

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121323\
 Data File : VN080464.D
 Acq On : 13 Dec 2023 16:05
 Operator : JC\MD
 Sample : 05670-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 04:08:45 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)

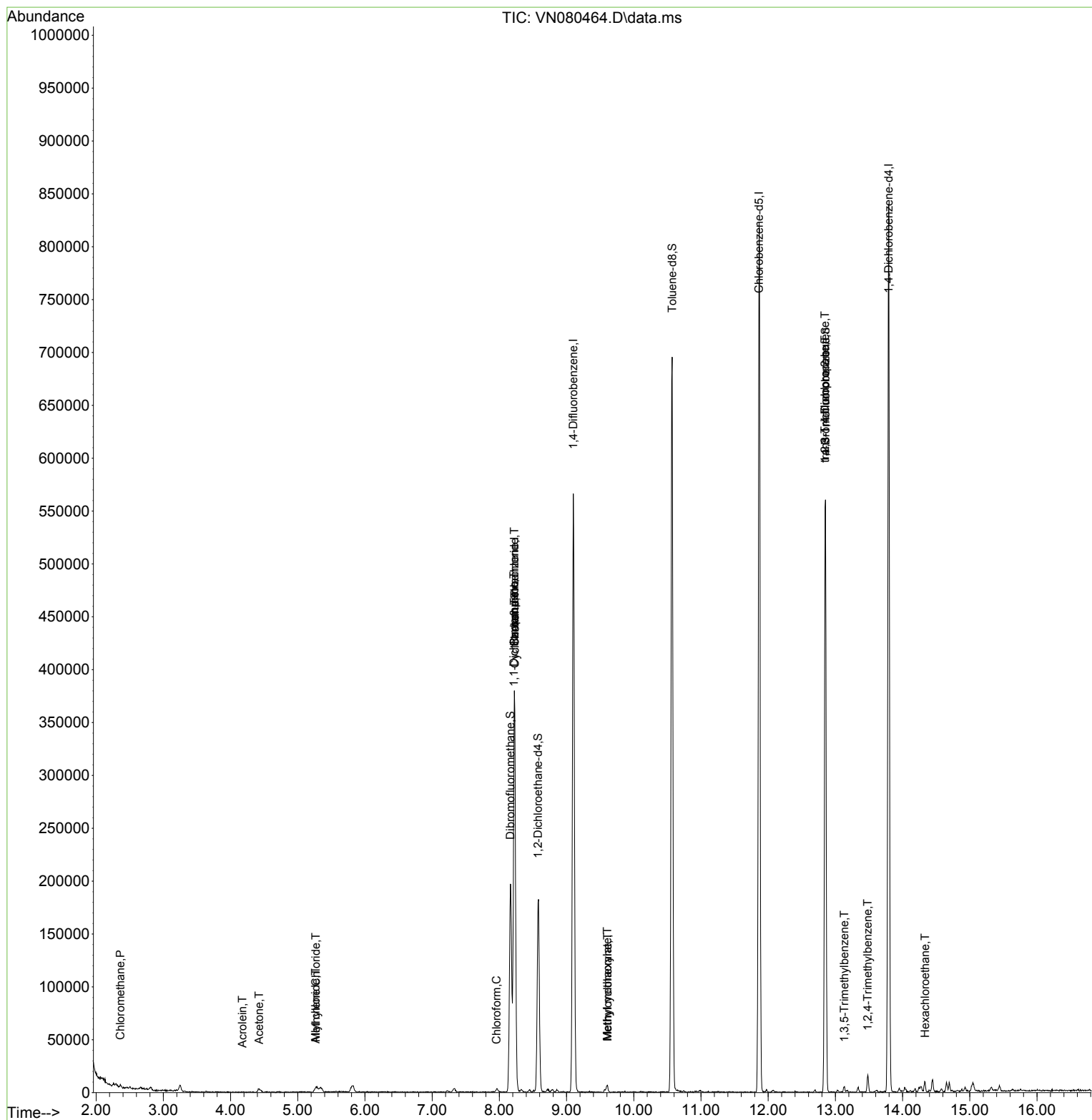
Internal Standards						
1) Pentafluorobenzene	8.224	168	269437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	482068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	482275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	163063	47.384	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.760%		
35) Dibromofluoromethane	8.165	113	138128	45.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.380%		
50) Toluene-d8	10.571	98	495278	43.449	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.900%		
62) 4-Bromofluorobenzene	12.853	95	202648	46.816	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	2665	0.338	ug/l #	81
13) Acrolein	4.177	56	181	0.408	ug/l #	68
14) Allyl chloride	5.265	41	988	0.276	ug/l #	39
16) Acetone	4.424	43	1647	2.699	ug/l #	40
20) Methylene Chloride	5.271	84	1664	0.510	ug/l #	72
30) Chloroform	7.959	83	3375	0.563	ug/l #	51
31) Cyclohexane	8.230	56	6746	1.441	ug/l #	25
36) 1,1-Dichloropropene	8.218	75	19526	3.907	ug/l #	51
38) Carbon Tetrachloride	8.224	117	29412	4.925	ug/l #	18
39) Methylcyclohexane	9.612	83	3242	0.624	ug/l	92
48) Methyl methacrylate	9.606	41	1519	0.452	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	109001	24.244	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.135	105	4519	0.290	ug/l	67
81) trans-1,4-Dichloro-2-b...	12.847	75	109001	63.656	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.482	105	9232	0.595	ug/l	100
90) Hexachloroethane	14.335	117	609	0.260	ug/l #	21

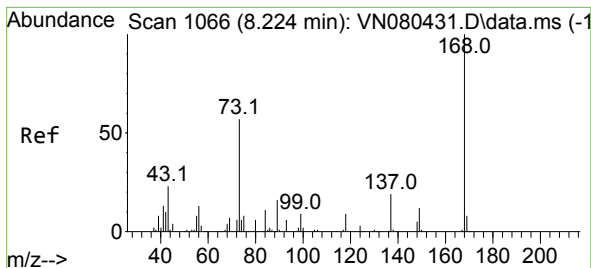
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

Instrument :

MSVOA_N

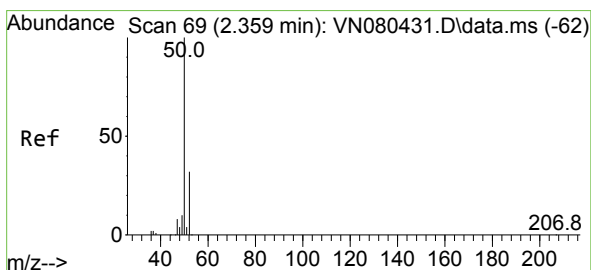
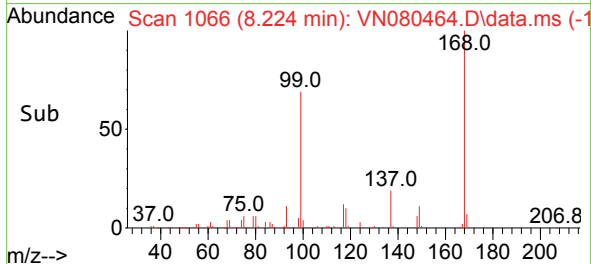
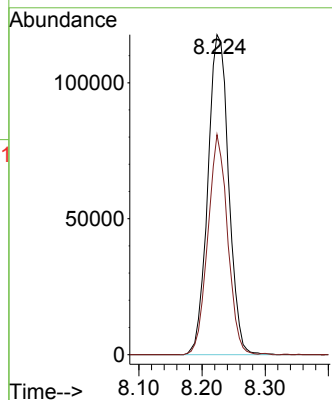
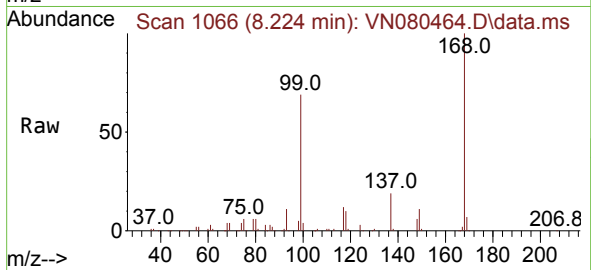
ClientSampleId :

