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 Data File : VN080216.D
 Acq On : 20 Nov 2023 18:34
 Operator : JC\MD
 Sample : 05468-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

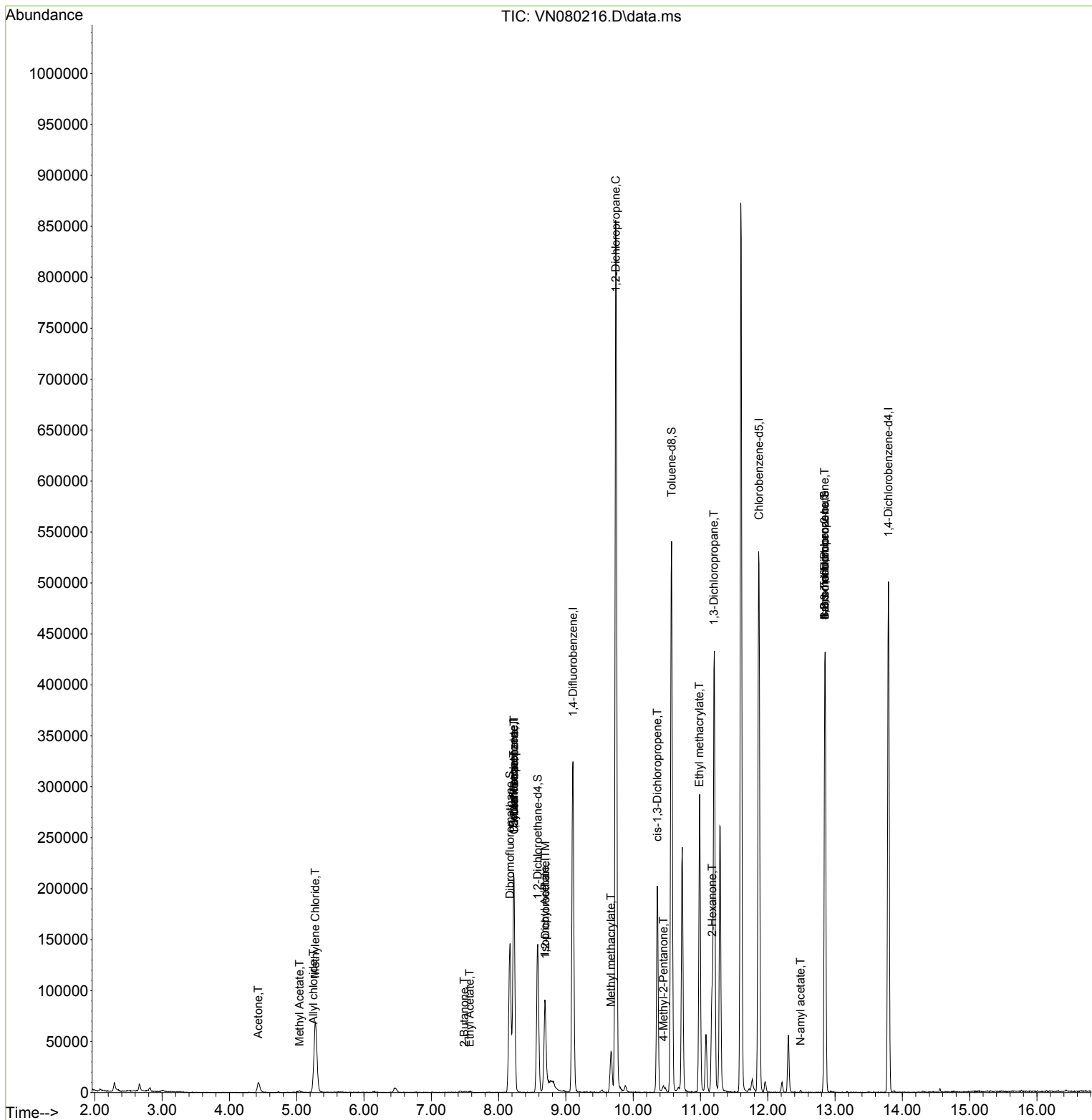
Instrument :
 MSVOA_N
 ClientSampleId :

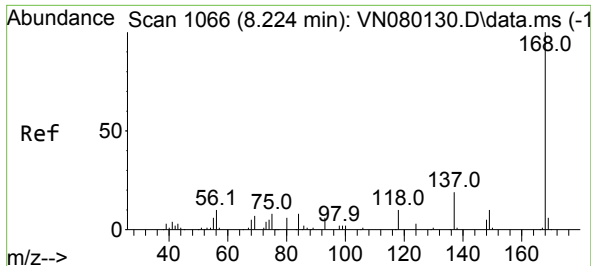
Quant Time: Nov 21 01:09:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	142471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	265922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	302674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135137	57.446	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.900%	
35) Dibromofluoromethane	8.171	113	101192	51.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.140%	
50) Toluene-d8	10.571	98	369585	52.252	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.500%	
62) 4-Bromofluorobenzene	12.847	95	145659	54.520	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.040%	
Target Compounds						Qvalue
6) Chloroethane	3.106	64	481	Below Cal	#	43
14) Allyl chloride	5.247	41	449	0.237	ug/l #	19
16) Acetone	4.430	43	18830	23.832	ug/l	96
18) Methyl Acetate	5.042	43	2554	1.006	ug/l #	88
20) Methylene Chloride	5.277	84	58395	35.292	ug/l	94
25) 2-Butanone	7.488	43	1053	1.122	ug/l #	37
31) Cyclohexane	8.224	56	3652	1.428	ug/l #	32
36) 1,1-Dichloropropene	8.230	75	12041	4.239	ug/l #	50
37) Ethyl Acetate	7.571	43	2093	1.062	ug/l #	67
38) Carbon Tetrachloride	8.230	117	16338	4.532	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	709	0.215	ug/l #	73
43) Isopropyl Acetate	8.688	43	99176	25.864	ug/l #	83
45) 1,2-Dichloropropane	9.741	63	1200	0.640	ug/l #	45
48) Methyl methacrylate	9.671	41	2682	1.357	ug/l #	3
51) 4-Methyl-2-Pentanone	10.453	43	3233	1.629	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	37323	11.381	ug/l #	69
56) Ethyl methacrylate	10.982	69	1427	0.724	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4952	1.471	ug/l #	42
59) 2-Hexanone	11.176	43	73813	46.271	ug/l #	19
71) Bromoform	12.847	173	636	0.322	ug/l #	1
74) N-amyl acetate	12.488	43	770	0.242	ug/l #	36
76) 1,2,3-Trichloropropane	12.847	75	86030	26.693	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86030	90.186	ug/l #	15

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

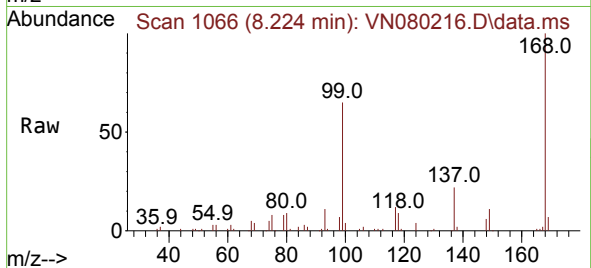
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration



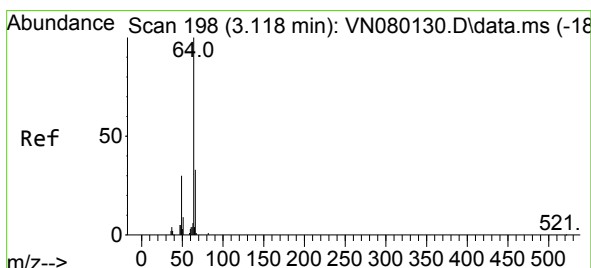
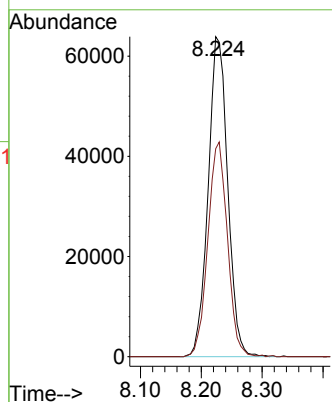
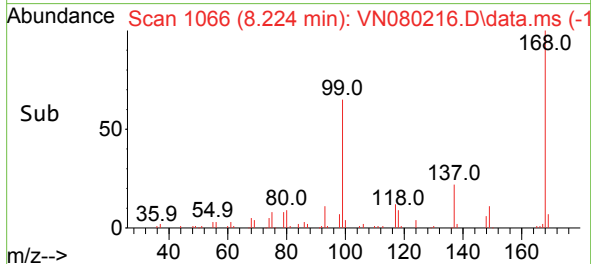


