

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080417.D
 Acq On : 08 Dec 2023 19:32
 Operator : JC\MD
 Sample : PB157593TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:45:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

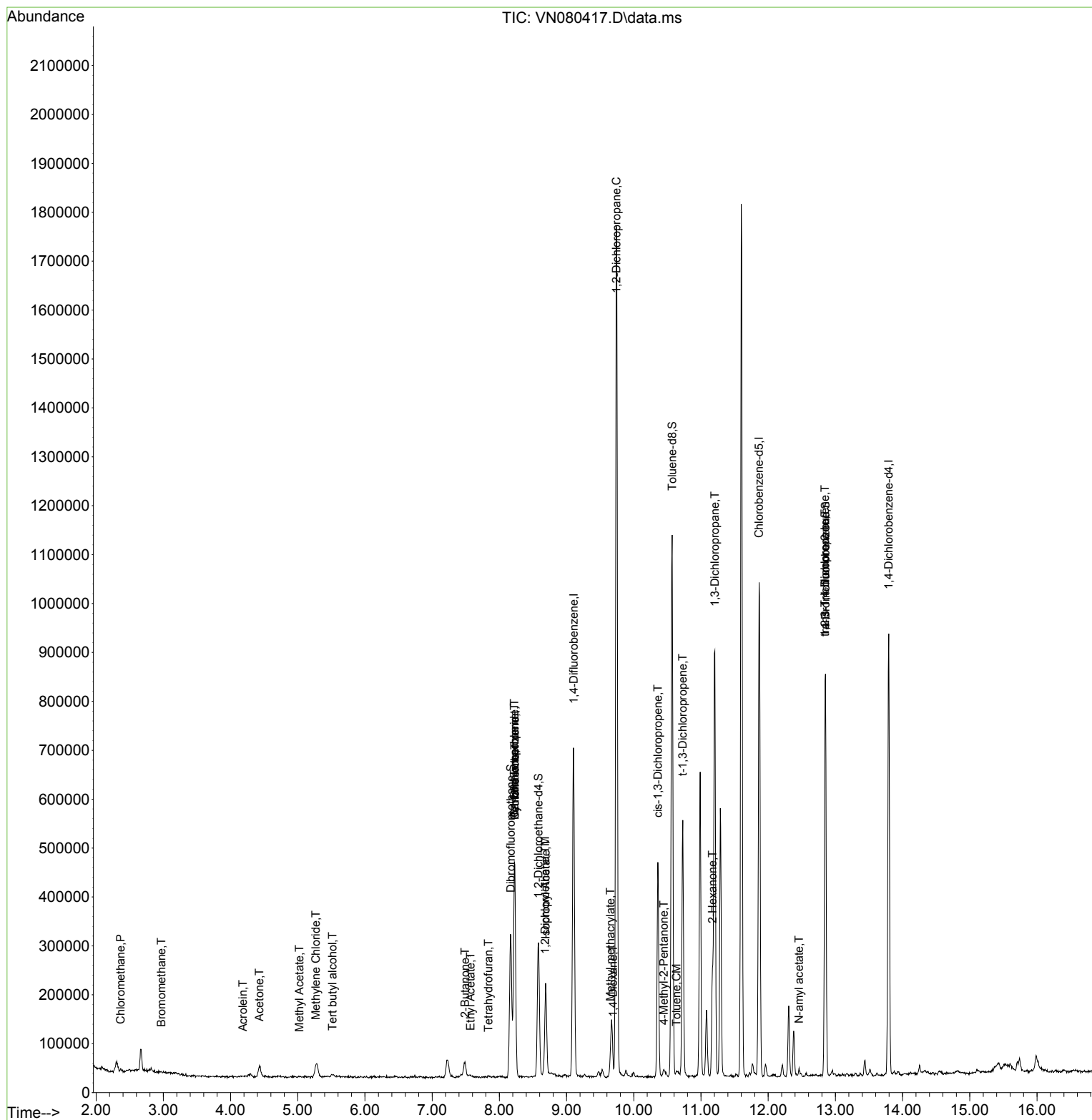
Internal Standards						
1) Pentafluorobenzene	8.230	168	317569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	594344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	242995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	239435	45.663	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.320%
35) Dibromofluoromethane	8.171	113	208885	48.942	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.880%
50) Toluene-d8	10.571	98	771092	50.118	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.240%
62) 4-Bromofluorobenzene	12.853	95	301638	51.905	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	5064	1.424	ug/l	92
5) Bromomethane	2.971	94	612	0.240	ug/l	98
6) Chloroethane	3.148	64	855	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	9805	17.004	ug/l	97
13) Acrolein	4.183	56	2218	4.346	ug/l	# 15
16) Acetone	4.430	43	38603	21.919	ug/l	98
18) Methyl Acetate	5.024	43	2006	0.354	ug/l	# 74
20) Methylene Chloride	5.271	84	24590	6.667	ug/l	# 89
25) 2-Butanone	7.488	43	48833	23.337	ug/l	88
29) Tetrahydrofuran	7.835	42	783	0.697	ug/l	# 64
31) Cyclohexane	8.230	56	6610	1.159	ug/l	# 31
36) 1,1-Dichloropropene	8.224	75	24599	3.981	ug/l	# 48
37) Ethyl Acetate	7.571	43	6235	1.455	ug/l	# 95
38) Carbon Tetrachloride	8.224	117	34596	4.412	ug/l	# 15
42) 1,2-Dichloroethane	8.682	62	1794	0.250	ug/l	# 73
43) Isopropyl Acetate	8.688	43	207506	24.878	ug/l	# 87
45) 1,2-Dichloropropane	9.741	63	2288	0.561	ug/l	# 45
48) Methyl methacrylate	9.653	41	9831	2.287	ug/l	# 31
49) 1,4-Dioxane	9.694	88	1224	17.117	ug/l	# 30
51) 4-Methyl-2-Pentanone	10.447	43	16592	3.842	ug/l	# 70
52) Toluene	10.635	92	3054	0.278	ug/l	97
53) t-1,3-Dichloropropene	10.729	75	1698	0.243	ug/l	# 43
54) cis-1,3-Dichloropropene	10.359	75	84533	11.850	ug/l	# 60
57) 1,3-Dichloropropane	11.206	76	9672	1.321	ug/l	# 42
59) 2-Hexanone	11.171	43	169800	48.935	ug/l	# 19
74) N-amyl acetate	12.459	43	9215	1.565	ug/l	# 42
76) 1,2,3-Trichloropropane	12.847	75	158388	26.603	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	158388	89.880	ug/l	# 15

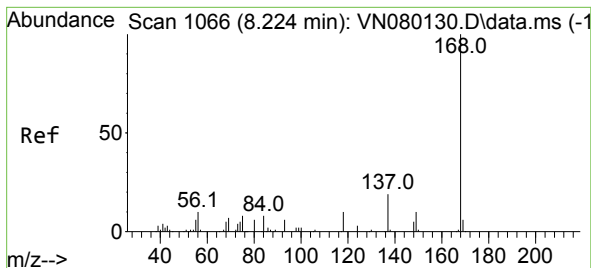
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

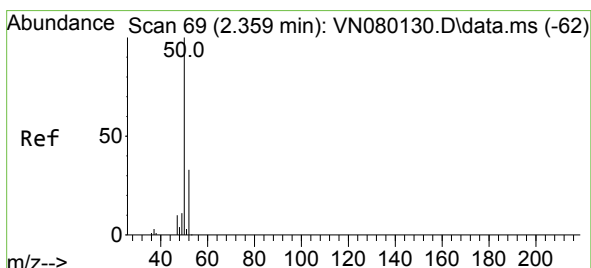
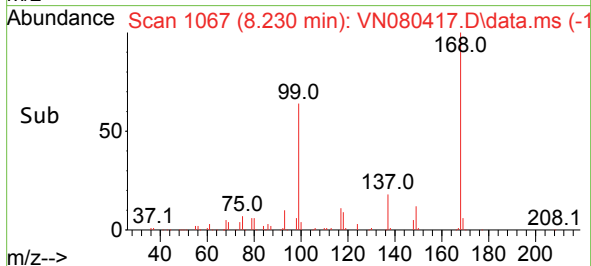
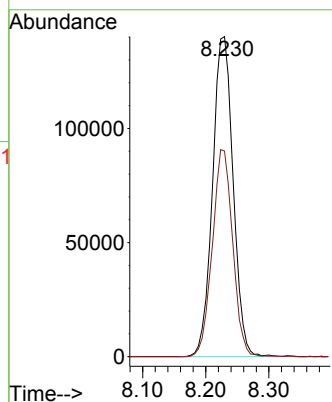
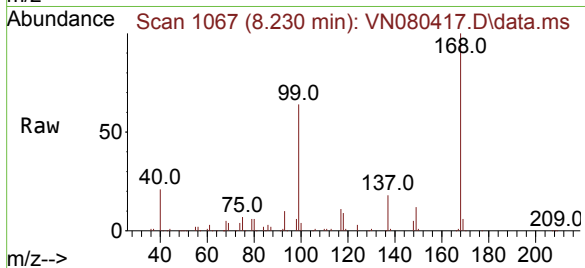
ClientSampleId :

Tgt Ion:168 Resp: 317569

Ion Ratio Lower Upper

168 100

99 64.2 53.0 79.6



#3

Chloromethane

Concen: 1.424 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080417.D

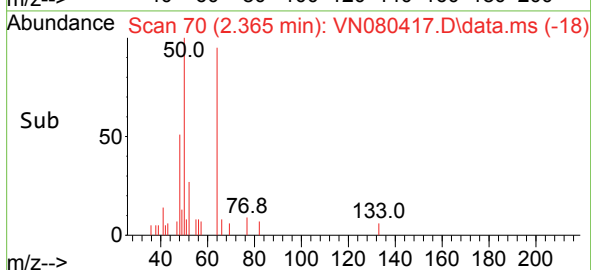
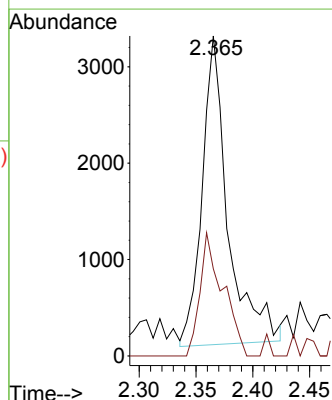
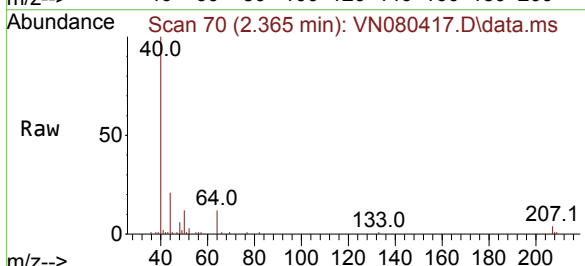
Acq: 08 Dec 2023 19:32

