

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082289.D
 Acq On : 22 May 2024 13:28
 Operator : JC\MD
 Sample : PB161037ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:52:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	198771	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	357138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	345326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	148236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	160174	51.033	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.060%	
35) Dibromofluoromethane	8.171	113	113345	51.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.180%	
50) Toluene-d8	10.571	98	455071	54.028	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.060%	
62) 4-Bromofluorobenzene	12.853	95	165009	54.887	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 109.780%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	687	0.391	ug/l #	75
11) Tert butyl alcohol	5.530	59	112	0.222	ug/l #	71
16) Acetone	4.436	43	21917	17.023	ug/l	94
18) Methyl Acetate	5.030	43	2477	0.773	ug/l #	47
20) Methylene Chloride	5.277	84	11090	4.269	ug/l	86
25) 2-Butanone	7.500	43	1820	0.932	ug/l	97
31) Cyclohexane	8.224	56	5836	1.164	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	18796	5.101	ug/l #	49
37) Ethyl Acetate	7.565	43	5103	1.238	ug/l #	86
38) Carbon Tetrachloride	8.230	117	21874	5.856	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1113	0.263	ug/l #	73
43) Isopropyl Acetate	8.694	43	292858	40.081	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	1859	0.656	ug/l #	45
48) Methyl methacrylate	9.741	41	169334	48.637	ug/l #	37
49) 1,4-Dioxane	9.747	88	119	2.439	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	152532	36.742	ug/l #	42
53) t-1,3-Dichloropropene	10.729	75	1025	0.252	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	57886	13.457	ug/l #	75
56) Ethyl methacrylate	10.988	69	1278	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7232	1.614	ug/l #	42
59) 2-Hexanone	11.206	43	121529	39.981	ug/l #	46
74) N-amyl acetate	12.488	43	1981	0.306	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	96366	30.886	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	96366	72.242	ug/l #	12

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

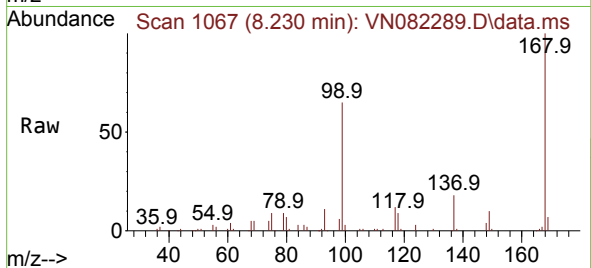
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



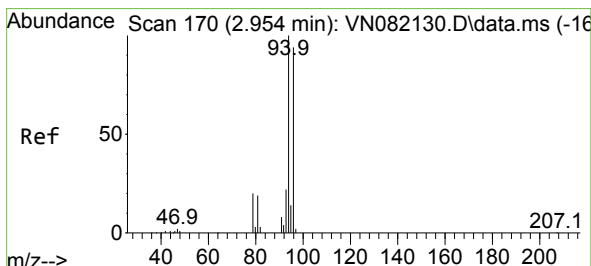
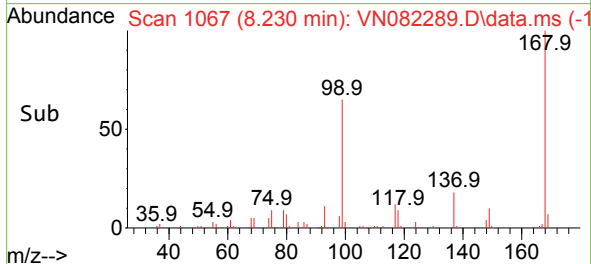
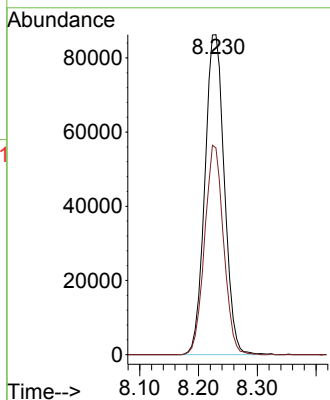


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

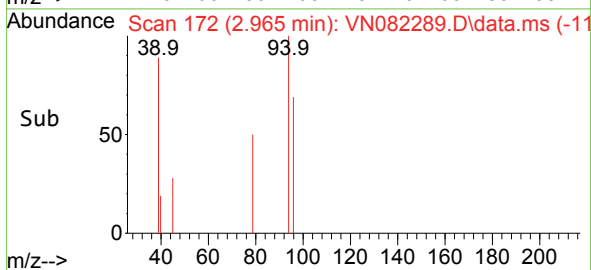
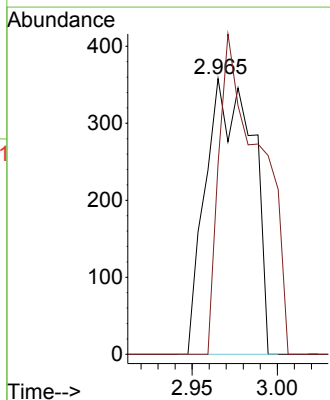
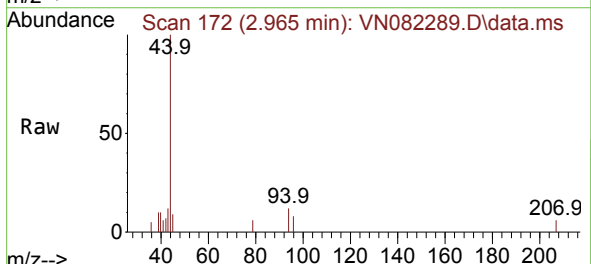


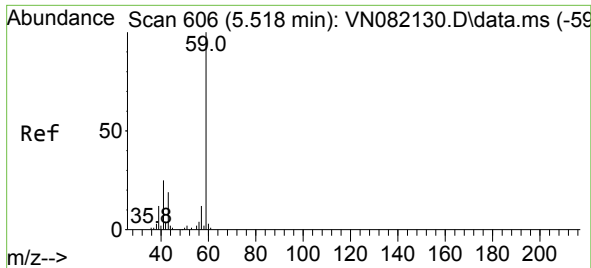
Tgt Ion:168 Resp: 198771
Ion Ratio Lower Upper
168 100
99 64.6 48.2 72.4



#5
Bromomethane
Concen: 0.391 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.012 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Tgt Ion: 94 Resp: 687
Ion Ratio Lower Upper
94 100
96 69.0 74.8 112.2#

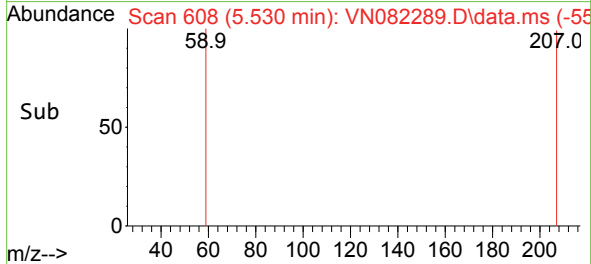
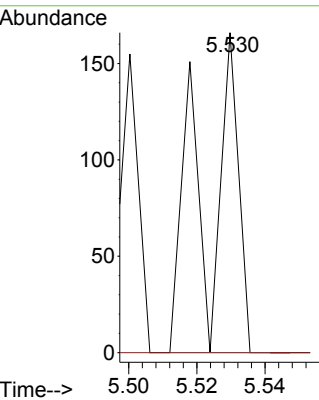
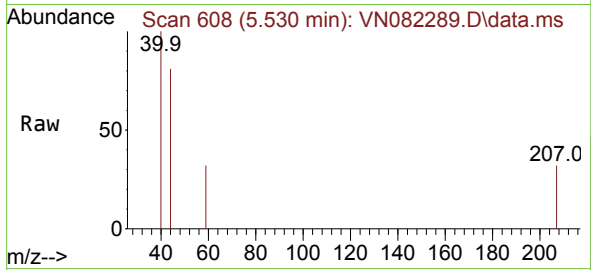




#11
Tert butyl alcohol
Concen: 0.222 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