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

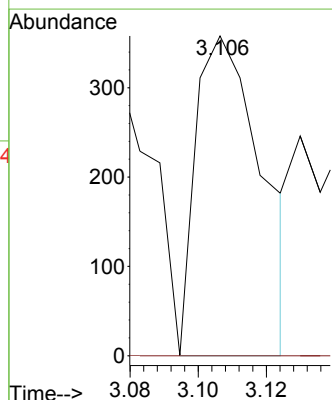
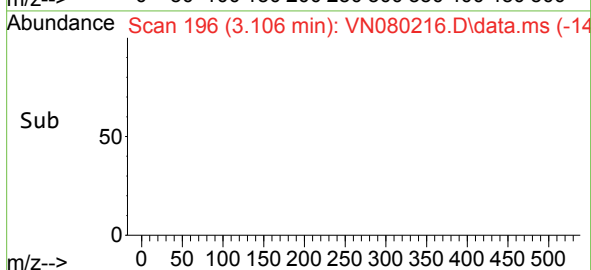
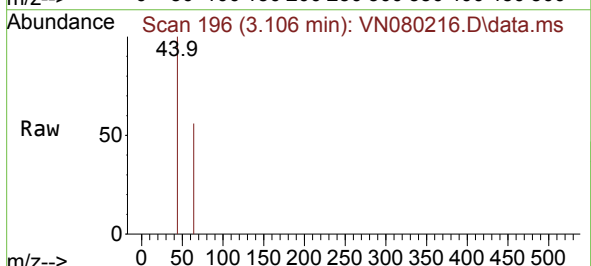


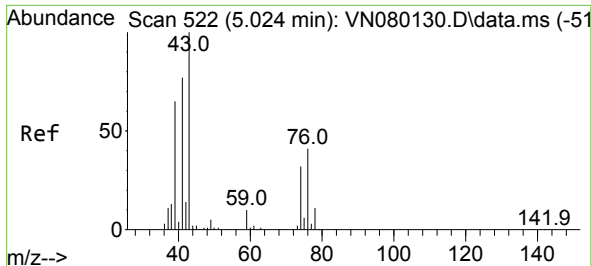
Tgt Ion:168 Resp: 142471
Ion Ratio Lower Upper
168 100
99 65.0 53.0 79.6



#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

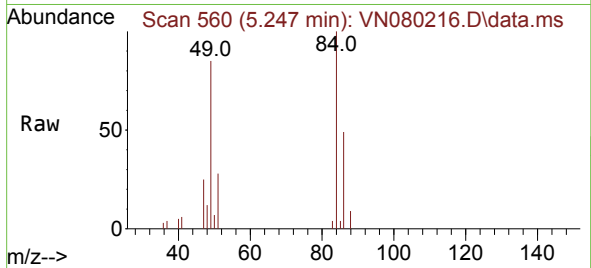
Tgt Ion: 64 Resp: 481
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



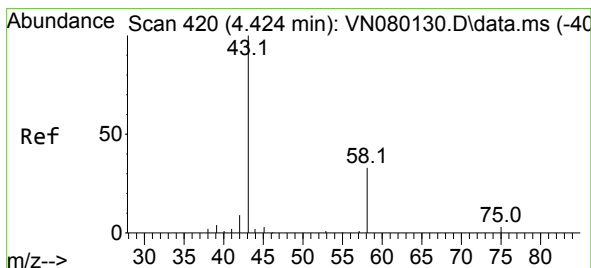
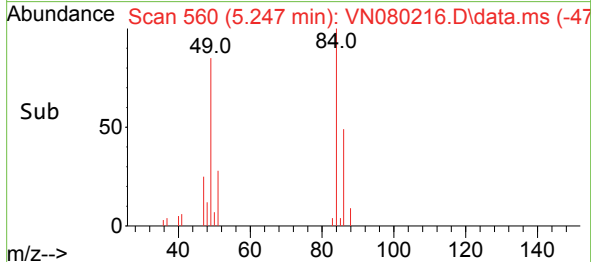
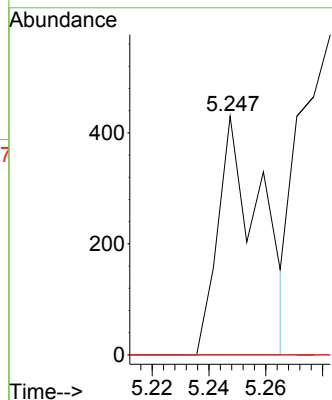


#14
 Allyl chloride
 Concen: 0.237 ug/l
 RT: 5.247 min Scan# 51
 Delta R.T. 0.223 min
 Lab File: VN080216.D
 Acq: 20 Nov 2023 18:34

Instrument :
 MSVOA_N
 ClientSampleId :

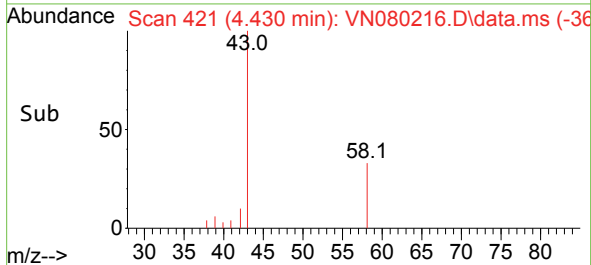
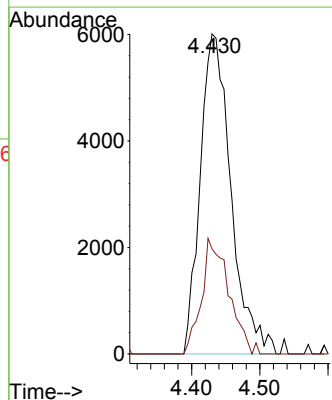
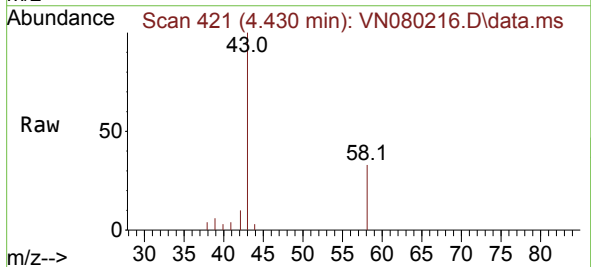


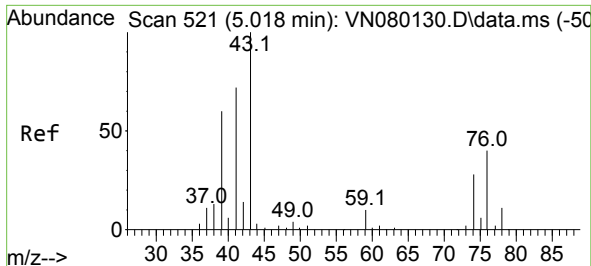
Tgt Ion: 41 Resp: 449
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.8 88.2#
 76 0.0 39.1 58.7#



#16
 Acetone
 Concen: 23.832 ug/l
 RT: 4.430 min Scan# 421
 Delta R.T. 0.006 min
 Lab File: VN080216.D
 Acq: 20 Nov 2023 18:34

Tgt Ion: 43 Resp: 18830
 Ion Ratio Lower Upper
 43 100
 58 32.8 28.0 42.0

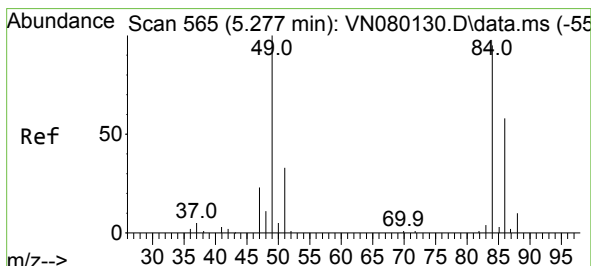
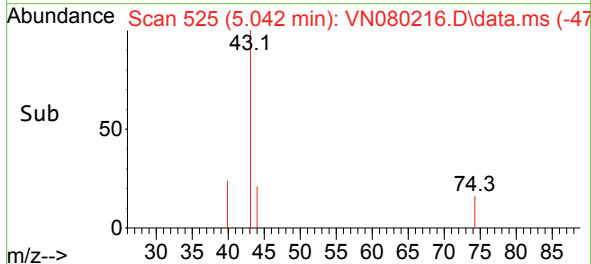
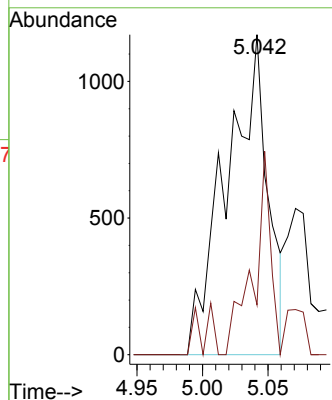
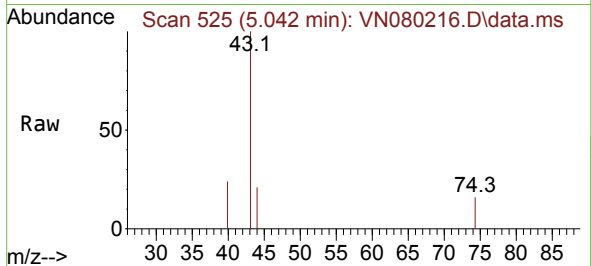




#18
Methyl Acetate
Concen: 1.006 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