Tgt Ion:168 Resp: 269437

Ion Ratio Lower Upper

168 100

99 68.8 53.0 79.6



#3

Chloromethane

Concen: 0.338 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN080464.D

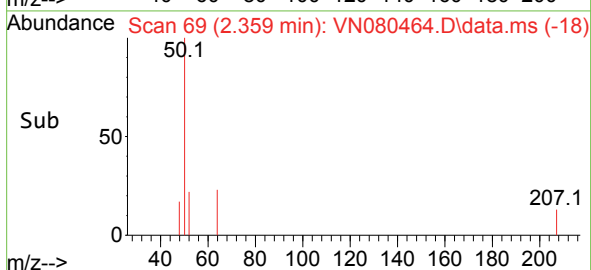
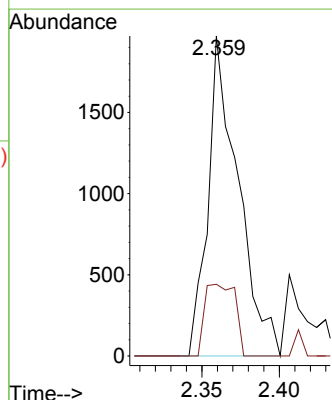
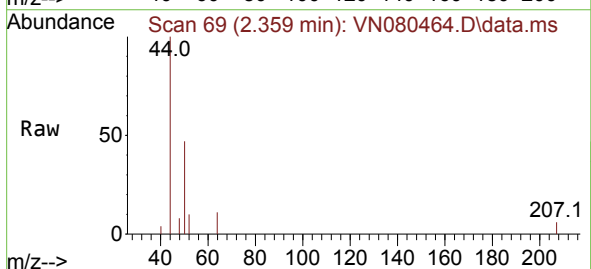
Acq: 13 Dec 2023 16:05

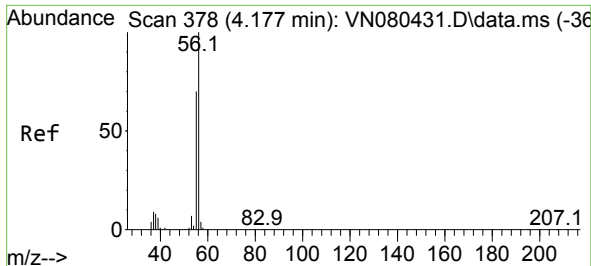
Tgt Ion: 50 Resp: 2665

Ion Ratio Lower Upper

50 100

52 22.4 26.5 39.7#





#13

Acrolein

Concen: 0.408 ug/l

RT: 4.177 min Scan# 31

Delta R.T. 0.000 min

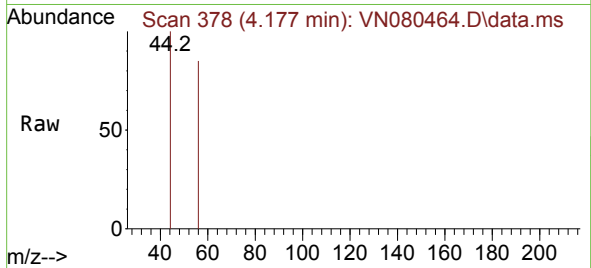
Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

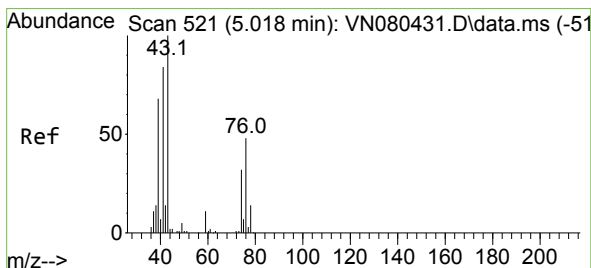
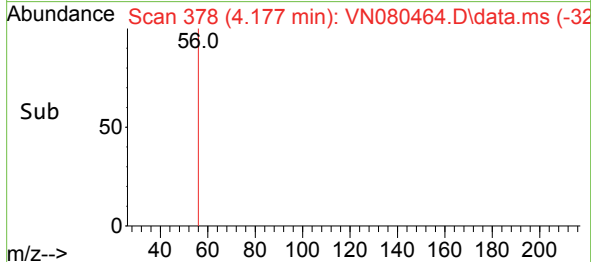
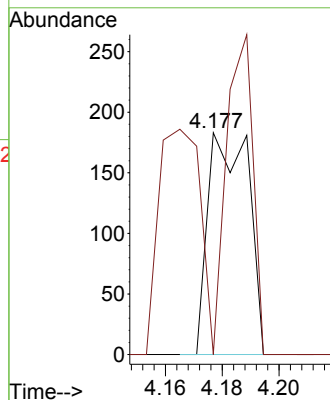


Tgt Ion: 56 Resp: 181

Ion Ratio Lower Upper

56 100

55 93.9 54.5 81.7#



#14

Allyl chloride

Concen: 0.276 ug/l

RT: 5.265 min Scan# 563

Delta R.T. 0.247 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

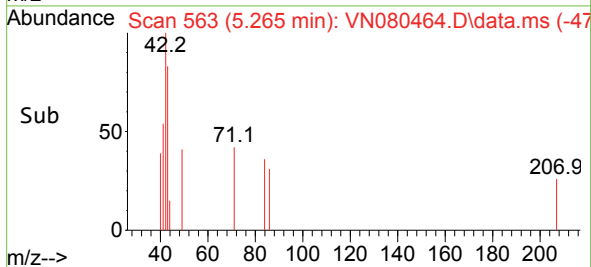
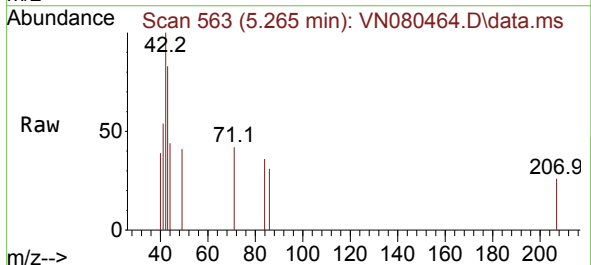
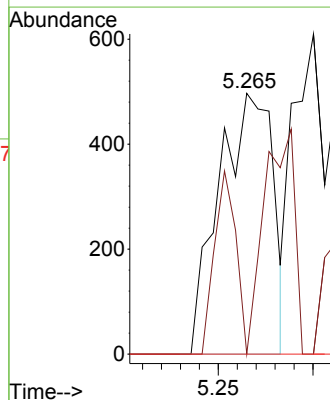
Tgt Ion: 41 Resp: 988