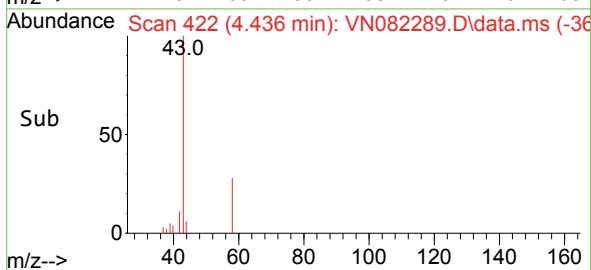
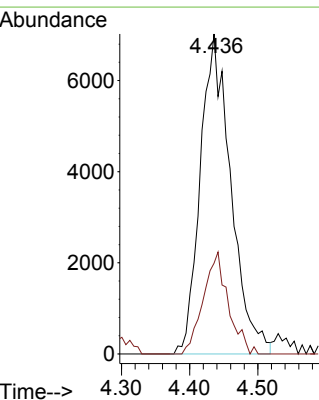
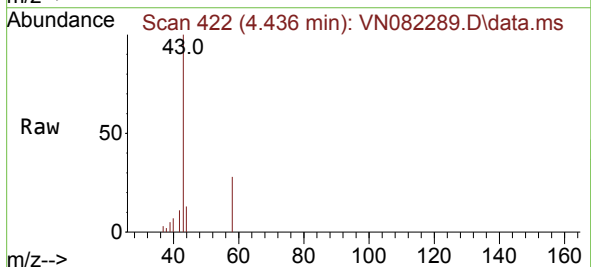
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#16
Acetone
Concen: 17.023 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

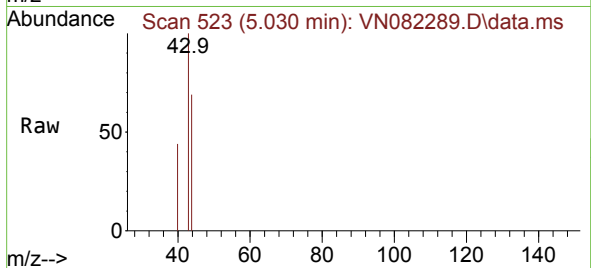
Tgt Ion: 43 Resp: 21917
Ion Ratio Lower Upper
43 100
58 28.3 25.2 37.8



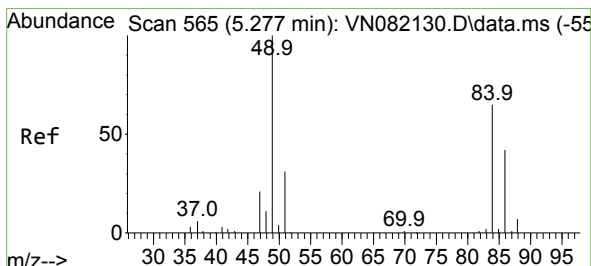
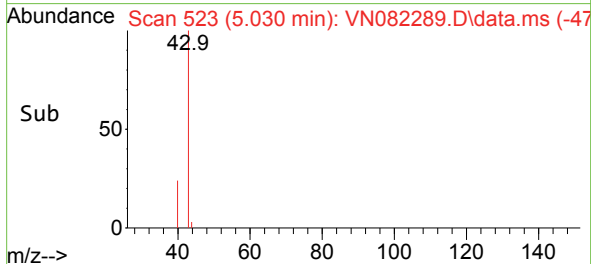
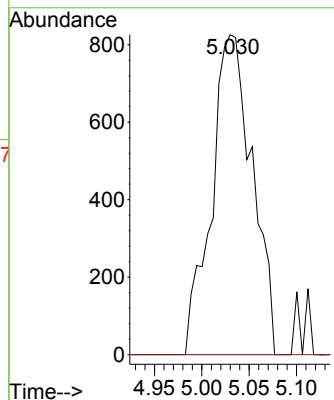


#18
Methyl Acetate
Concen: 0.773 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

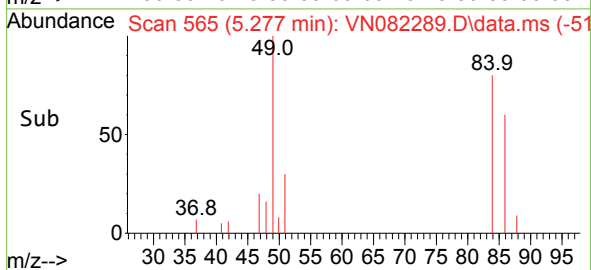
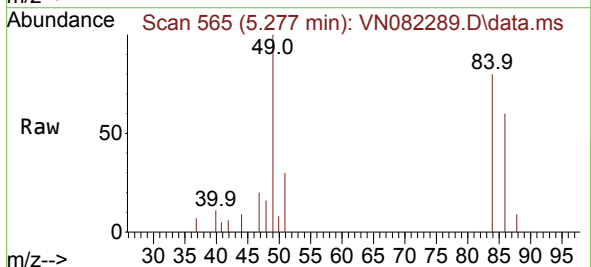
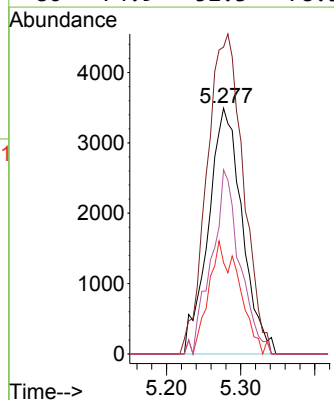


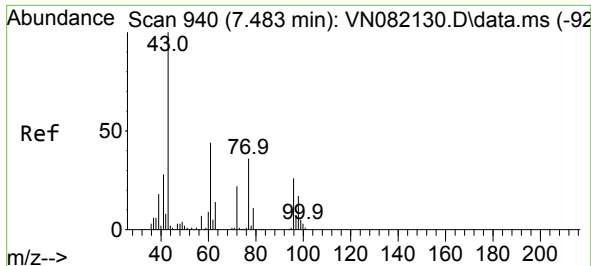
Tgt Ion: 43 Resp: 2477
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#20
Methylene Chloride
Concen: 4.269 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

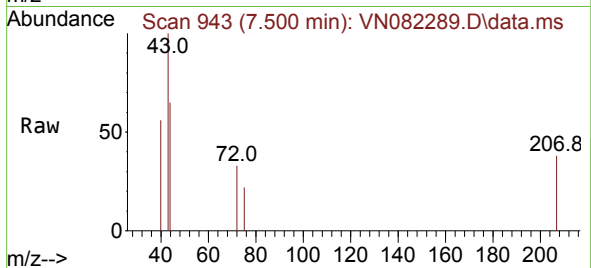
Tgt Ion: 84 Resp: 11090
Ion Ratio Lower Upper
84 100
49 124.9 84.9 127.3
51 37.2 27.0 40.6
86 74.9 52.3 78.5



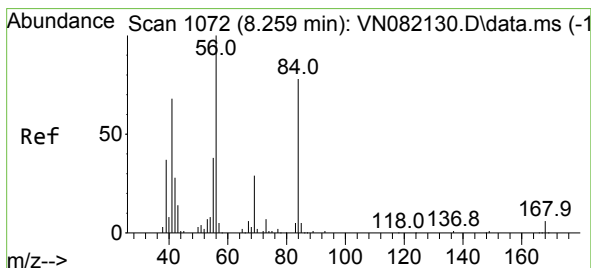
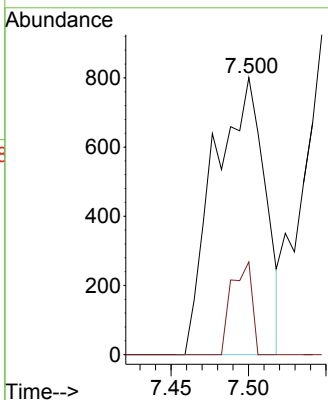
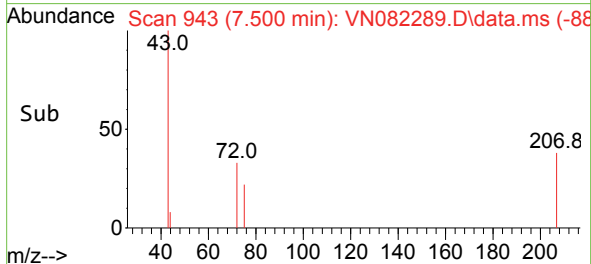


#25
2-Butanone
Concen: 0.932 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

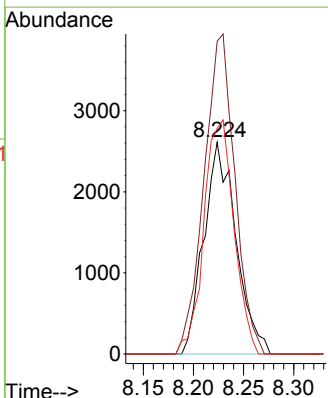
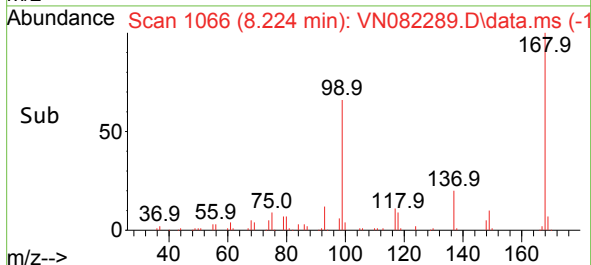
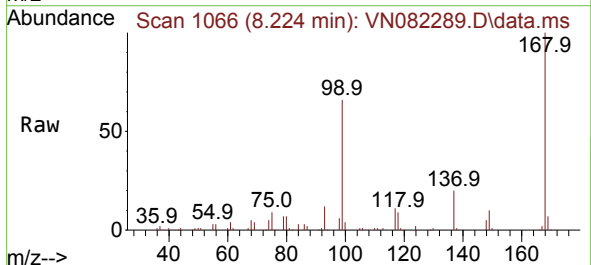


