

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
 Data File : VN082216.D
 Acq On : 20 May 2024 17:47
 Operator : JC\MD
 Sample : P2513-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-15

Quant Time: May 21 03:51:16 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)

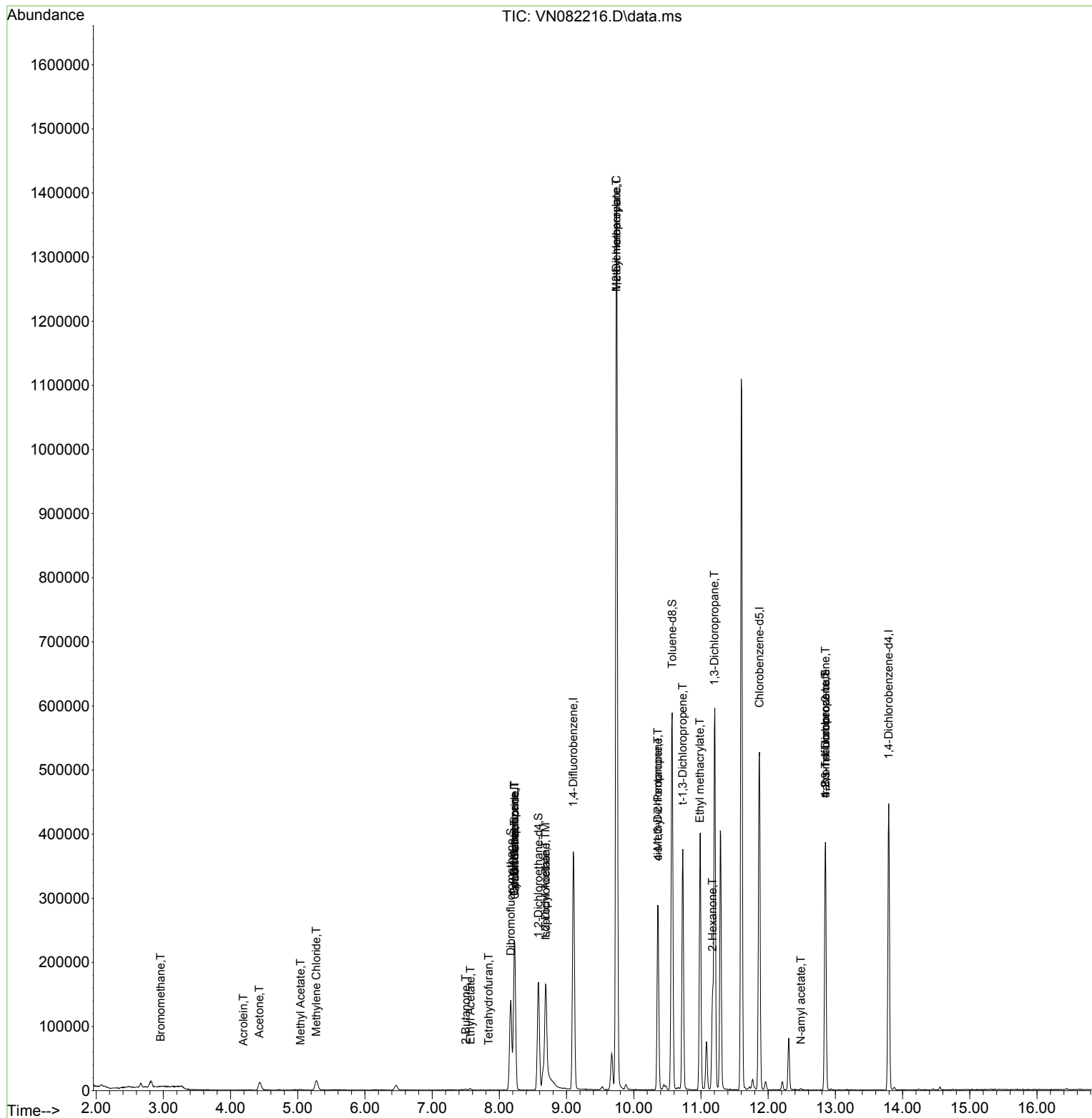
Internal Standards						
1) Pentafluorobenzene	8.224	168	165509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292427	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	282100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	138741	53.088	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.180%			
35) Dibromofluoromethane	8.171	113	98241	54.612	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.220%			
50) Toluene-d8	10.570	98	379559	55.034	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.060%			
62) 4-Bromofluorobenzene	12.853	95	124866	50.725	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.460%			
Target Compounds					Qvalue	
5) Bromomethane	2.959	94	319	0.218	ug/l #	72
13) Acrolein	4.189	56	520	1.673	ug/l #	15
16) Acetone	4.430	43	25469	23.757	ug/l	93
18) Methyl Acetate	5.041	43	2582	0.967	ug/l #	78
20) Methylene Chloride	5.277	84	10198	4.715	ug/l #	81
25) 2-Butanone	7.500	43	2585	1.590	ug/l #	43
29) Tetrahydrofuran	7.841	42	445	0.426	ug/l #	29
31) Cyclohexane	8.224	56	4683	1.122	ug/l #	22
36) 1,1-Dichloropropene	8.224	75	15379	5.097	ug/l #	48
37) Ethyl Acetate	7.571	43	4288	1.270	ug/l #	70
38) Carbon Tetrachloride	8.229	117	18289	5.980	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	906	0.262	ug/l #	73
43) Isopropyl Acetate	8.688	43	259688	43.406	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	1473	0.635	ug/l #	45
48) Methyl methacrylate	9.741	41	139637	48.982	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	117139	34.461	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	924	0.278	ug/l #	79
54) cis-1,3-Dichloropropene	10.359	75	43611	12.382	ug/l #	77
56) Ethyl methacrylate	10.982	69	1658	0.498	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5519	1.504	ug/l #	42
59) 2-Hexanone	11.170	43	121514	48.822	ug/l #	23
74) N-amyl acetate	12.488	43	1377	0.290	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	73130	31.977	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73130	74.793	ug/l #	12

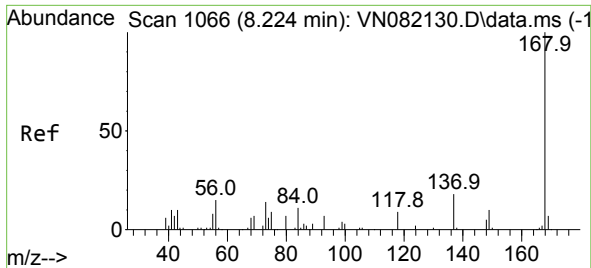
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052024\
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TP-15

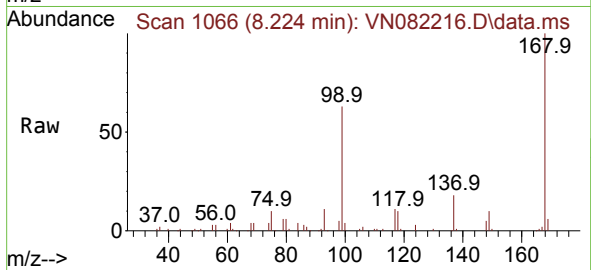
Quant Time: May 21 03:51:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
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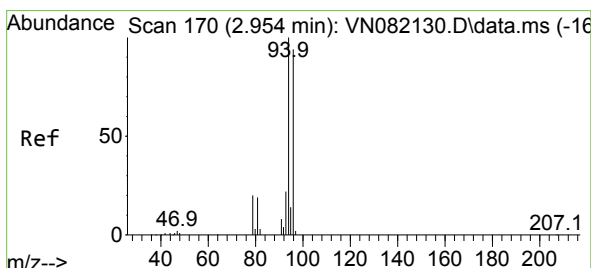
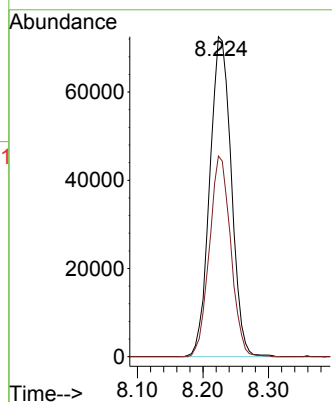
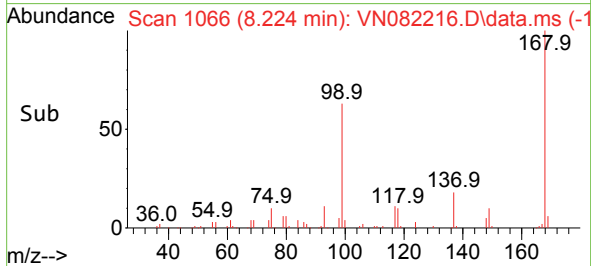


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Instrument :
MSVOA_N
ClientSampleId :
TP-15