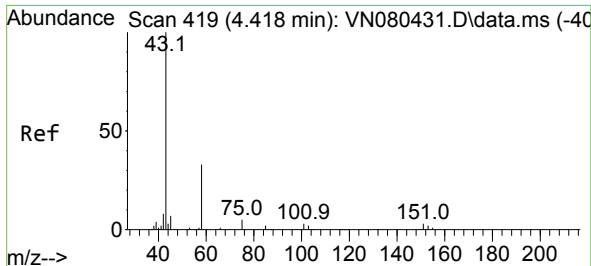
Ion Ratio Lower Upper

41 100

39 27.7 58.8 88.2#

76 0.0 39.1 58.7#

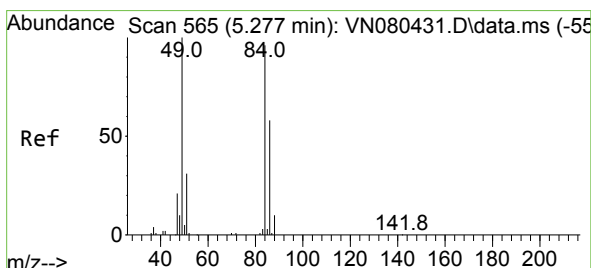
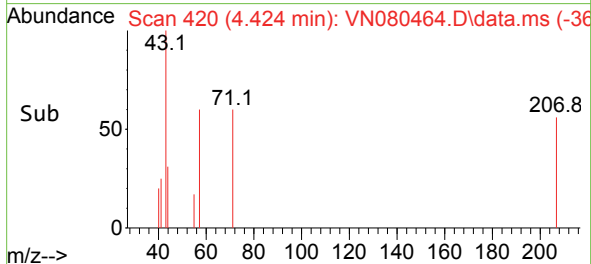
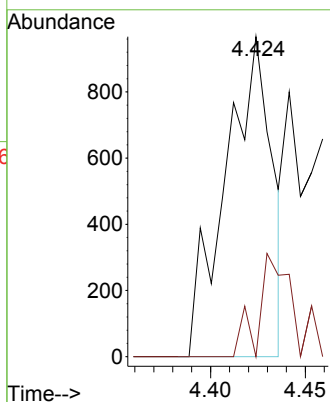
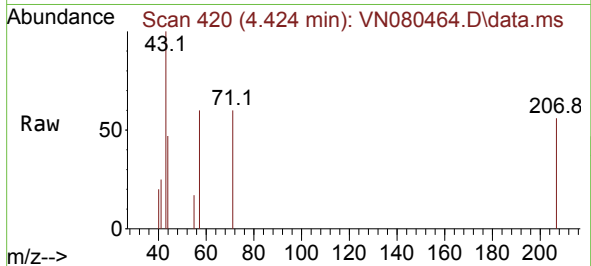




#16
Acetone
Concen: 2.699 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080464.D
Acq: 13 Dec 2023 16:05

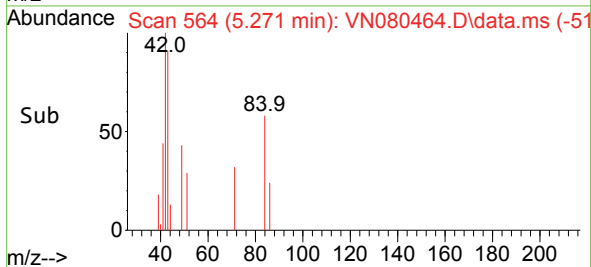
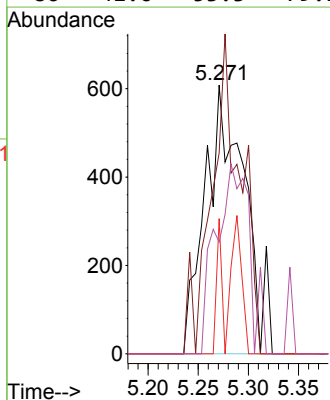
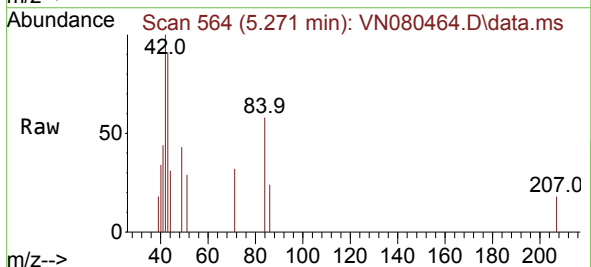
Instrument :
MSVOA_N
ClientSampleId :

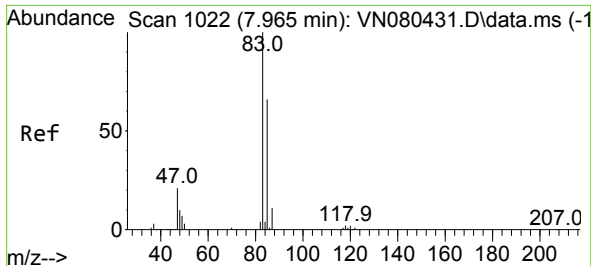
Tgt Ion: 43 Resp: 1647
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#20
Methylene Chloride
Concen: 0.510 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN080464.D
Acq: 13 Dec 2023 16:05

Tgt Ion: 84 Resp: 1664
Ion Ratio Lower Upper
84 100
49 74.8 79.7 119.5#
51 50.3 25.2 37.8#
86 41.6 53.3 79.9#





#30

Chloroform

Concen: 0.563 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

Instrument :

MSVOA_N

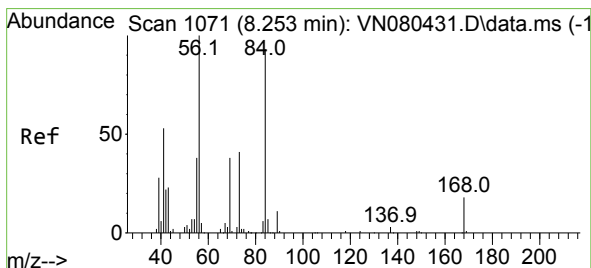
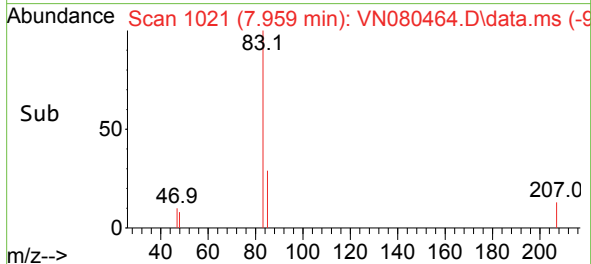
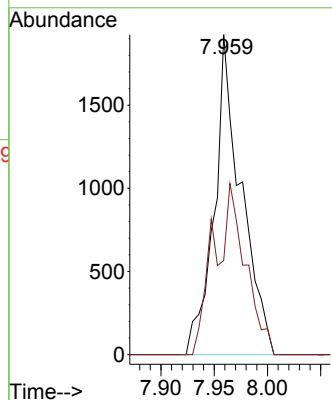
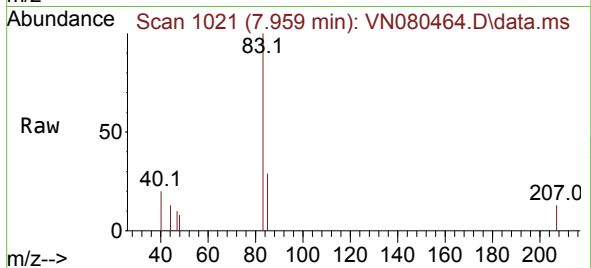
ClientSampleId :

