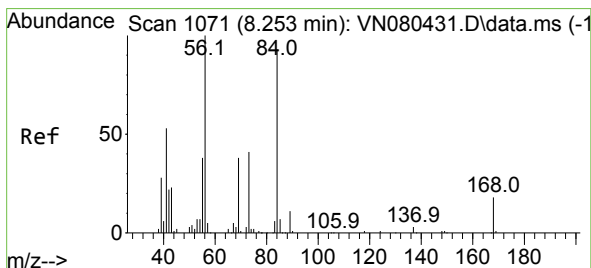
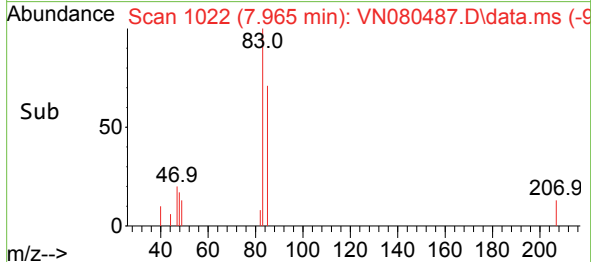
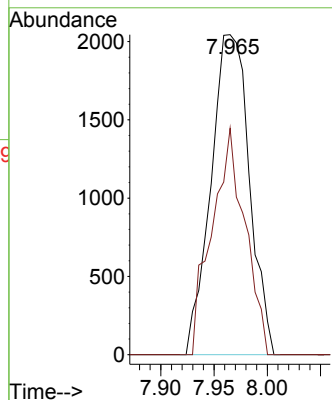
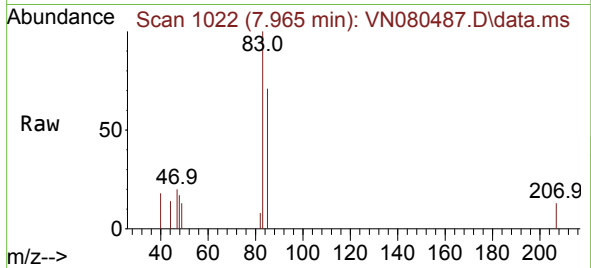




#30
Chloroform
Concen: 0.969 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

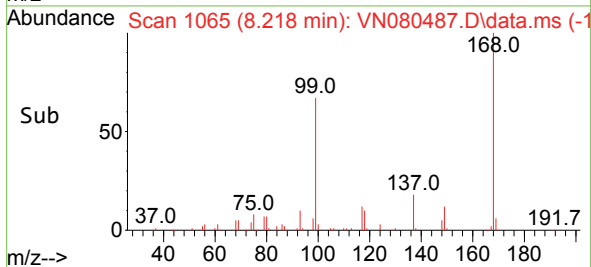
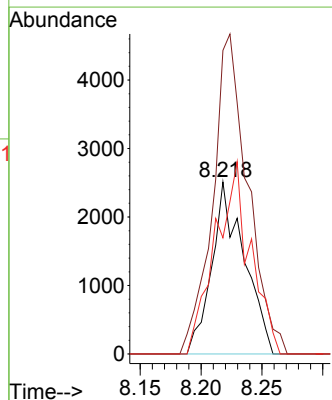
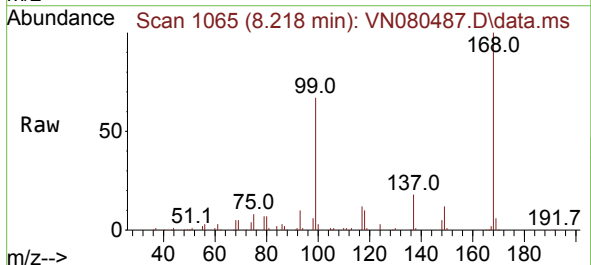
Instrument :
MSVOA_N
ClientSampleId :

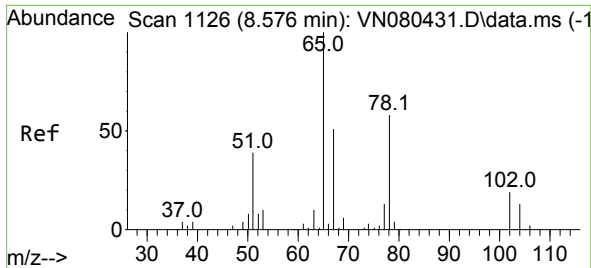
Tgt Ion: 83 Resp: 5141
Ion Ratio Lower Upper
83 100
85 70.7 55.4 83.0



#31
Cyclohexane
Concen: 1.124 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Tgt Ion: 56 Resp: 4659
Ion Ratio Lower Upper
56 100
69 176.5 26.8 40.2#
84 67.6 81.8 122.6#