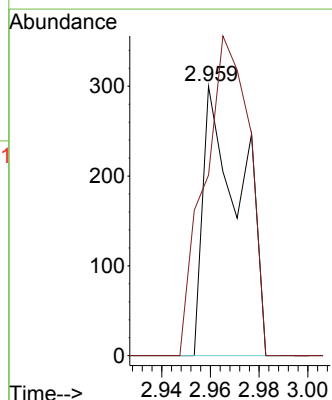
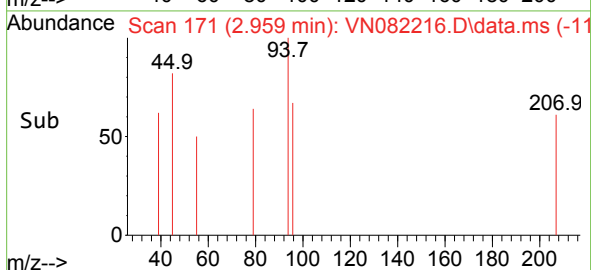
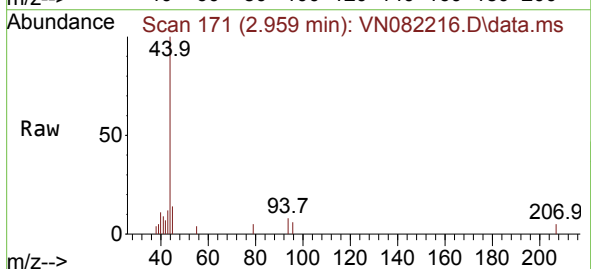


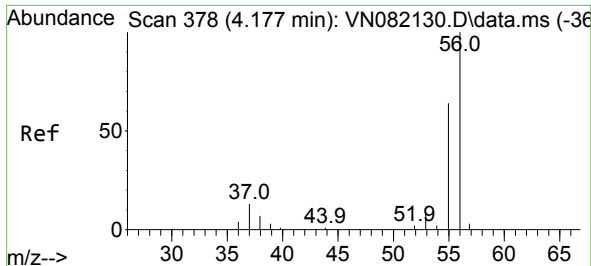
Tgt Ion:168 Resp: 165509
Ion Ratio Lower Upper
168 100
99 62.7 48.2 72.4



#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 67.0 74.8 112.2#

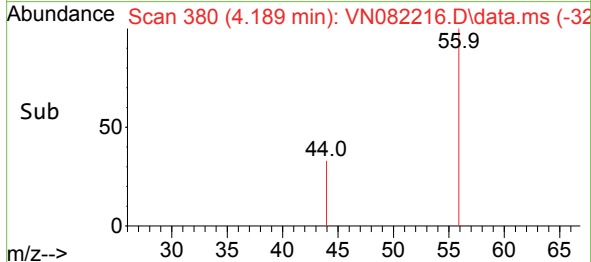
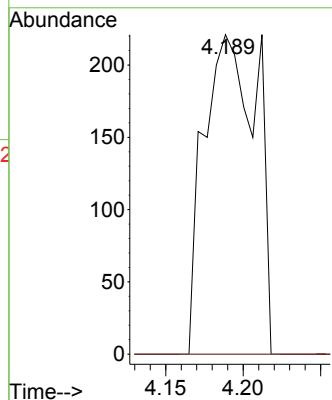
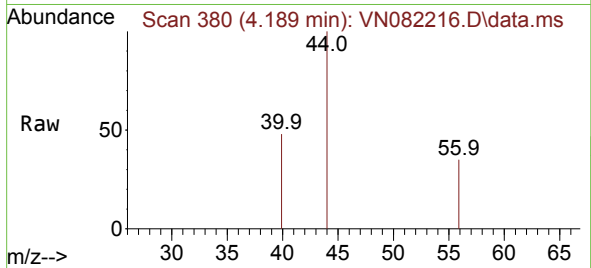




#13
Acrolein
Concen: 1.673 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

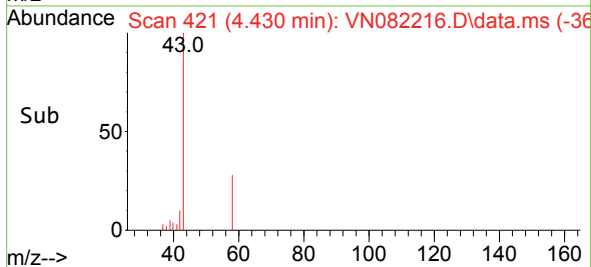
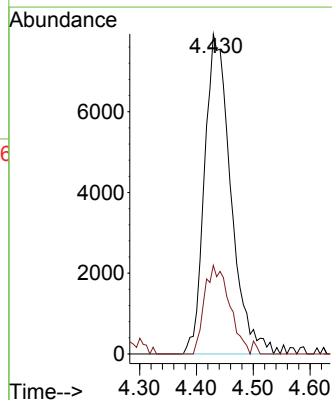
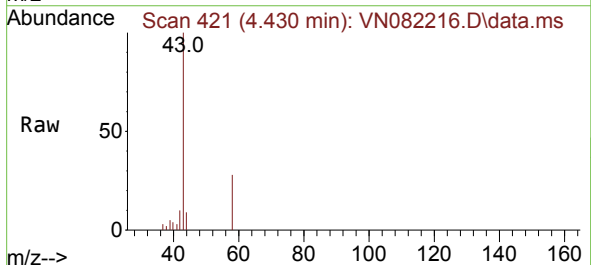
Instrument :
MSVOA_N
ClientSampleId :
TP-15

Tgt Ion: 56 Resp: 520
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 23.757 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 43 Resp: 25469
Ion Ratio Lower Upper
43 100
58 27.7 25.2 37.8

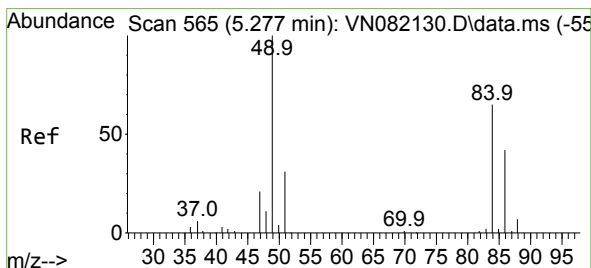
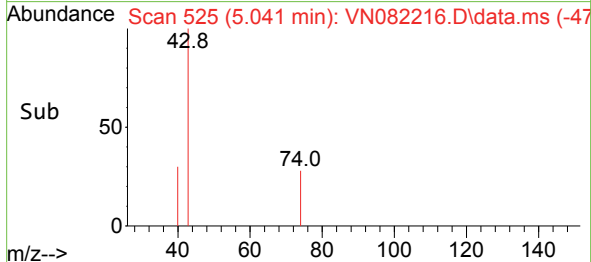
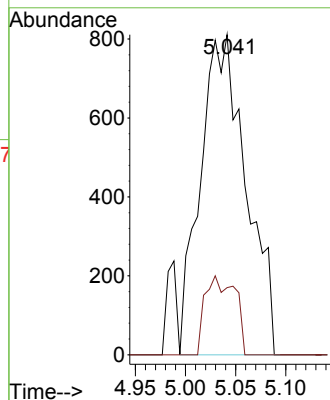
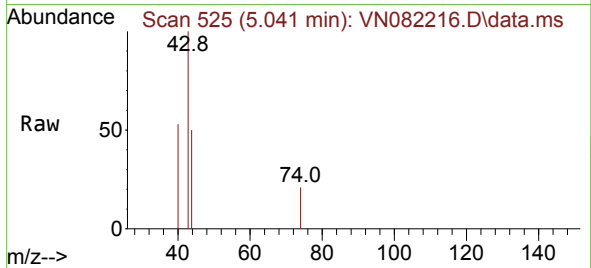




#18
Methyl Acetate
Concen: 0.967 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.017 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

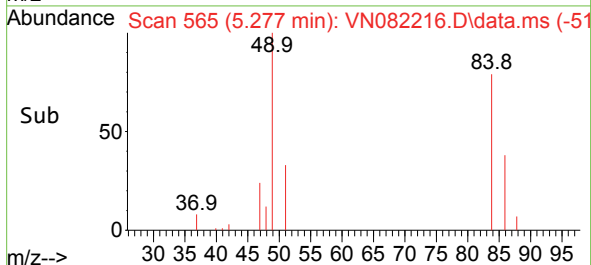
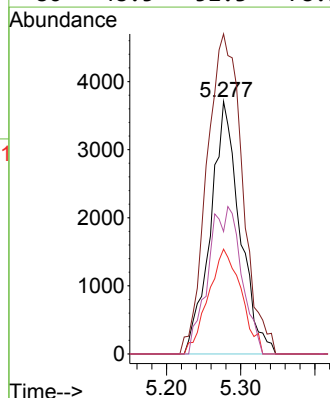
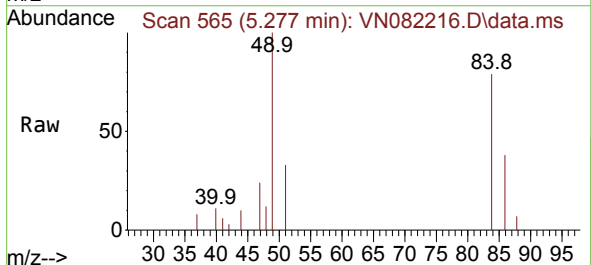
Instrument :
MSVOA_N
ClientSampleId :
TP-15

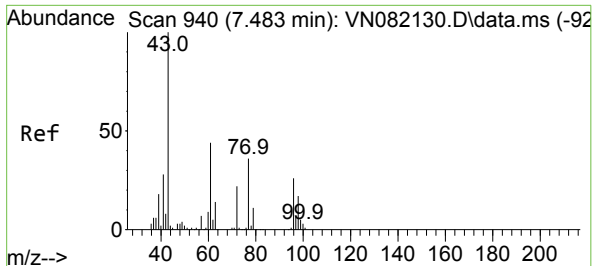
Tgt Ion: 43 Resp: 2582
Ion Ratio Lower Upper
43 100
74 16.1 22.2 33.2#