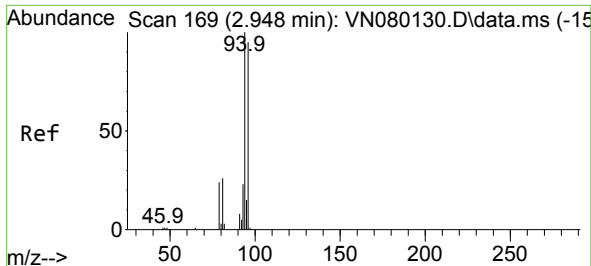
Tgt Ion: 50 Resp: 5064

Ion Ratio Lower Upper

50 100

52 28.6 26.5 39.7

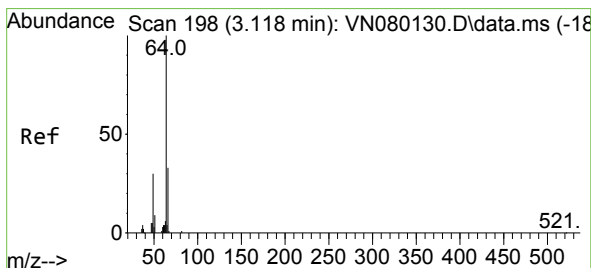
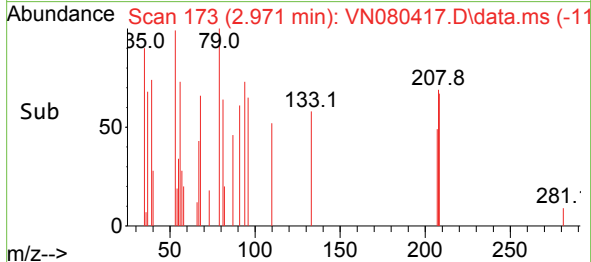
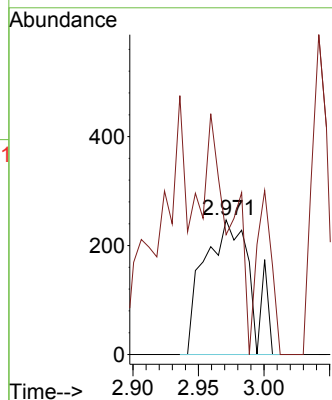
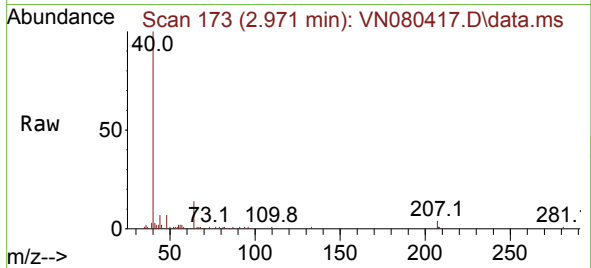




#5
Bromomethane
Concen: 0.240 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

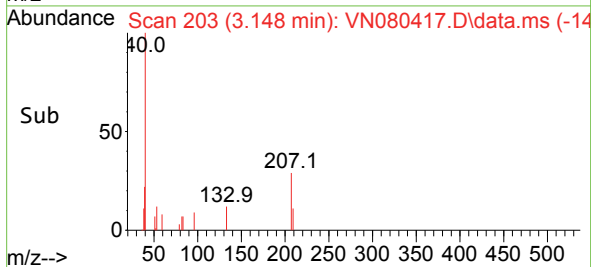
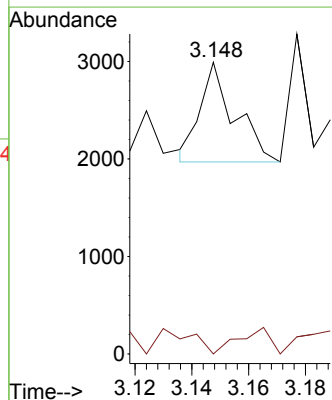
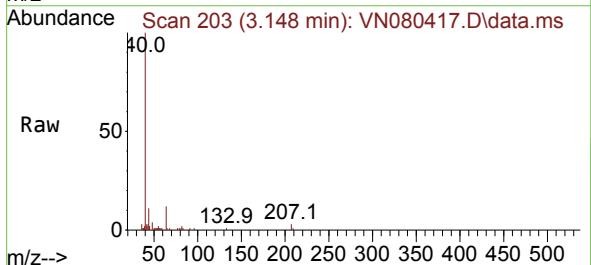
Instrument :
MSVOA_N
ClientSampleId :

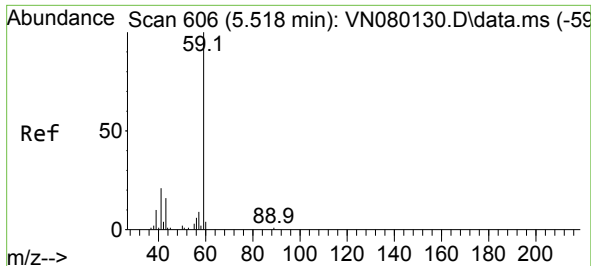
Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 89.1 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.148 min Scan# 203
Delta R.T. 0.030 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Tgt Ion: 64 Resp: 855
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

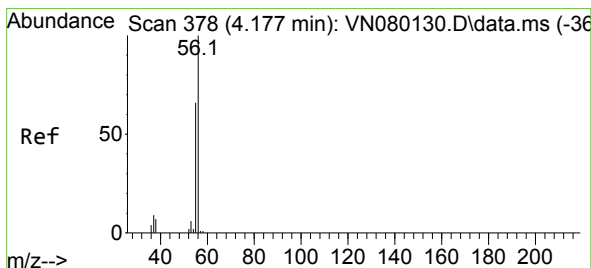
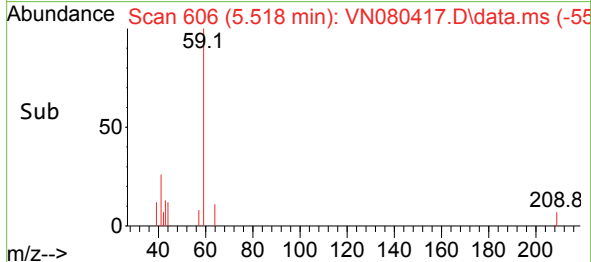
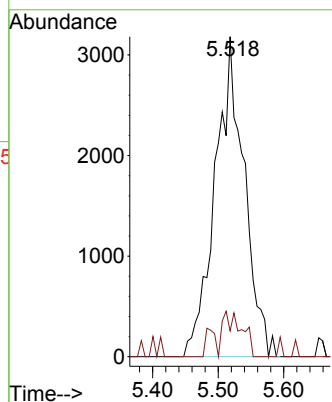
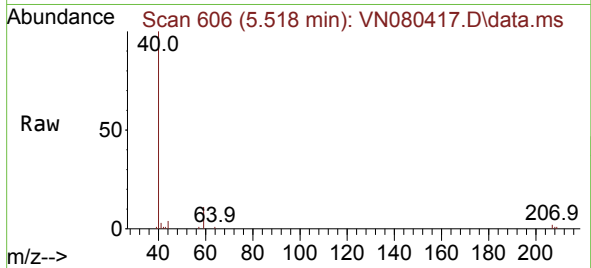




#11
Tert butyl alcohol
Concen: 17.004 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

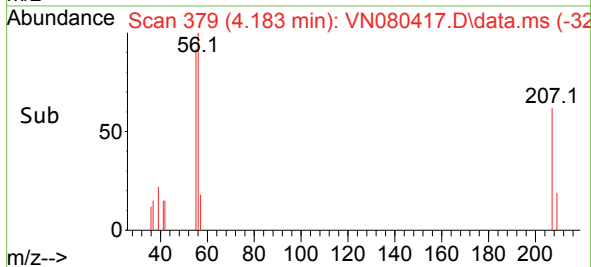
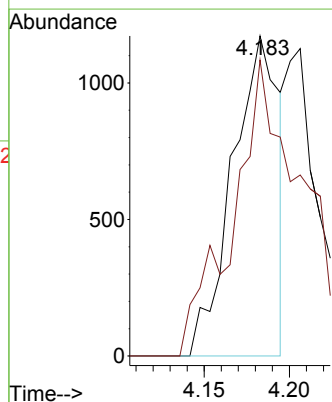
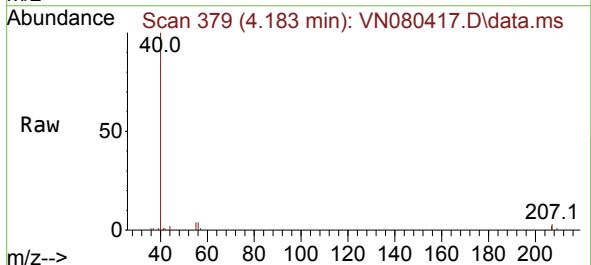
Instrument :
MSVOA_N
ClientSampleId :

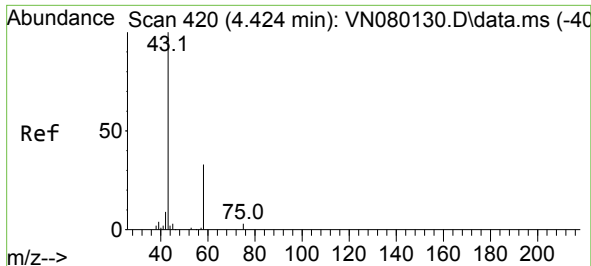
Tgt Ion: 59 Resp: 9805
Ion Ratio Lower Upper
59 100
57 9.2 8.2 12.4



#13
Acrolein
Concen: 4.346 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Tgt Ion: 56 Resp: 2218
Ion Ratio Lower Upper
56 100
55 136.6 54.5 81.7#

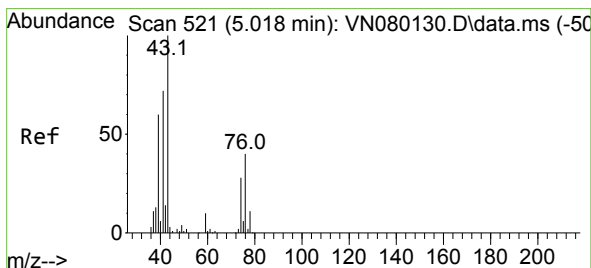
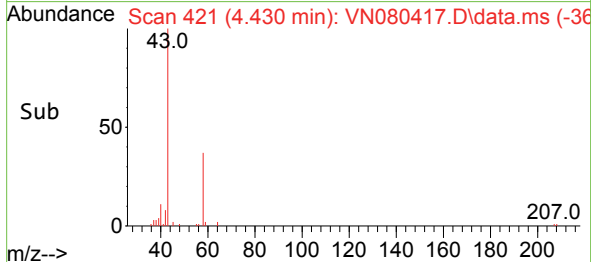
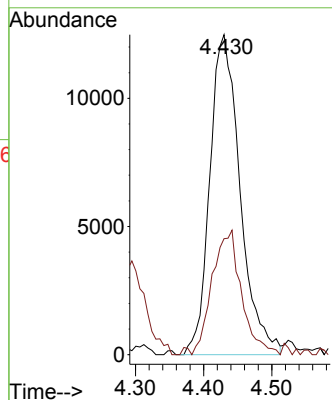
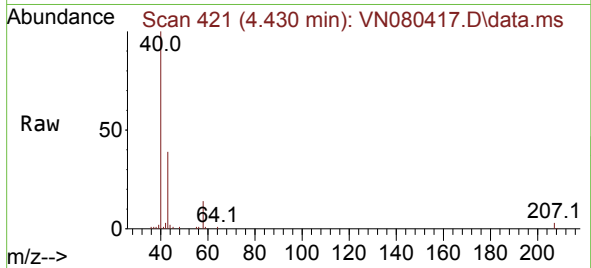




