

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082415.D
 Acq On : 31 May 2024 17:59
 Operator : JC\MD
 Sample : P2662-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPR

Quant Time: May 31 23:01:17 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

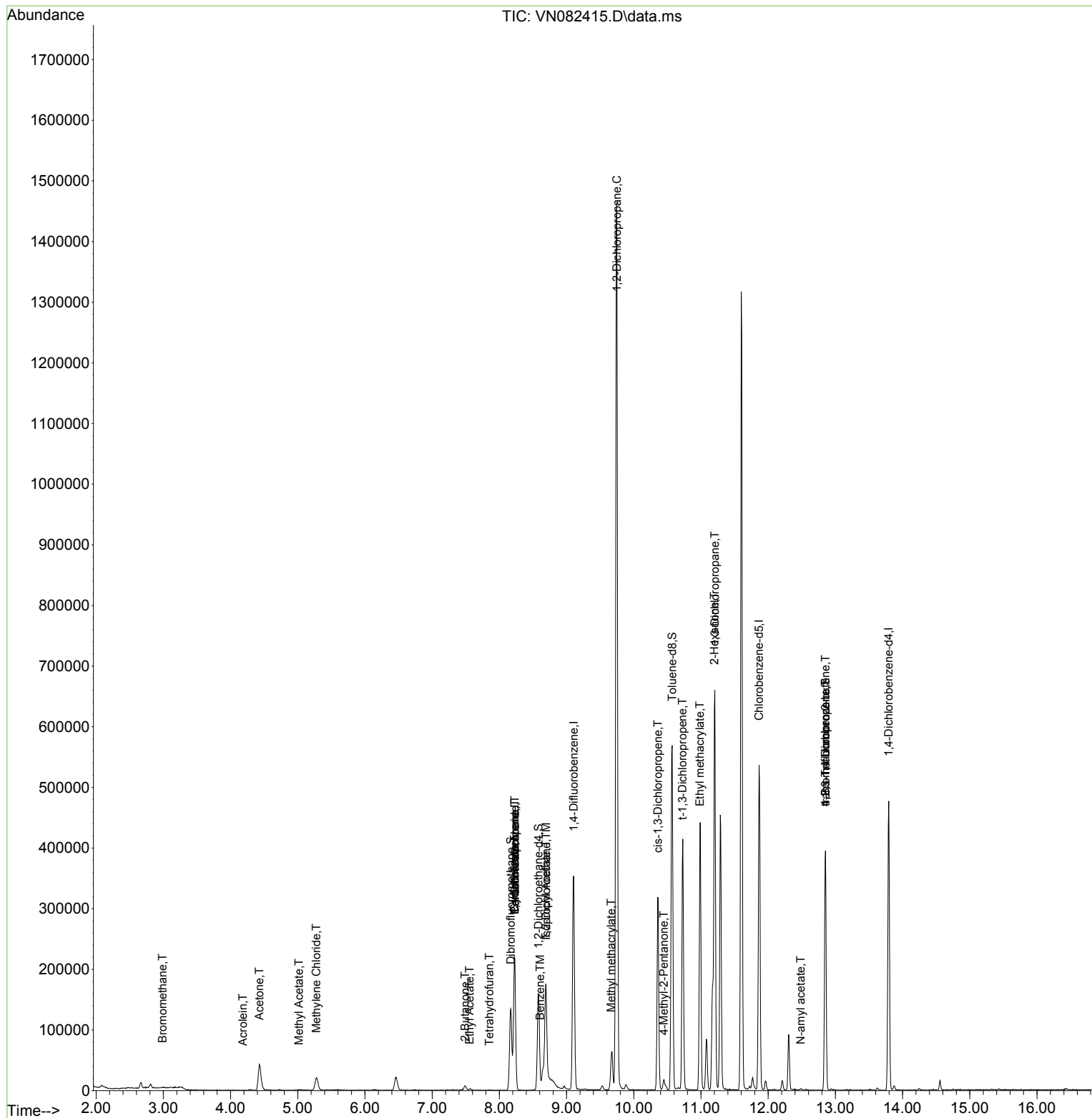
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