Tgt Ion: 83 Resp: 3375

Ion Ratio Lower Upper

83 100

85 29.4 55.4 83.0#



#31

Cyclohexane

Concen: 1.441 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.023 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

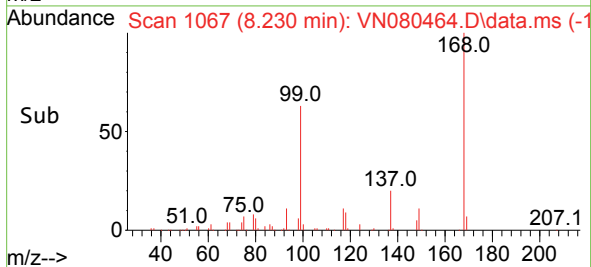
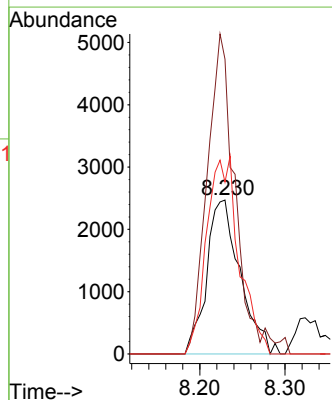
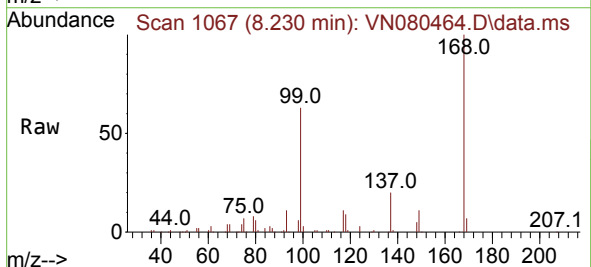
Tgt Ion: 56 Resp: 6746

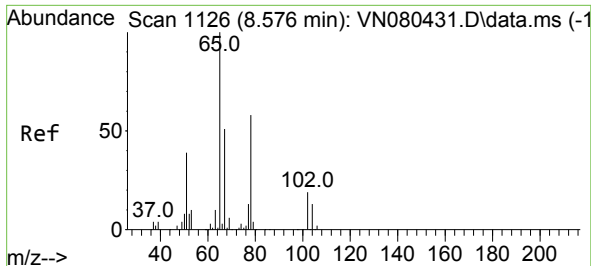
Ion Ratio Lower Upper

56 100

69 191.3 26.8 40.2#

84 111.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 47.384 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

Instrument :

MSVOA_N

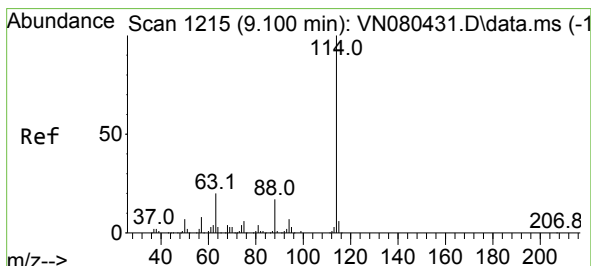
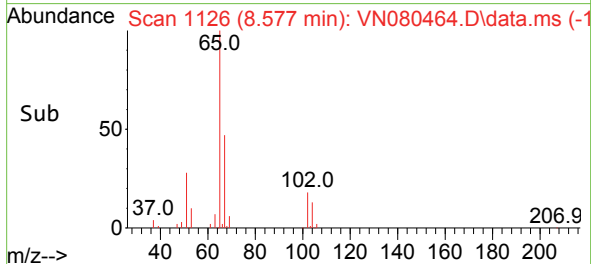
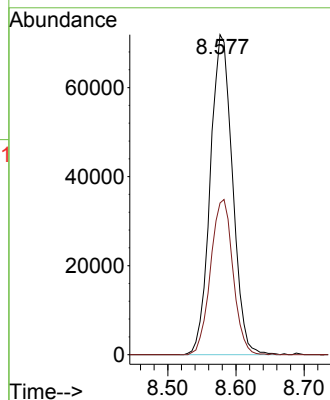
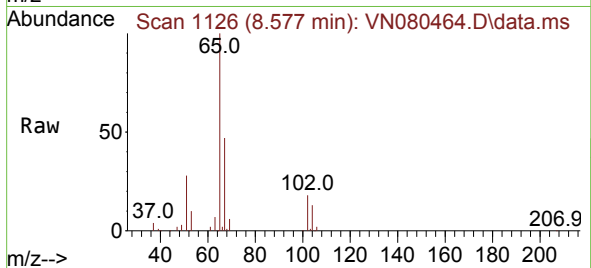
ClientSampleId :

Tgt Ion: 65 Resp: 163063

Ion Ratio Lower Upper

65 100

67 48.9 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: VN080464.D

Acq: 13 Dec 2023 16:05

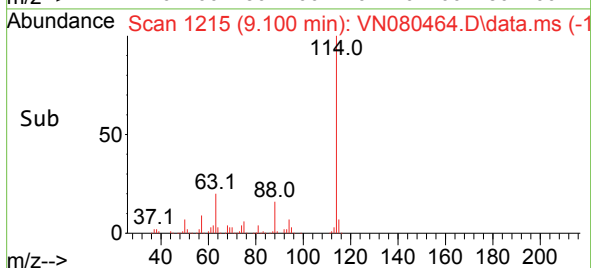
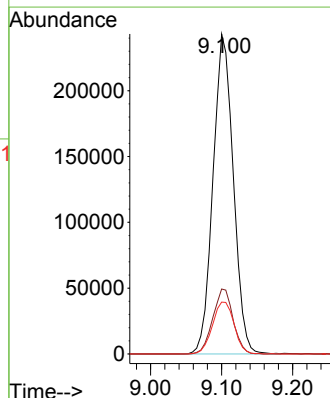
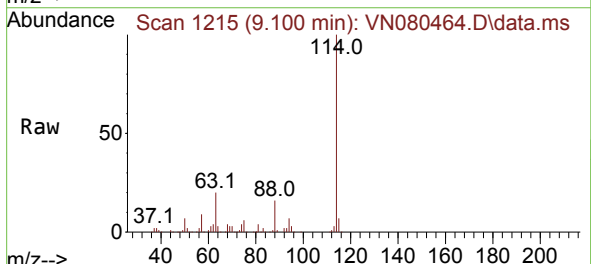
Tgt Ion: 114 Resp: 482068

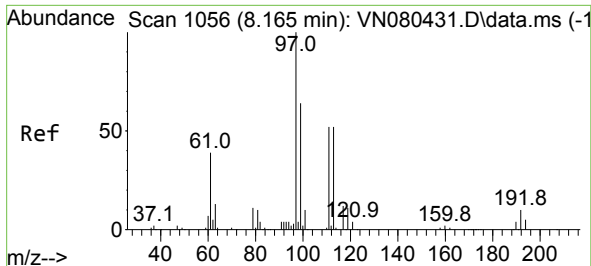
Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.4