#20
Methylene Chloride
Concen: 4.715 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 84 Resp: 10198
Ion Ratio Lower Upper
84 100
49 126.7 84.9 127.3
51 41.5 27.0 40.6#
86 48.5 52.3 78.5#





#25

2-Butanone

Concen: 1.590 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.017 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :

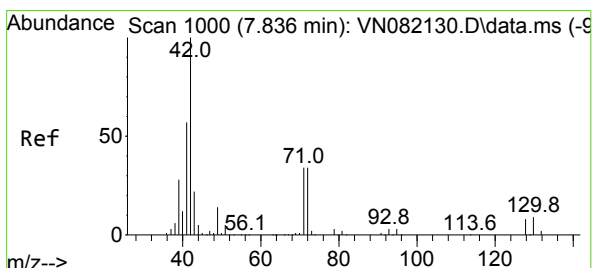
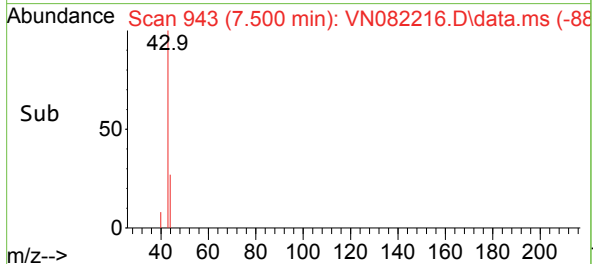
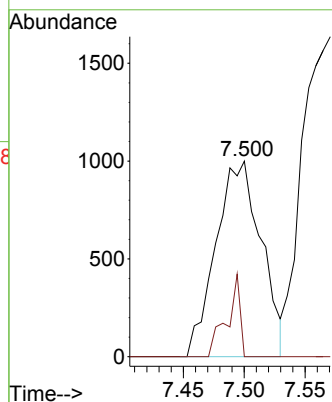
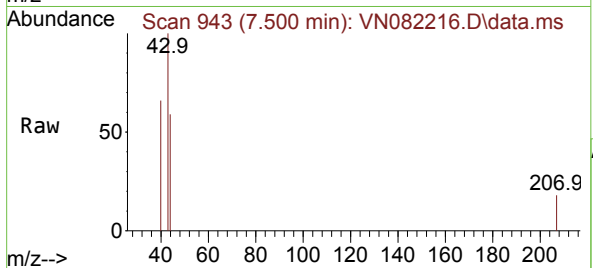
TP-15

Tgt Ion: 43 Resp: 2585

Ion Ratio Lower Upper

43 100

72 0.0 25.3 37.9#



#29

Tetrahydrofuran

Concen: 0.426 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.005 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

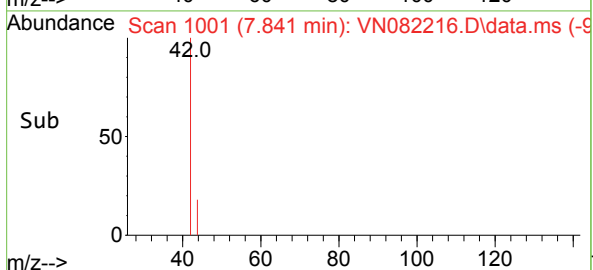
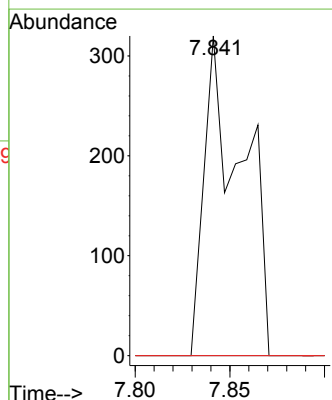
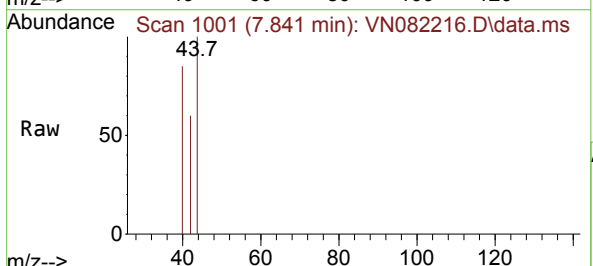
Tgt Ion: 42 Resp: 445

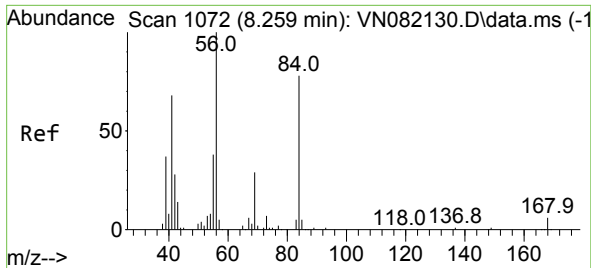
Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

71 0.0 37.4 56.0#

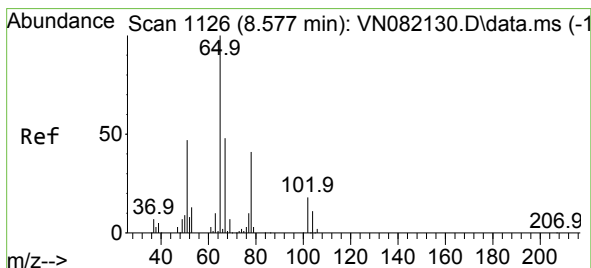
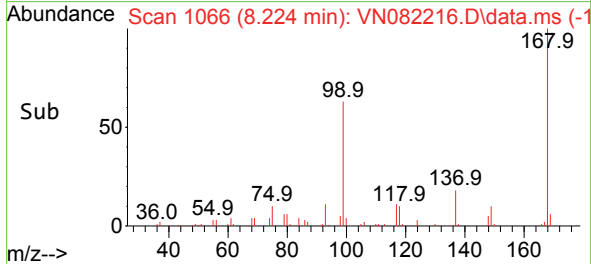
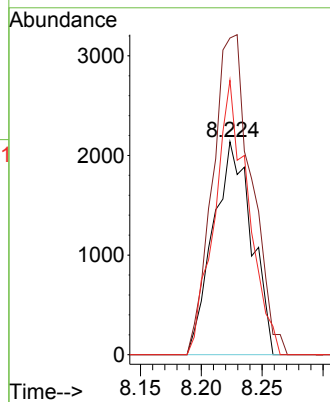
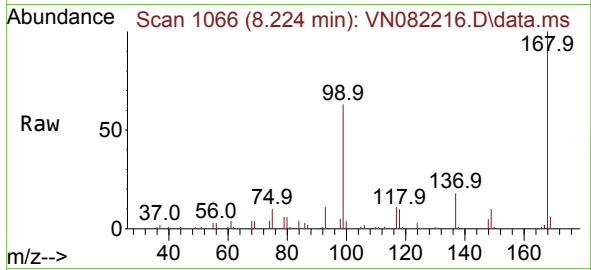




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

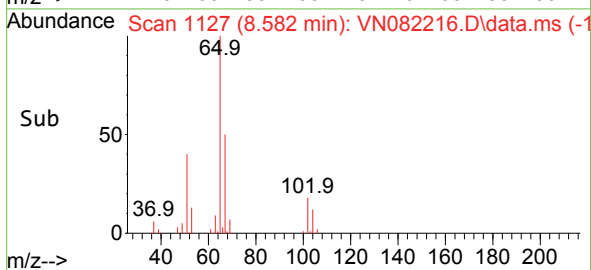
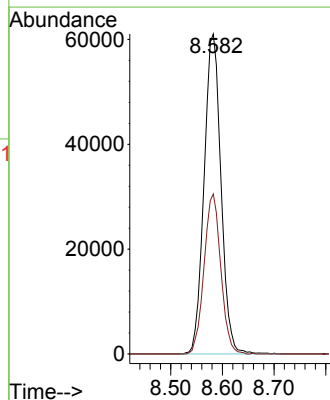
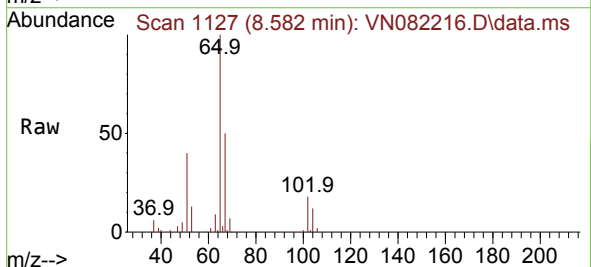
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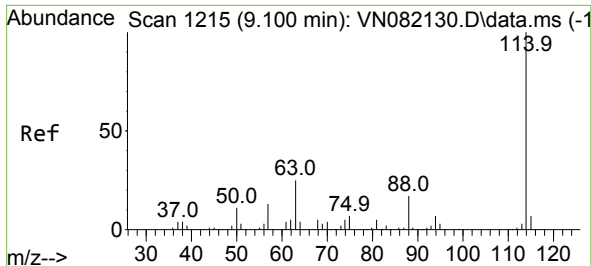
Tgt Ion: 56 Resp: 4683
Ion Ratio Lower Upper
56 100
69 148.8 24.4 36.6#
84 128.9 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 53.088 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 65 Resp: 138741
Ion Ratio Lower Upper
65 100
67 49.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :

TP-15

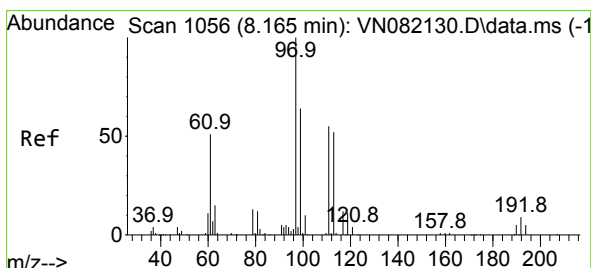
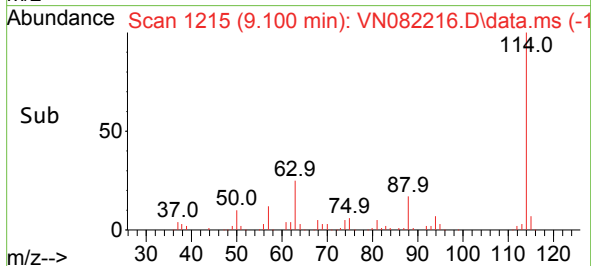
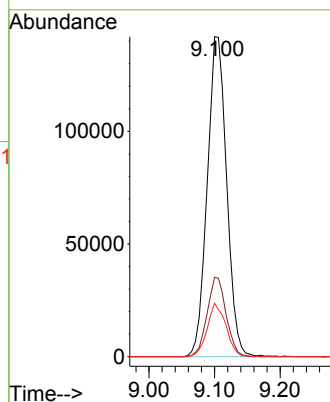
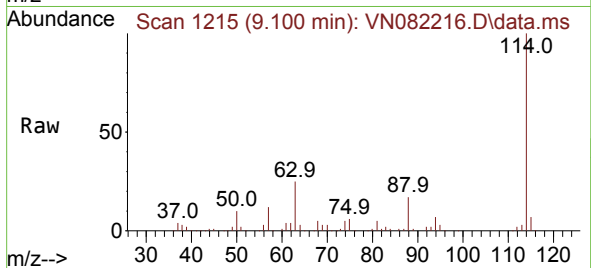
Tgt Ion:114 Resp: 292427

Ion Ratio Lower Upper

114 100

63 24.8 0.0 41.0

88 16.7 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.612 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

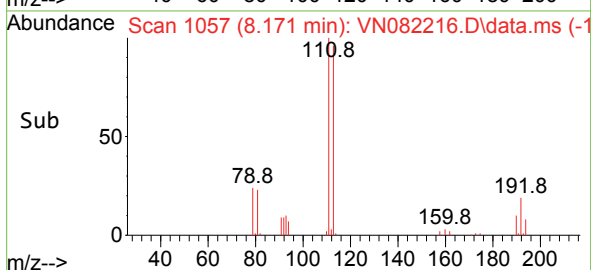
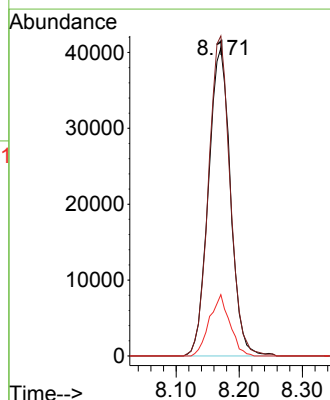
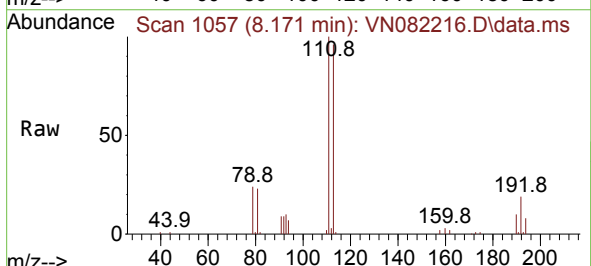
Tgt Ion:113 Resp: 98241

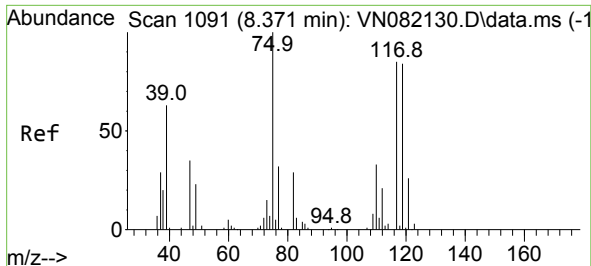
Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.2

192 18.5 14.0 21.0

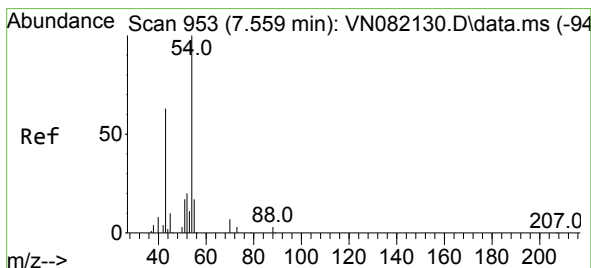
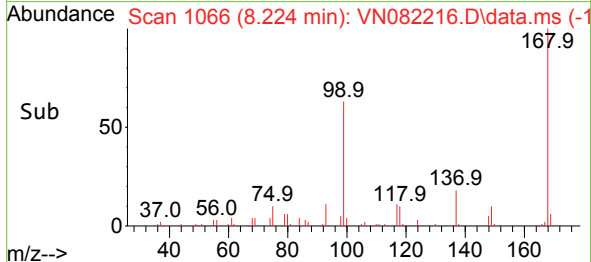
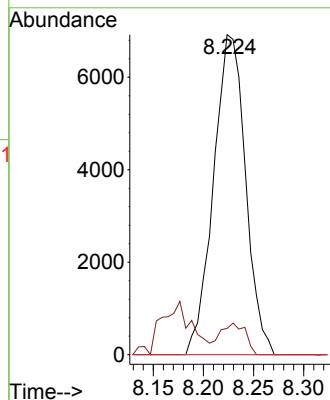
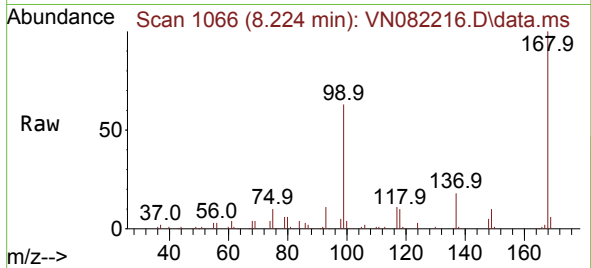




#36
1,1-Dichloropropene
Concen: 5.097 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

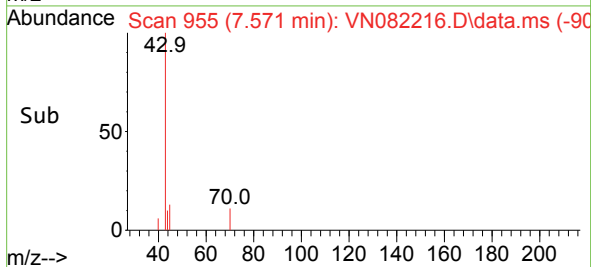
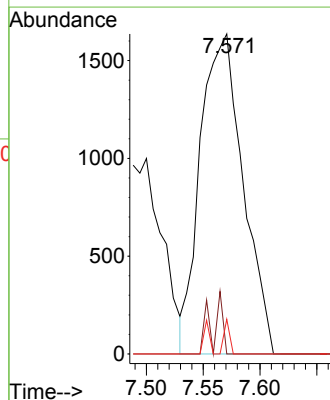
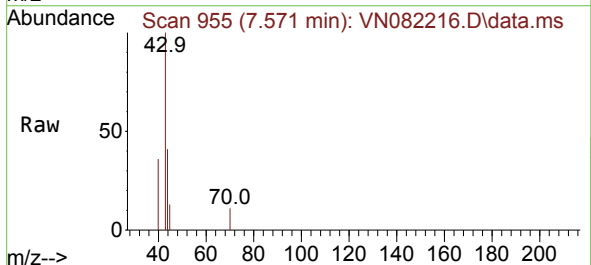
Instrument :
MSVOA_N
ClientSampleId :
TP-15

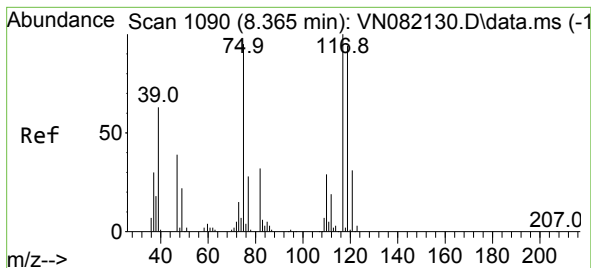
Tgt Ion: 75 Resp: 15379
Ion Ratio Lower Upper
75 100
110 7.8 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.270 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 43 Resp: 4288
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 1.5 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.980 ug/l

RT: 8.229 min Scan# 110

Delta R.T. -0.135 min

Lab File: VN082216.D

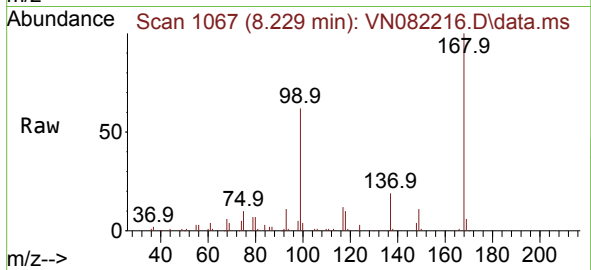
Acq: 20 May 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :

TP-15



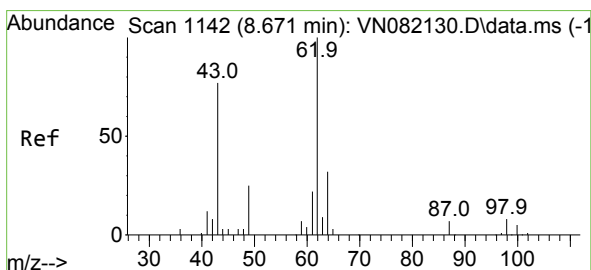
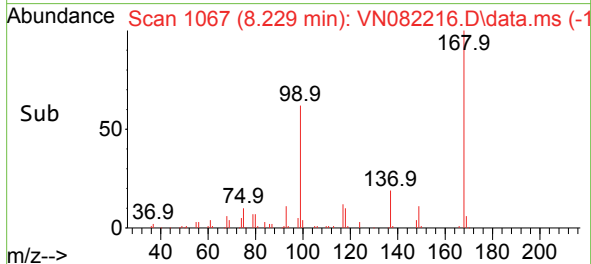
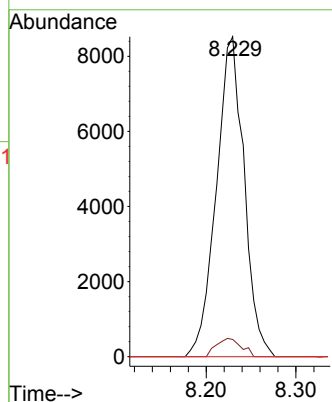
Tgt Ion:117 Resp: 18289

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 0.262 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082216.D

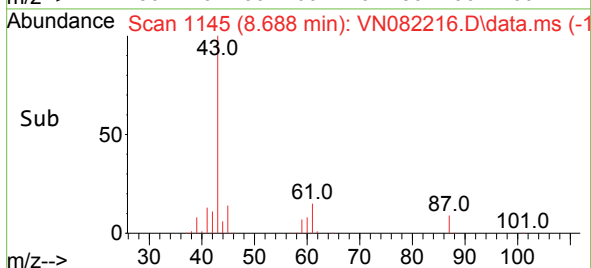
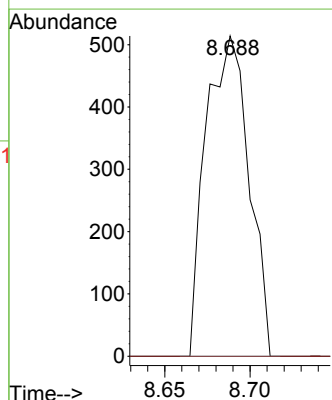
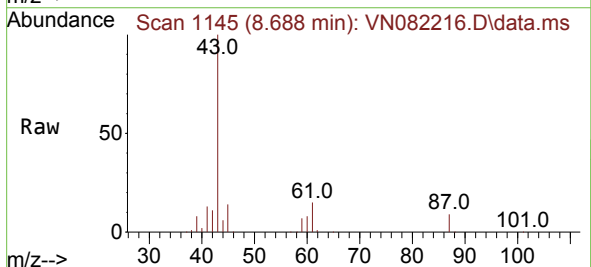
Acq: 20 May 2024 17:47

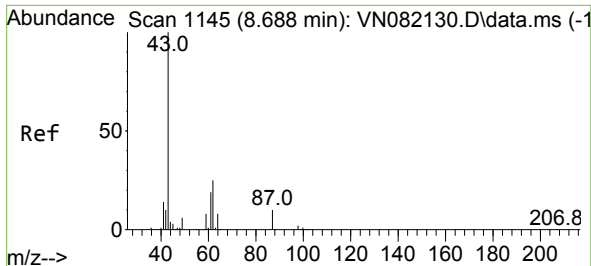
Tgt Ion: 62 Resp: 906

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6

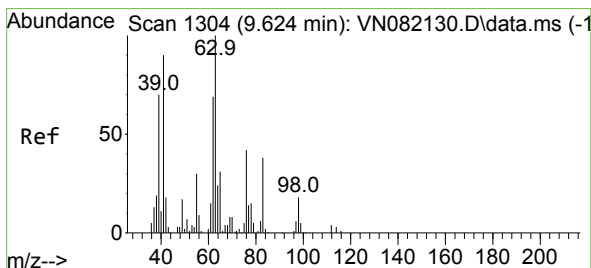
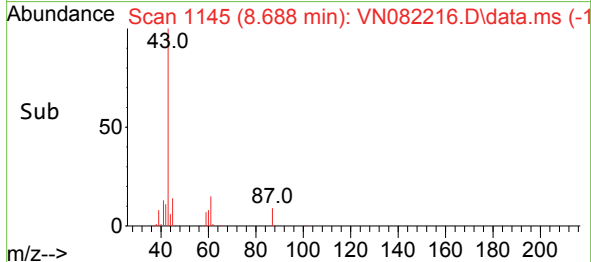
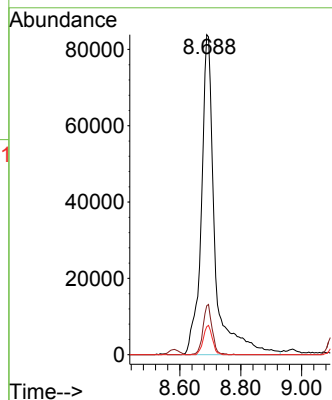
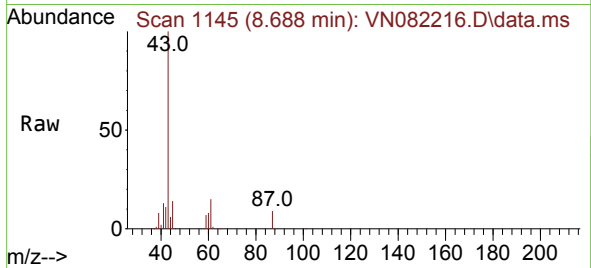




#43
Isopropyl Acetate
Concen: 43.406 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

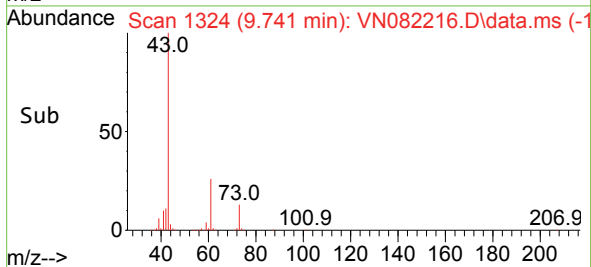
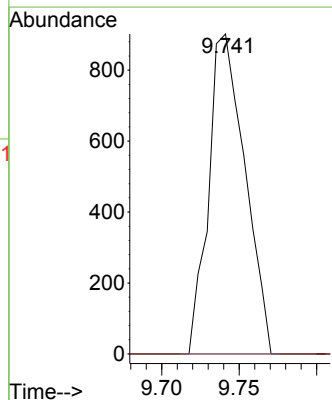
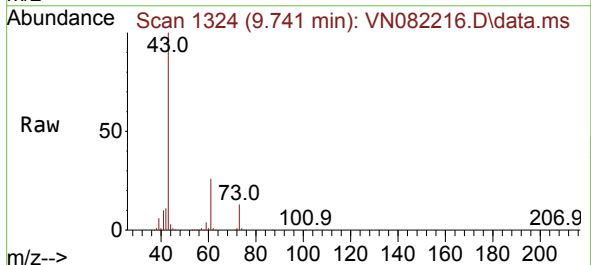
Instrument :
MSVOA_N
ClientSampleId :
TP-15

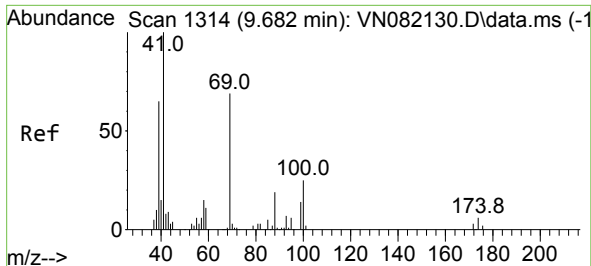
Tgt Ion: 43 Resp: 259688
Ion Ratio Lower Upper
43 100
61 10.5 22.8 34.2#
87 6.1 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.635 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.117 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 63 Resp: 1473
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

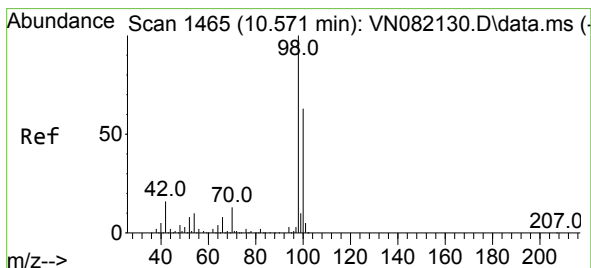
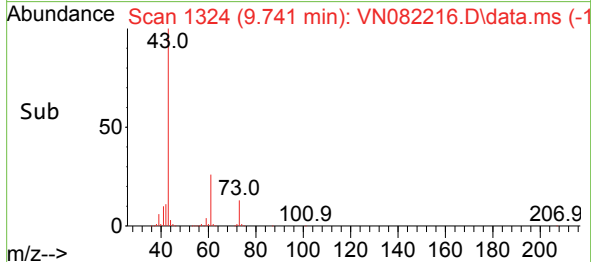
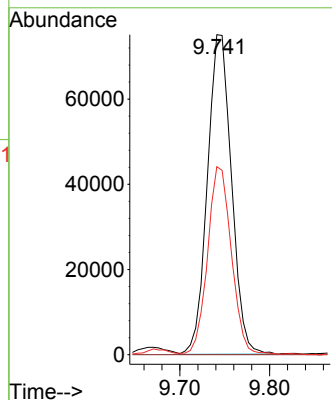
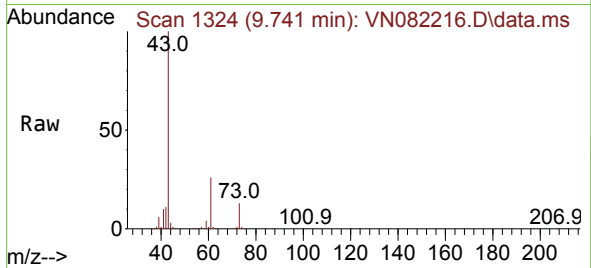