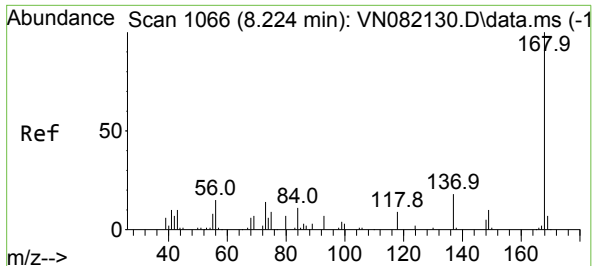
Internal Standards						
1) Pentafluorobenzene	8.229	168	149549	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	280416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	131952	55.878	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.760%	
35) Dibromofluoromethane	8.171	113	94120	54.999	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.000%	
50) Toluene-d8	10.570	98	370683	56.498	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.000%	
62) 4-Bromofluorobenzene	12.853	95	124502	53.166	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 106.340%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	300	0.227	ug/l #	3
13) Acrolein	4.183	56	78	0.278	ug/l #	15
16) Acetone	4.430	43	81374	84.004	ug/l	94
18) Methyl Acetate	5.018	43	1000	0.415	ug/l #	58
20) Methylene Chloride	5.277	84	14702	7.522	ug/l #	65
25) 2-Butanone	7.488	43	12885	8.773	ug/l #	83
29) Tetrahydrofuran	7.853	42	392	0.416	ug/l #	29
31) Cyclohexane	8.224	56	4298	1.140	ug/l #	38
36) 1,1-Dichloropropene	8.229	75	14889	5.188	ug/l #	49
37) Ethyl Acetate	7.559	43	4736	1.474	ug/l #	73
38) Carbon Tetrachloride	8.229	117	16349	5.619	ug/l #	16
40) Benzene	8.606	78	2158	0.252	ug/l #	78
42) 1,2-Dichloroethane	8.694	62	1160	0.352	ug/l #	73
43) Isopropyl Acetate	8.694	43	252780	44.414	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1708	0.773	ug/l #	45
48) Methyl methacrylate	9.665	41	4731	1.744	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	18094	5.595	ug/l #	72
53) t-1,3-Dichloropropene	10.723	75	710	0.224	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	49076	14.647	ug/l #	75
56) Ethyl methacrylate	10.982	69	1351	0.426	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5755	1.649	ug/l #	42
59) 2-Hexanone	11.200	43	103336	43.643	ug/l #	47
74) N-amyl acetate	12.482	43	1110	0.214	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	73178	29.249	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	73178	68.413	ug/l #	12

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

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

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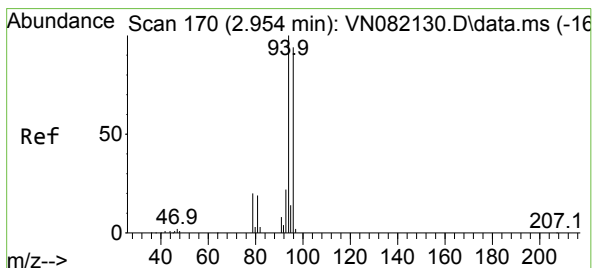
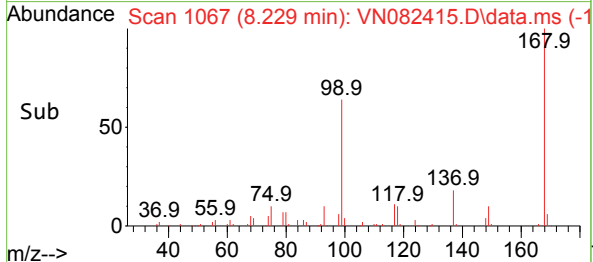
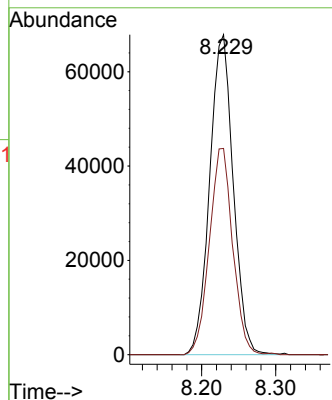
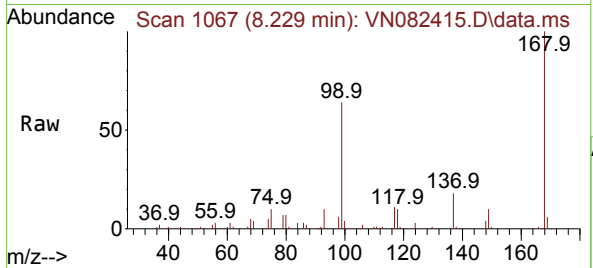