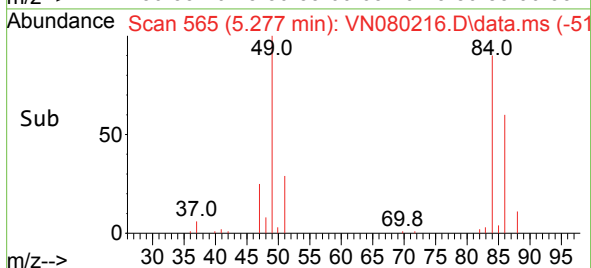
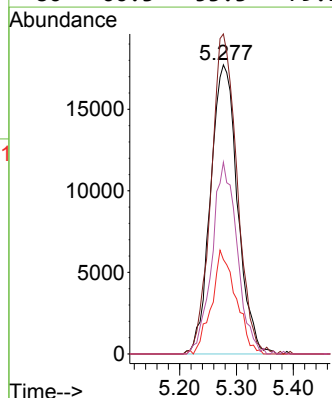
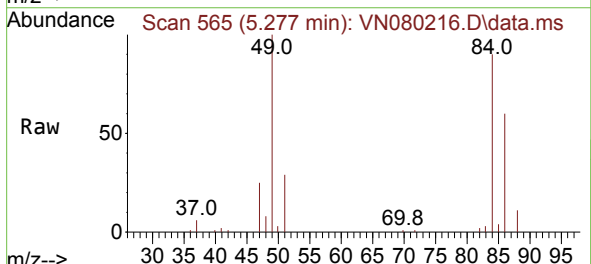
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MSVOA_N
ClientSampleId :

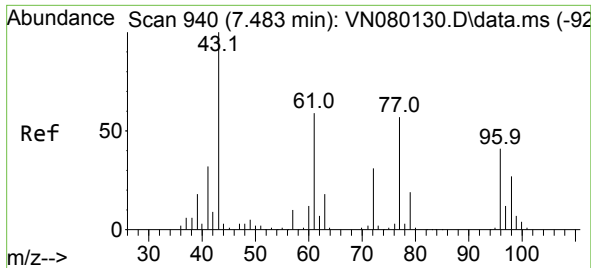
Tgt Ion: 43 Resp: 2554
Ion Ratio Lower Upper
43 100
74 26.2 26.2 39.4#



#20
Methylene Chloride
Concen: 35.292 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Tgt Ion: 84 Resp: 58395
Ion Ratio Lower Upper
84 100
49 110.7 79.7 119.5
51 32.6 25.2 37.8
86 66.3 53.3 79.9

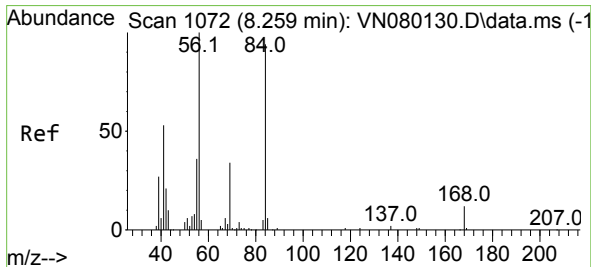
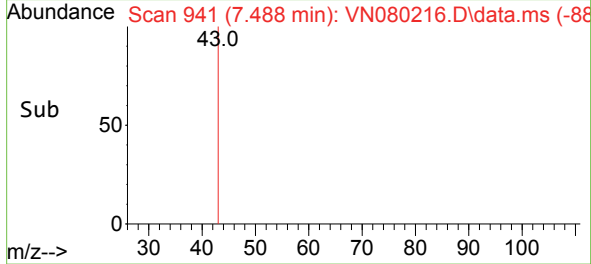
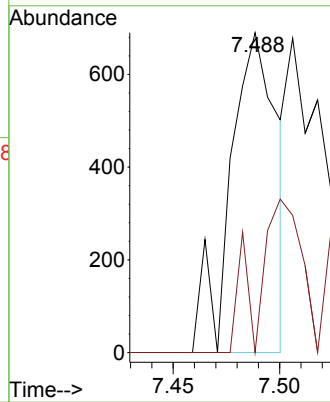
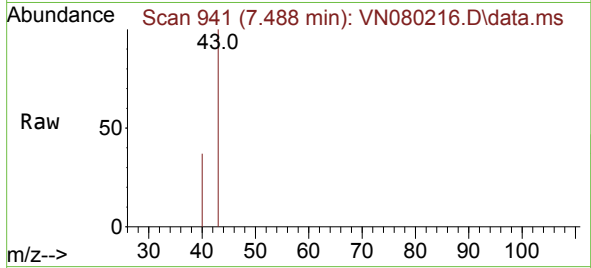




#25
2-Butanone
Concen: 1.122 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

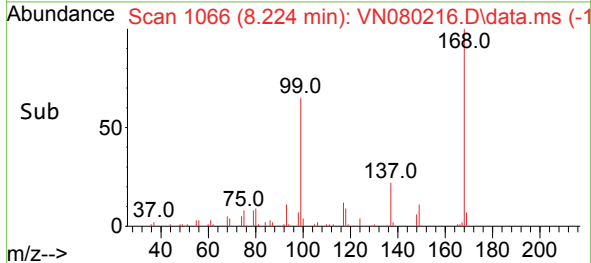
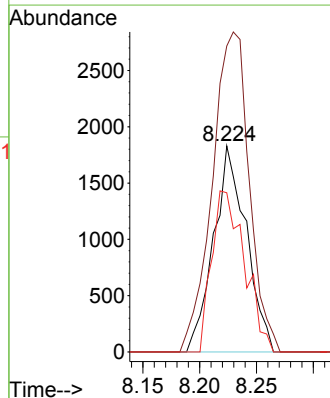
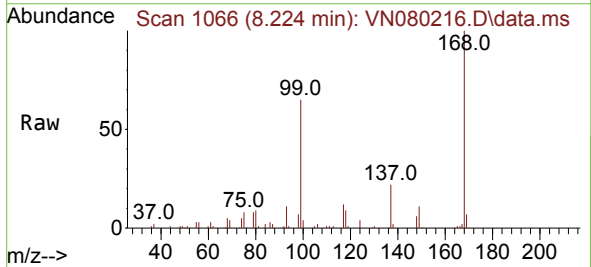
Instrument :
MSVOA_N
ClientSampleId :

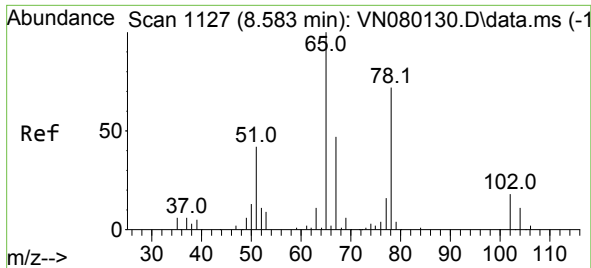
Tgt Ion: 43 Resp: 1053
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



#31
Cyclohexane
Concen: 1.428 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Tgt Ion: 56 Resp: 3652
Ion Ratio Lower Upper
56 100
69 148.4 26.8 40.2#
84 77.2 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 57.446 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

Instrument :

MSVOA_N

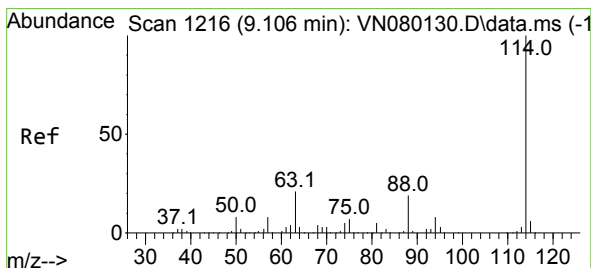
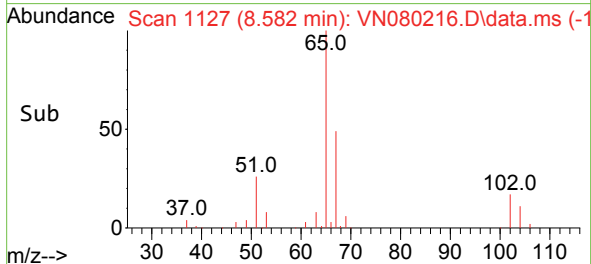
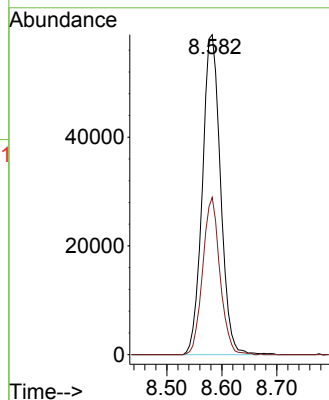
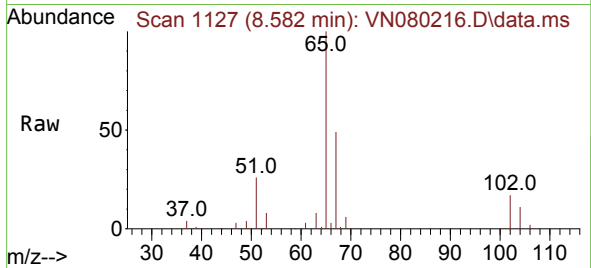
ClientSampleId :

Tgt Ion: 65 Resp: 135137

Ion Ratio Lower Upper

65 100

67 46.6 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: VN080216.D

Acq: 20 Nov 2023 18:34

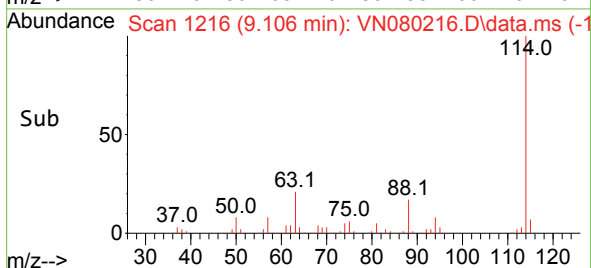
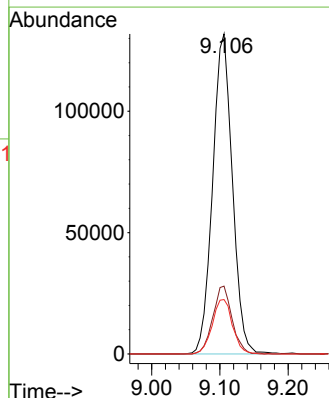
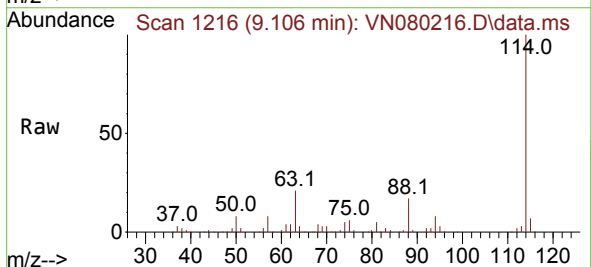
Tgt Ion:114 Resp: 265922