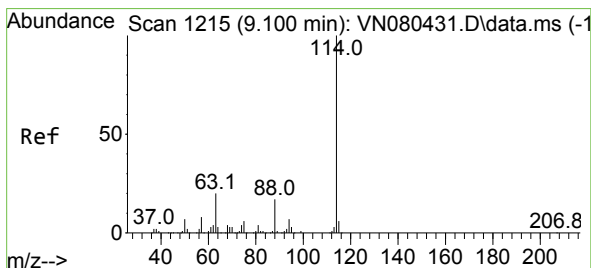
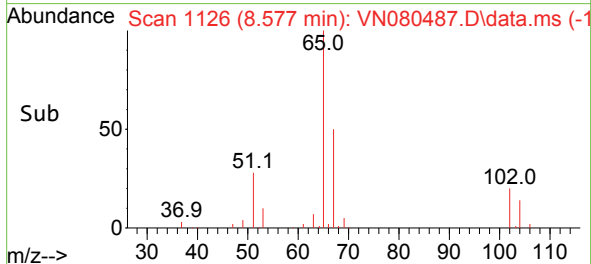
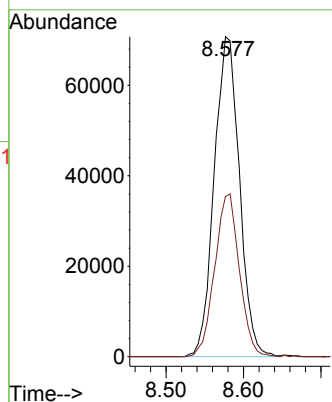
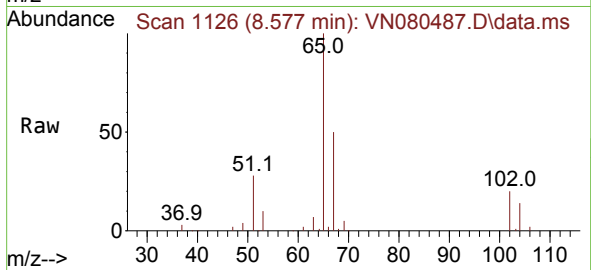




#33
 1,2-Dichloroethane-d4
 Concen: 52.525 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN080487.D
 Acq: 14 Dec 2023 17:03

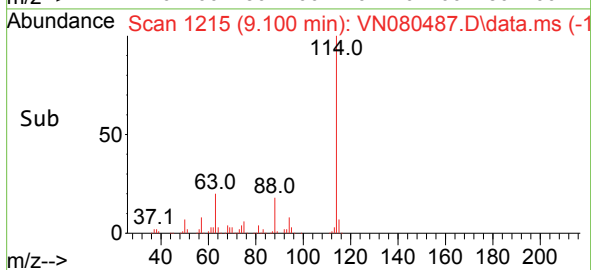
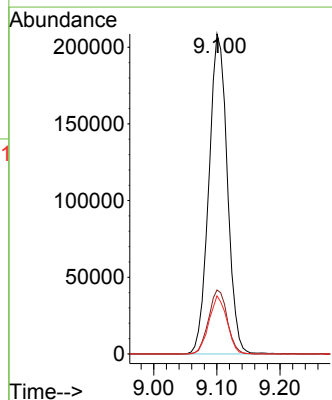
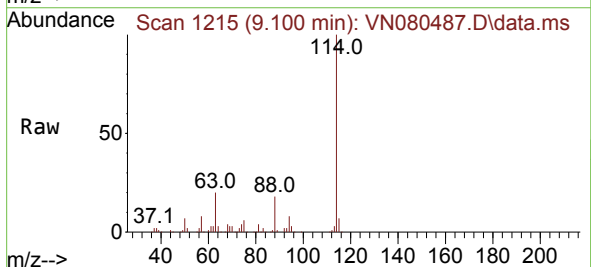
Instrument :
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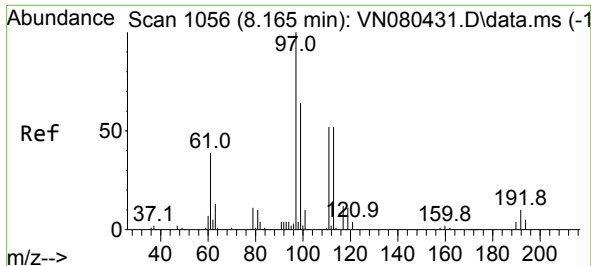
Tgt Ion: 65 Resp: 160107
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN080487.D
 Acq: 14 Dec 2023 17:03