#48
Methyl methacrylate
Concen: 48.982 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

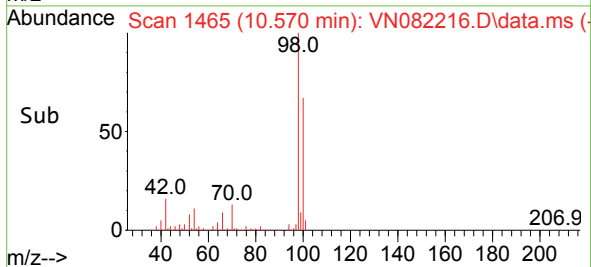
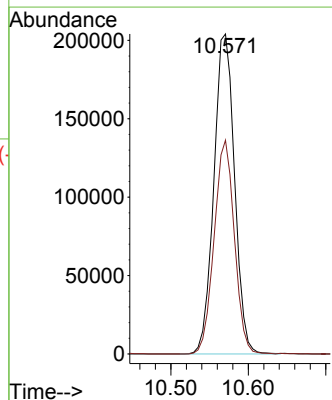
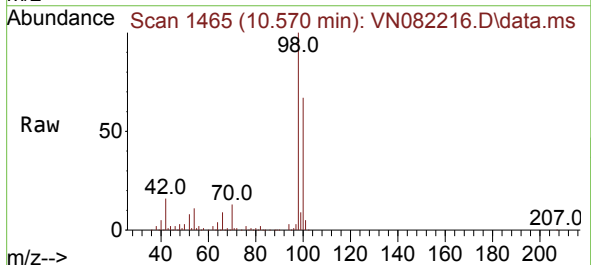
Instrument :
MSVOA_N
ClientSampleId :
TP-15

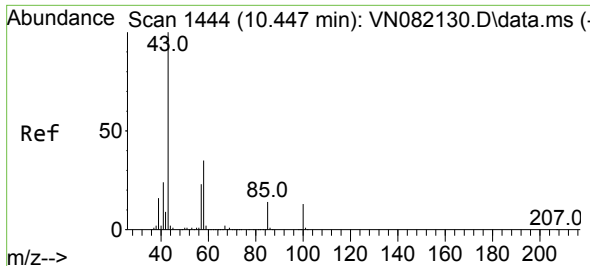
Tgt Ion: 41 Resp: 139637
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 57.9 50.9 76.3



#50
Toluene-d8
Concen: 55.034 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 98 Resp: 379559
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6

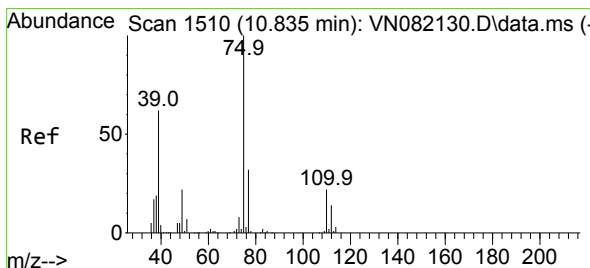
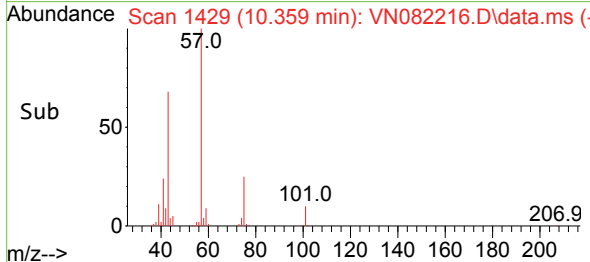
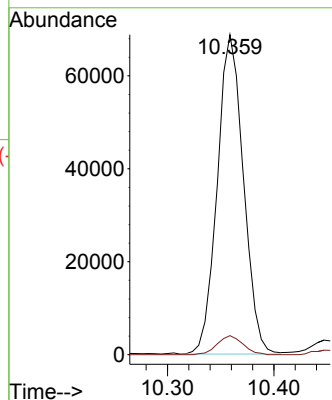
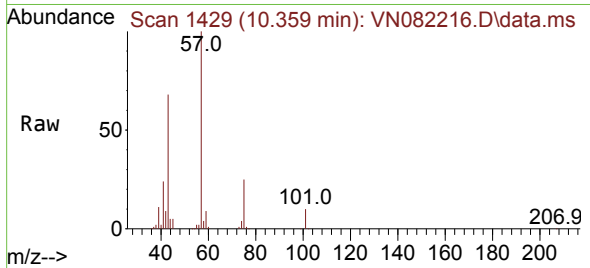




#51
4-Methyl-2-Pentanone
Concen: 34.461 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

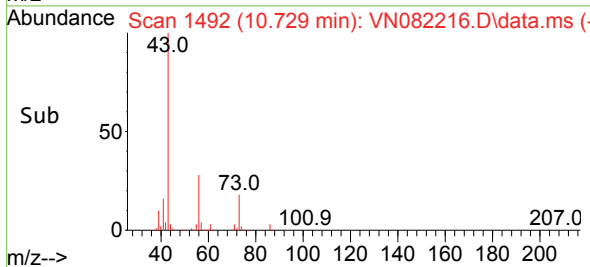
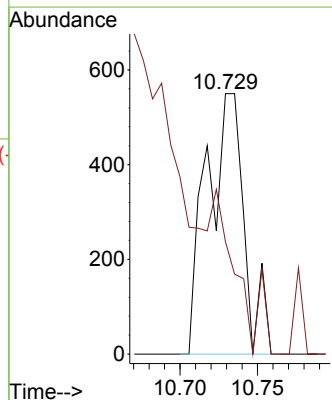
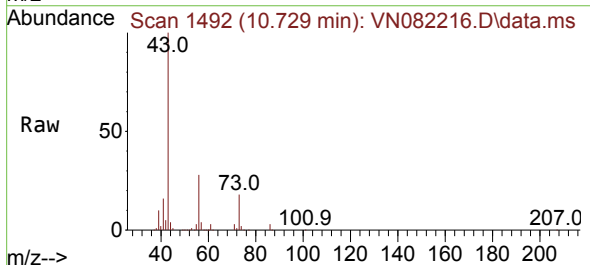
Instrument :
MSVOA_N
ClientSampleId :
TP-15

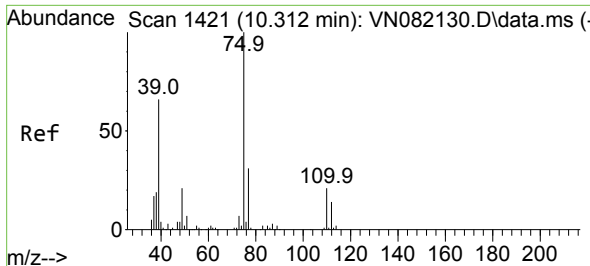
Tgt Ion: 43 Resp: 117139
Ion Ratio Lower Upper
43 100
58 5.8 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 75 Resp: 924
Ion Ratio Lower Upper
75 100
77 43.1 25.4 38.0#

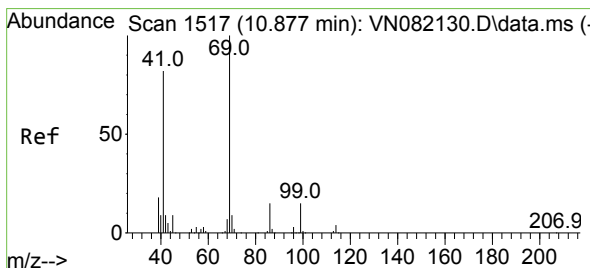
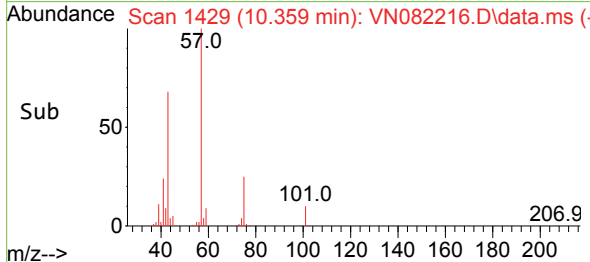
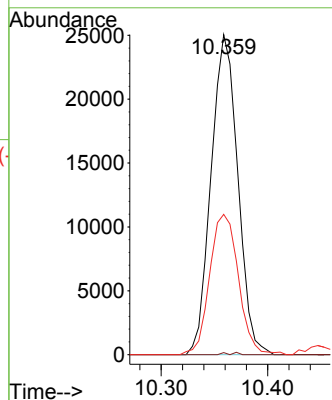
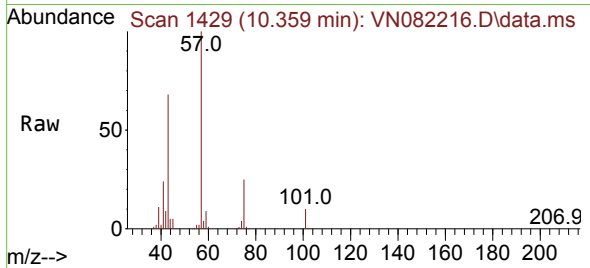