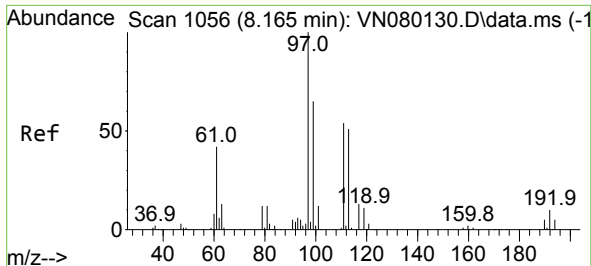
Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

88 17.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.572 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

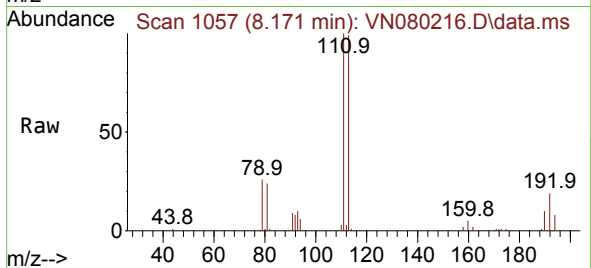
Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :



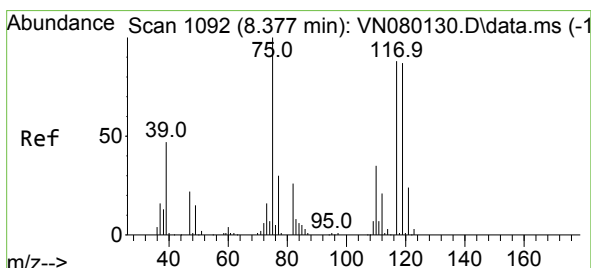
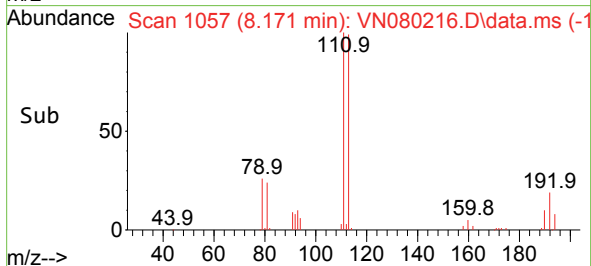
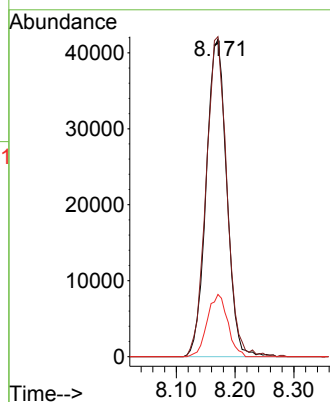
Tgt Ion:113 Resp: 101192

Ion Ratio Lower Upper

113 100

111 101.8 82.6 123.8

192 19.6 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.239 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

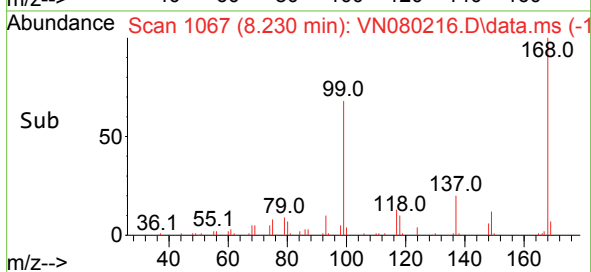
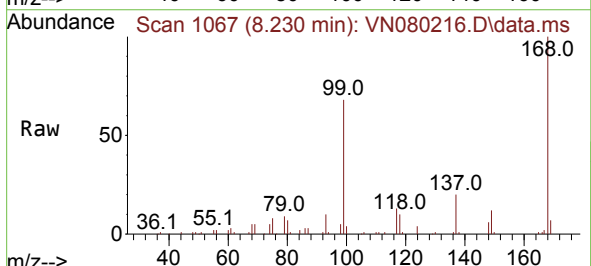
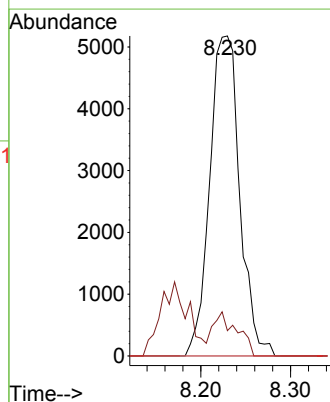
Tgt Ion: 75 Resp: 12041

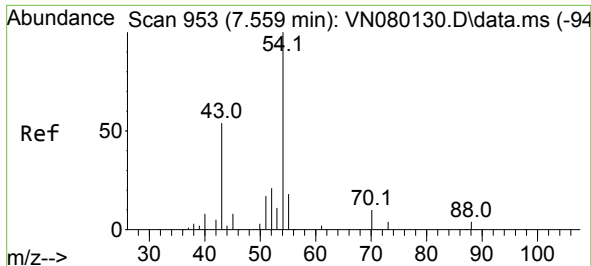
Ion Ratio Lower Upper

75 100

110 11.0 19.1 57.3#

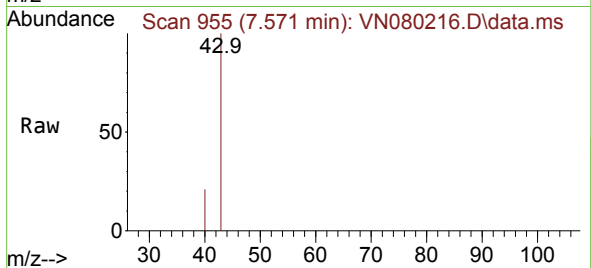
77 0.0 25.0 37.4#



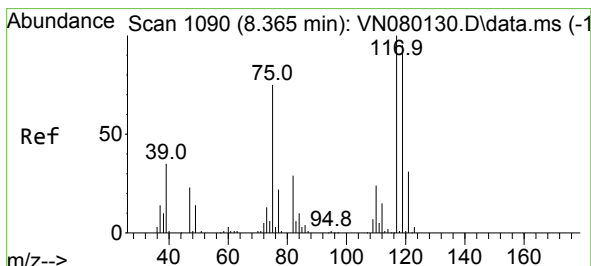
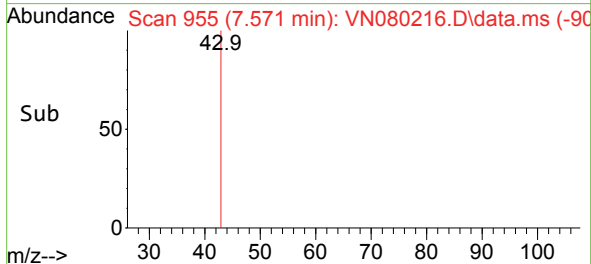
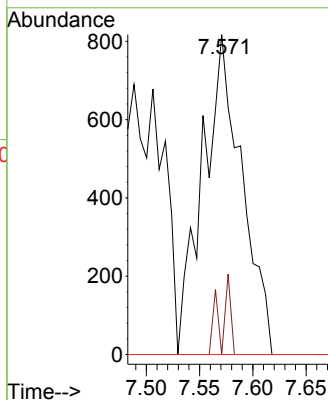


#37
Ethyl Acetate
Concen: 1.062 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :

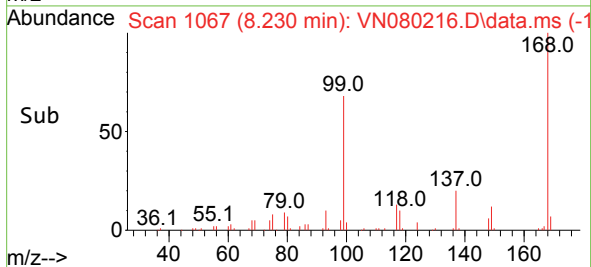
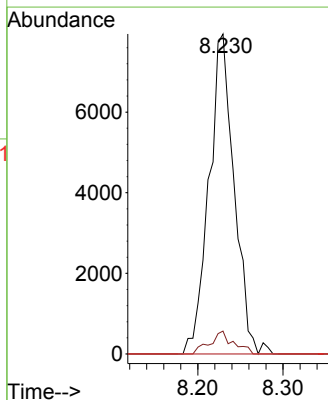
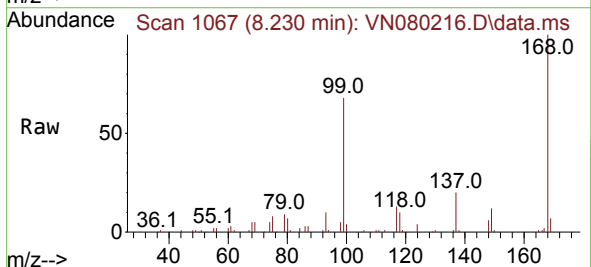