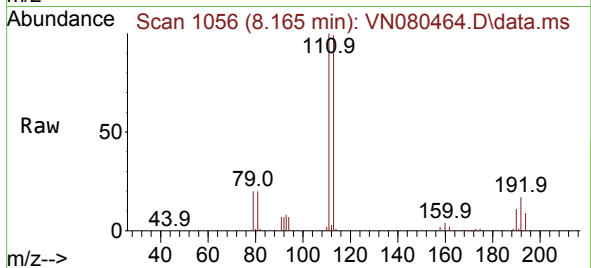
88 16.2 0.0 30.6



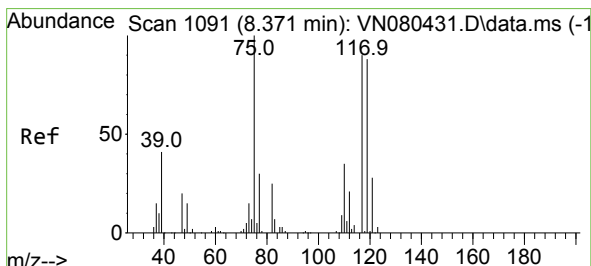
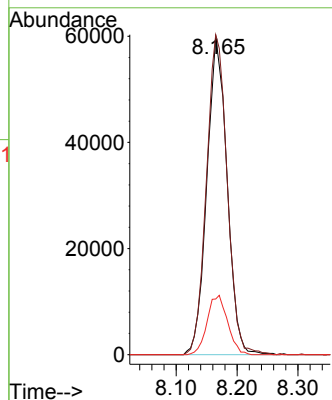
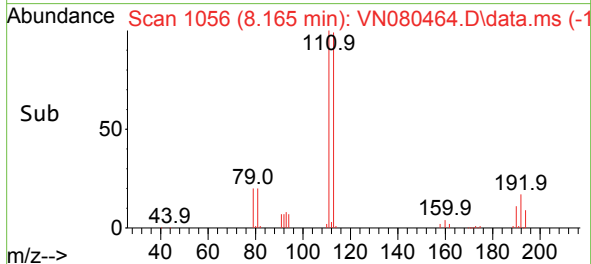


#35
Dibromofluoromethane
Concen: 45.192 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080464.D
Acq: 13 Dec 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :

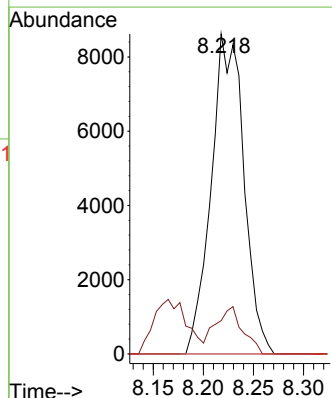
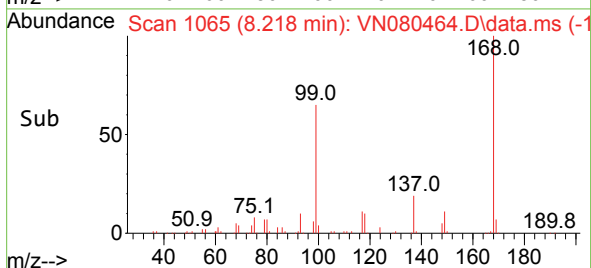
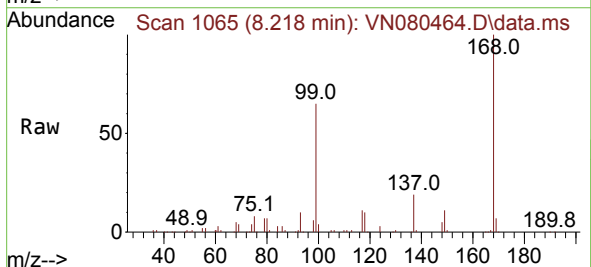


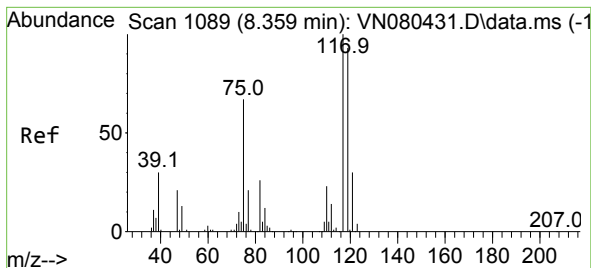
Tgt Ion:113 Resp: 138128
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 19.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.907 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN080464.D
Acq: 13 Dec 2023 16:05

Tgt Ion: 75 Resp: 19526
Ion Ratio Lower Upper
75 100
110 12.3 19.1 57.3#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 4.925 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

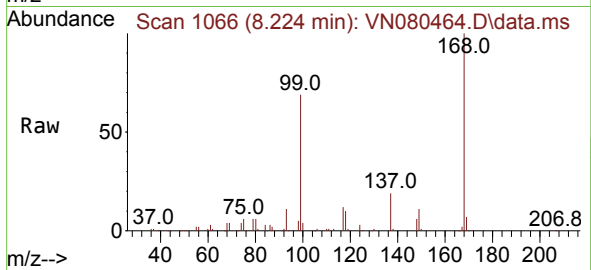
Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :



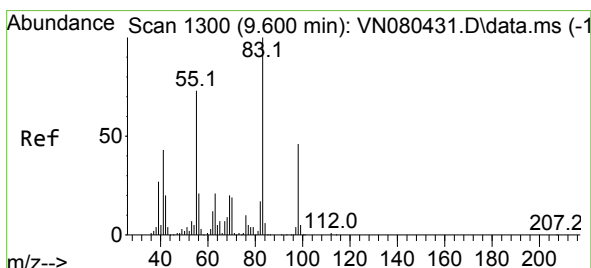
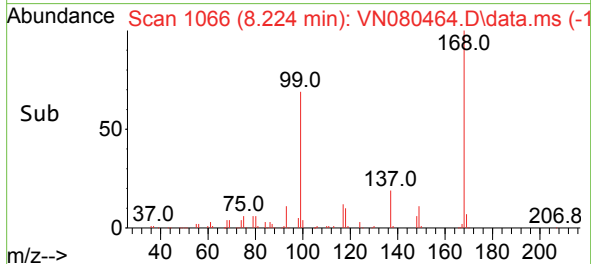
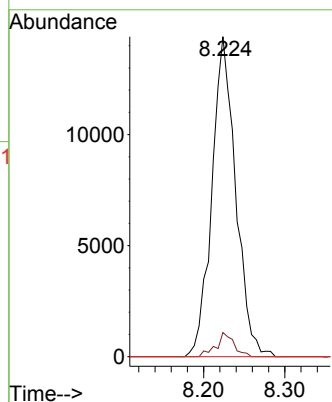
Tgt Ion:117 Resp: 29412

Ion Ratio Lower Upper

117 100

119 7.5 77.3 115.9#

121 0.0 23.3 34.9#



#39

Methylcyclohexane

Concen: 0.624 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. 0.012 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

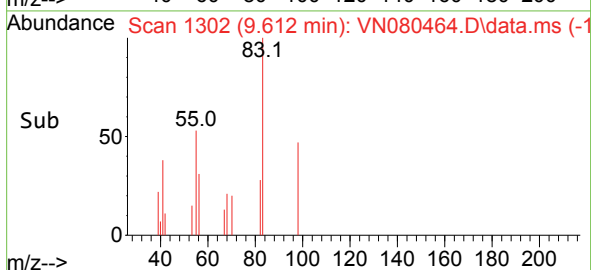
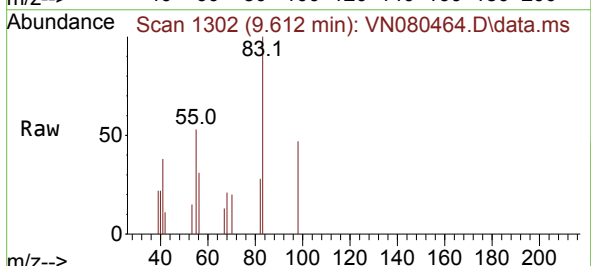
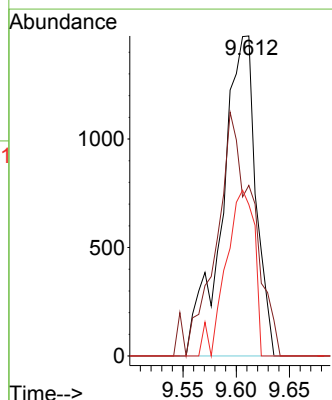
Tgt Ion: 83 Resp: 3242