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

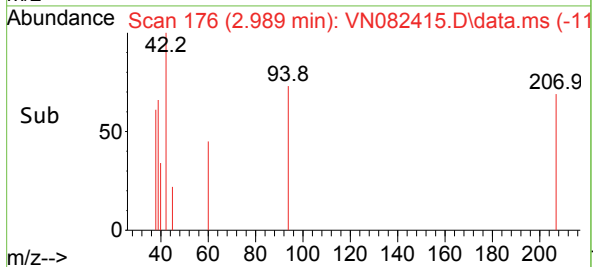
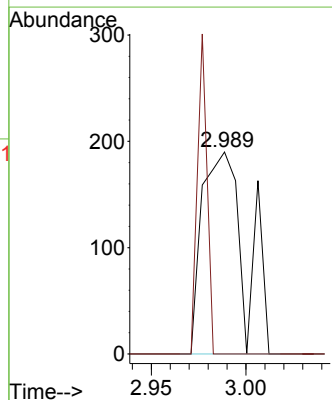
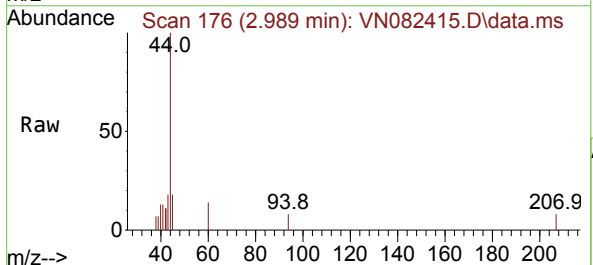
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

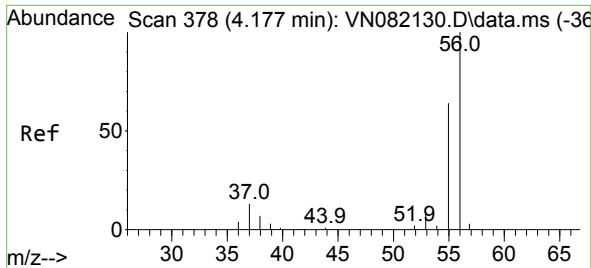
Tgt Ion:168 Resp: 149549
Ion Ratio Lower Upper
168 100
99 64.4 48.2 72.4



#5
Bromomethane
Concen: 0.227 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.035 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 94 Resp: 300
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#

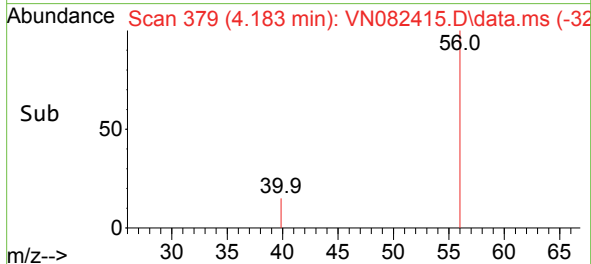
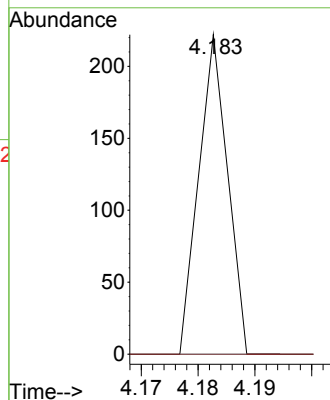
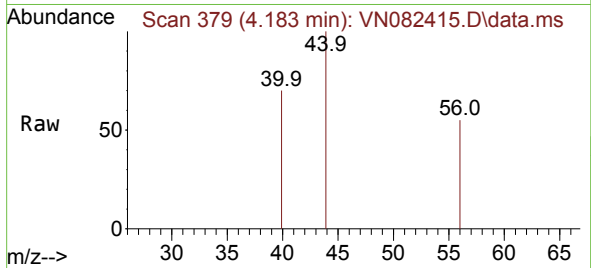




#13
Acrolein
Concen: 0.278 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

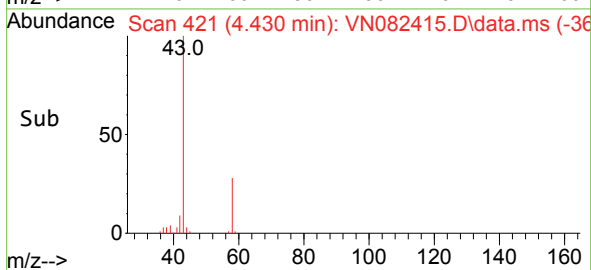
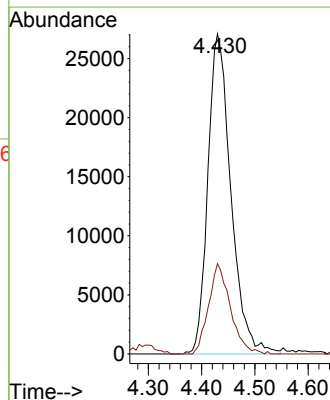
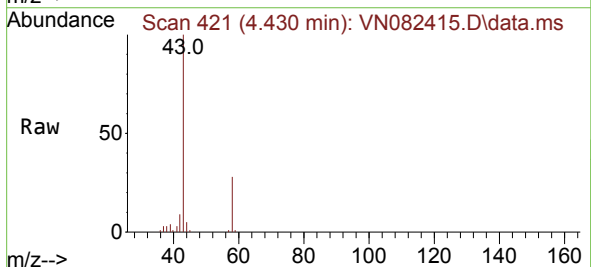
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 84.004 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 43 Resp: 81374
Ion Ratio Lower Upper
43 100
58 28.2 25.2 37.8