Tgt Ion: 43 Resp: 1820
Ion Ratio Lower Upper
43 100
72 33.5 25.3 37.9



#31
Cyclohexane
Concen: 1.164 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Tgt Ion: 56 Resp: 5836
Ion Ratio Lower Upper
56 100
69 147.6 24.4 36.6#
84 106.4 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 51.033 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

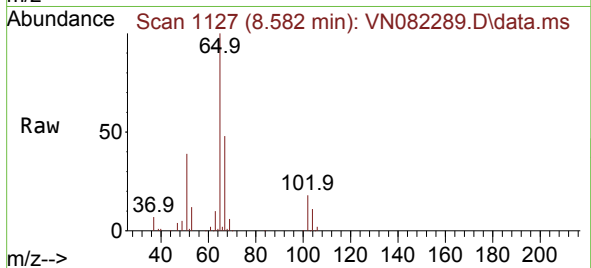
Lab File: VN082289.D

Acq: 22 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

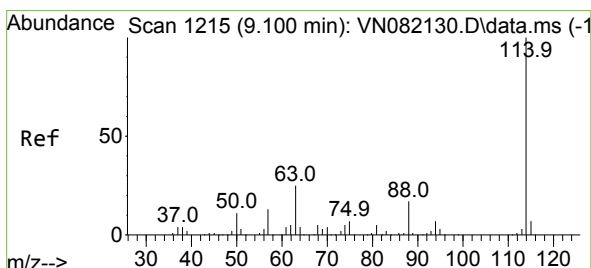
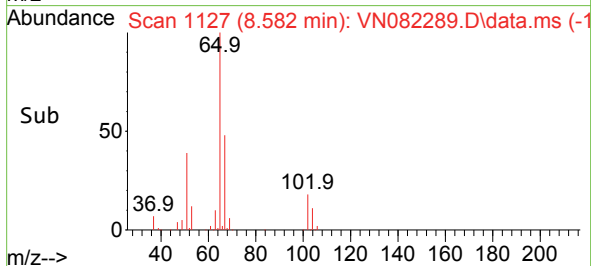
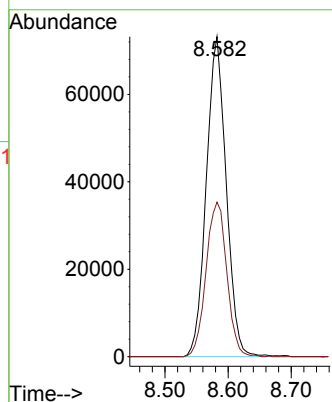


Tgt Ion: 65 Resp: 160174

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082289.D

Acq: 22 May 2024 13:28

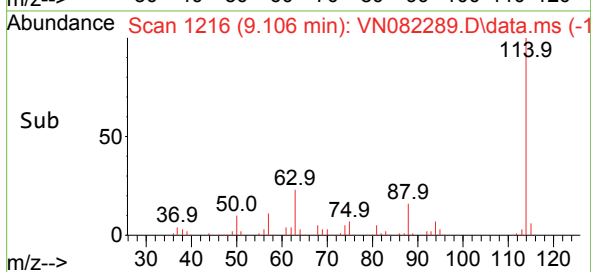
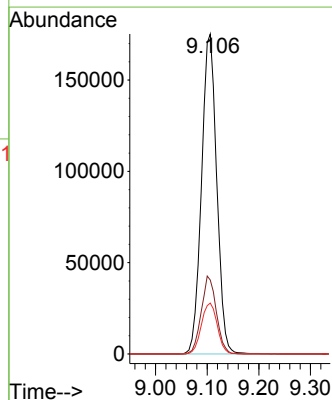
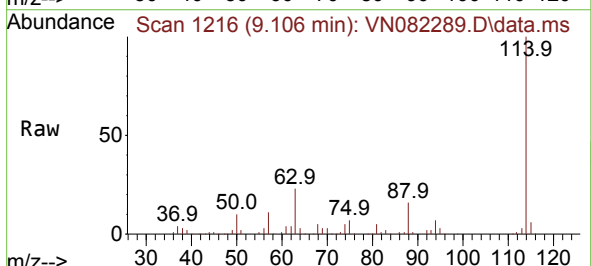
Tgt Ion: 114 Resp: 357138

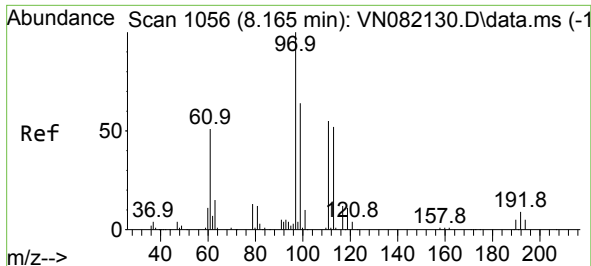
Ion Ratio Lower Upper

114 100

63 23.1 0.0 41.0

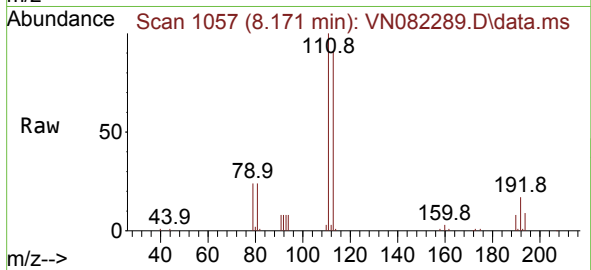
88 15.9 0.0 31.4



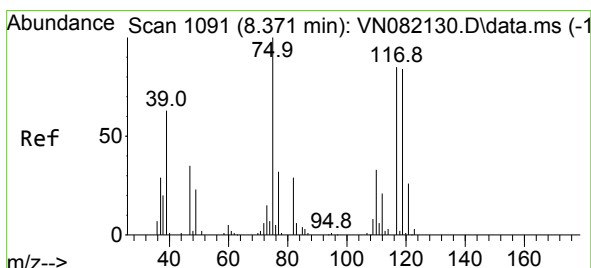
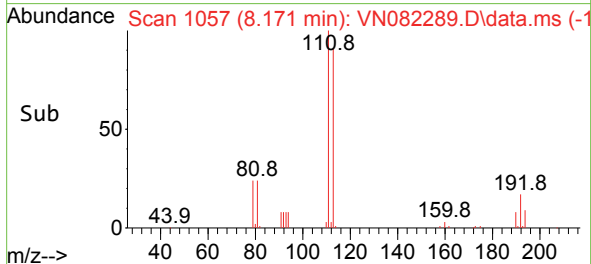
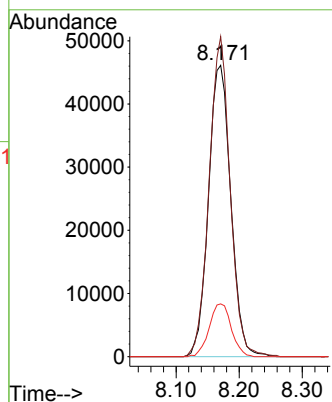


#35
Dibromofluoromethane
Concen: 51.592 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

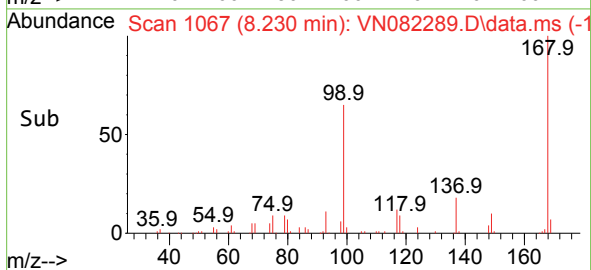
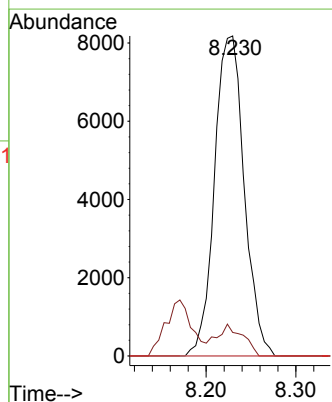
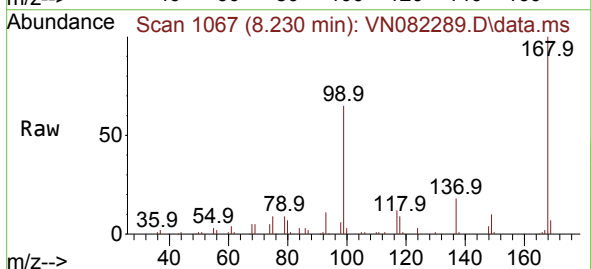