#16
Acetone
Concen: 21.919 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

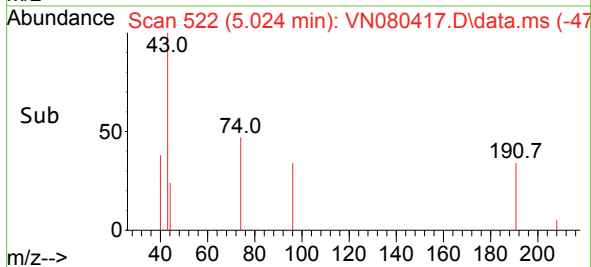
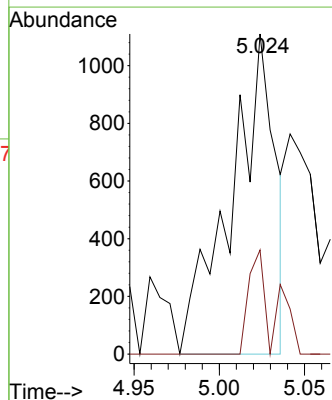
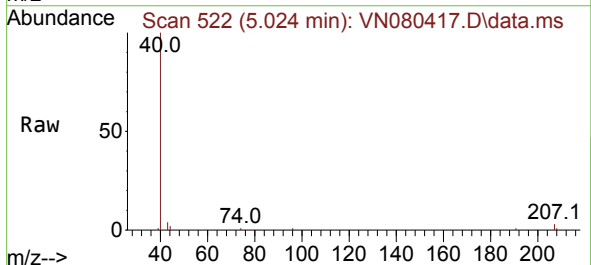
Instrument :
MSVOA_N
ClientSampleId :

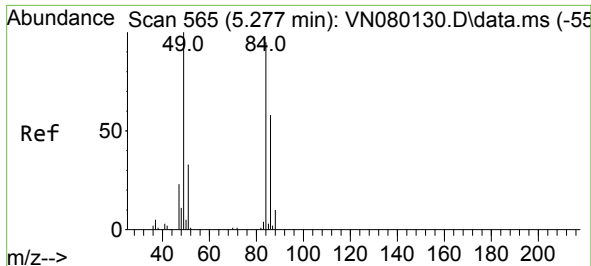
Tgt Ion: 43 Resp: 38603
Ion Ratio Lower Upper
43 100
58 36.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.354 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

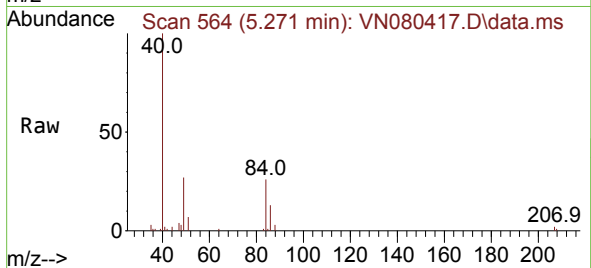
Tgt Ion: 43 Resp: 2006
Ion Ratio Lower Upper
43 100
74 18.2 26.2 39.4#



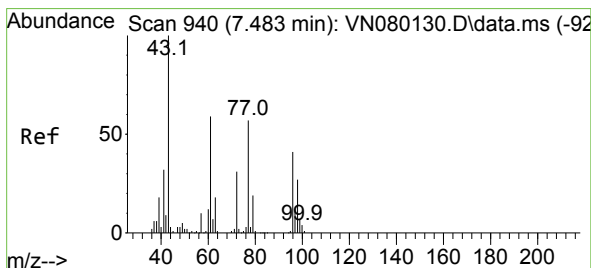
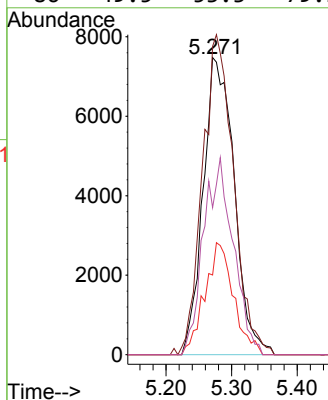
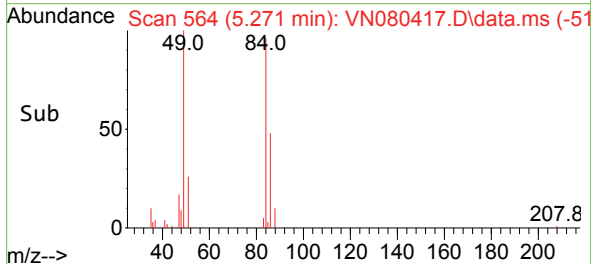


#20
Methylene Chloride
Concen: 6.667 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

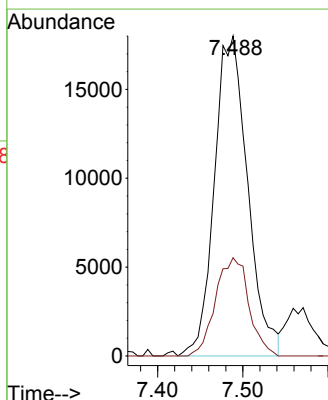
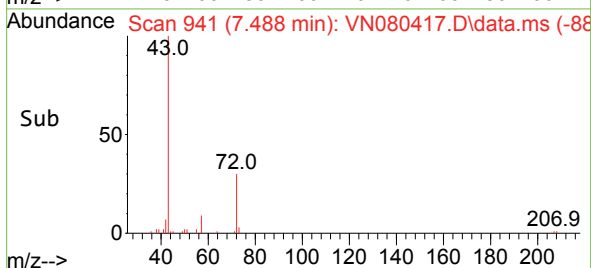
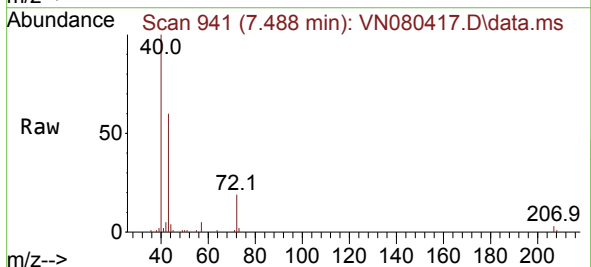


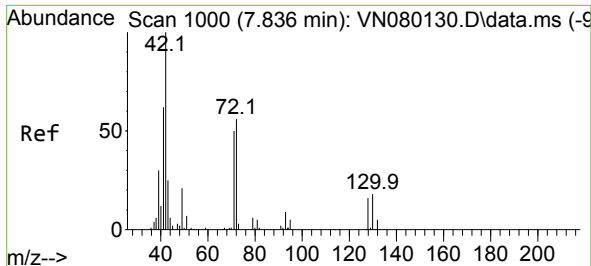
Tgt Ion: 84 Resp: 24590
Ion Ratio Lower Upper
84 100
49 103.8 79.7 119.5
51 26.8 25.2 37.8
86 49.5 53.3 79.9#



#25
2-Butanone
Concen: 23.337 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Tgt Ion: 43 Resp: 48833
Ion Ratio Lower Upper
43 100
72 30.7 30.2 45.2





#29

Tetrahydrofuran

Concen: 0.697 ug/l

RT: 7.835 min Scan# 1067

Delta R.T. -0.000 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :

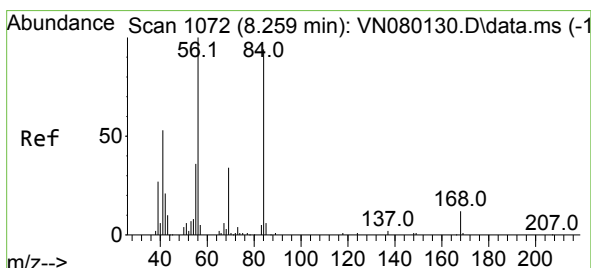
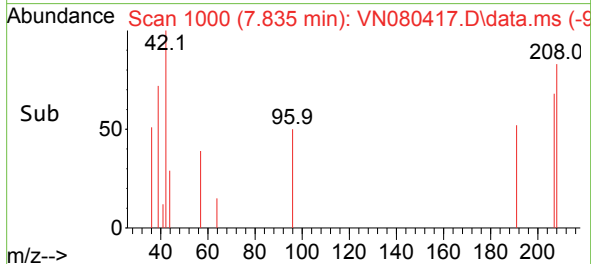
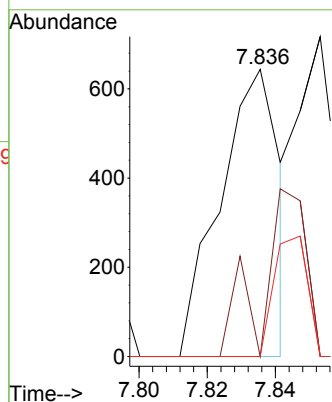
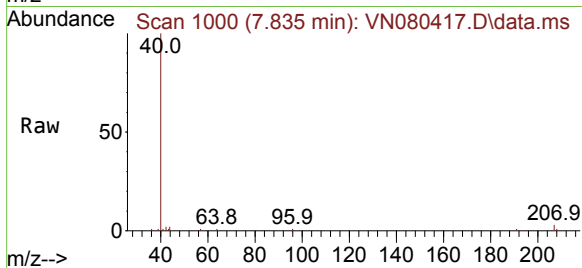
Tgt Ion: 42 Resp: 783

Ion Ratio Lower Upper

42 100

72 42.8 49.8 74.6#

71 23.5 47.4 71.2#



#31

Cyclohexane

Concen: 1.159 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.030 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