#54
 cis-1,3-Dichloropropene
 Concen: 12.382 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082216.D
 Acq: 20 May 2024 17:47

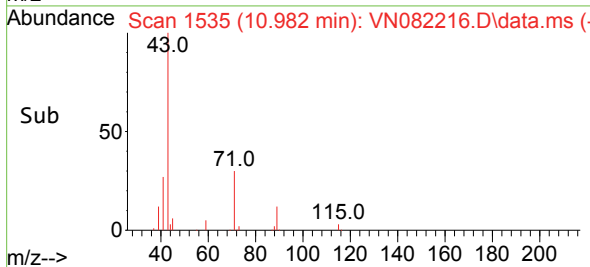
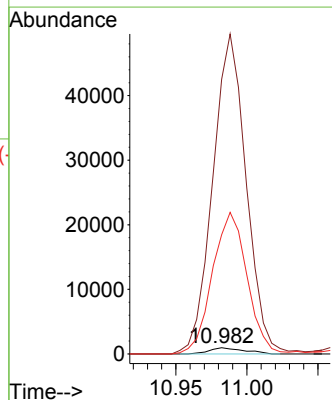
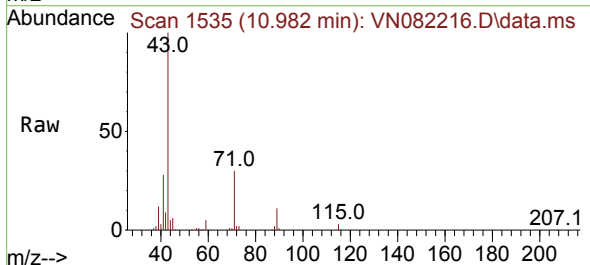
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-15

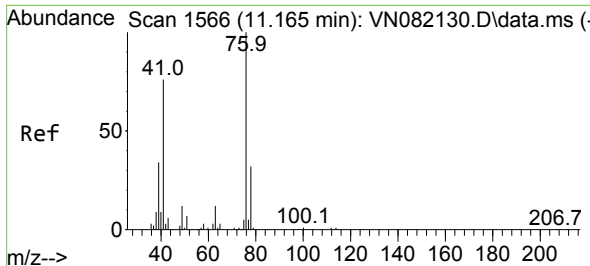
Tgt Ion: 75 Resp: 43611
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 43.9 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.498 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082216.D
 Acq: 20 May 2024 17:47

Tgt Ion: 69 Resp: 1658
 Ion Ratio Lower Upper
 69 100
 41 4908.7 46.6 70.0#
 39 2240.7 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.504 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :

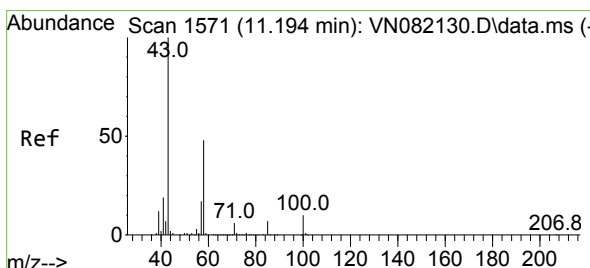
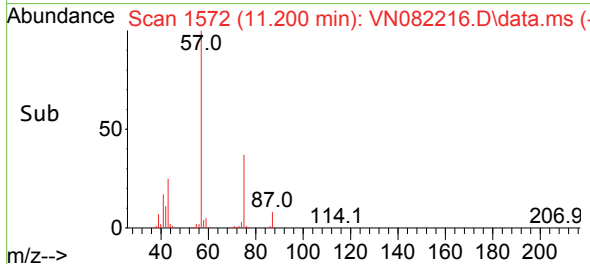
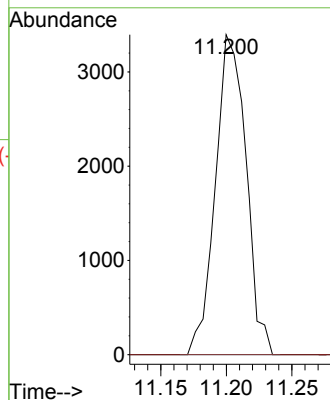
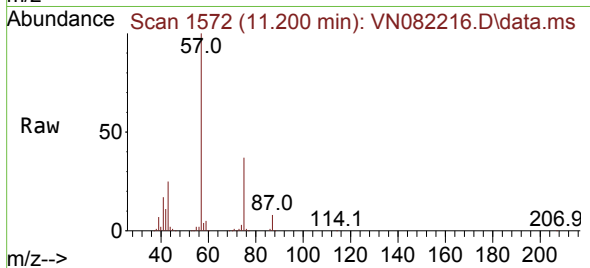
TP-15

Tgt Ion: 76 Resp: 5519

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 48.822 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082216.D

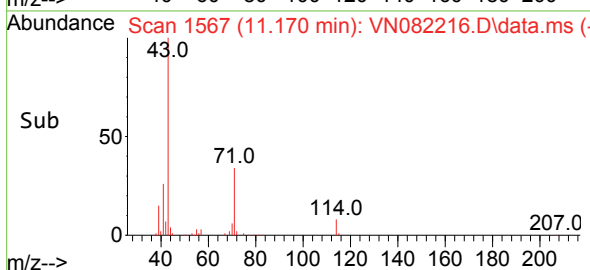
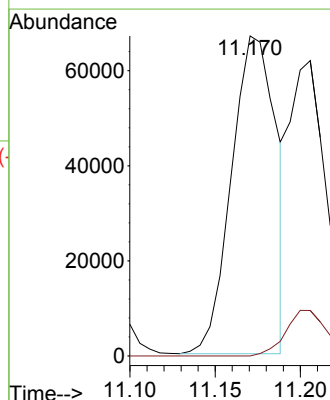
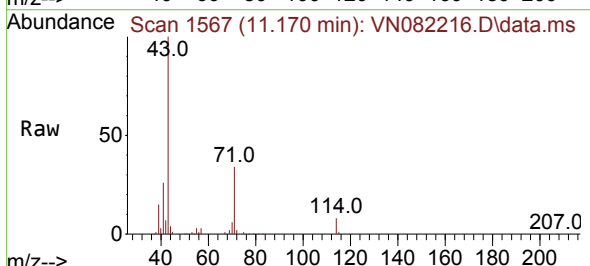
Acq: 20 May 2024 17:47

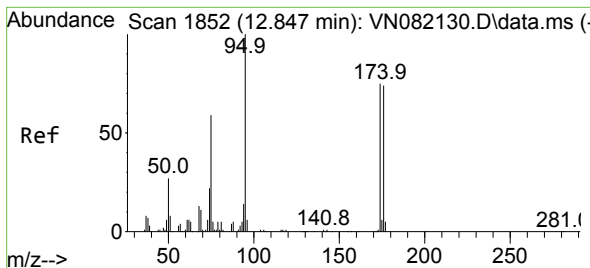
Tgt Ion: 43 Resp: 121514

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

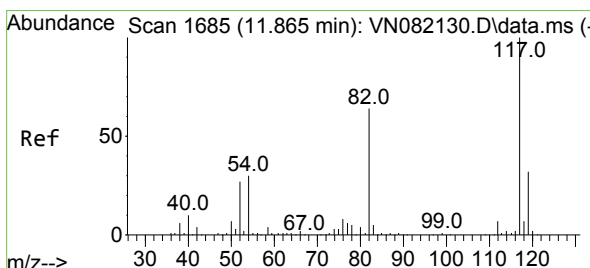
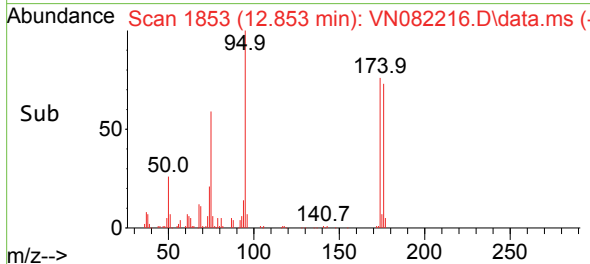
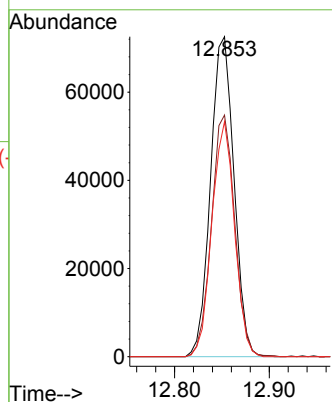
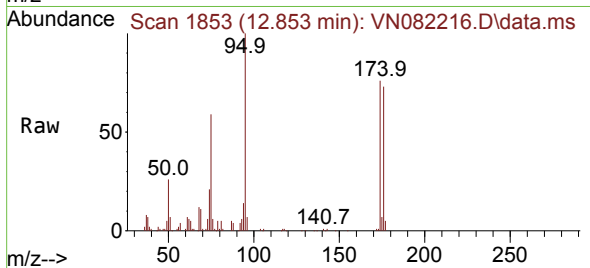