Tgt Ion:113 Resp: 113345
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.2
192 18.0 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.101 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

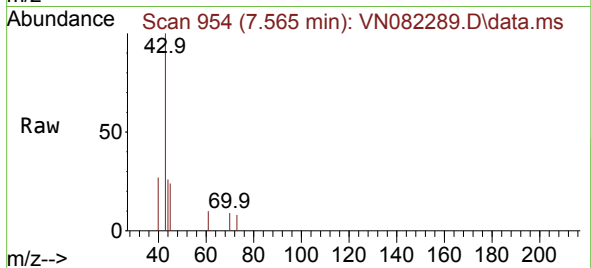
Tgt Ion: 75 Resp: 18796
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 25.0 37.4#



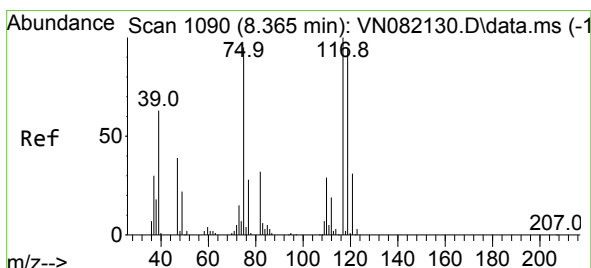
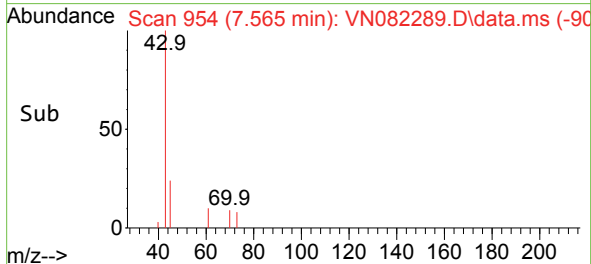
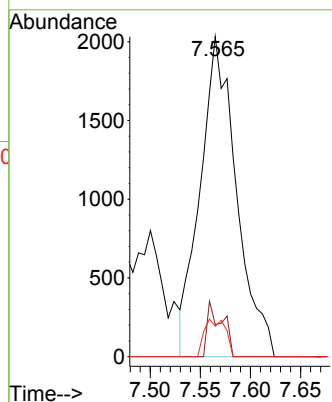


#37
Ethyl Acetate
Concen: 1.238 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

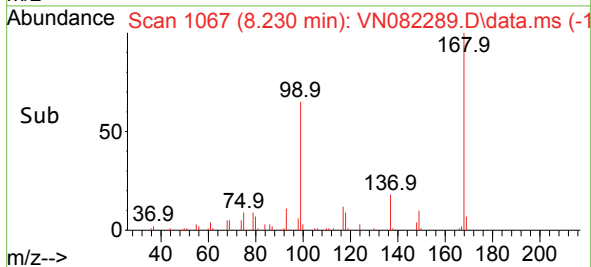
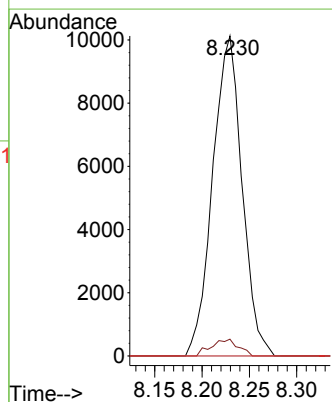
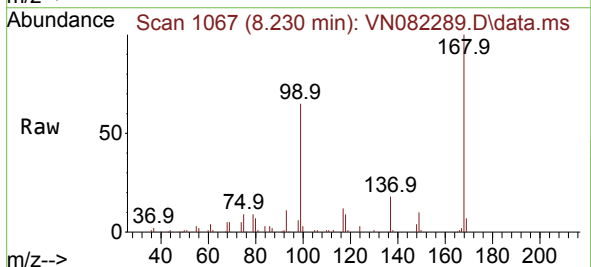


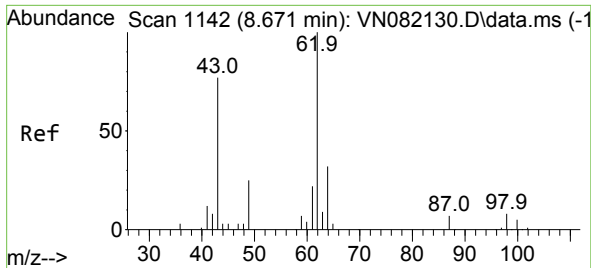
Tgt Ion: 43 Resp: 5103
Ion Ratio Lower Upper
43 100
61 7.1 11.3 16.9#
70 6.8 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.856 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Tgt Ion: 117 Resp: 21874
Ion Ratio Lower Upper
117 100
119 5.2 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.263 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082289.D

Acq: 22 May 2024 13:28

Instrument :

MSVOA_N

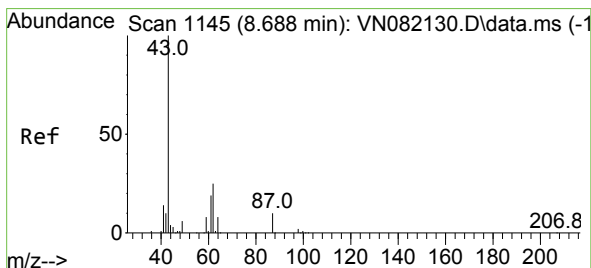
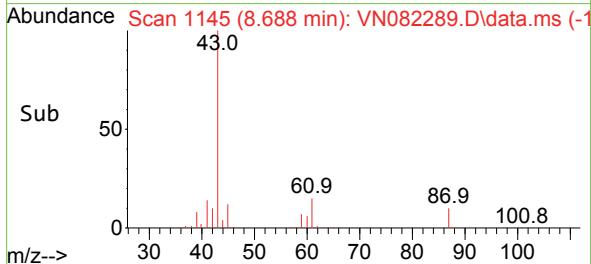
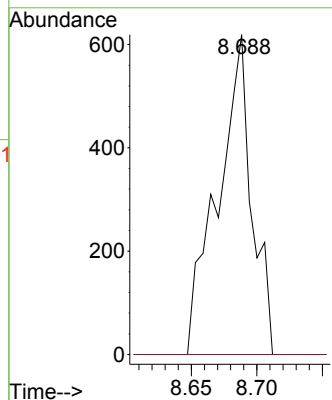
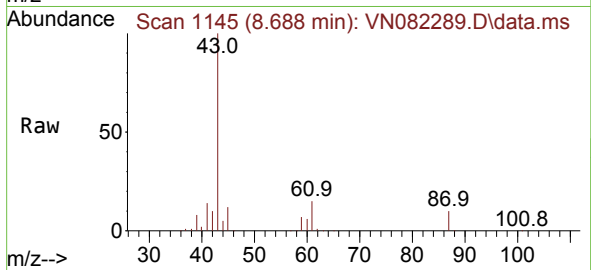
ClientSampleId :

Tgt Ion: 62 Resp: 1113

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 40.081 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082289.D

Acq: 22 May 2024 13:28

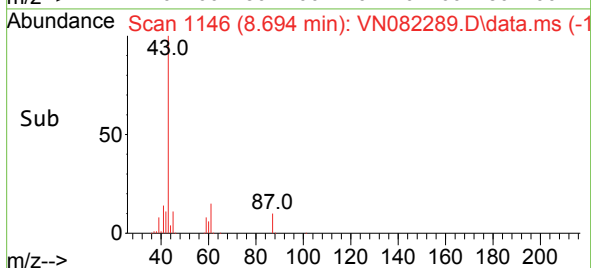
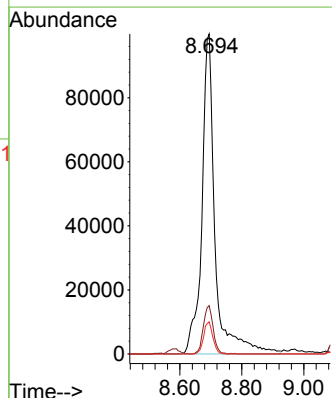
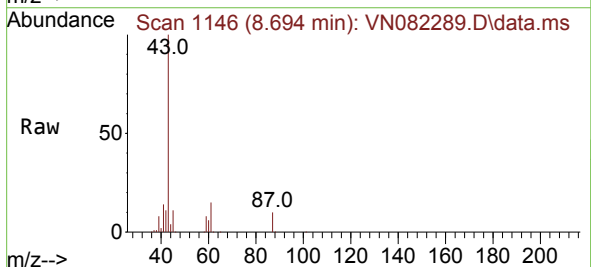
Tgt Ion: 43 Resp: 292858