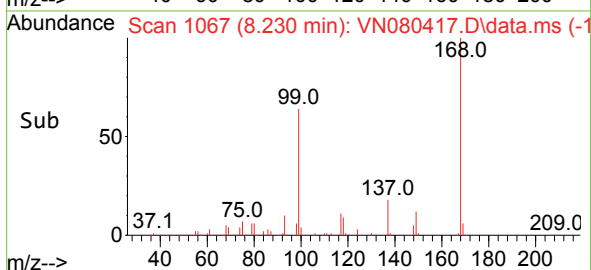
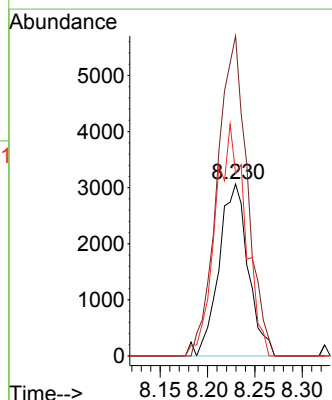
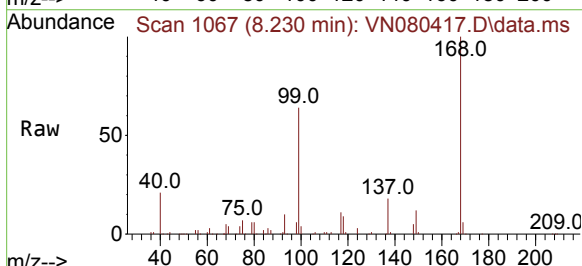
Tgt Ion: 56 Resp: 6610

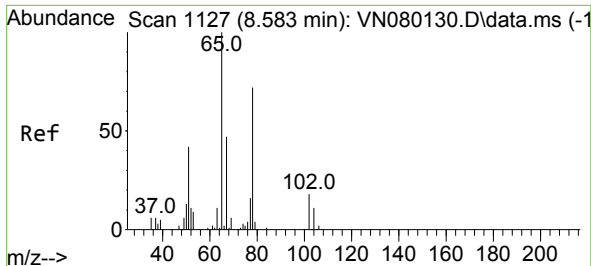
Ion Ratio Lower Upper

56 100

69 186.1 26.8 40.2#

84 106.3 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 45.663 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

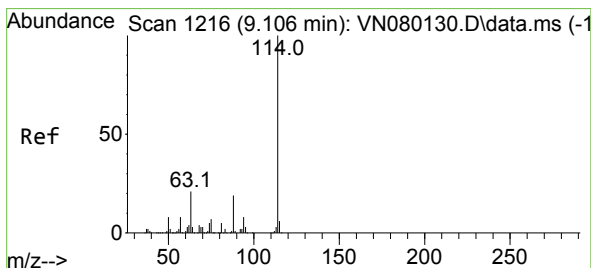
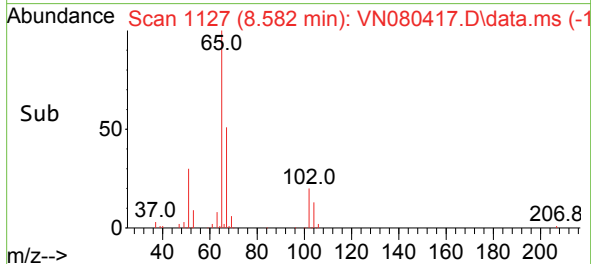
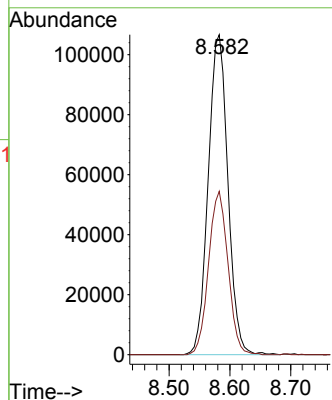
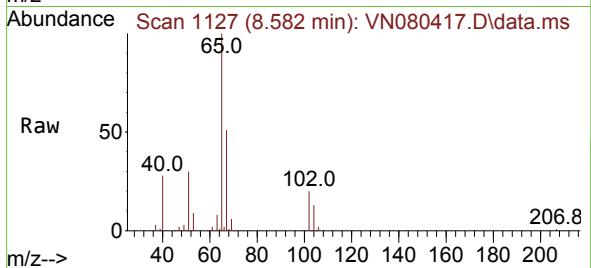
ClientSampleId :

Tgt Ion: 65 Resp: 239435

Ion Ratio Lower Upper

65 100

67 50.4 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

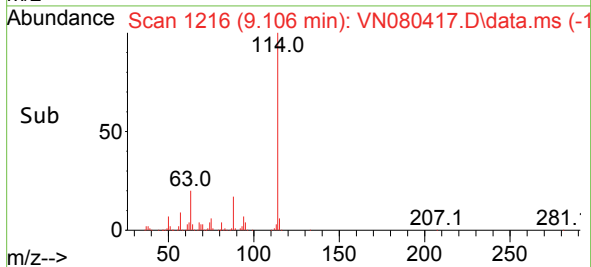
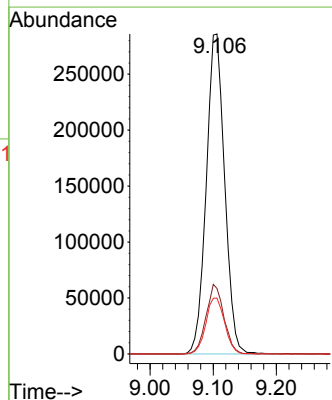
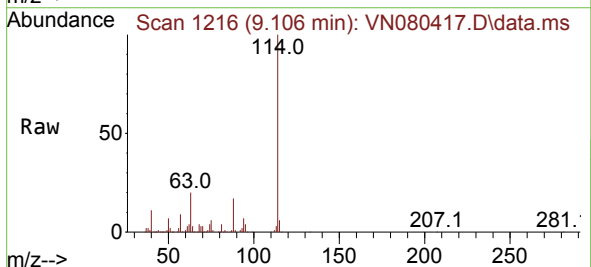
Tgt Ion:114 Resp: 578428

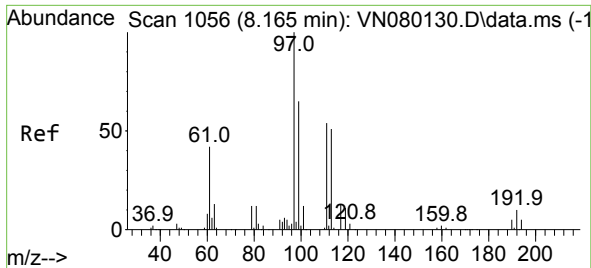
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.4

88 17.5 0.0 30.6

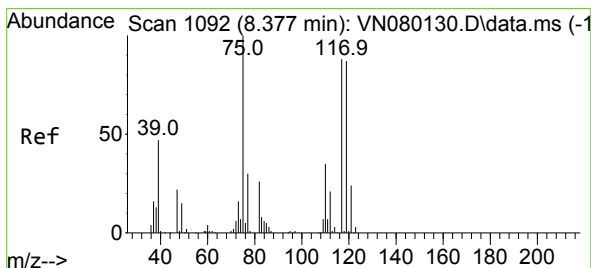
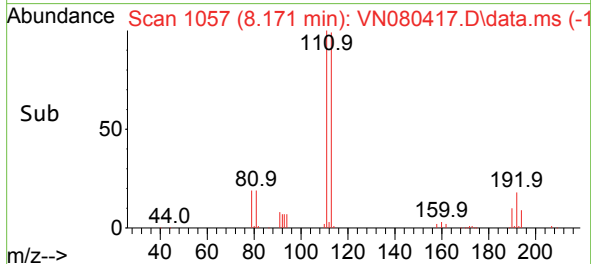
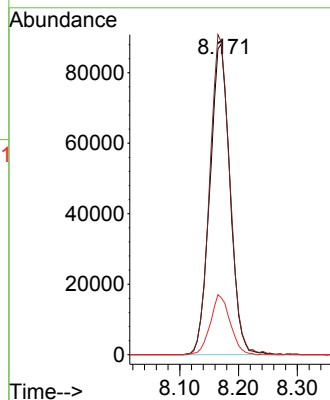
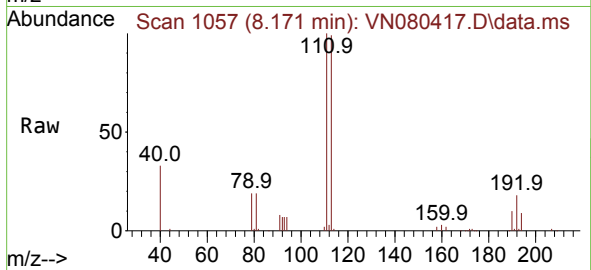




#35
Dibromofluoromethane
Concen: 48.942 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

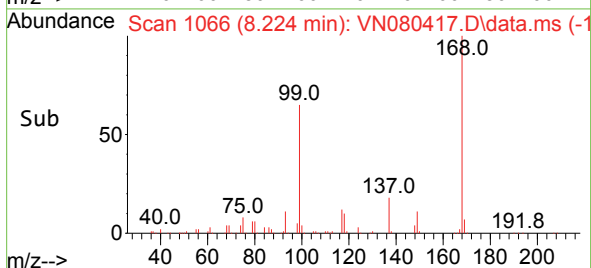
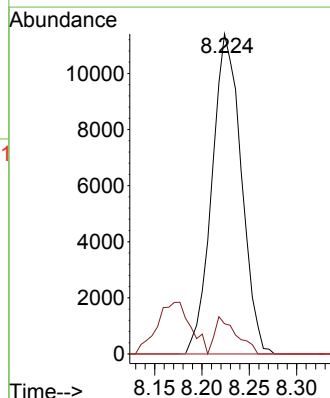
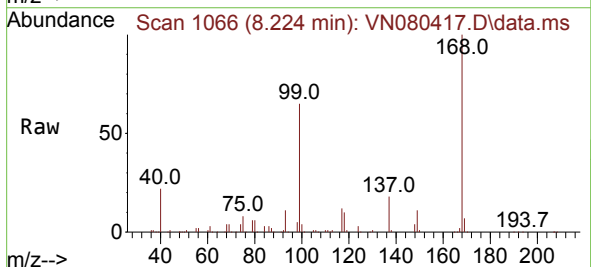
Instrument :
MSVOA_N
ClientSampleId :

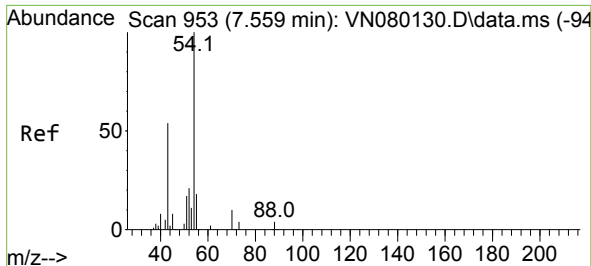
Tgt Ion:113 Resp: 208885
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 19.0 12.7 19.1



#36
1,1-Dichloropropene
Concen: 3.981 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Tgt Ion: 75 Resp: 24599
Ion Ratio Lower Upper
75 100
110 8.6 19.1 57.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.455 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