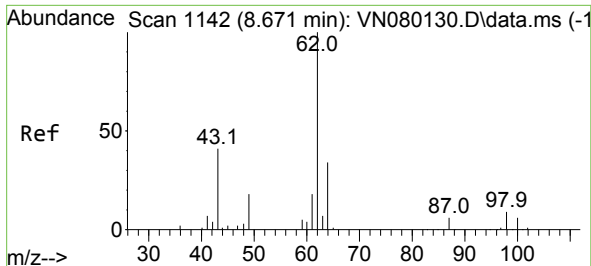
Tgt Ion: 43 Resp: 2093
Ion Ratio Lower Upper
43 100
61 2.8 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.532 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Tgt Ion: 117 Resp: 16338
Ion Ratio Lower Upper
117 100
119 7.1 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.215 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

Instrument :

MSVOA_N

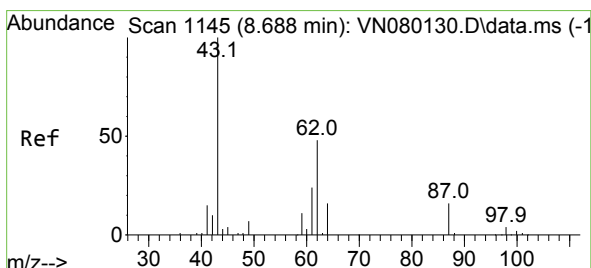
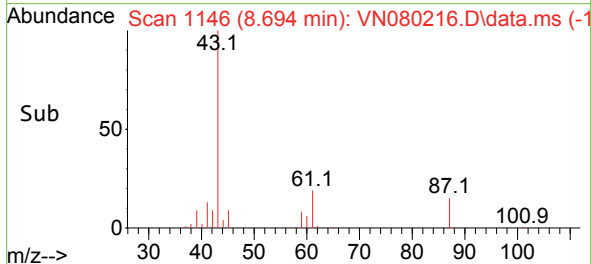
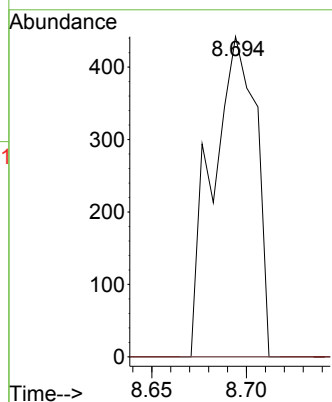
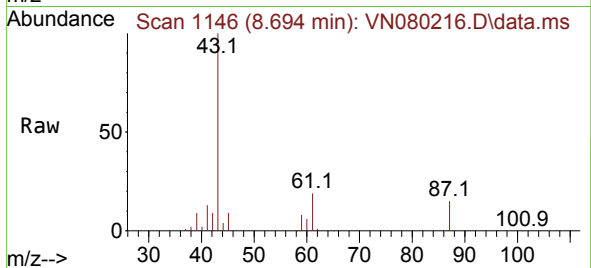
ClientSampleId :

Tgt Ion: 62 Resp: 709

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 25.864 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

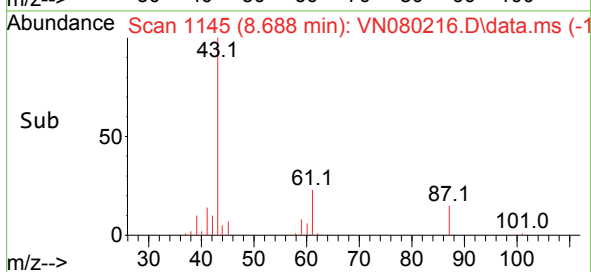
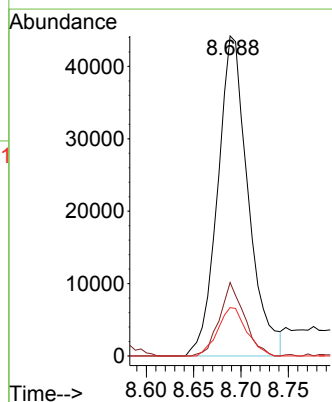
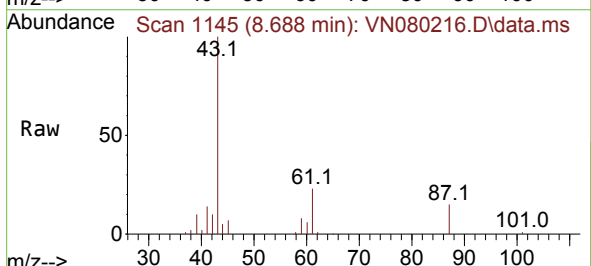
Tgt Ion: 43 Resp: 99176

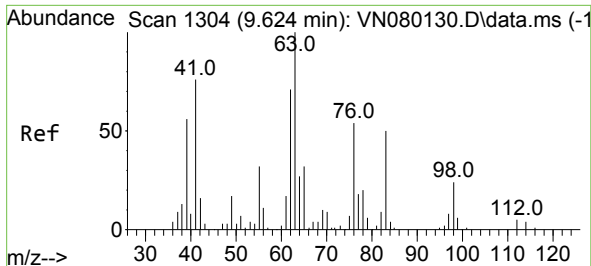
Ion Ratio Lower Upper

43 100

61 18.7 24.7 37.1#

87 14.3 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.640 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

Instrument :

MSVOA_N

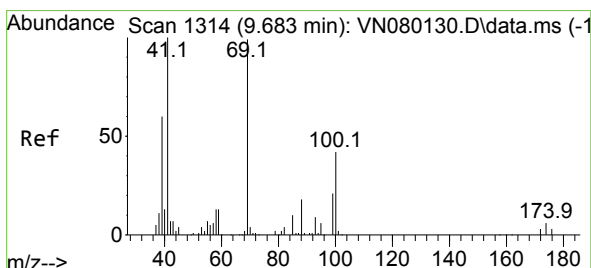
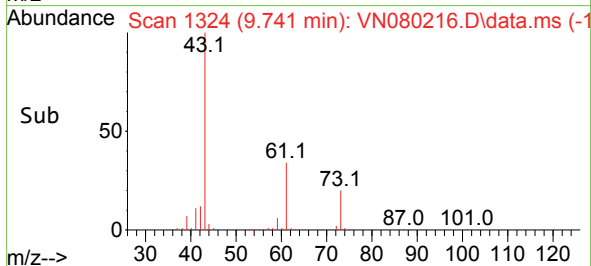
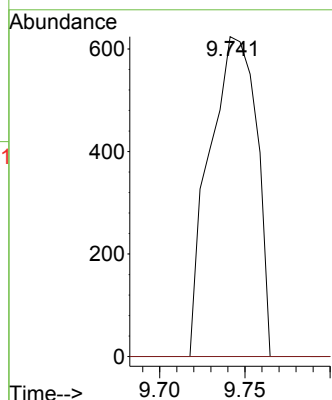
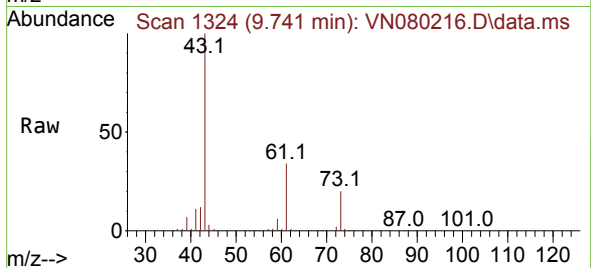
ClientSampleId :

Tgt Ion: 63 Resp: 1200

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.357 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

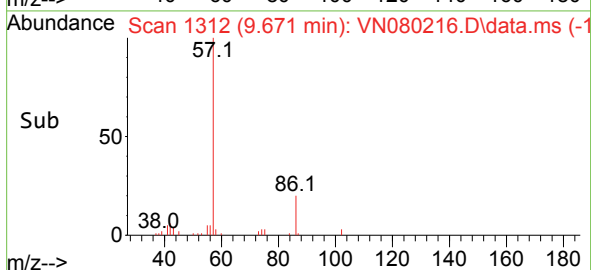
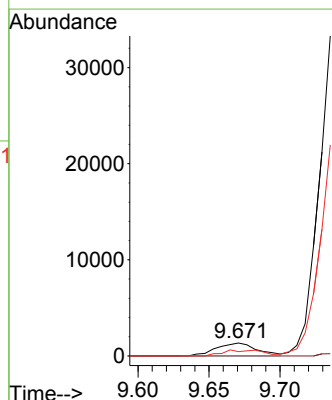
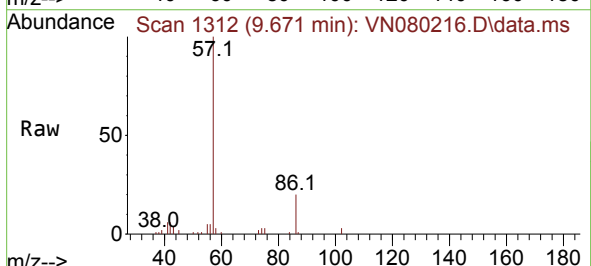
Tgt Ion: 41 Resp: 2682