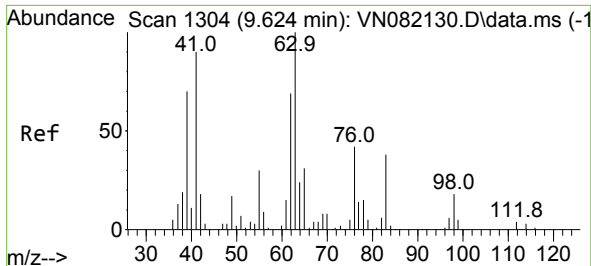
Ion Ratio Lower Upper

43 100

61 11.3 22.8 34.2#

87 7.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.656 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082289.D

Acq: 22 May 2024 13:28

Instrument :

MSVOA_N

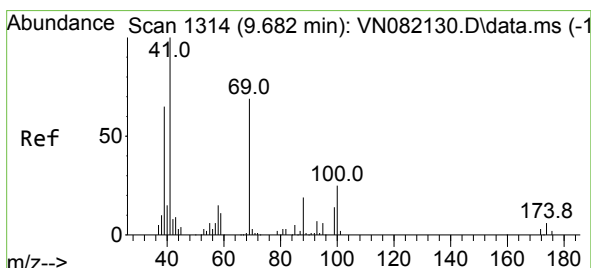
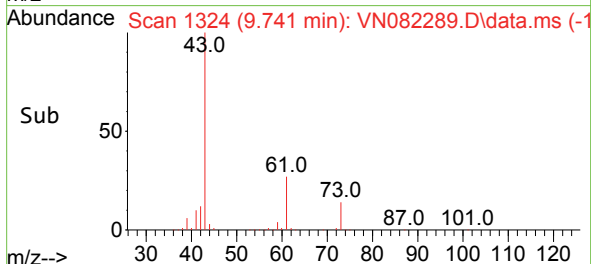
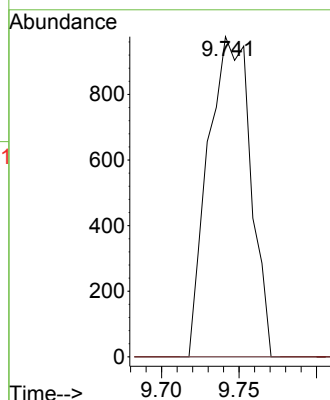
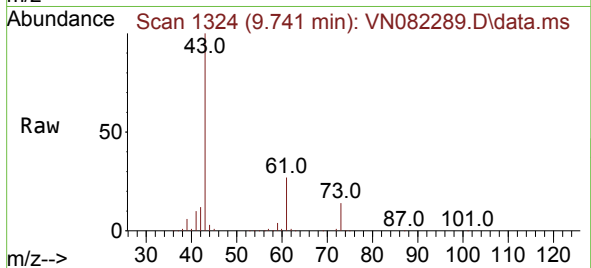
ClientSampleId :

Tgt Ion: 63 Resp: 1859

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 48.637 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.059 min

Lab File: VN082289.D

Acq: 22 May 2024 13:28

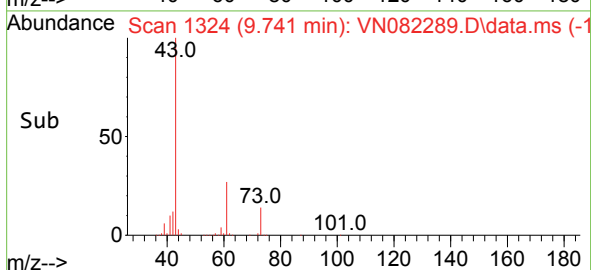
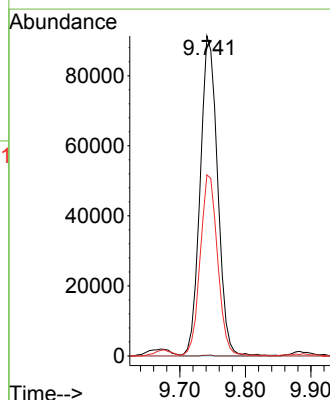
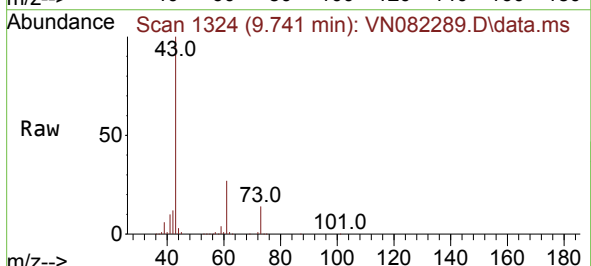
Tgt Ion: 41 Resp: 169334

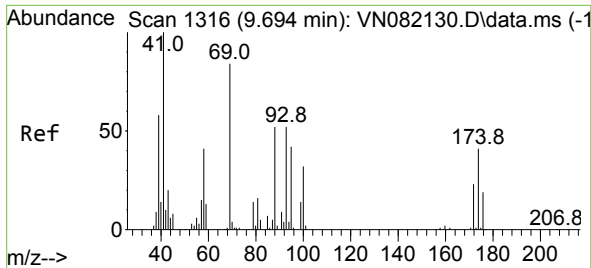
Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

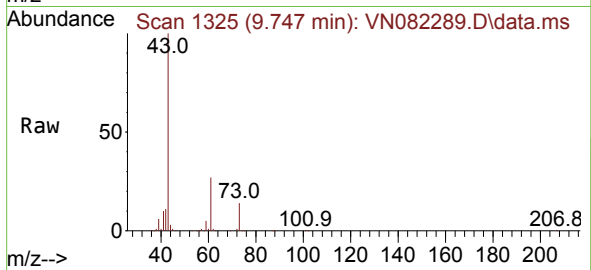
39 56.7 50.9 76.3



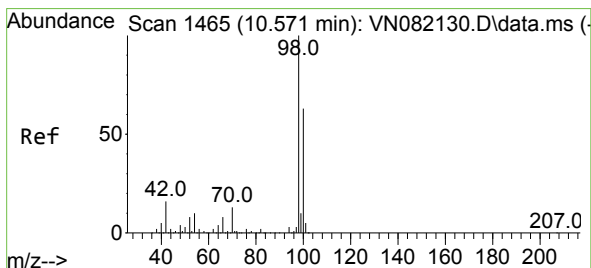
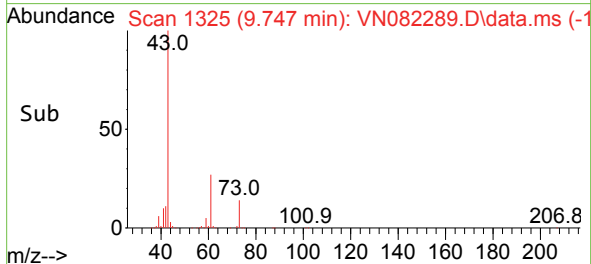
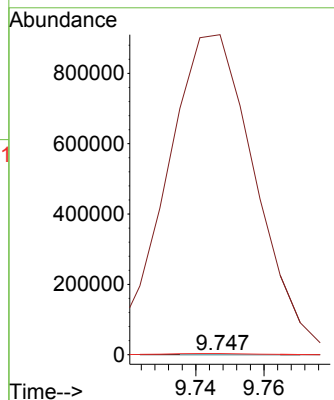


#49
1,4-Dioxane
Concen: 2.439 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

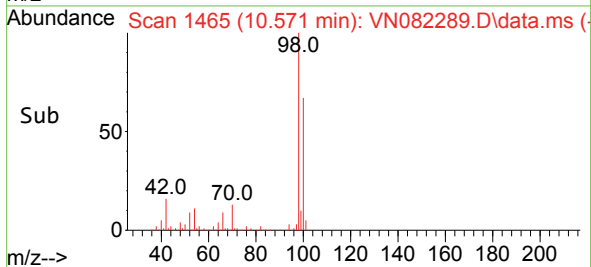
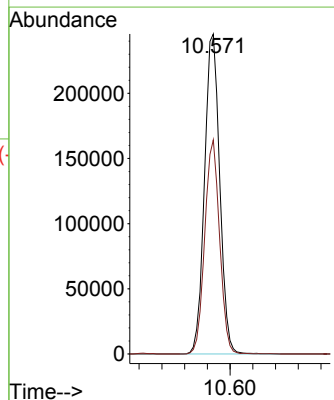
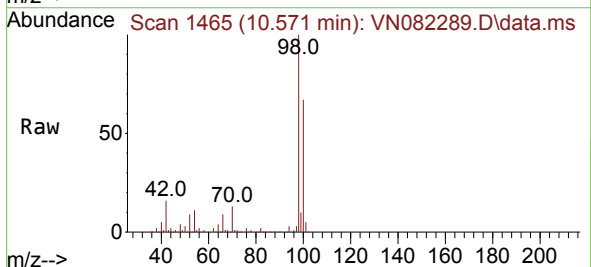