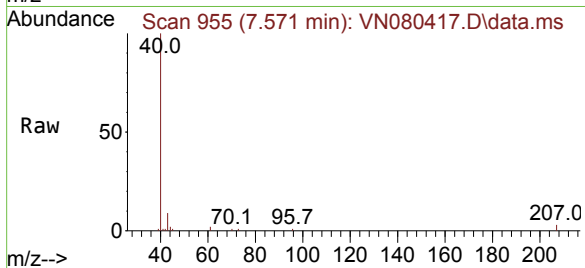
Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :



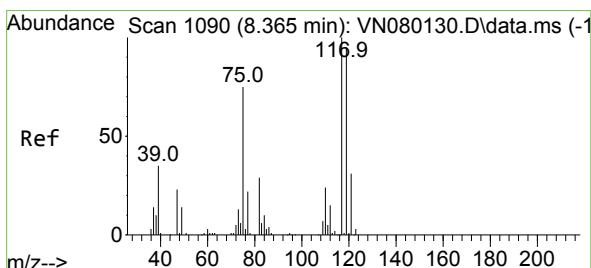
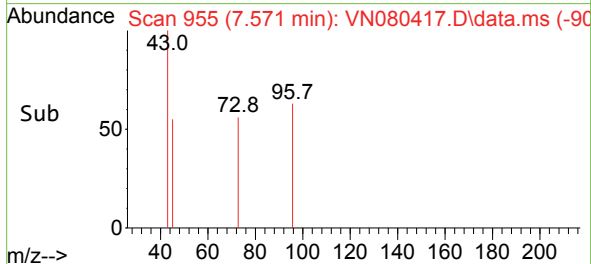
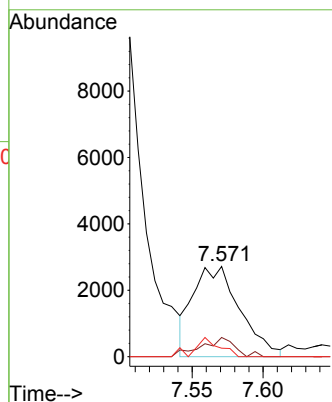
Tgt Ion: 43 Resp: 6235

Ion Ratio Lower Upper

43 100

61 15.3 13.2 19.8

70 11.2 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.412 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

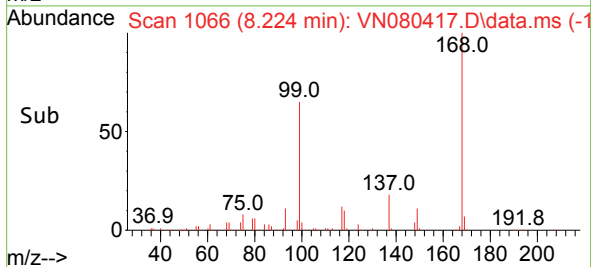
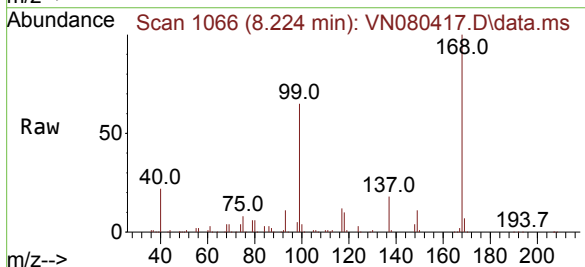
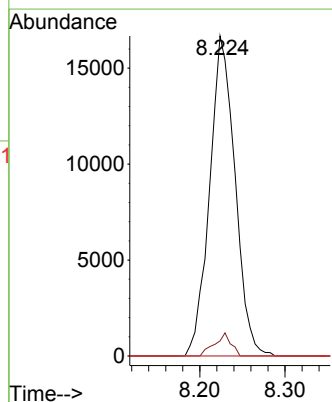
Tgt Ion: 117 Resp: 34596

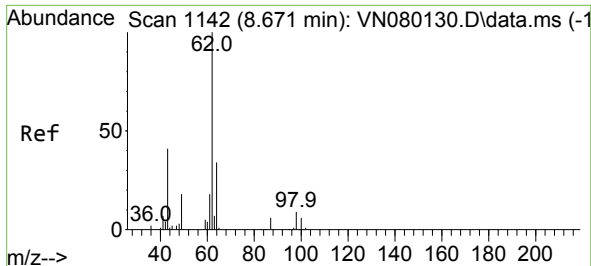
Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.250 ug/l

RT: 8.682 min Scan# 1142

Delta R.T. 0.012 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

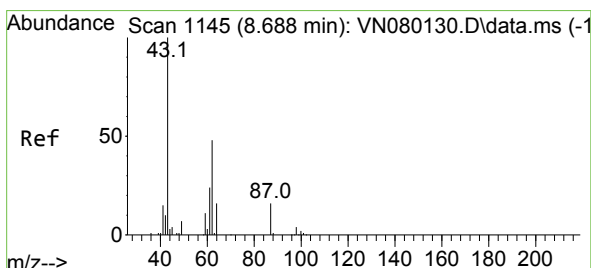
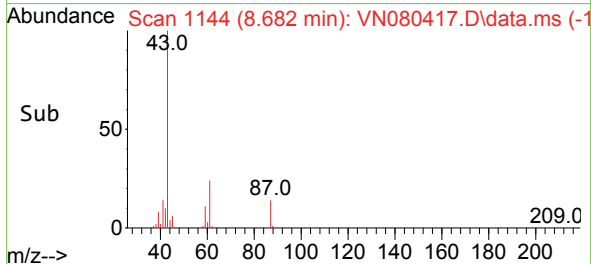
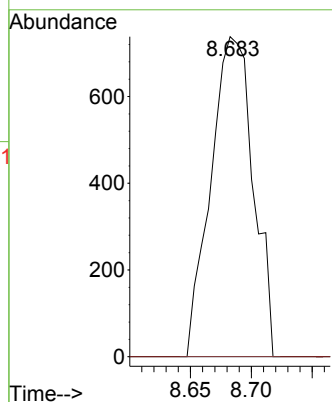
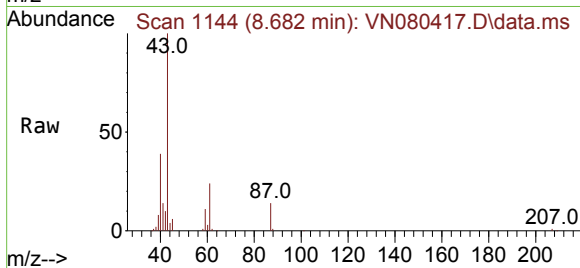
ClientSampleId :

Tgt Ion: 62 Resp: 1794

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 24.878 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

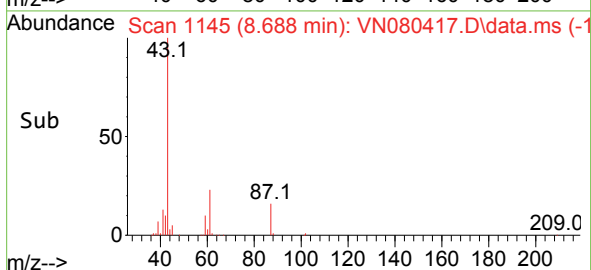
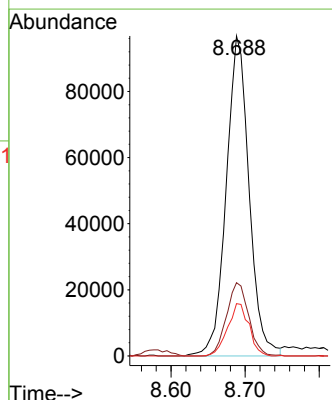
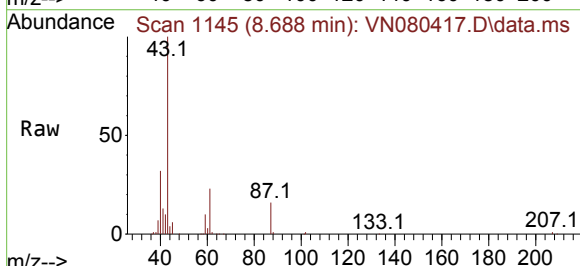
Tgt Ion: 43 Resp: 207506

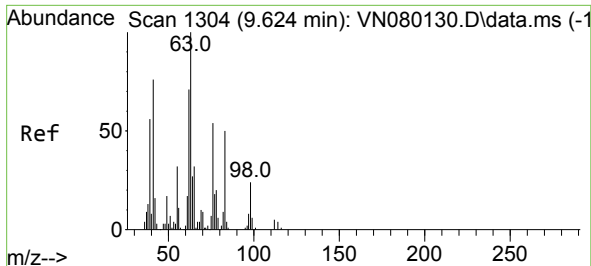
Ion Ratio Lower Upper

43 100

61 22.1 24.7 37.1#

87 15.2 14.6 21.8





#45

1,2-Dichloropropane

Concen: 0.561 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

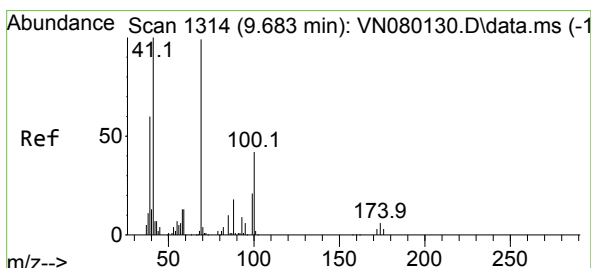
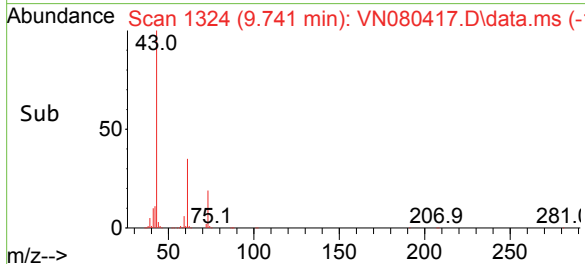
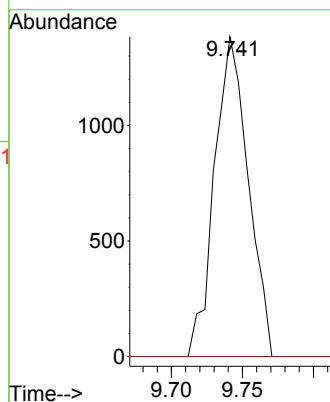
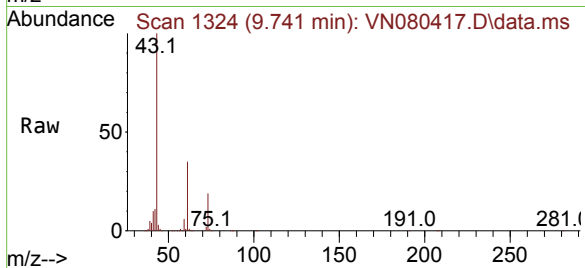
ClientSampleId :