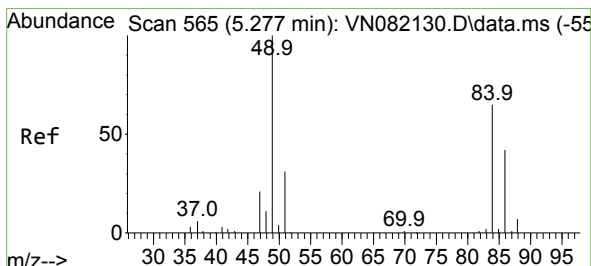
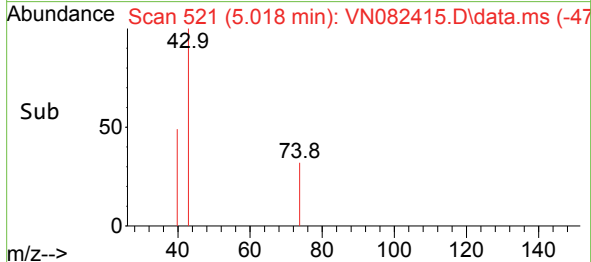
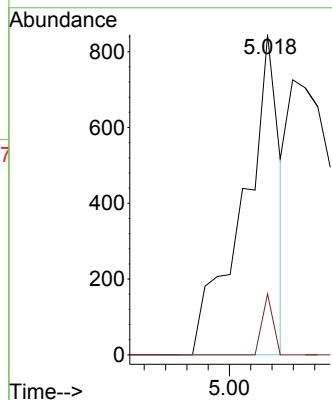
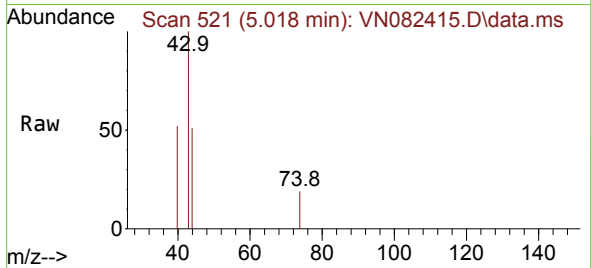




#18
Methyl Acetate
Concen: 0.415 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

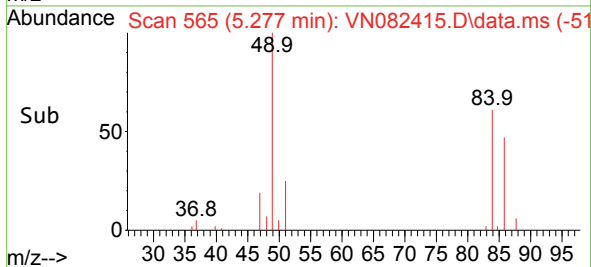
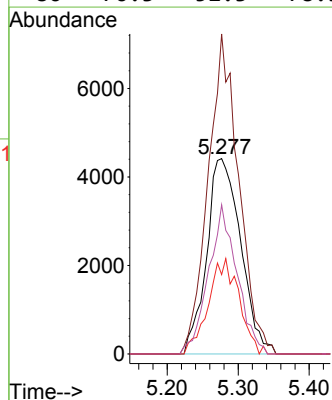
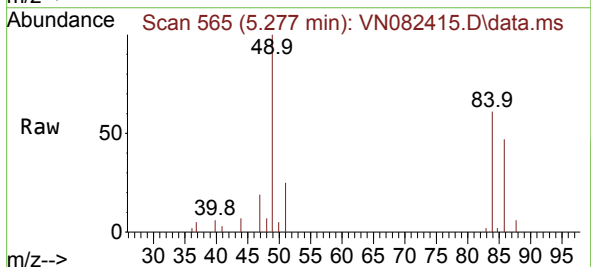
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

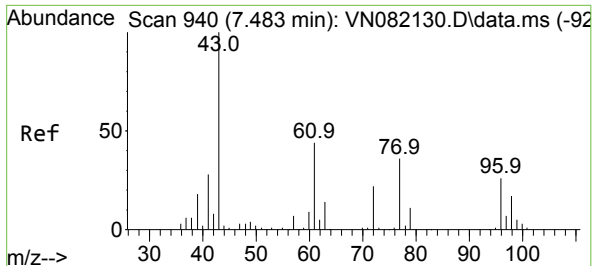
Tgt Ion: 43 Resp: 1000
Ion Ratio Lower Upper
43 100
74 5.7 22.2 33.2#



#20
Methylene Chloride
Concen: 7.522 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 84 Resp: 14702
Ion Ratio Lower Upper
84 100
49 163.8 84.9 127.3#
51 40.7 27.0 40.6#
86 76.3 52.3 78.5