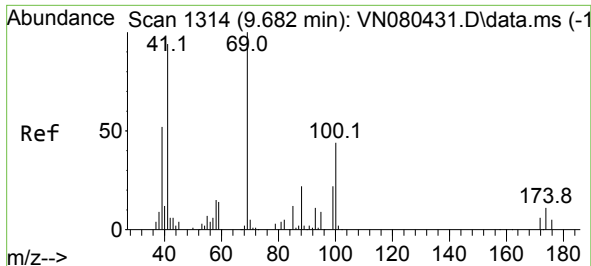
Ion Ratio Lower Upper

83 100

55 53.3 49.1 73.7

98 47.3 40.6 61.0





#48

Methyl methacrylate

Concen: 0.452 ug/l

RT: 9.606 min Scan# 1

Delta R.T. -0.076 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

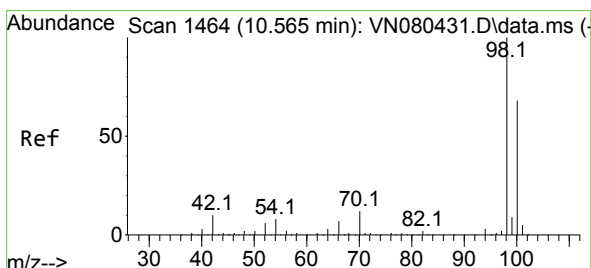
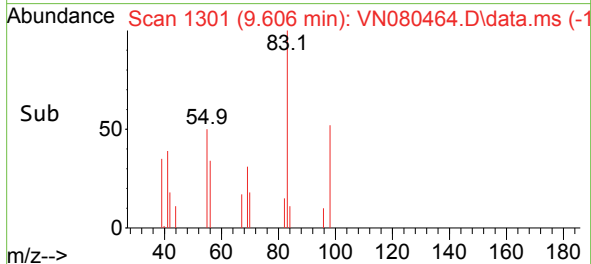
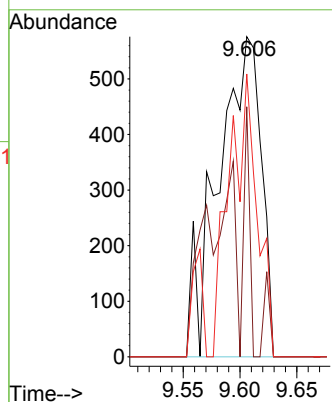
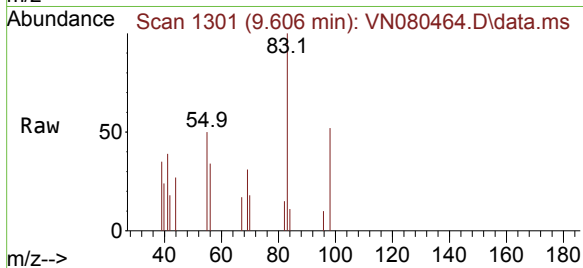
Tgt Ion: 41 Resp: 1519

Ion Ratio Lower Upper

41 100

69 19.8 90.4 135.6#

39 57.4 54.6 81.8



#50

Toluene-d8

Concen: 43.449 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080464.D

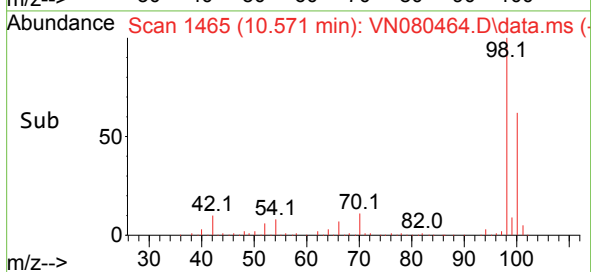
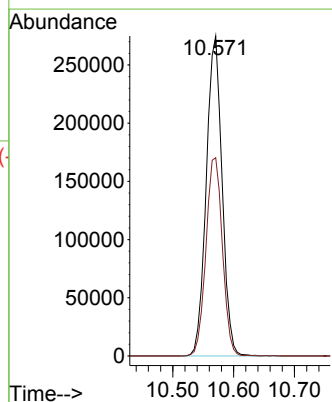
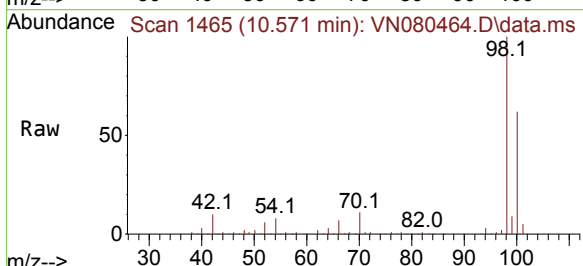
Acq: 13 Dec 2023 16:05

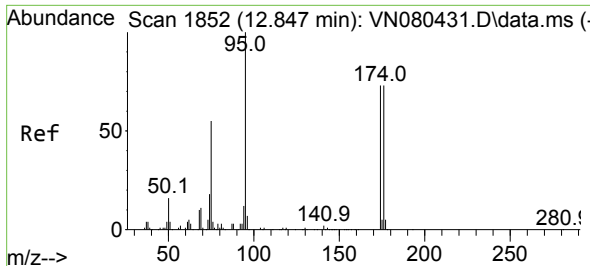
Tgt Ion: 98 Resp: 495278

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0

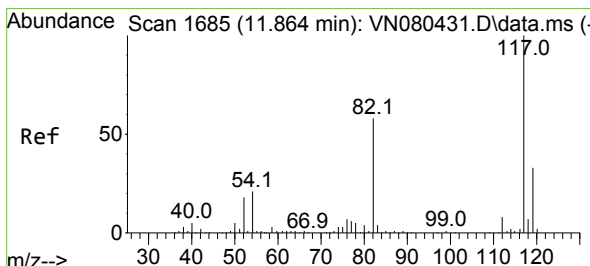
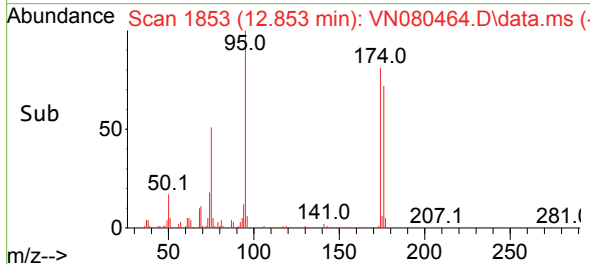
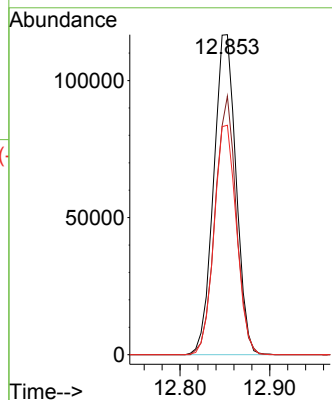
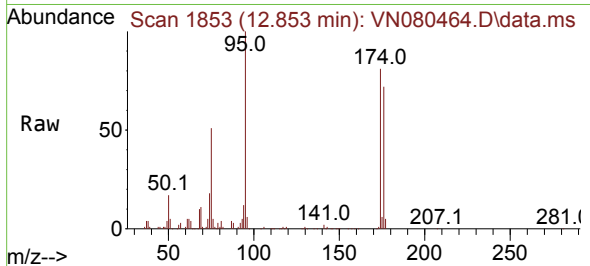