Tgt Ion: 63 Resp: 2288

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 2.287 ug/l

RT: 9.653 min Scan# 1309

Delta R.T. -0.030 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

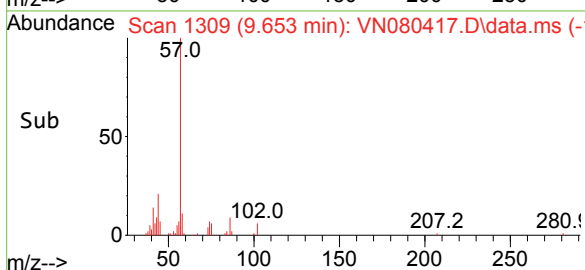
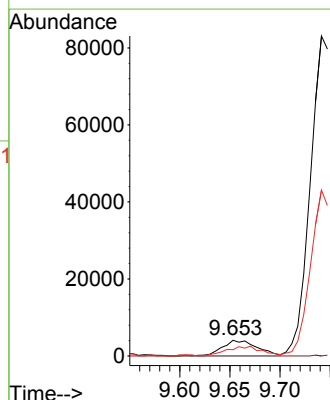
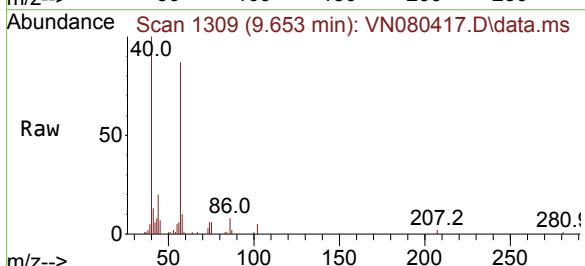
Tgt Ion: 41 Resp: 9831

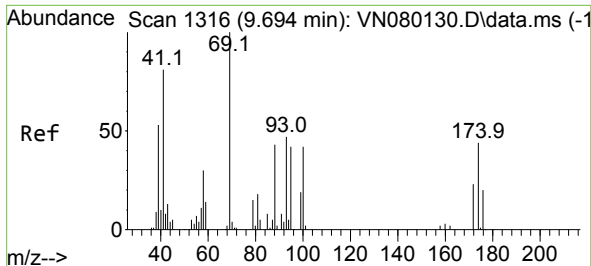
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 61.1 54.6 81.8





#49

1,4-Dioxane

Concen: 17.117 ug/l

RT: 9.694 min Scan# 11

Delta R.T. -0.000 min

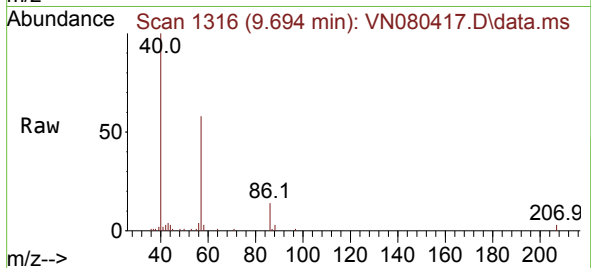
Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :



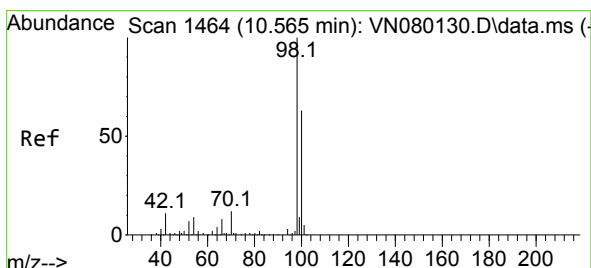
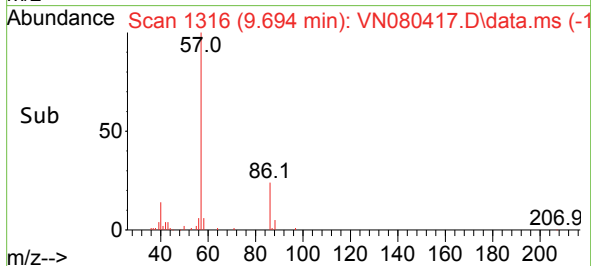
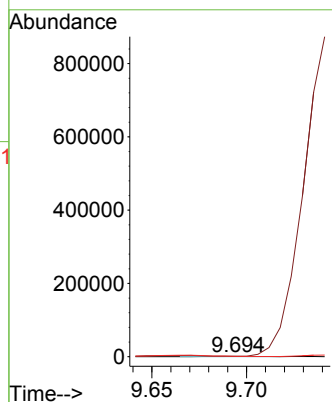
Tgt Ion: 88 Resp: 1224

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 0.0 47.0 70.4#



#50

Toluene-d8

Concen: 50.118 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080417.D

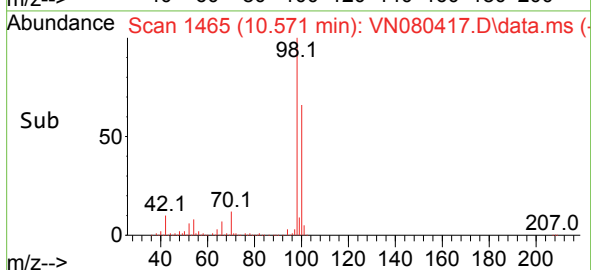
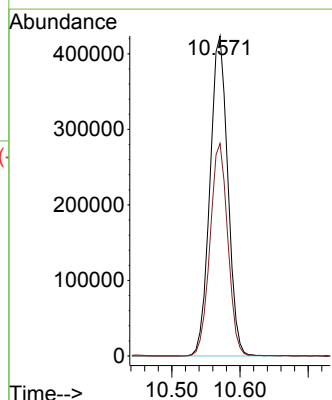
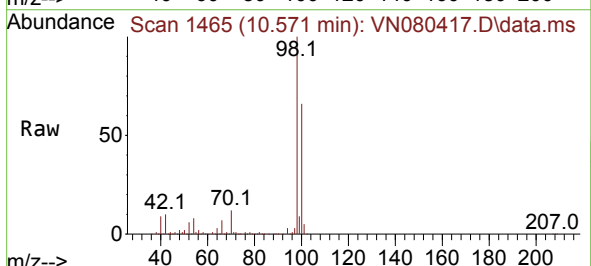
Acq: 08 Dec 2023 19:32

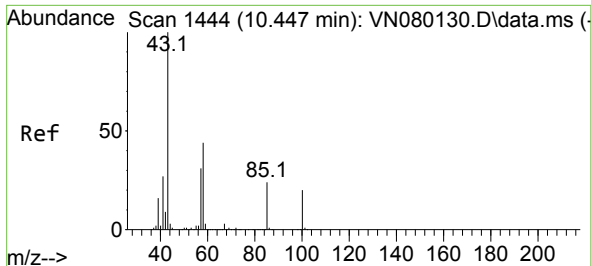
Tgt Ion: 98 Resp: 771092

Ion Ratio Lower Upper

98 100

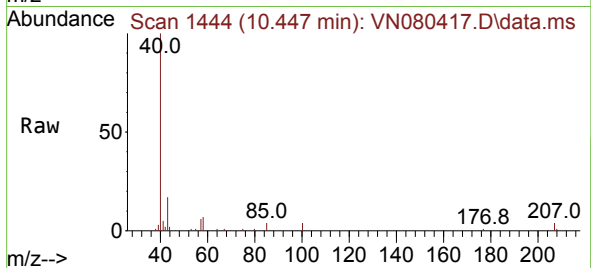
100 66.2 52.0 78.0



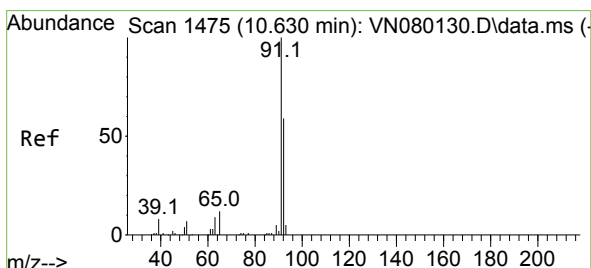
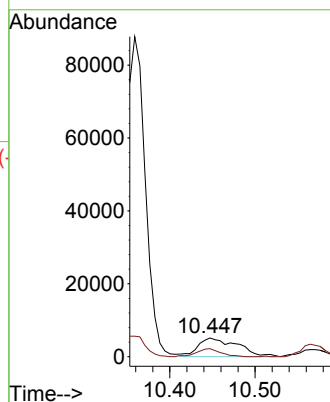
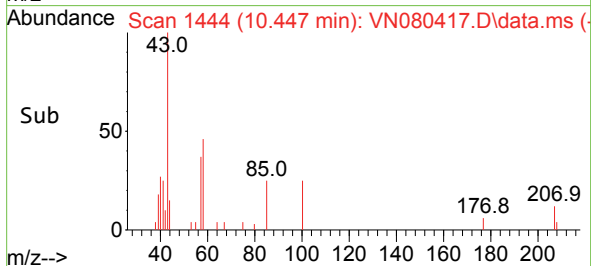


#51
4-Methyl-2-Pentanone
Concen: 3.842 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

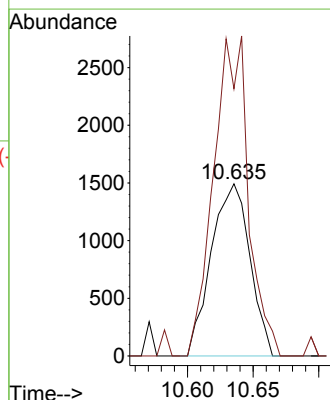
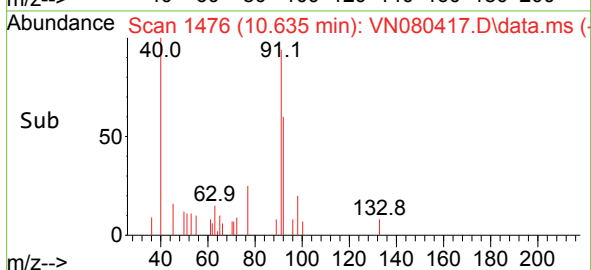
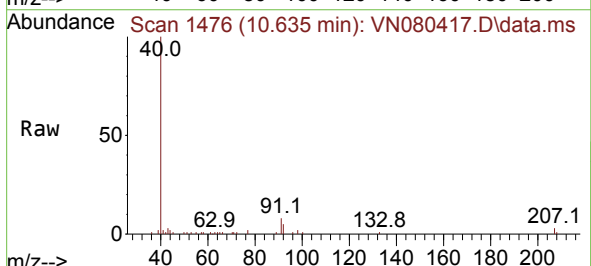