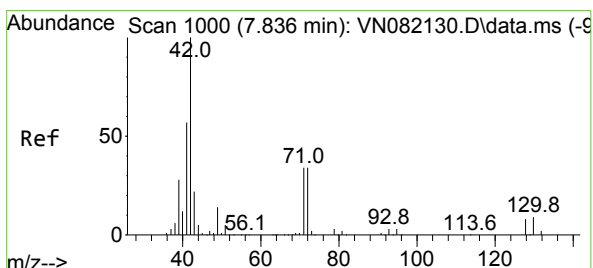
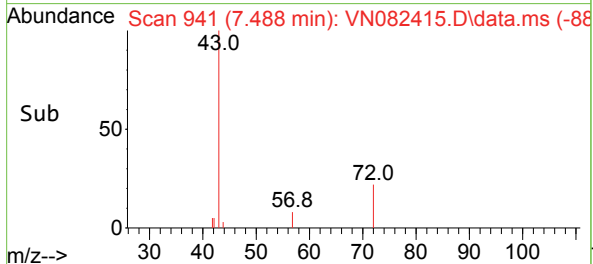
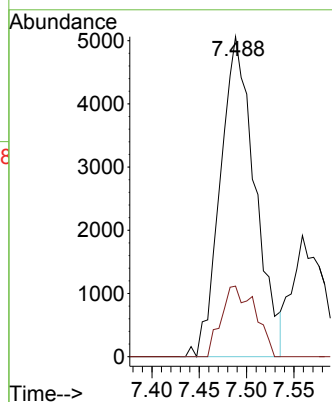
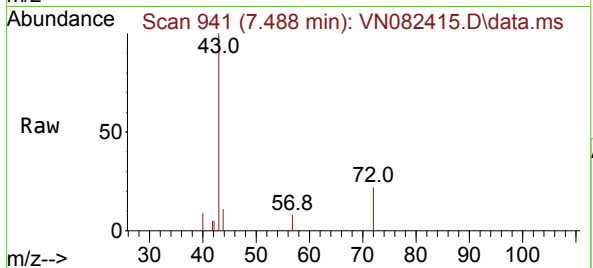




#25
2-Butanone
Concen: 8.773 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

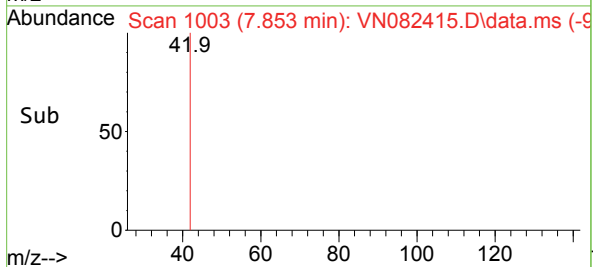
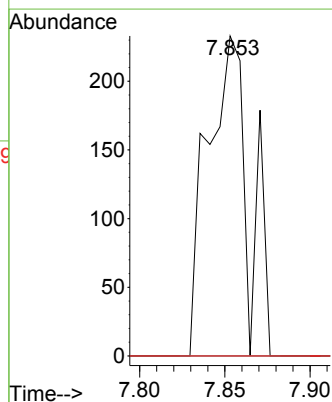
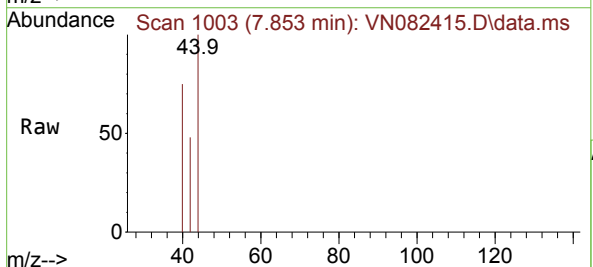
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

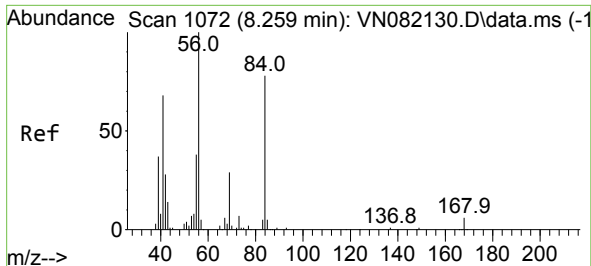
Tgt Ion: 43 Resp: 12885
Ion Ratio Lower Upper
43 100
72 22.1 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.416 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 42 Resp: 392
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#