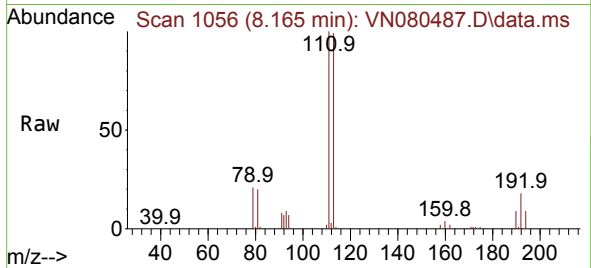
Tgt Ion: 114 Resp: 423915
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 36.4
 88 18.2 0.0 30.6



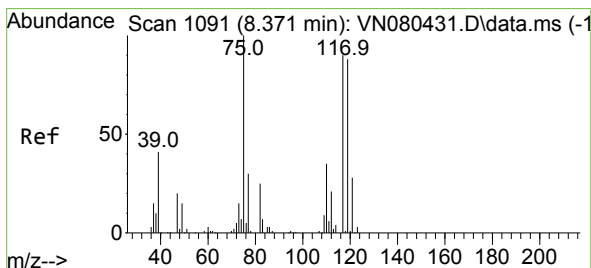
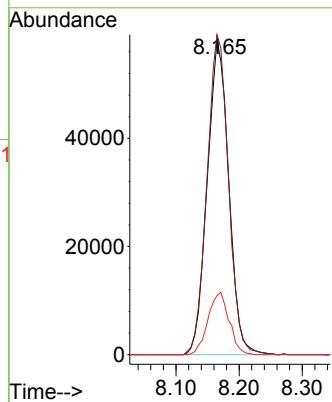
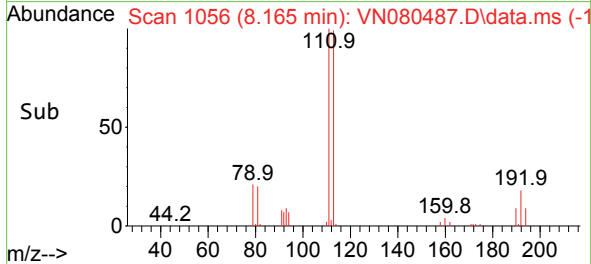


#35
Dibromofluoromethane
Concen: 51.049 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Instrument :
MSVOA_N
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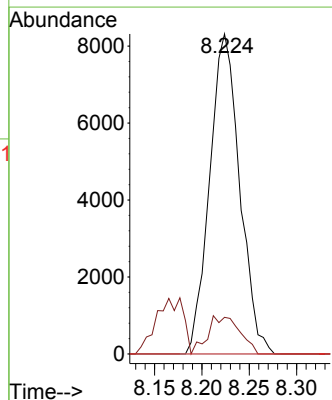
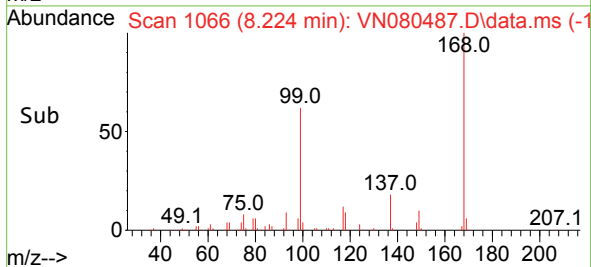
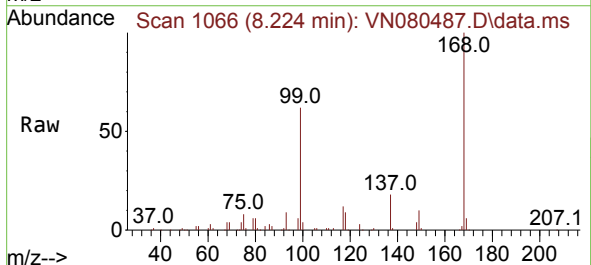


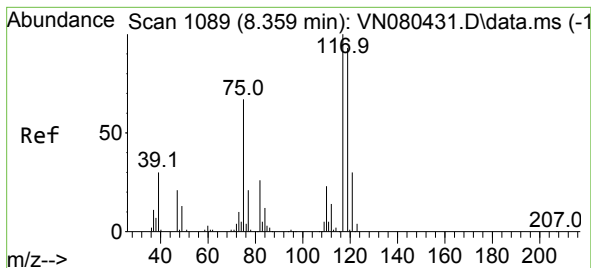
Tgt Ion:113 Resp: 137209
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 19.5 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.176 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Tgt Ion: 75 Resp: 18353
Ion Ratio Lower Upper
75 100
110 11.4 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.284 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