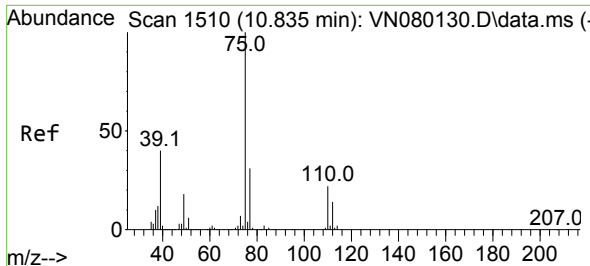
Tgt Ion: 43 Resp: 16592
Ion Ratio Lower Upper
43 100
58 26.0 36.6 54.8#



#52
Toluene
Concen: 0.278 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

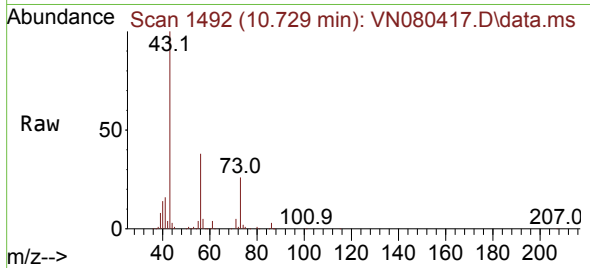
Tgt Ion: 92 Resp: 3054
Ion Ratio Lower Upper
92 100
91 167.0 137.4 206.0



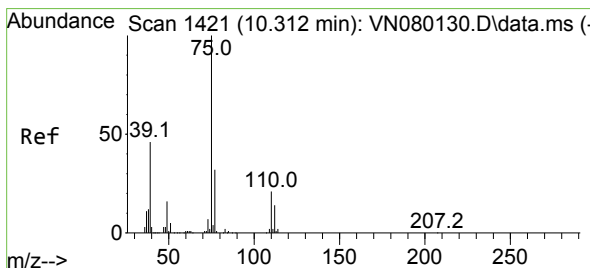
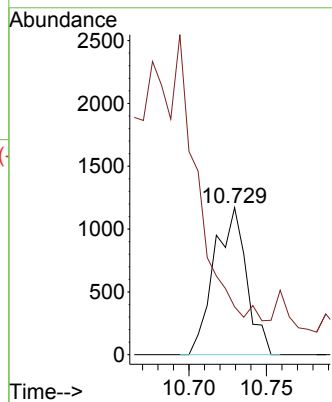
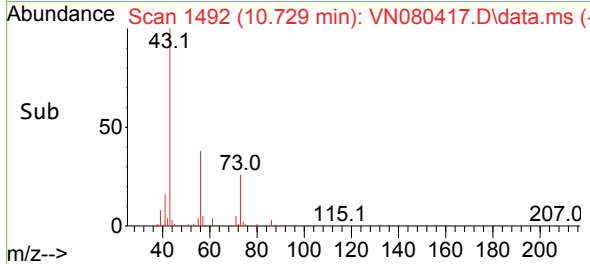


#53
 t-1,3-Dichloropropene
 Concen: 0.243 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN080417.D
 Acq: 08 Dec 2023 19:32

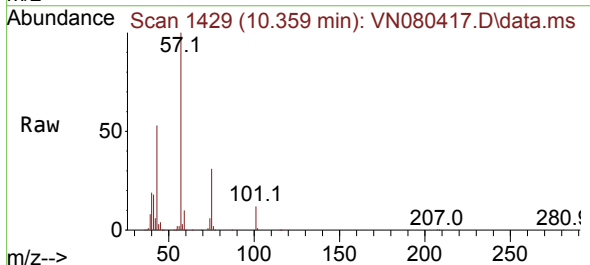
Instrument :
 MSVOA_N
 ClientSampleId :



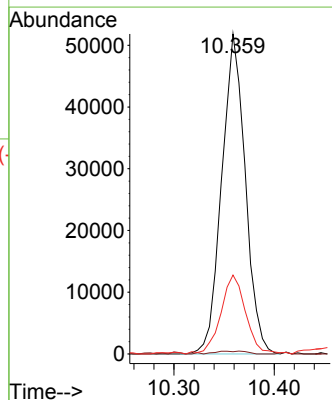
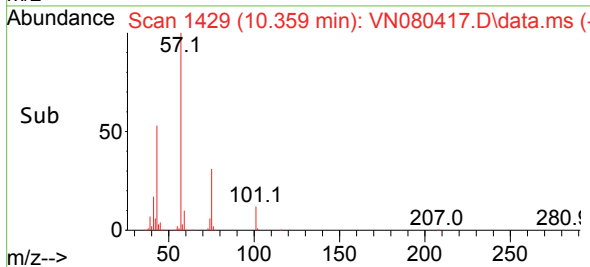
Tgt Ion: 75 Resp: 1698
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#

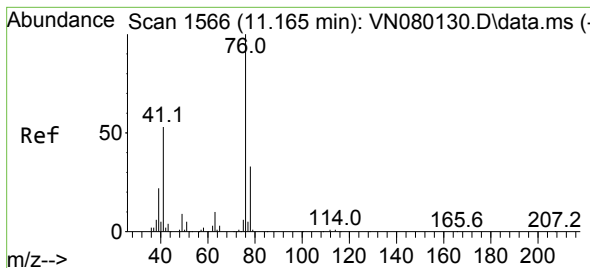


#54
 cis-1,3-Dichloropropene
 Concen: 11.850 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN080417.D
 Acq: 08 Dec 2023 19:32



Tgt Ion: 75 Resp: 84533
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.1 39.1#
 39 24.3 31.6 47.4#





#57

1,3-Dichloropropane

Concen: 1.321 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN080417.D

Acq: 08 Dec 2023 19:32

Instrument :

MSVOA_N

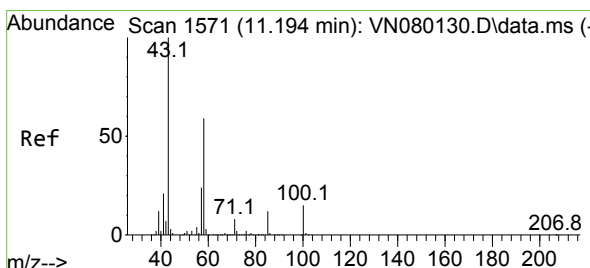
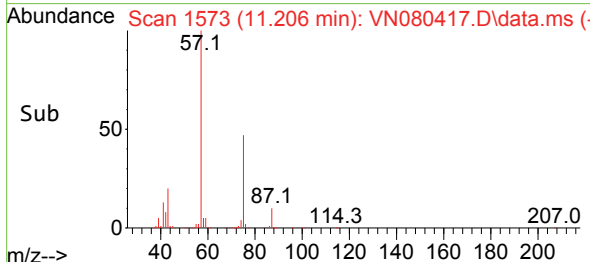
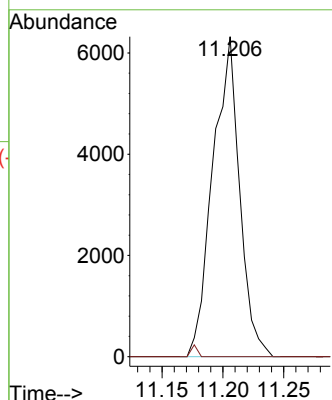
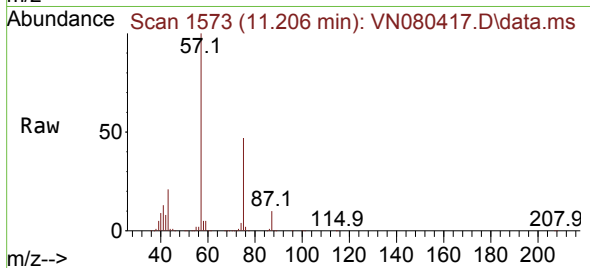
ClientSampleId :

Tgt Ion: 76 Resp: 9672

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 48.935 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN080417.D

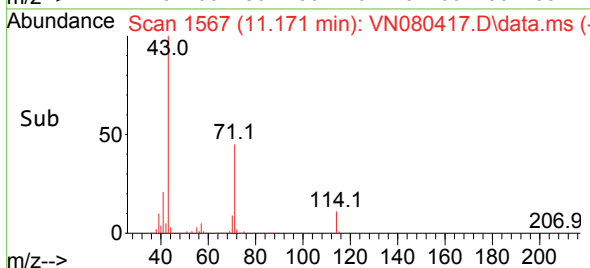
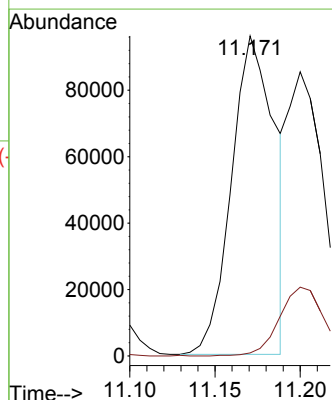
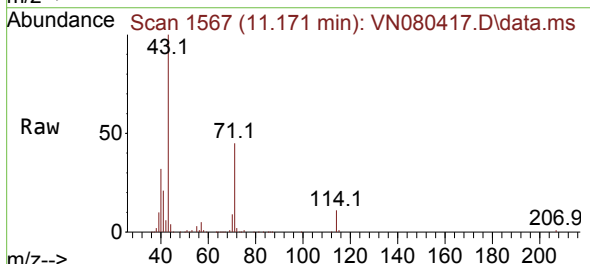
Acq: 08 Dec 2023 19:32

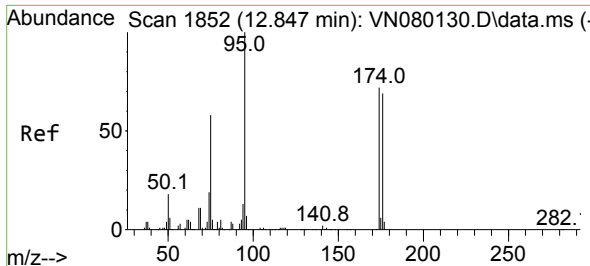
Tgt Ion: 43 Resp: 169800

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

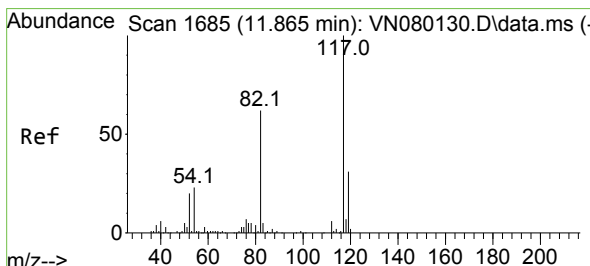
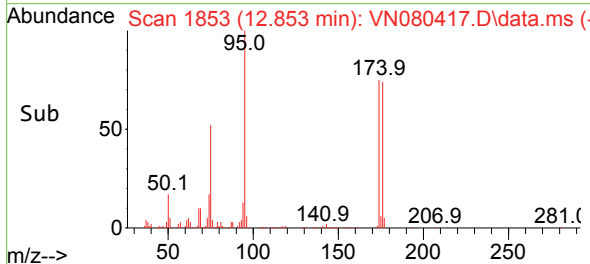
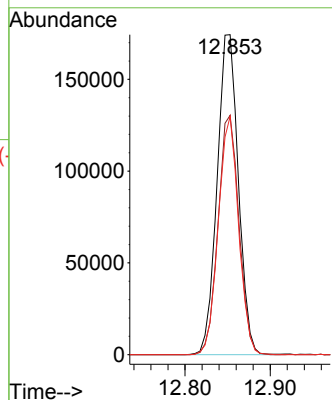
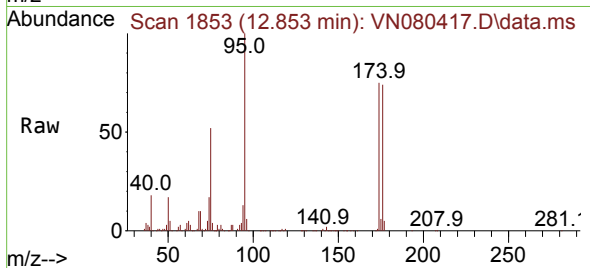