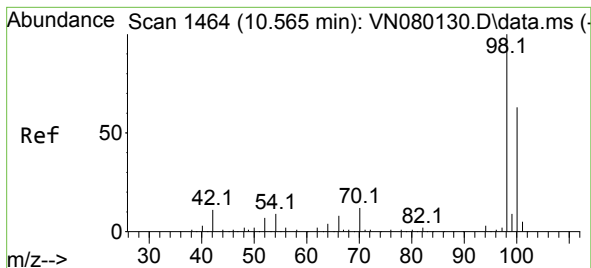
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 0.0 54.6 81.8#





#50

Toluene-d8

Concen: 52.252 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

Instrument :

MSVOA_N

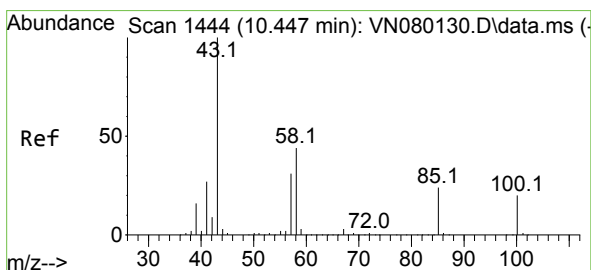
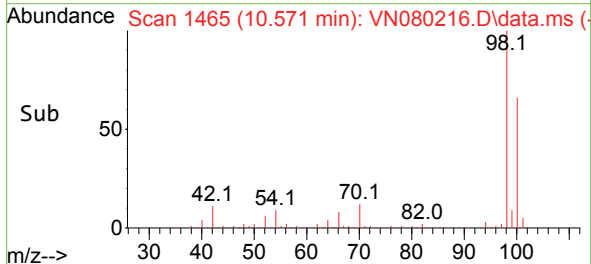
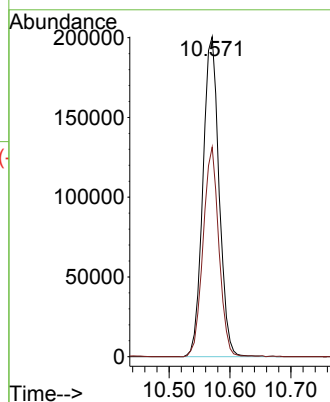
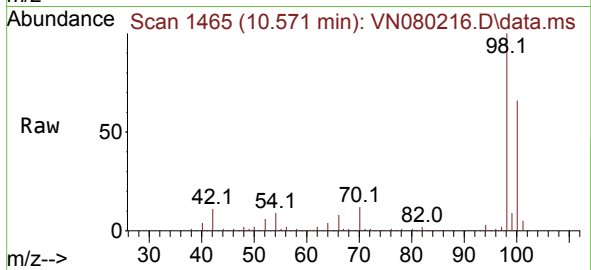
ClientSampleId :

Tgt Ion: 98 Resp: 369585

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.629 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN080216.D

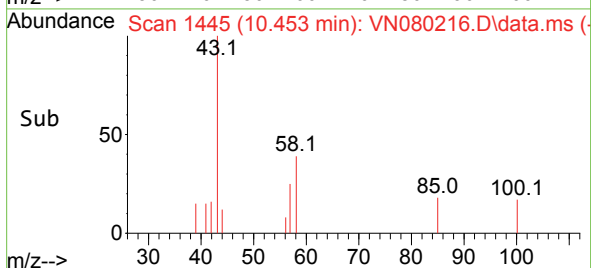
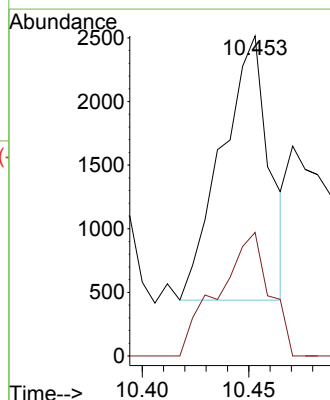
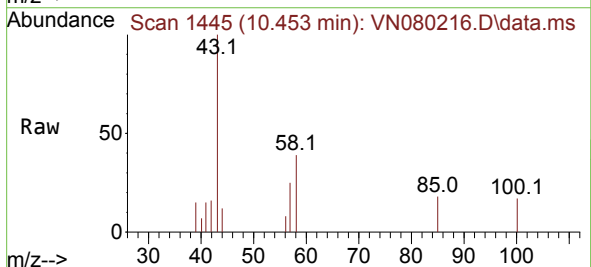
Acq: 20 Nov 2023 18:34

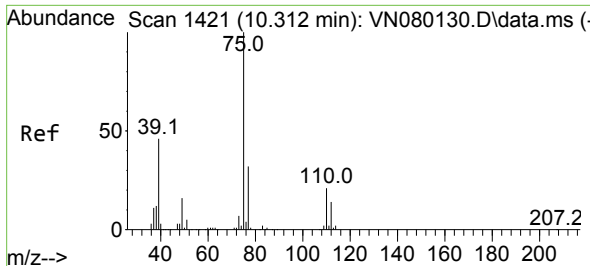
Tgt Ion: 43 Resp: 3233

Ion Ratio Lower Upper

43 100

58 50.1 36.6 54.8

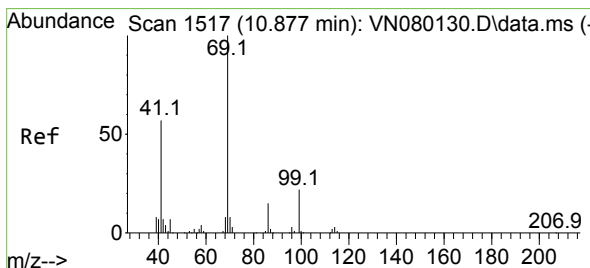
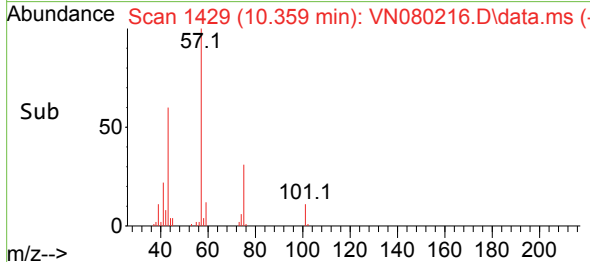
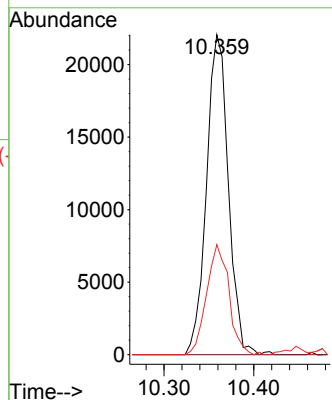
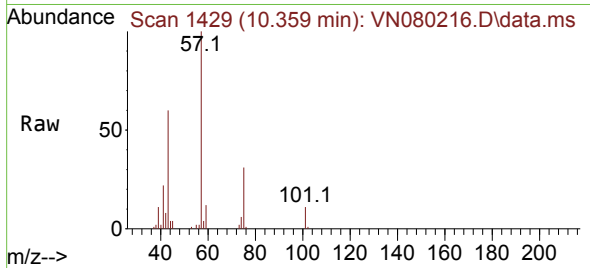




#54
cis-1,3-Dichloropropene
Concen: 11.381 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

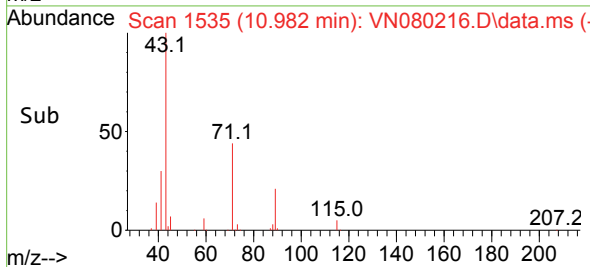
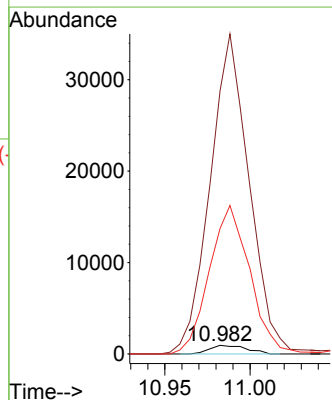
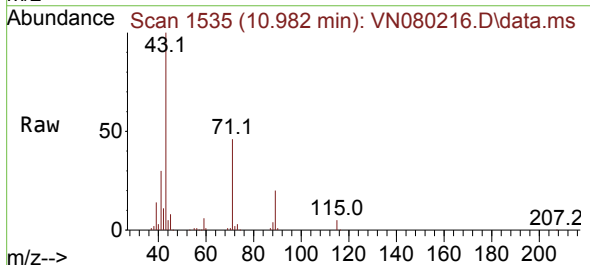
Instrument :
MSVOA_N
ClientSampleId :

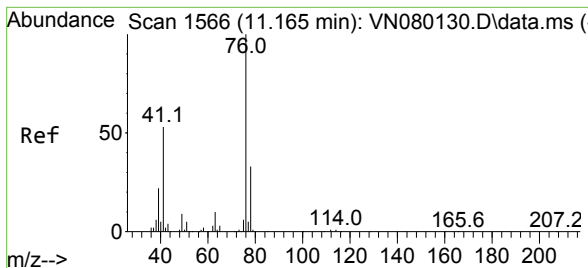
Tgt Ion: 75 Resp: 37323
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 34.4 31.6 47.4