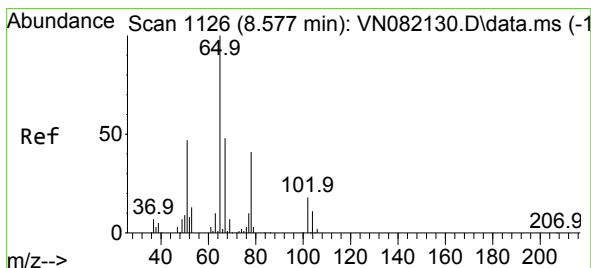
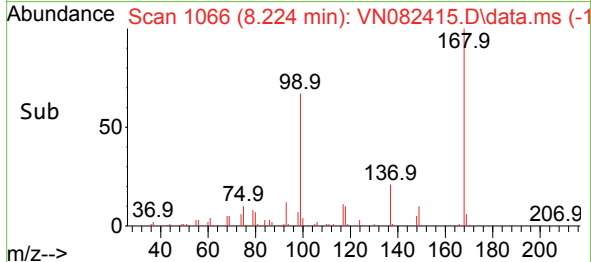
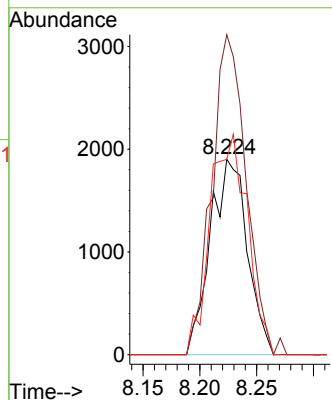
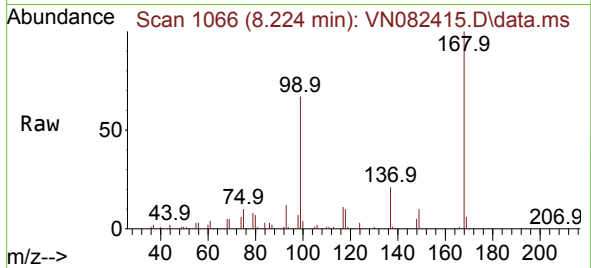




#31
Cyclohexane
Concen: 1.140 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

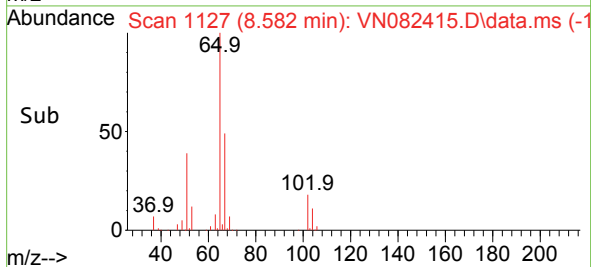
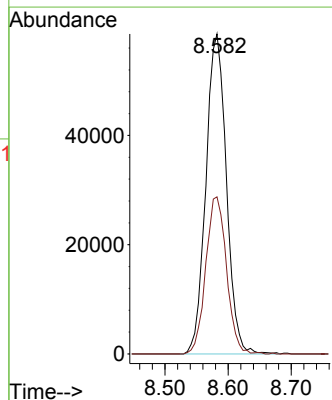
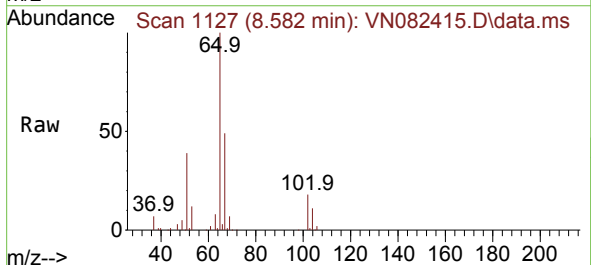
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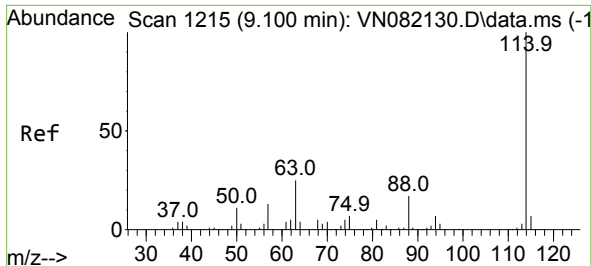
Tgt Ion: 56 Resp: 4298
Ion Ratio Lower Upper
56 100
69 163.6 24.4 36.6#
84 99.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.878 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 65 Resp: 131952
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.0