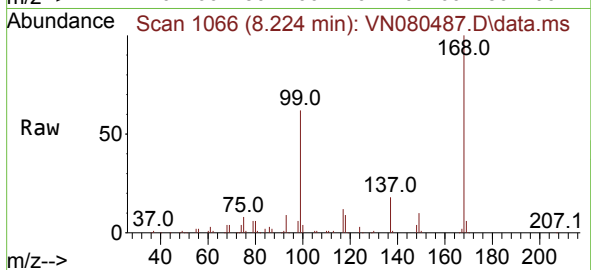
Lab File: VN080487.D

Acq: 14 Dec 2023 17:03

Instrument :

MSVOA_N

ClientSampleId :



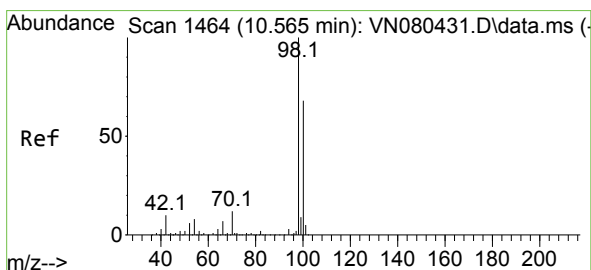
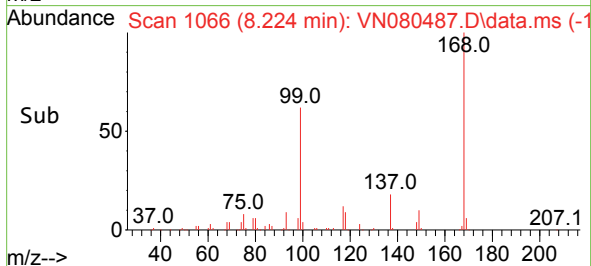
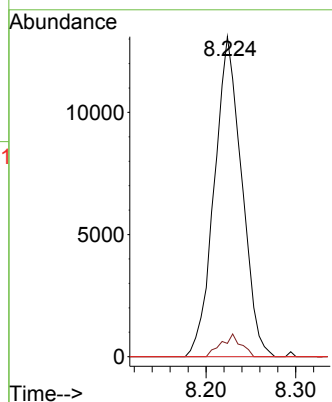
Tgt Ion:117 Resp: 27746

Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 47.321 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080487.D

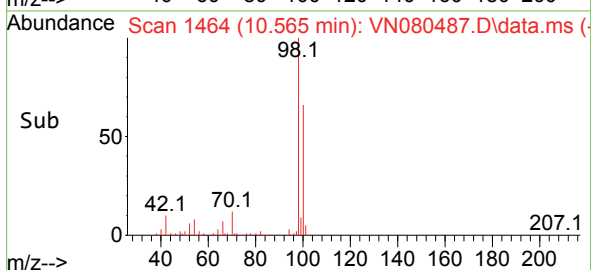
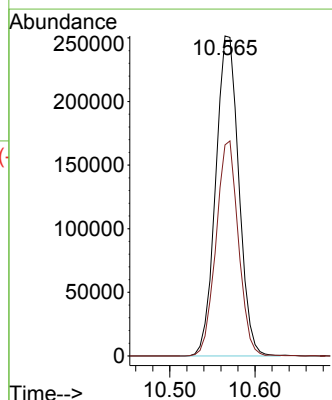
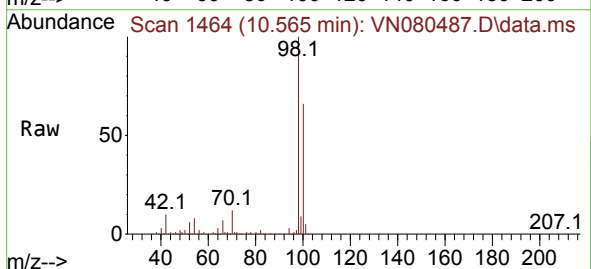
Acq: 14 Dec 2023 17:03