#56
Ethyl methacrylate
Concen: 0.724 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Tgt Ion: 69 Resp: 1427
Ion Ratio Lower Upper
69 100
41 3936.8 39.6 59.4#
39 1886.0 28.6 43.0#

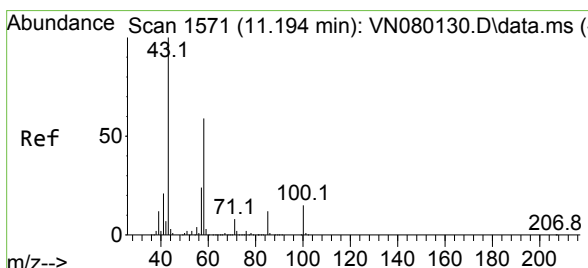
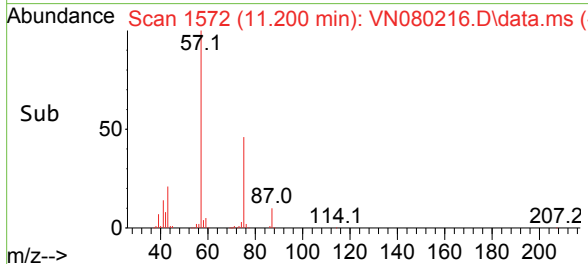
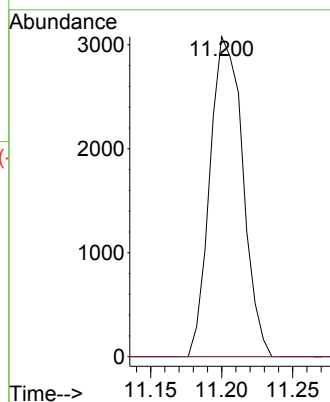
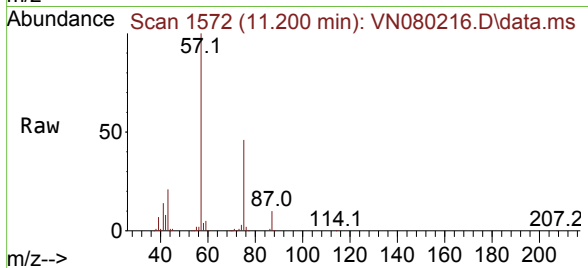




#57
1,3-Dichloropropane
Concen: 1.471 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

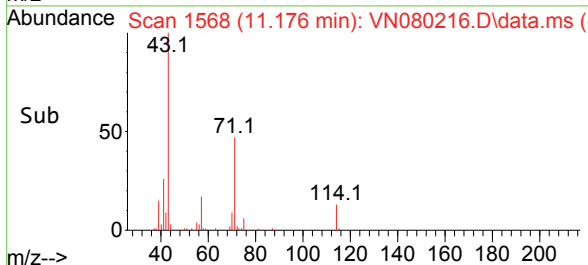
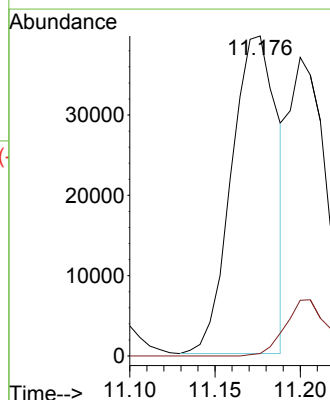
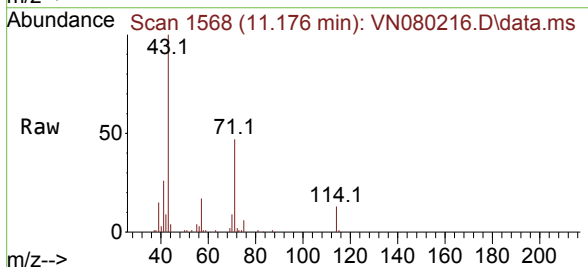
Instrument :
MSVOA_N
ClientSampleId :

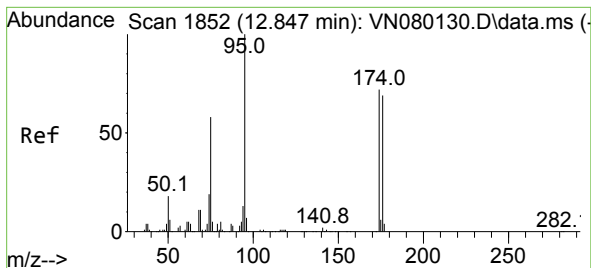
Tgt Ion: 76 Resp: 4952
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 46.271 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.018 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Tgt Ion: 43 Resp: 73813
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#

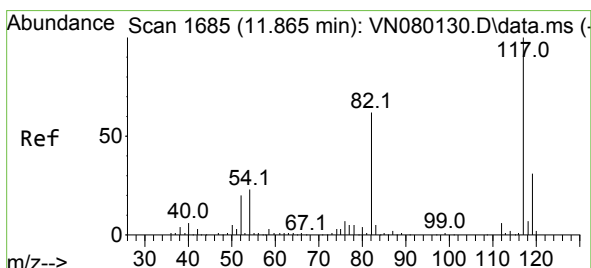
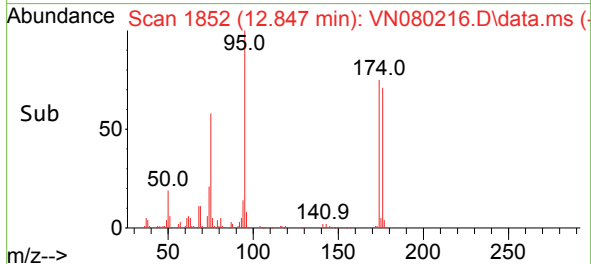
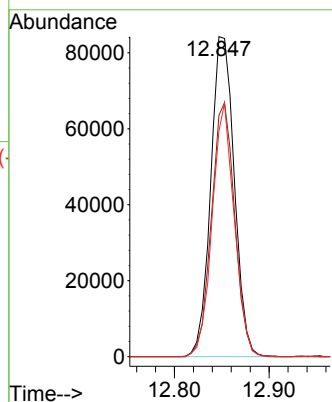
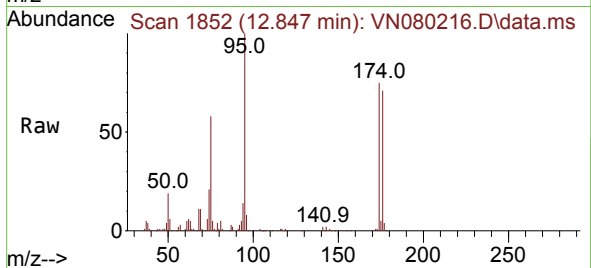




#62
4-Bromofluorobenzene
Concen: 54.520 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

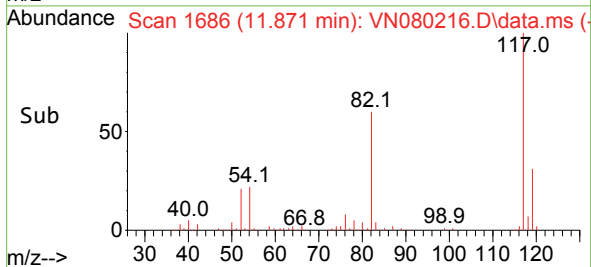
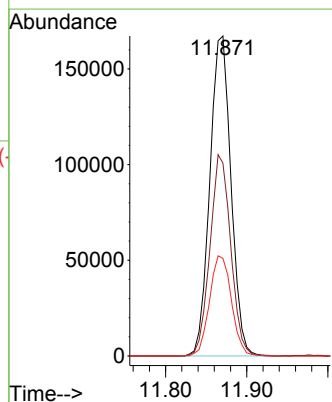
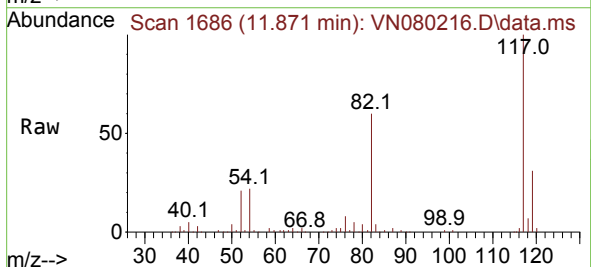
Instrument :
MSVOA_N
ClientSampleId :

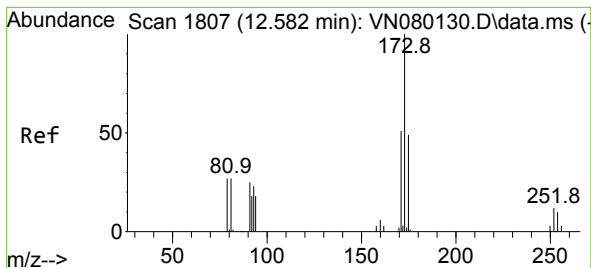
Tgt Ion: 95 Resp: 145659
Ion Ratio Lower Upper
95 100
174 78.4 0.0 143.8
176 74.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Tgt Ion: 117 Resp: 302674
Ion Ratio Lower Upper
117 100
82 60.3 44.0 66.0
119 30.5 25.6 38.4





#71

Bromoform

Concen: 0.322 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

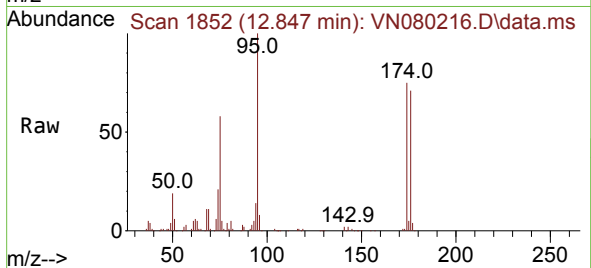
Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