#62
4-Bromofluorobenzene
Concen: 51.905 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

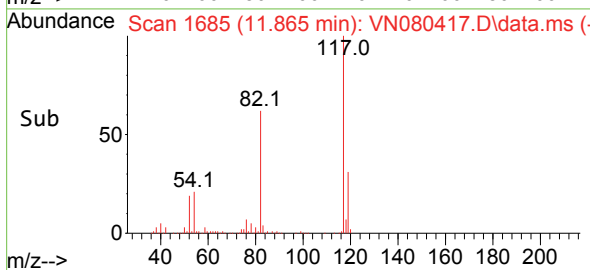
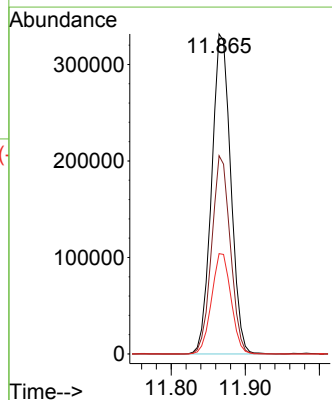
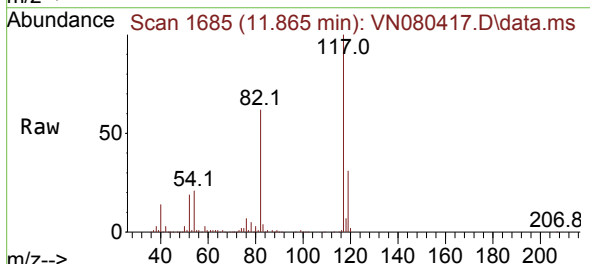
Instrument :
MSVOA_N
ClientSampleId :

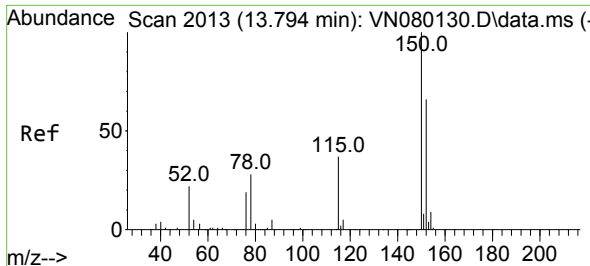
Tgt Ion: 95 Resp: 301638
Ion Ratio Lower Upper
95 100
174 73.6 0.0 143.8
176 70.9 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

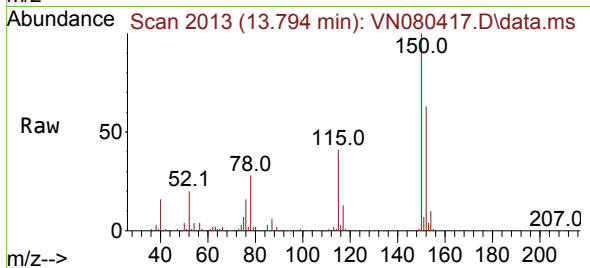
Tgt Ion: 117 Resp: 594344
Ion Ratio Lower Upper
117 100
82 62.0 44.0 66.0
119 31.3 25.6 38.4



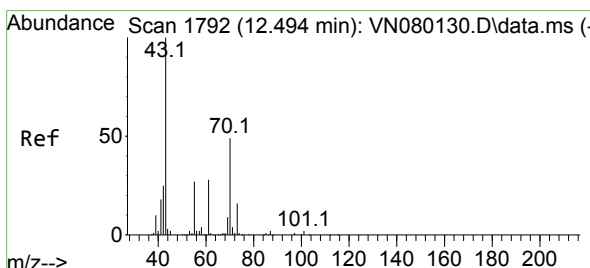
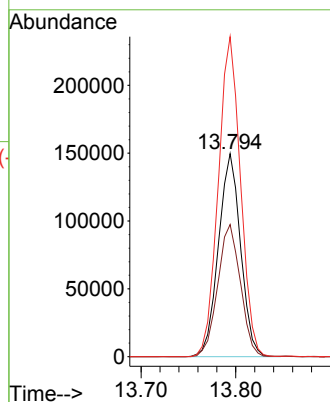
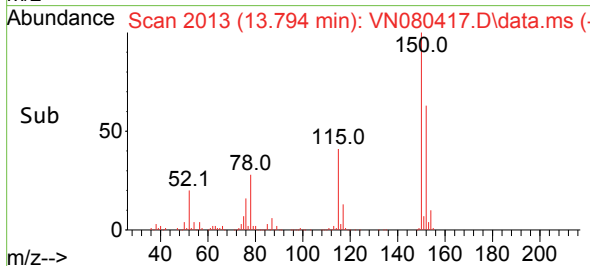


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN080417.D
 Acq: 08 Dec 2023 19:32

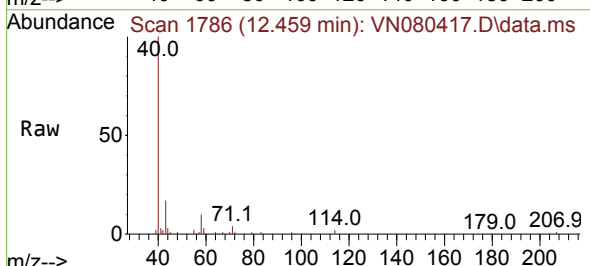
Instrument :
 MSVOA_N
 ClientSampleId :



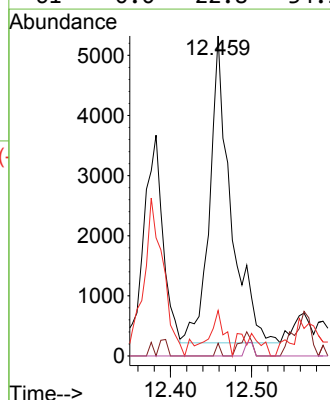
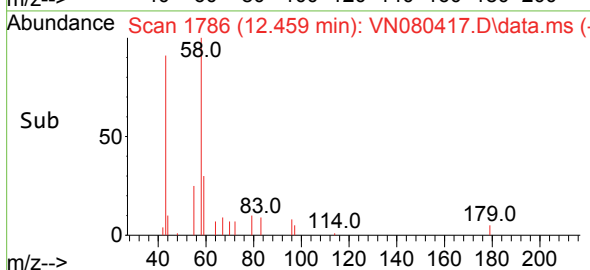
Tgt Ion:152 Resp: 242995
 Ion Ratio Lower Upper
 152 100
 115 66.8 32.3 96.8
 150 158.2 0.0 355.8

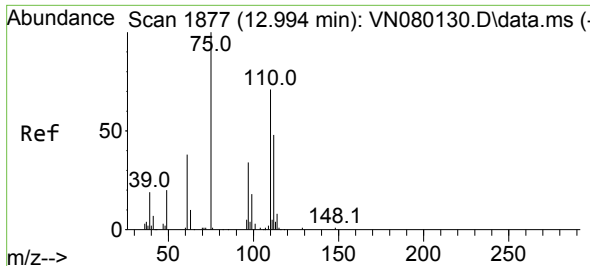


#74
 N-ethyl acetate
 Concen: 1.565 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN080417.D
 Acq: 08 Dec 2023 19:32



Tgt Ion: 43 Resp: 9215
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 12.0 21.4 32.0#
 61 0.0 22.8 34.2#

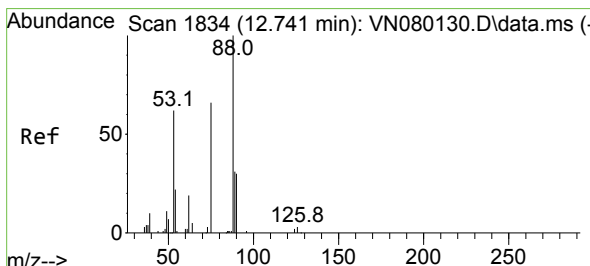
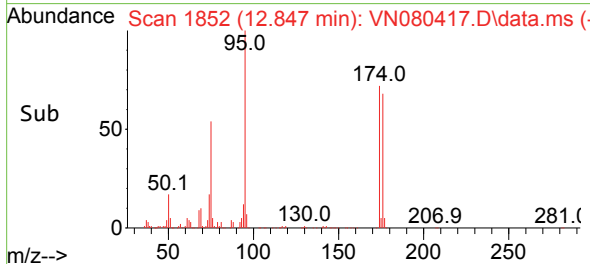
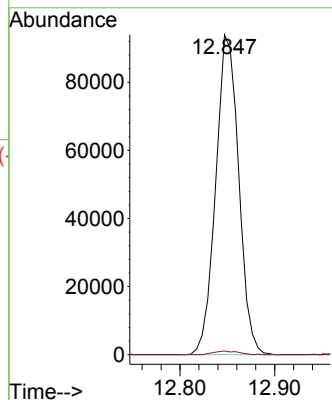
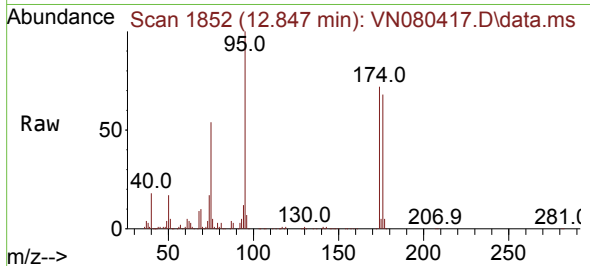




#76
1,2,3-Trichloropropane
Concen: 26.603 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 158388
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.880 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN080417.D
Acq: 08 Dec 2023 19:32

Tgt Ion: 75 Resp: 158388
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