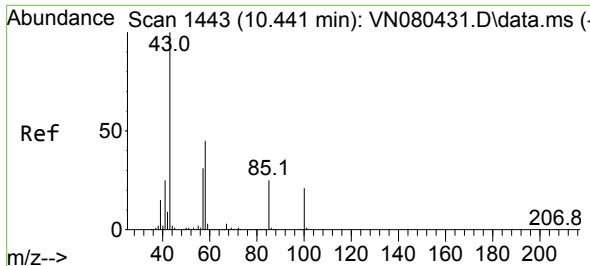
Tgt Ion: 98 Resp: 474345

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0

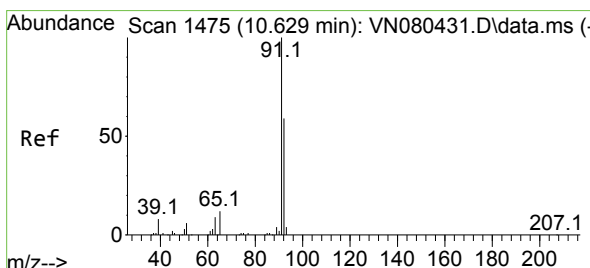
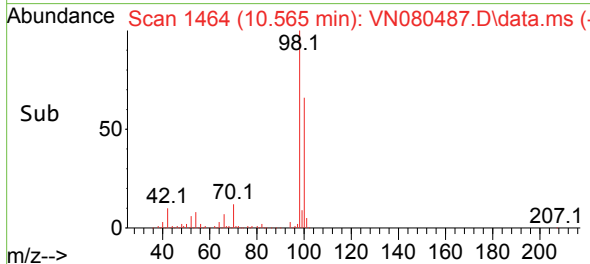
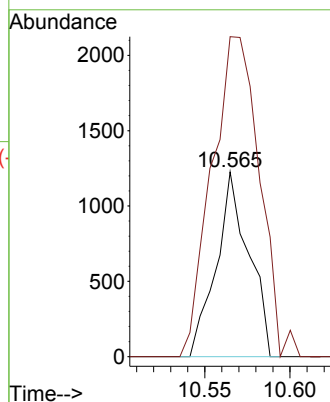
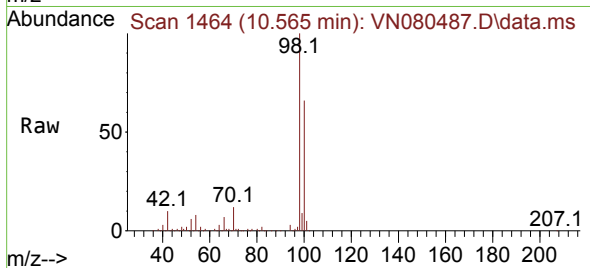




#51
4-Methyl-2-Pentanone
Concen: 0.597 ug/l
RT: 10.565 min Scan# 1443
Delta R.T. 0.124 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

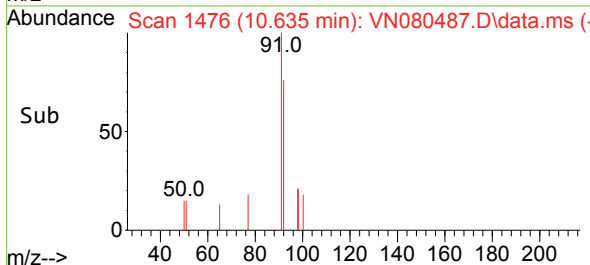
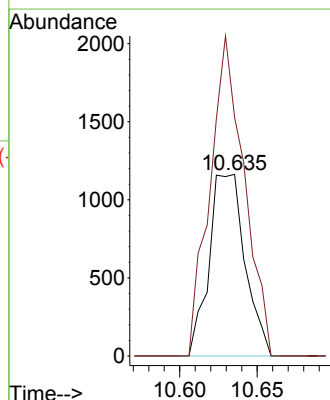
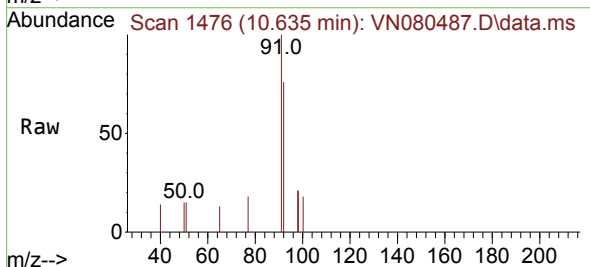
Instrument :
MSVOA_N
ClientSampleId :

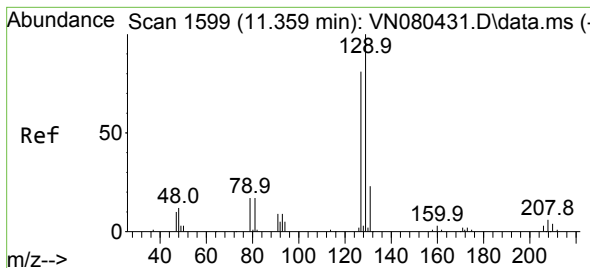
Tgt Ion: 43 Resp: 1628
Ion Ratio Lower Upper
43 100
58 254.2 36.6 54.8#



#52
Toluene
Concen: 0.234 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Tgt Ion: 92 Resp: 1877
Ion Ratio Lower Upper
92 100
91 167.7 137.4 206.0