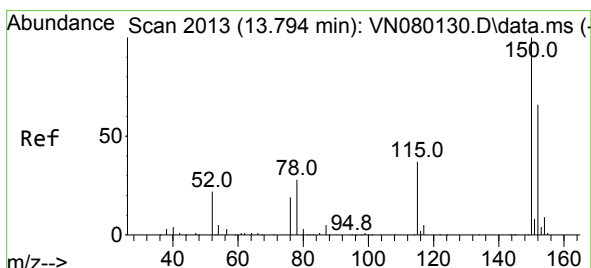
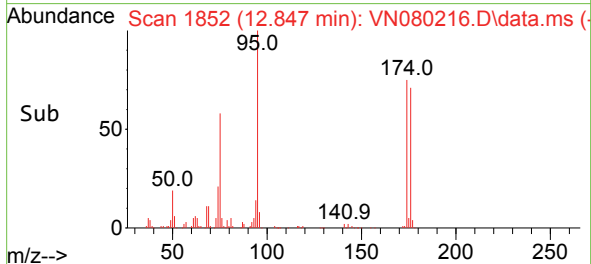
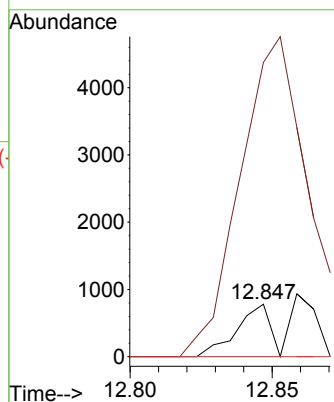
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	636
Ion Ratio	Lower	Upper	
173	100		
175	1029.6	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

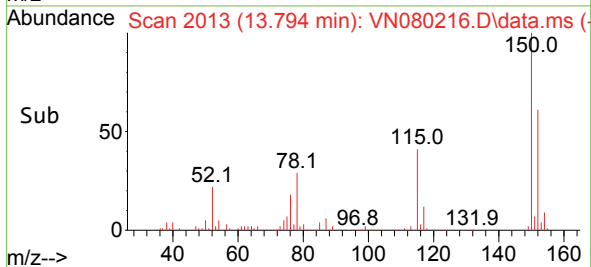
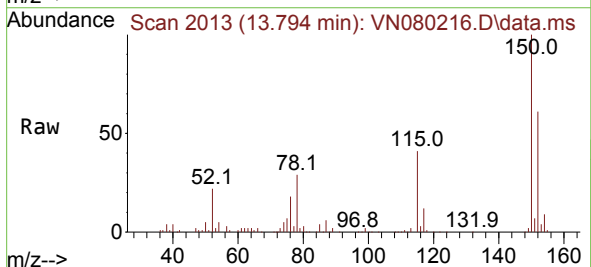
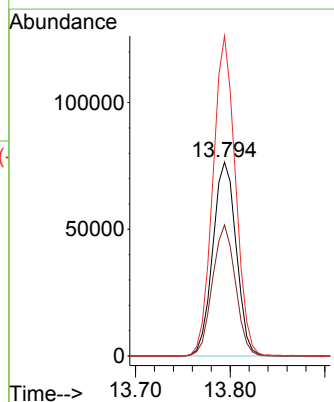
RT: 13.794 min Scan# 2013

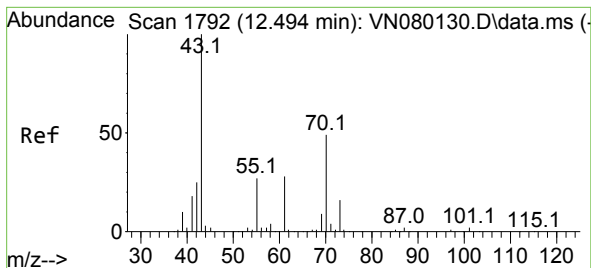
Delta R.T. -0.000 min

Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

Tgt Ion:	152	Resp:	131537
Ion Ratio	Lower	Upper	
152	100		
115	66.3	32.3	96.8
150	158.9	0.0	355.8





#74

N-amy1 acetate

Concen: 0.242 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

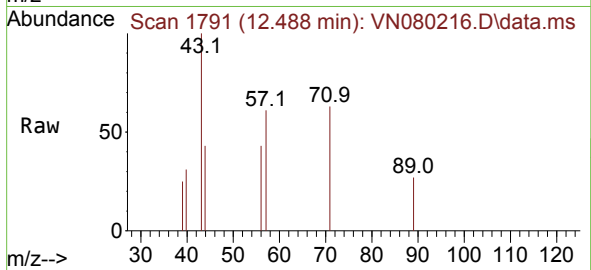
Lab File: VN080216.D

Acq: 20 Nov 2023 18:34

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 770

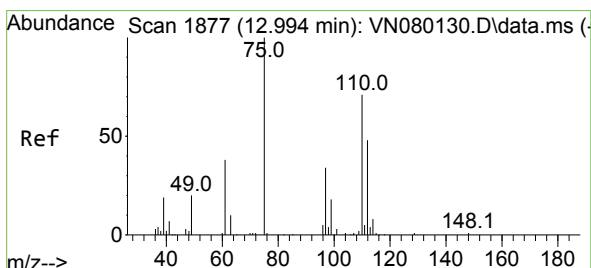
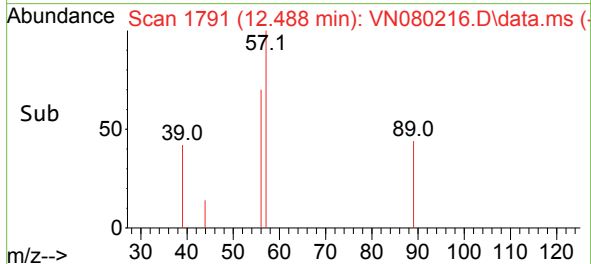
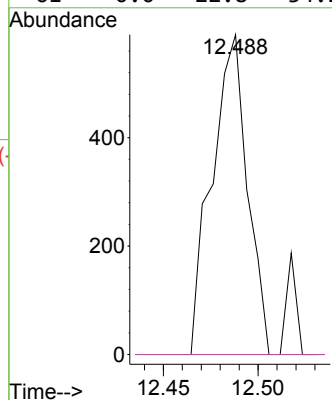
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 26.693 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN080216.D

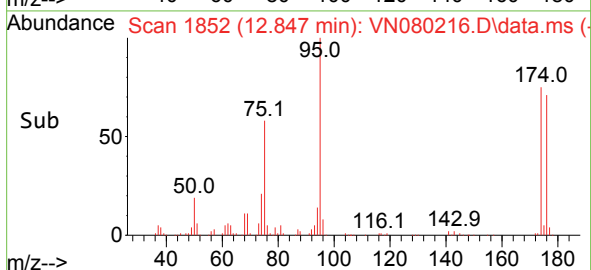
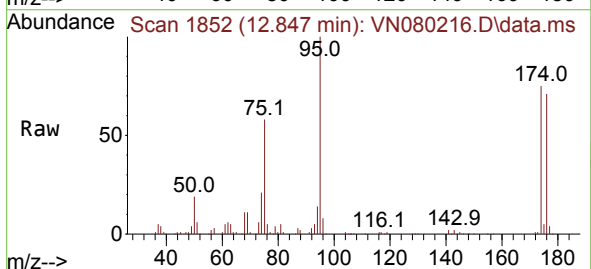
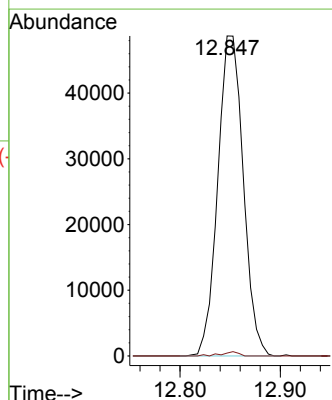
Acq: 20 Nov 2023 18:34

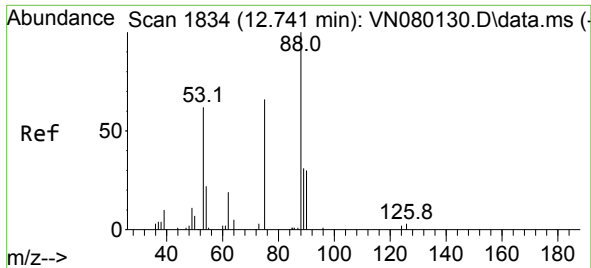
Tgt Ion: 75 Resp: 86030

Ion Ratio Lower Upper

75 100

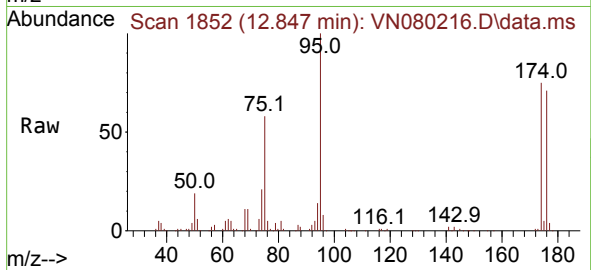
77 0.9 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 90.186 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN080216.D
Acq: 20 Nov 2023 18:34

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 86030
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