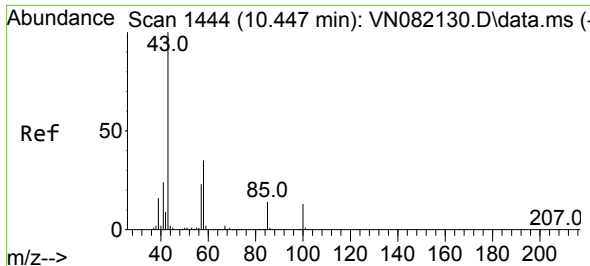
Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 1406779.0 19.0 28.6#
58 5236.1 50.6 76.0#



#50
Toluene-d8
Concen: 54.028 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

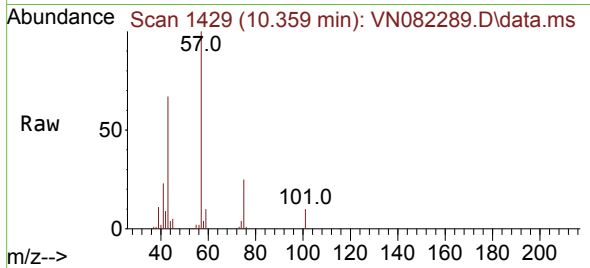
Tgt Ion: 98 Resp: 455071
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



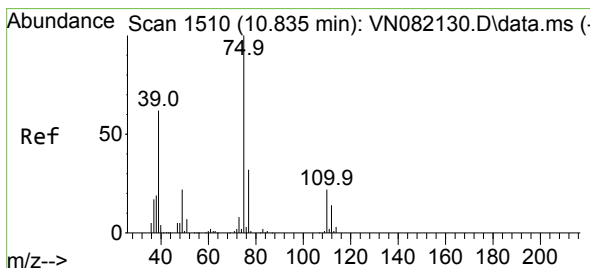
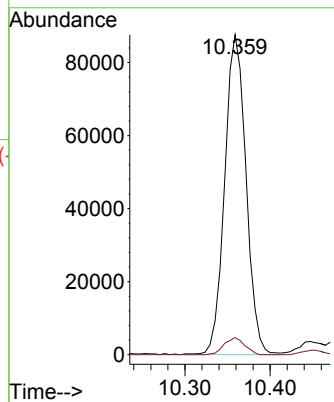
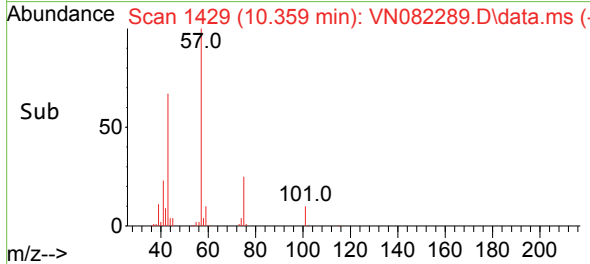


#51
4-Methyl-2-Pentanone
Concen: 36.742 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

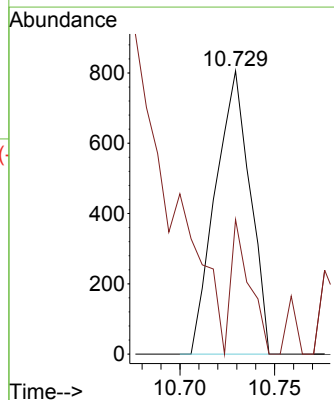
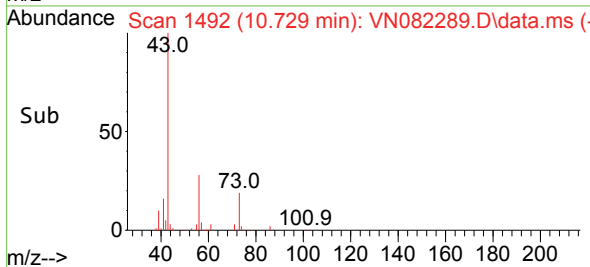
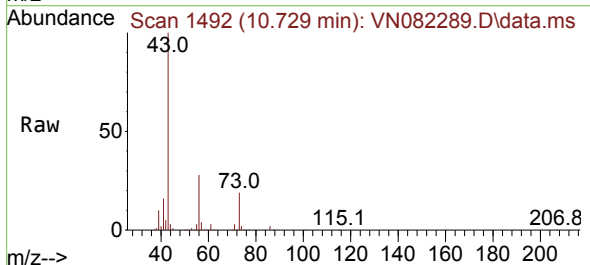


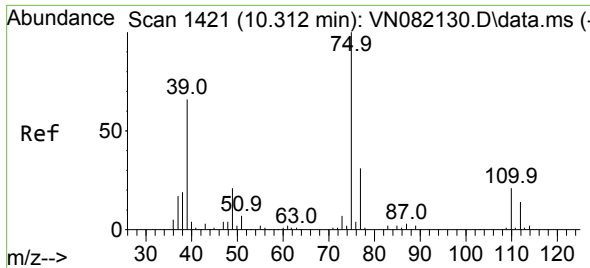
Tgt Ion: 43 Resp: 152532
Ion Ratio Lower Upper
43 100
58 5.1 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.252 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Tgt Ion: 75 Resp: 1025
Ion Ratio Lower Upper
75 100
77 47.5 25.4 38.0#

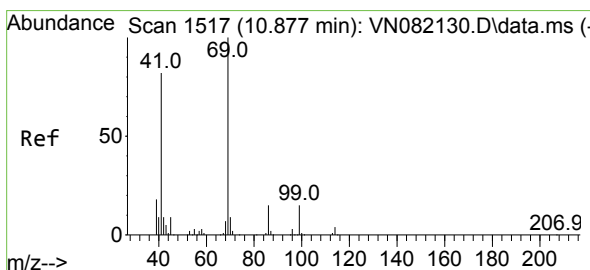
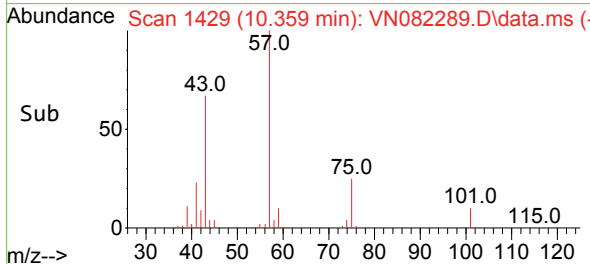
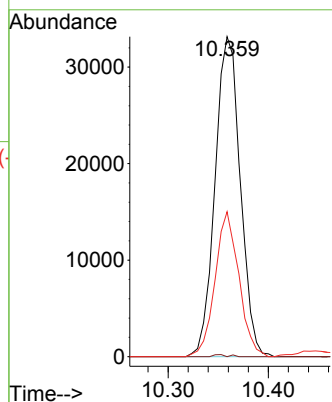
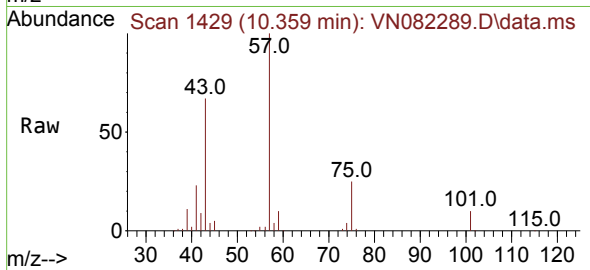




#54
 cis-1,3-Dichloropropene
 Concen: 13.457 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082289.D
 Acq: 22 May 2024 13:28

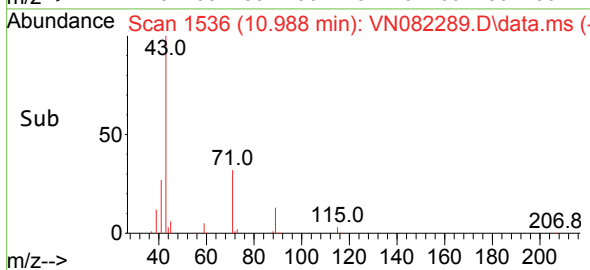
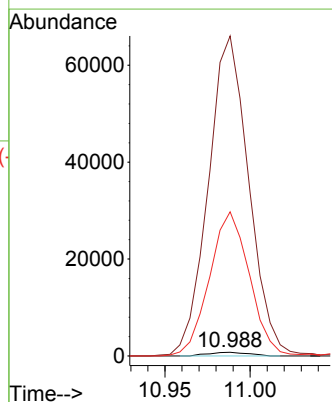
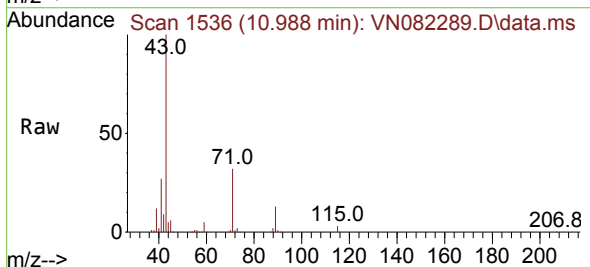
Instrument :
 MSVOA_N
 ClientSampleId :