#62
4-Bromofluorobenzene
Concen: 50.725 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

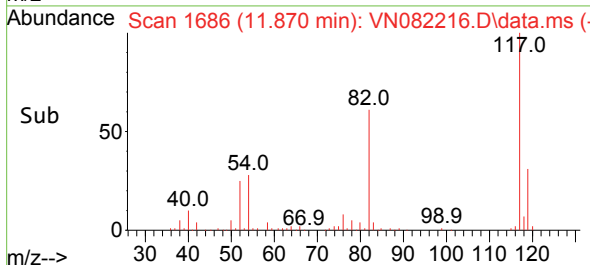
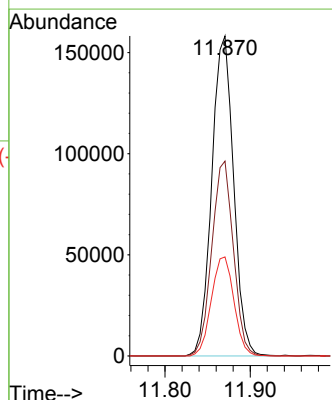
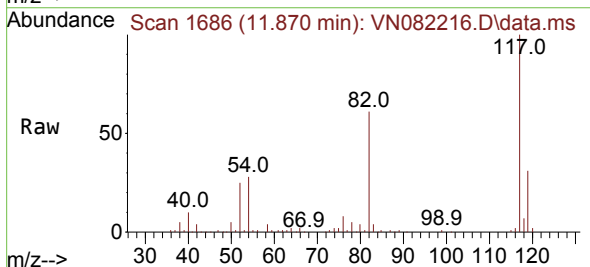
Instrument :
MSVOA_N
ClientSampleId :
TP-15

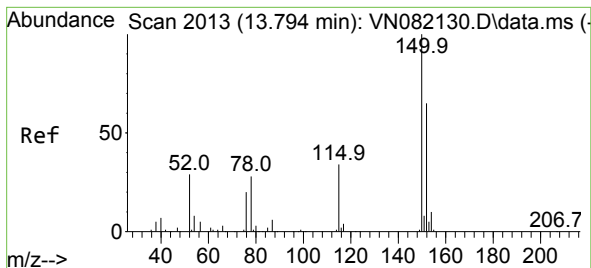
Tgt Ion: 95 Resp: 124866
Ion Ratio Lower Upper
95 100
174 75.3 0.0 160.6
176 70.9 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082216.D
Acq: 20 May 2024 17:47

Tgt Ion: 117 Resp: 282100
Ion Ratio Lower Upper
117 100
82 60.9 44.6 66.8
119 30.9 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: VN082216.D

Acq: 20 May 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :

TP-15

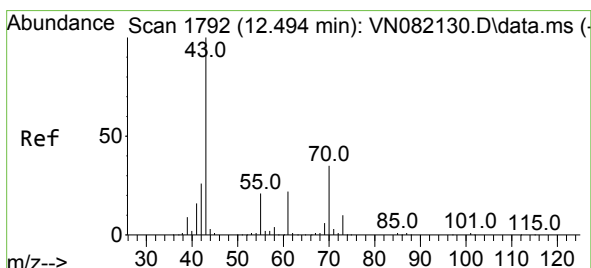
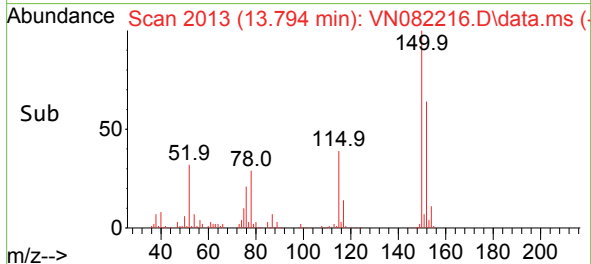
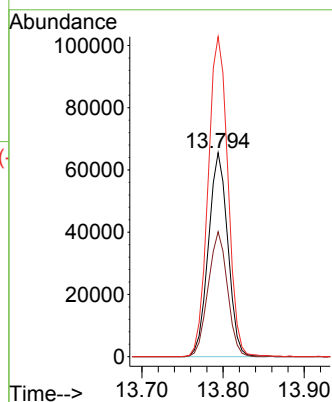
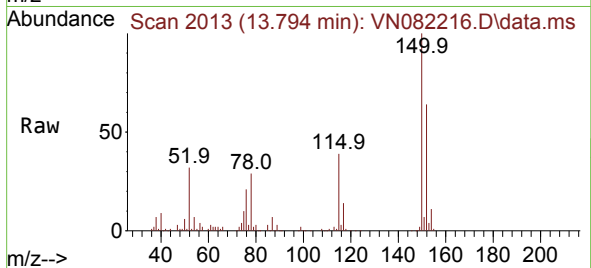
Tgt Ion:152 Resp: 108656

Ion Ratio Lower Upper

152 100

115 60.9 30.4 91.3

150 160.1 0.0 353.2



#74

N-ethyl acetate

Concen: 0.290 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

Tgt Ion: 43 Resp: 1377

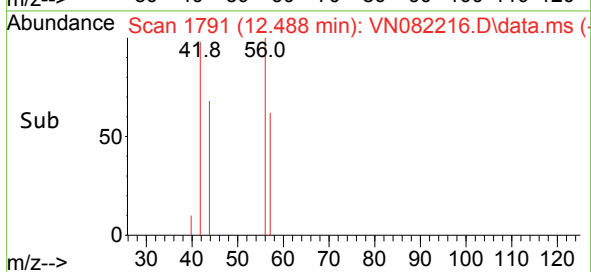
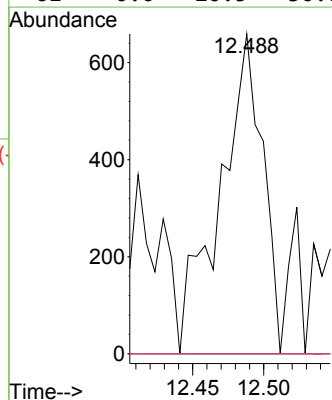
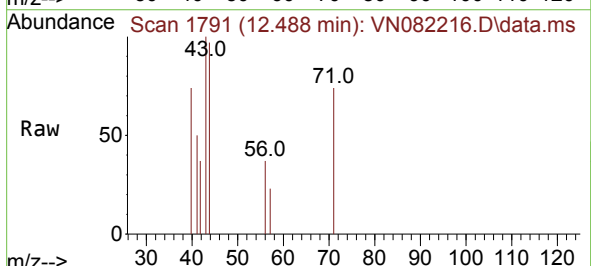
Ion Ratio Lower Upper

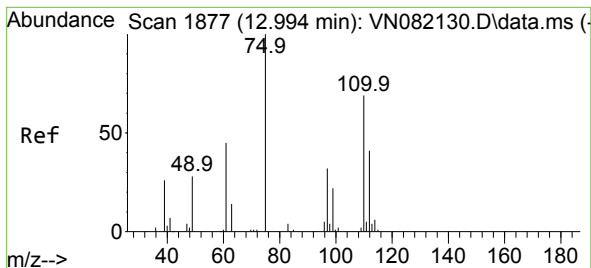
43 100

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: 31.977 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :

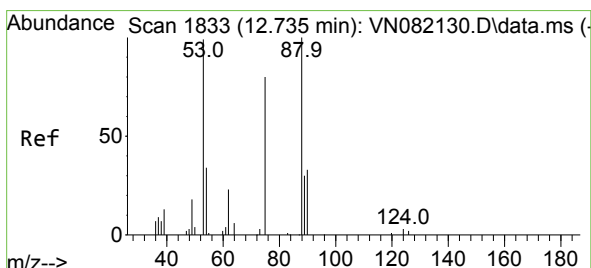
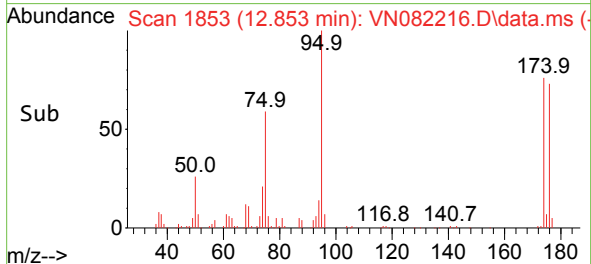
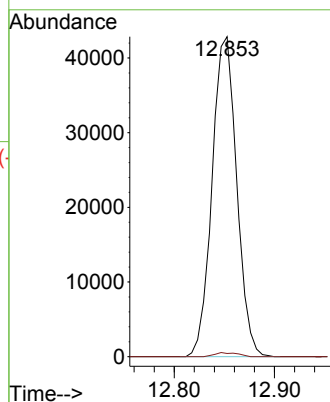
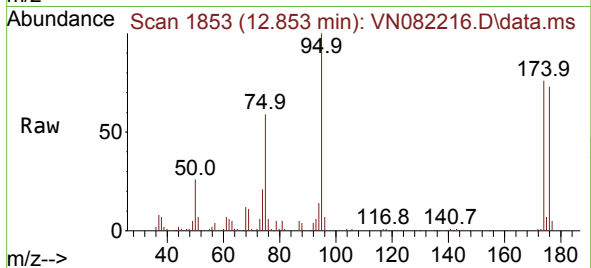
TP-15

Tgt Ion: 75 Resp: 73130

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.793 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.117 min

Lab File: VN082216.D

Acq: 20 May 2024 17:47

Tgt Ion: 75 Resp: 73130

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