#62
4-Bromofluorobenzene
Concen: 46.816 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080464.D
Acq: 13 Dec 2023 16:05

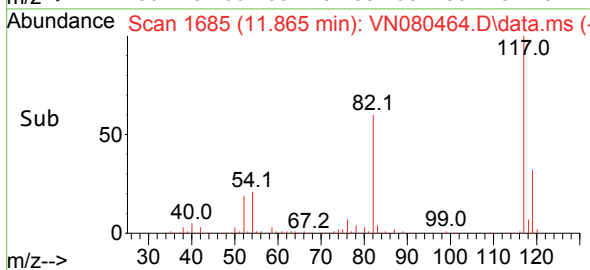
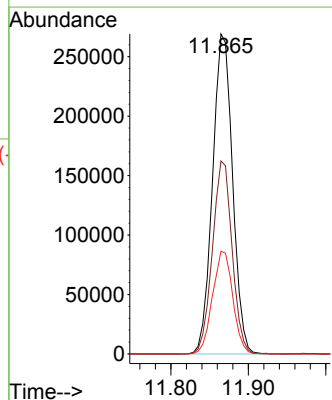
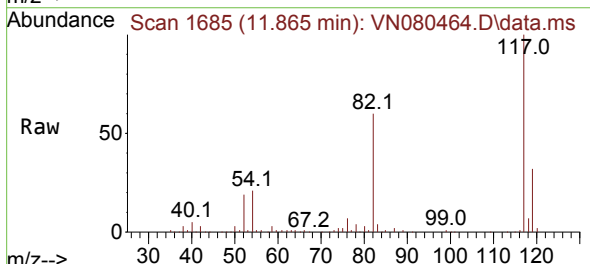
Instrument :
MSVOA_N
ClientSampleId :

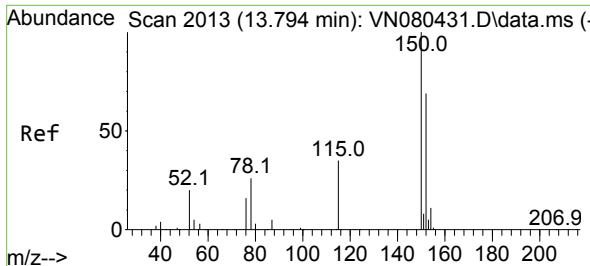
Tgt Ion: 95 Resp: 202648
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 71.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080464.D
Acq: 13 Dec 2023 16:05

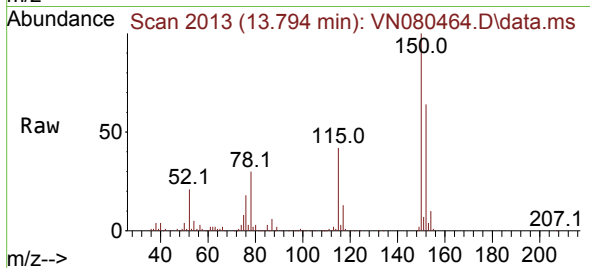
Tgt Ion: 117 Resp: 482275
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 32.1 25.6 38.4



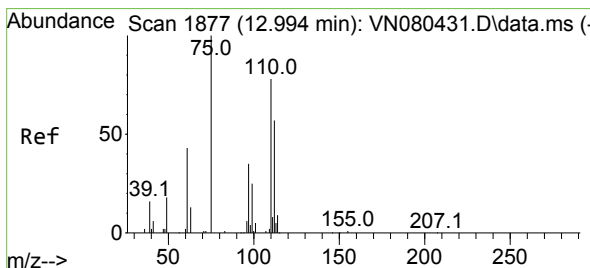
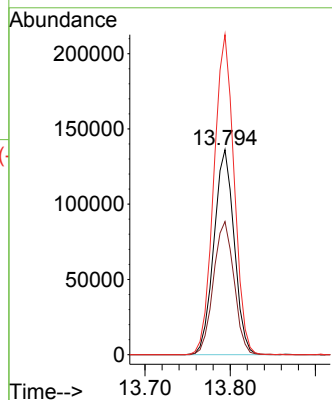
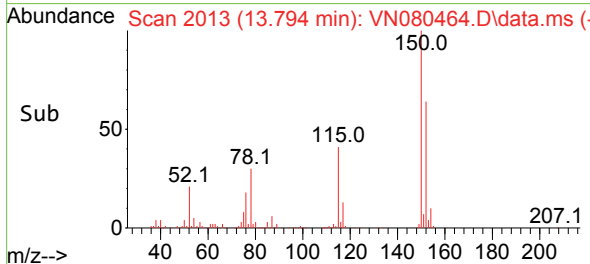


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080464.D
 Acq: 13 Dec 2023 16:05

Instrument :
 MSVOA_N
 ClientSampleId :

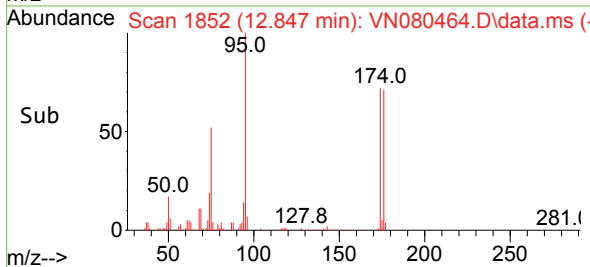
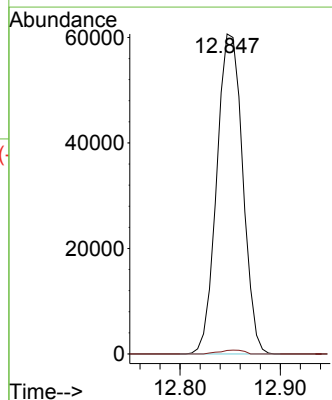
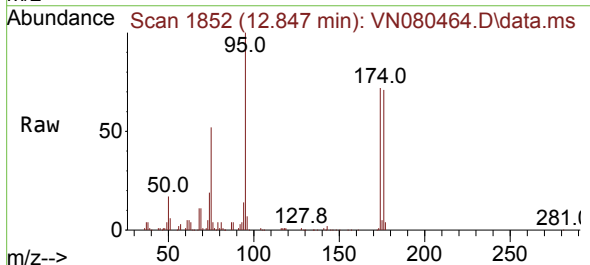


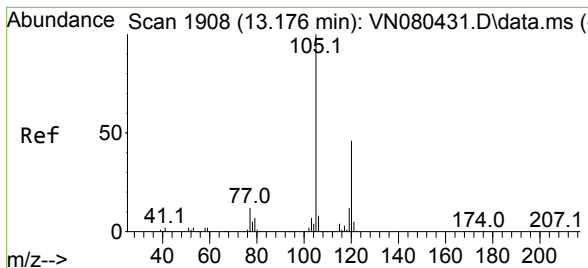
Tgt Ion:152 Resp: 225363
 Ion Ratio Lower Upper
 152 100
 115 65.7 32.3 96.8
 150 156.0 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 24.244 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN080464.D
 Acq: 13 Dec 2023 16:05