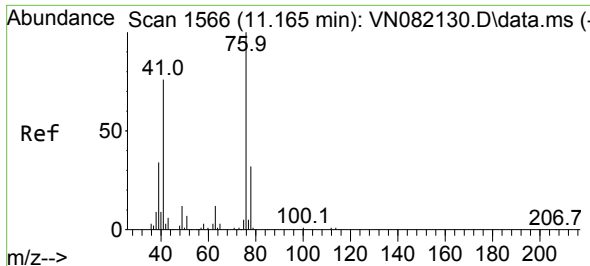
Tgt Ion: 75 Resp: 57886
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 45.3 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.314 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082289.D
 Acq: 22 May 2024 13:28

Tgt Ion: 69 Resp: 1278
 Ion Ratio Lower Upper
 69 100
 41 8584.9 46.6 70.0#
 39 3817.1 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.614 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

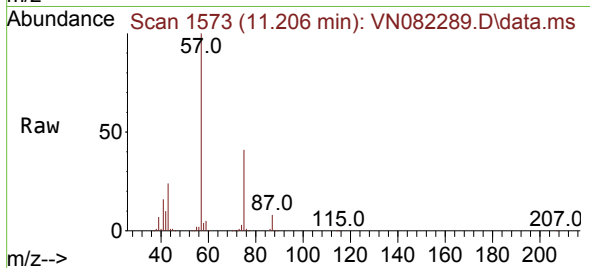
Lab File: VN082289.D

Acq: 22 May 2024 13:28

Instrument :

MSVOA_N

ClientSampleId :

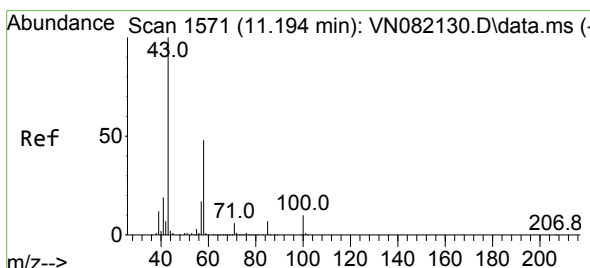
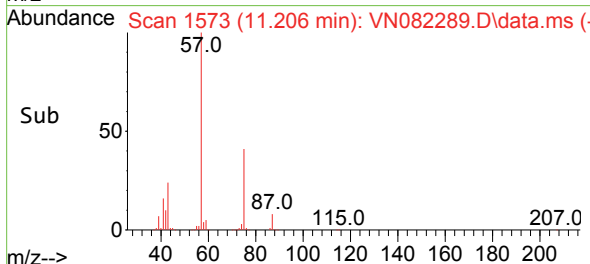
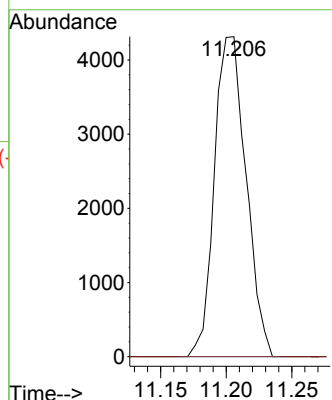


Tgt Ion: 76 Resp: 7232

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 39.981 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082289.D

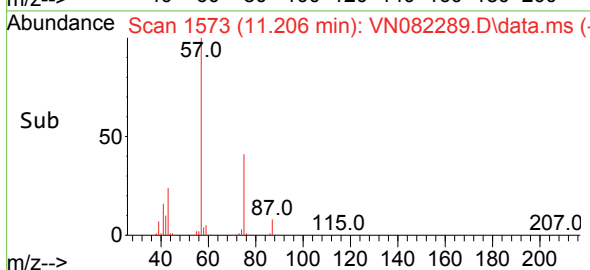
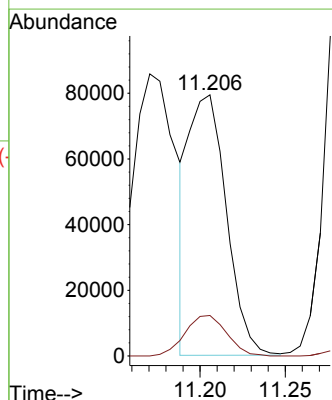
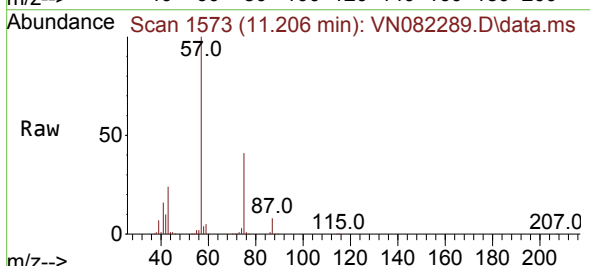
Acq: 22 May 2024 13:28

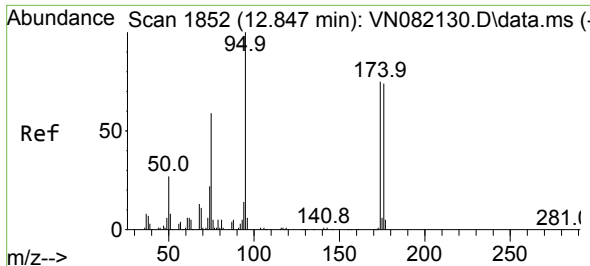
Tgt Ion: 43 Resp: 121529

Ion Ratio Lower Upper

43 100

58 17.2 28.3 84.9#

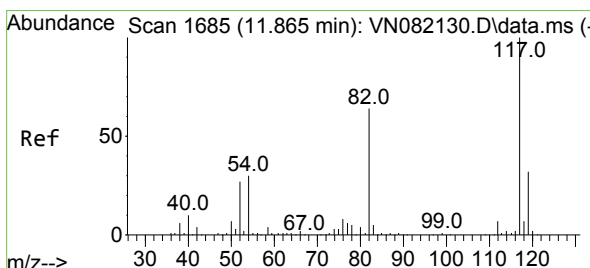
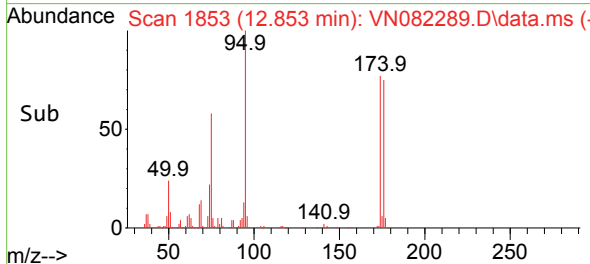
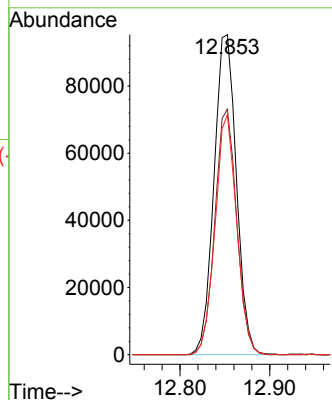
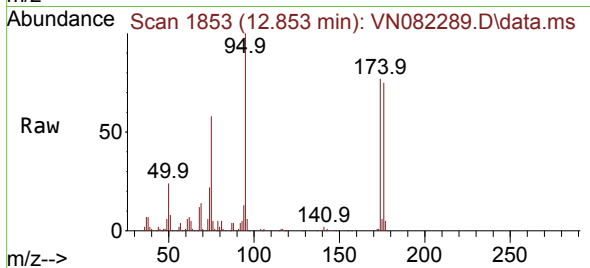




#62
4-Bromofluorobenzene
Concen: 54.887 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