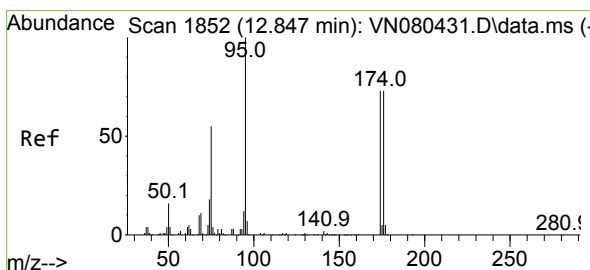
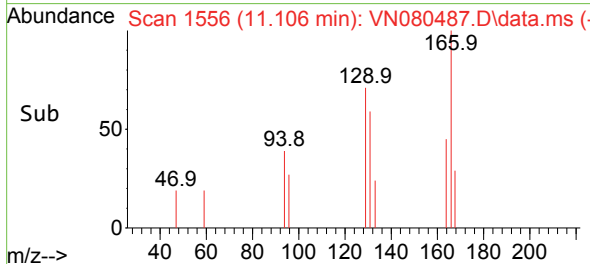
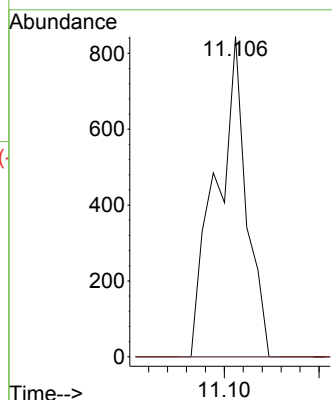
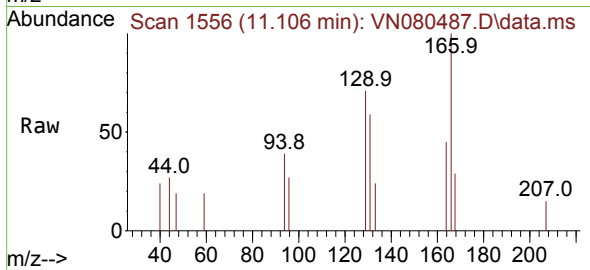




#60
Dibromochloromethane
Concen: 0.272 ug/l
RT: 11.106 min Scan# 1156
Delta R.T. -0.253 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

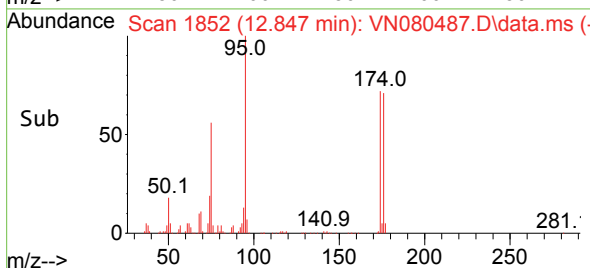
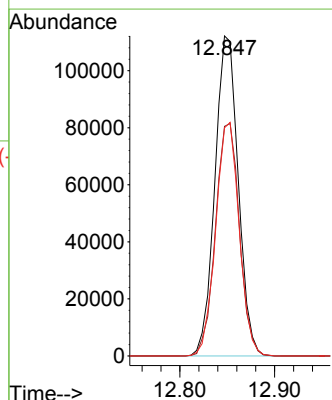
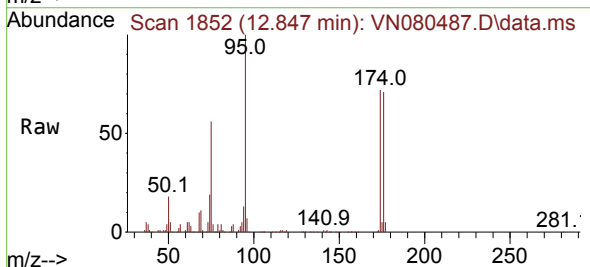
Instrument :
MSVOA_N
ClientSampleId :

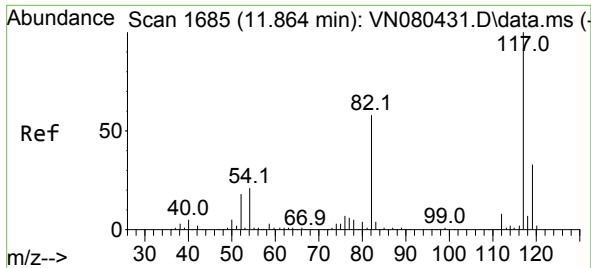
Tgt Ion:129 Resp: 930
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 50.449 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Tgt Ion: 95 Resp: 192030
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 73.4 0.0 135.8