Tgt Ion: 75 Resp: 109001
 Ion Ratio Lower Upper
 75 100
 77 1.1 84.5 253.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.290 ug/l

RT: 13.135 min Scan# 1908

Delta R.T. -0.041 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

Instrument :

MSVOA_N

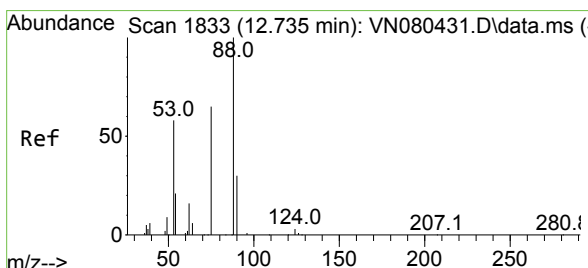
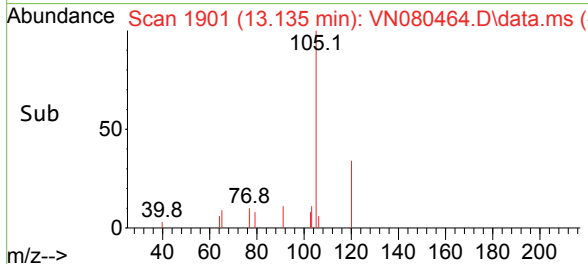
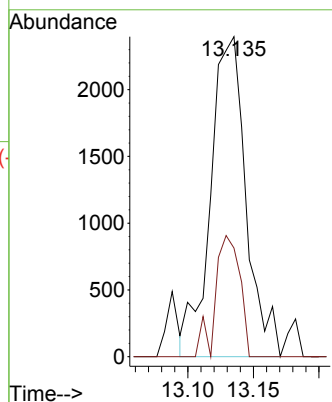
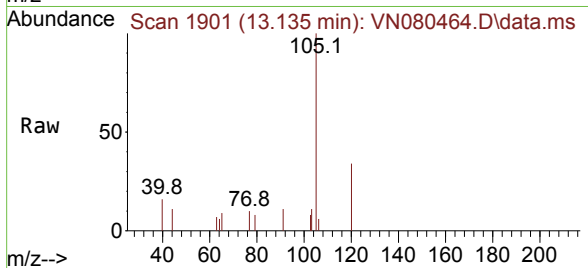
ClientSampleId :

Tgt Ion:105 Resp: 4519

Ion Ratio Lower Upper

105 100

120 26.0 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 63.656 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN080464.D

Acq: 13 Dec 2023 16:05

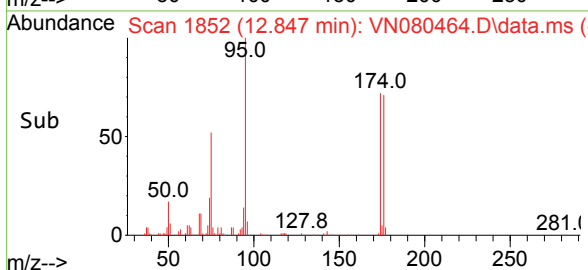
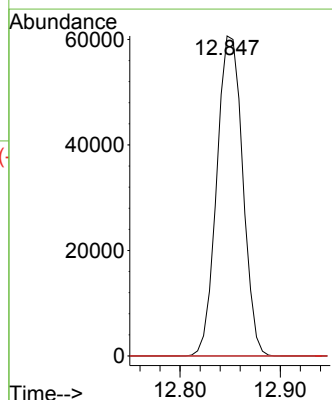
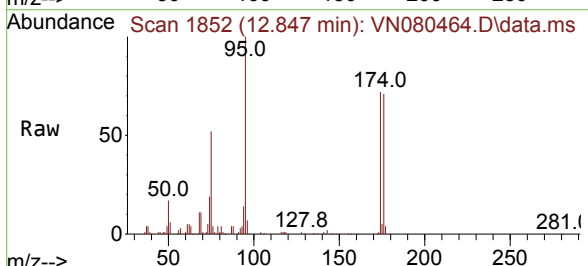
Tgt Ion: 75 Resp: 109001

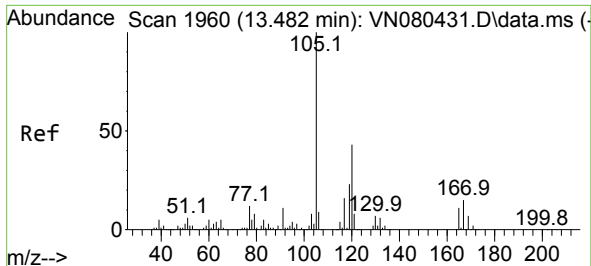
Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

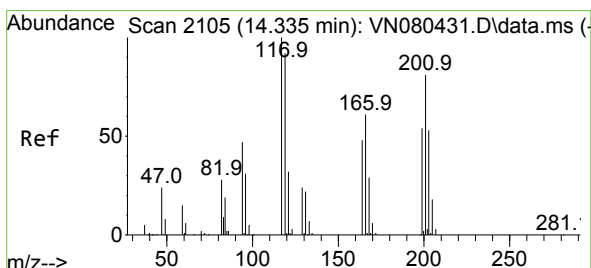
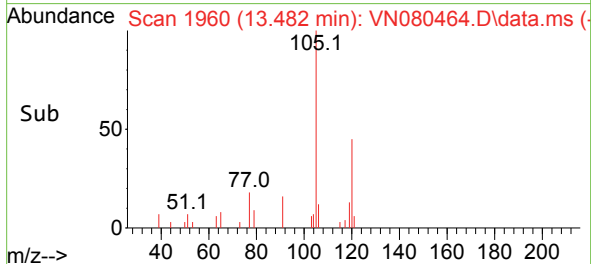
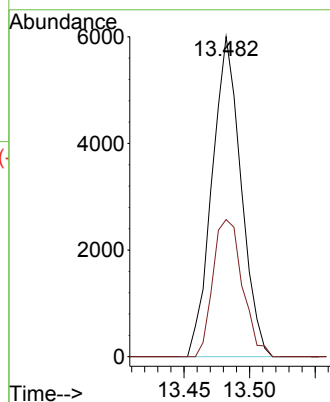
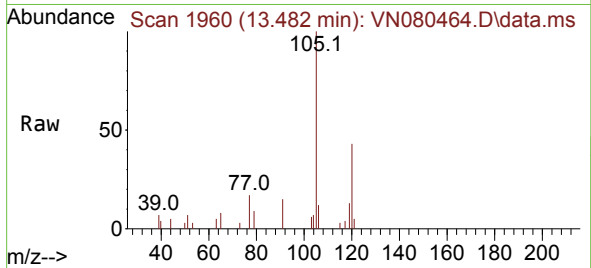




#84
 1,2,4-Trimethylbenzene
 Concen: 0.595 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080464.D
 Acq: 13 Dec 2023 16:05

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:105 Resp: 9232
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.0 66.0



#90
 Hexachloroethane
 Concen: 0.260 ug/l
 RT: 14.335 min Scan# 2105
 Delta R.T. 0.000 min
 Lab File: VN080464.D
 Acq: 13 Dec 2023 16:05

Tgt Ion:117 Resp: 609
 Ion Ratio Lower Upper
 117 100
 201 0.0 29.3 88.0#