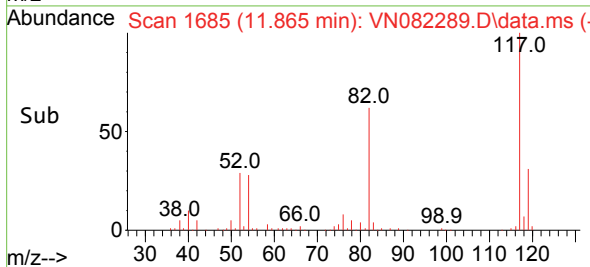
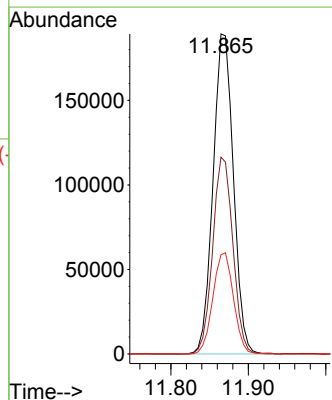
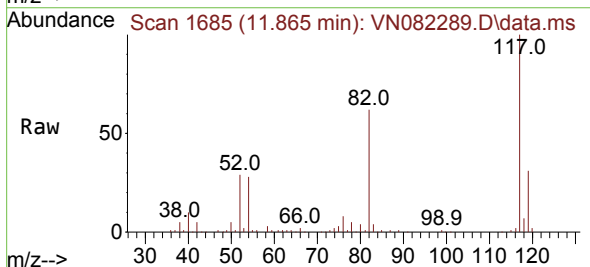
Instrument :
MSVOA_N
ClientSampleId :

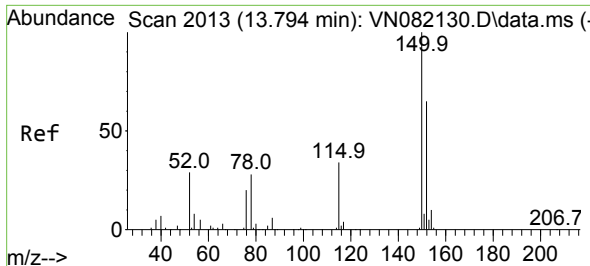
Tgt Ion: 95 Resp: 165009
Ion Ratio Lower Upper
95 100
174 74.7 0.0 160.6
176 72.3 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

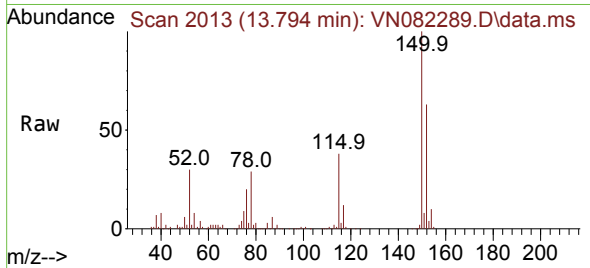
Tgt Ion: 117 Resp: 345326
Ion Ratio Lower Upper
117 100
82 61.5 44.6 66.8
119 31.0 25.9 38.9



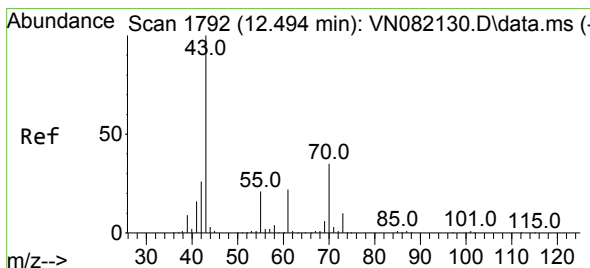
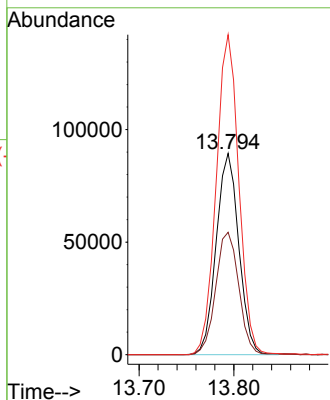
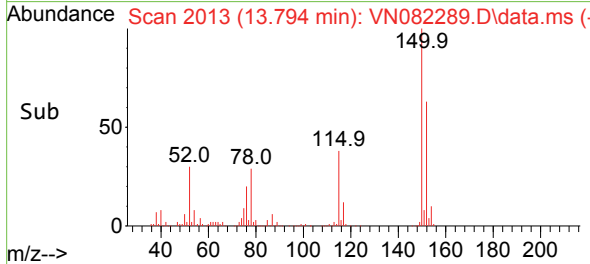


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

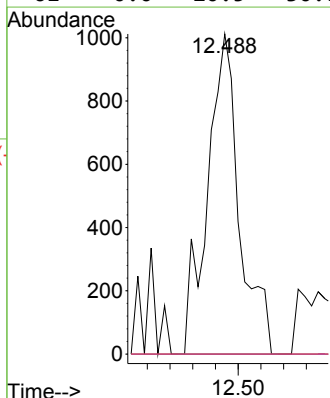
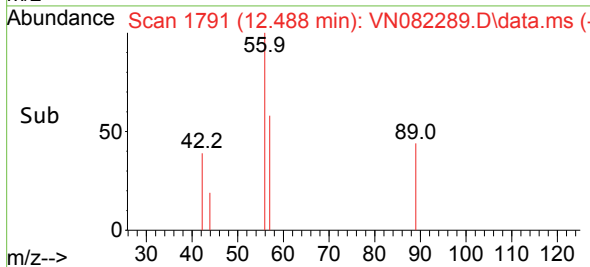
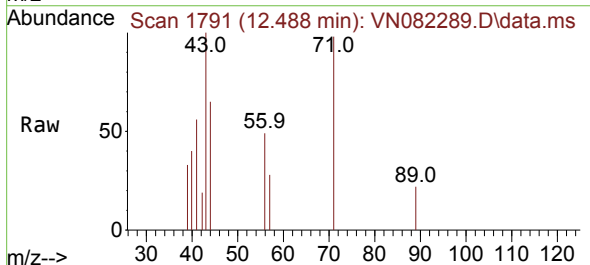


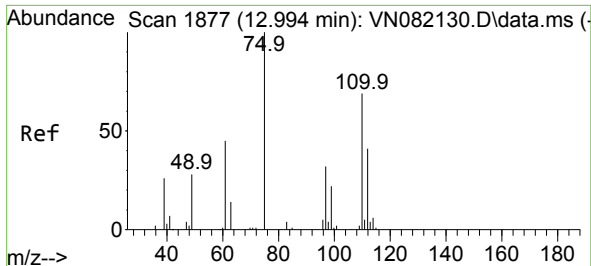
Tgt Ion:152 Resp: 148236
Ion Ratio Lower Upper
152 100
115 62.2 30.4 91.3
150 159.3 0.0 353.2



#74
N-ethyl acetate
Concen: 0.306 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#

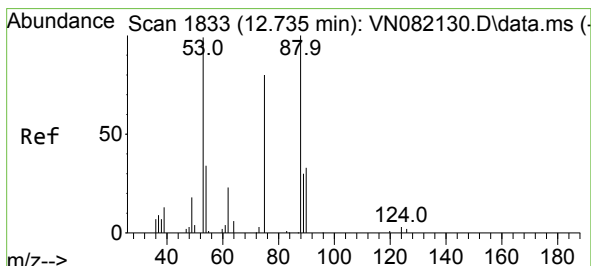
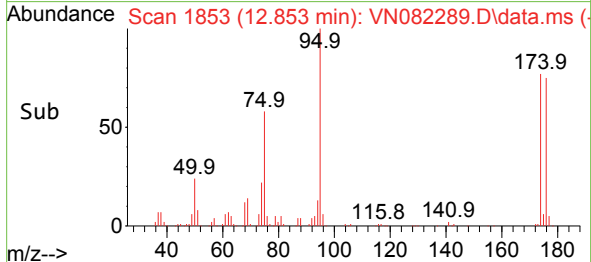
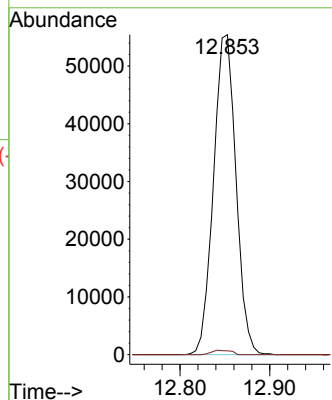
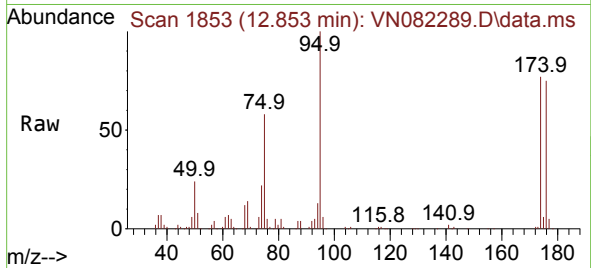




#76
1,2,3-Trichloropropane
Concen: 30.886 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 96366
Ion Ratio Lower Upper
75 100
77 1.2 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.242 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082289.D
Acq: 22 May 2024 13:28

Tgt Ion: 75 Resp: 96366
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