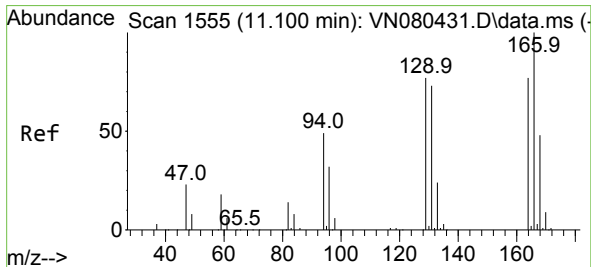
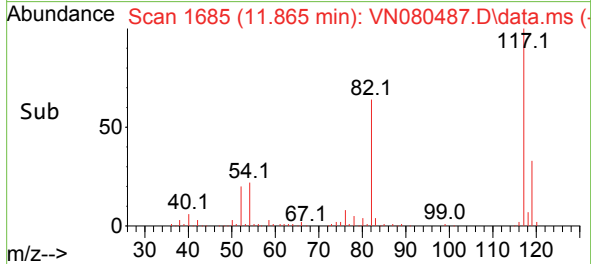
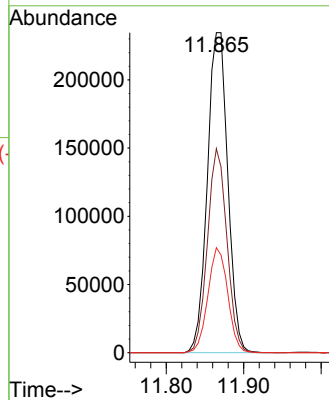
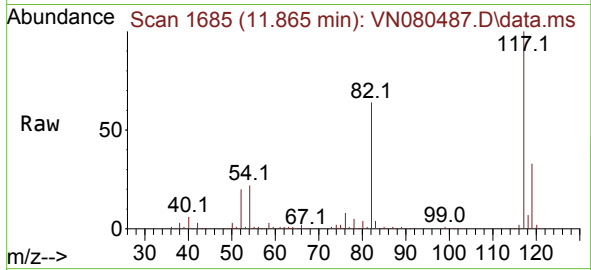




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

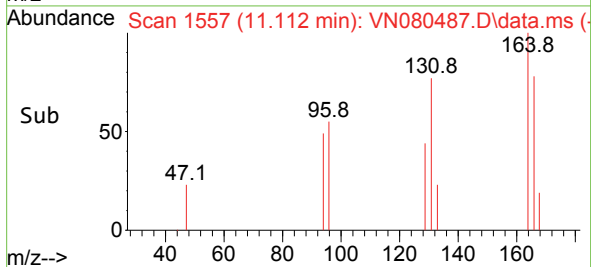
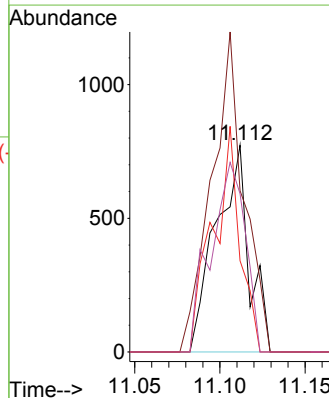
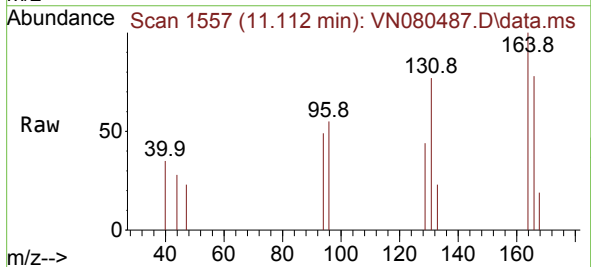
Instrument :
MSVOA_N
ClientSampleId :

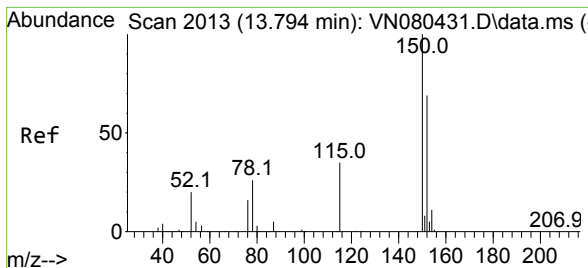
Tgt Ion:117 Resp: 430050
Ion Ratio Lower Upper
117 100
82 63.7 44.0 66.0
119 32.8 25.6 38.4



#64
Tetrachloroethene
Concen: 0.314 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.012 min
Lab File: VN080487.D
Acq: 14 Dec 2023 17:03

Tgt Ion:164 Resp: 1042
Ion Ratio Lower Upper
164 100
166 78.0 101.4 152.0#
129 44.1 82.4 123.6#
131 76.6 78.2 117.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

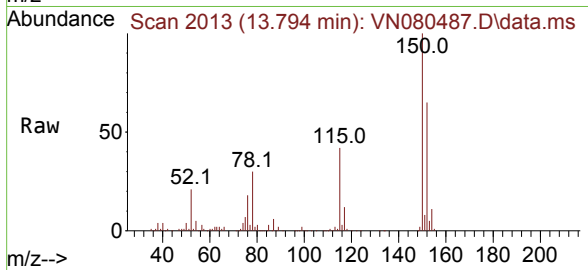
Lab File: VN080487.D

Acq: 14 Dec 2023 17:03

Instrument :

MSVOA_N

ClientSampleId :



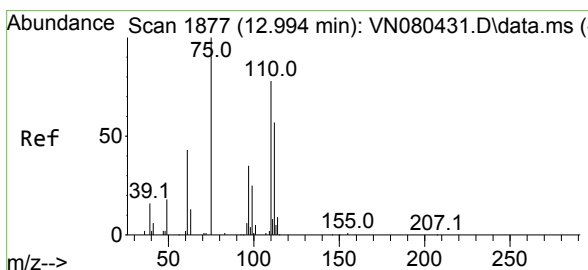
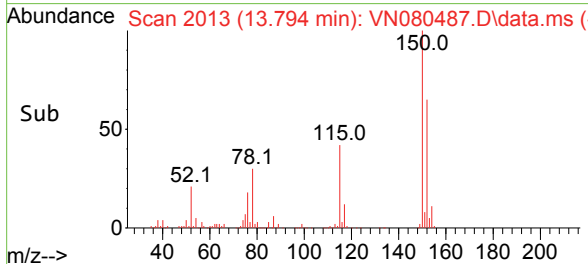
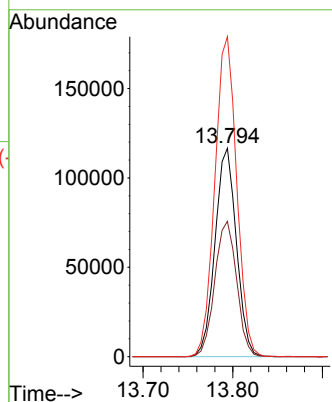
Tgt Ion:152 Resp: 192772

Ion Ratio Lower Upper

152 100

115 66.6 32.3 96.8

150 156.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 27.535 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080487.D

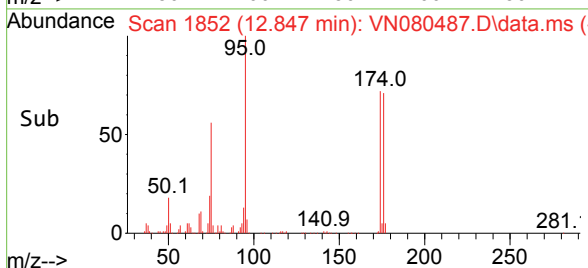
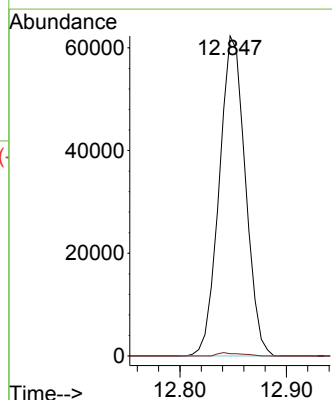
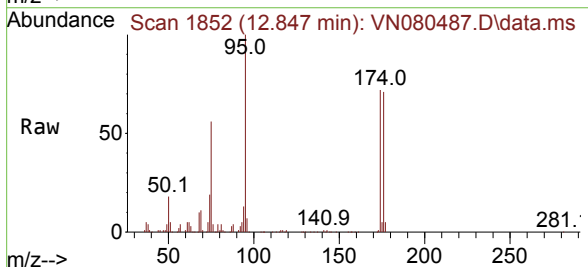
Acq: 14 Dec 2023 17:03

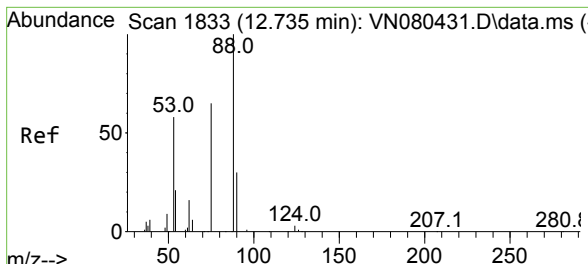
Tgt Ion: 75 Resp: 105893

Ion Ratio Lower Upper

75 100

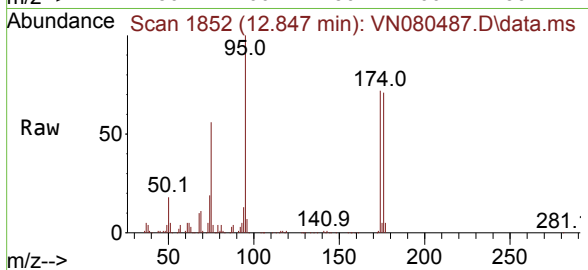
77 0.9 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.296 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080487.D
 Acq: 14 Dec 2023 17:03

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 105893
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