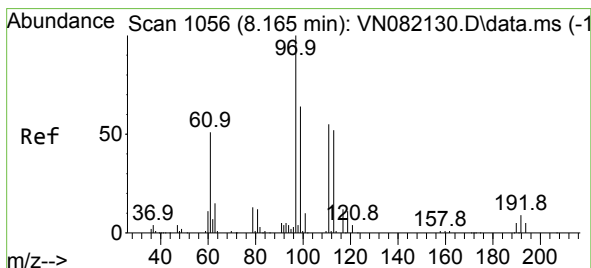
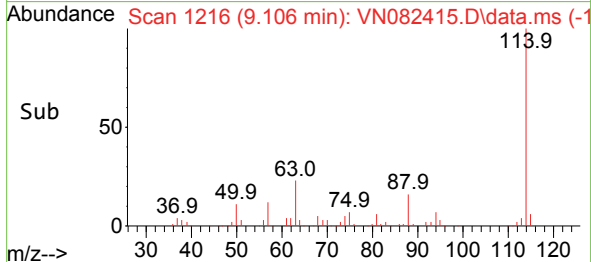
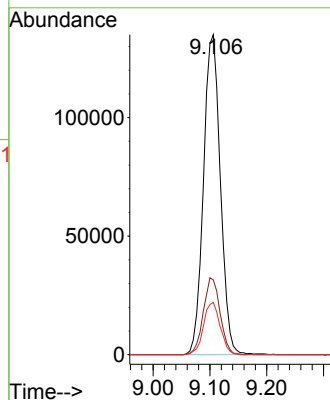
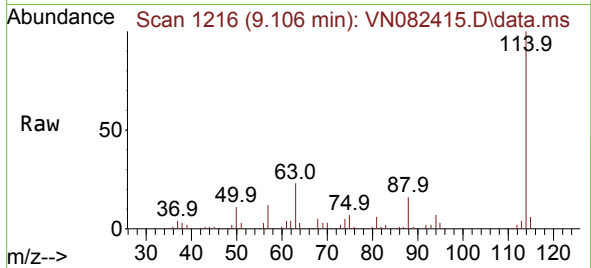




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

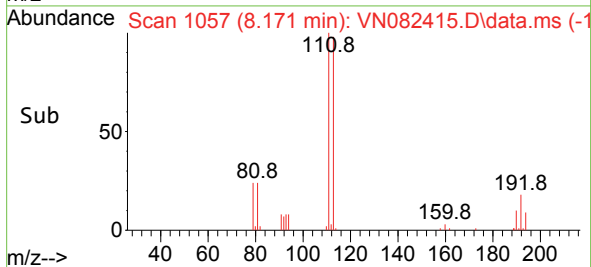
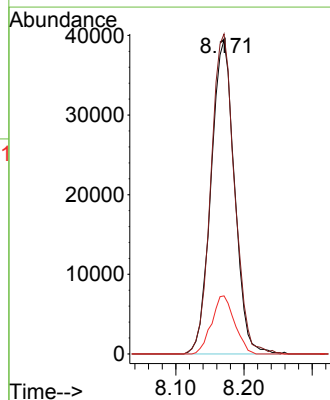
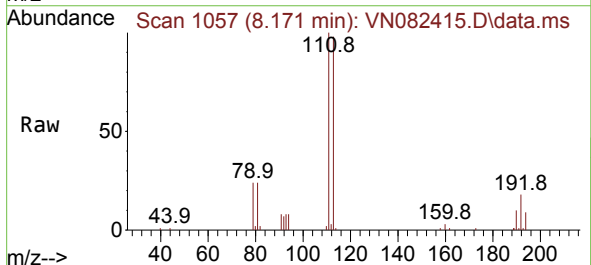
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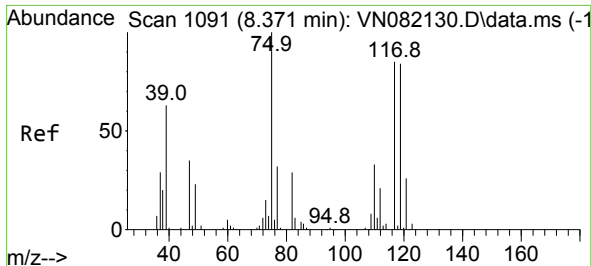
Tgt Ion:114 Resp: 278189
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.0
88 16.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.999 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion:113 Resp: 94120
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.2
192 18.1 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.188 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPR

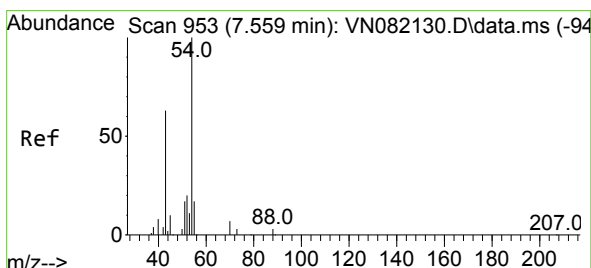
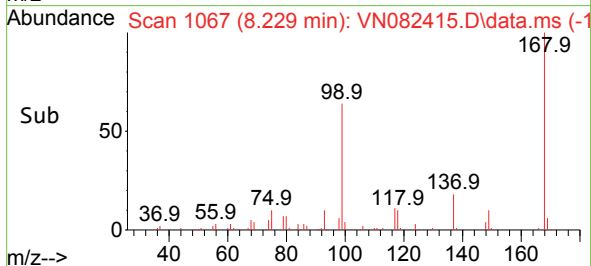
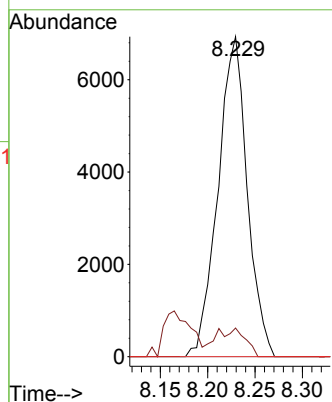
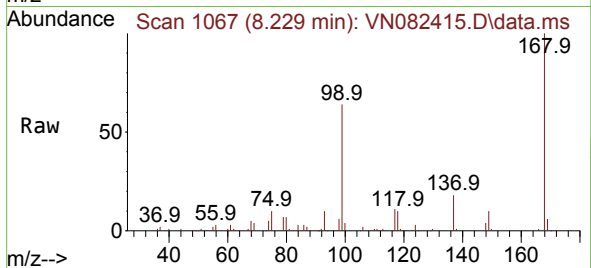
Tgt Ion: 75 Resp: 14889

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.474 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

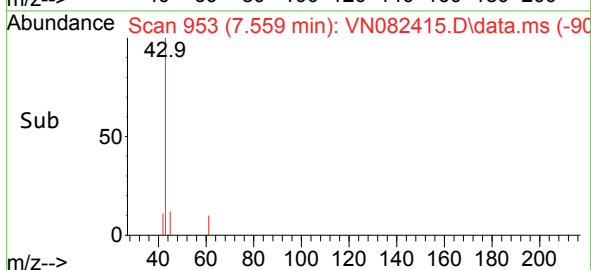
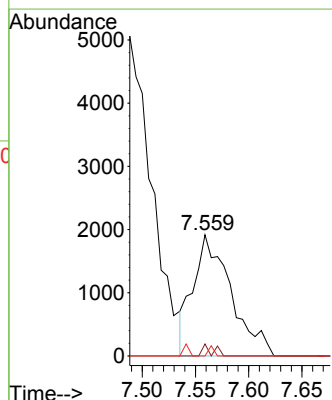
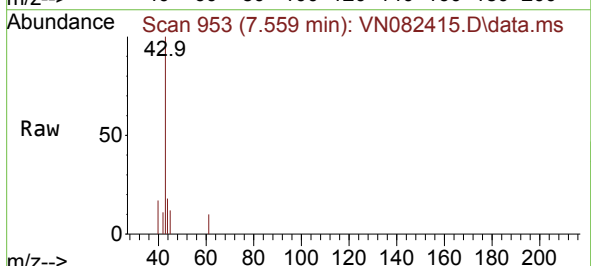
Tgt Ion: 43 Resp: 4736

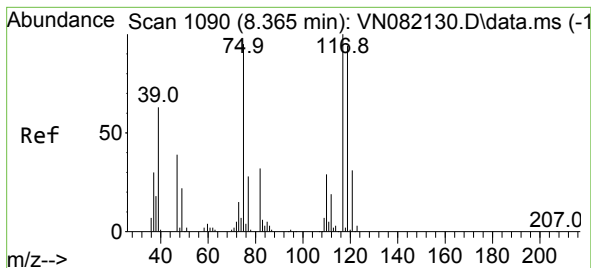
Ion Ratio Lower Upper

43 100

61 2.6 11.3 16.9#

70 1.2 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.619 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPR

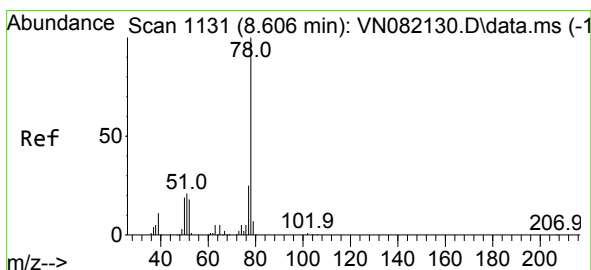
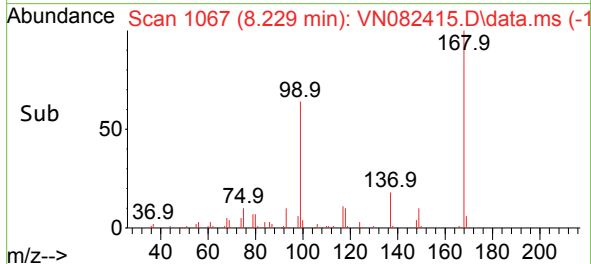
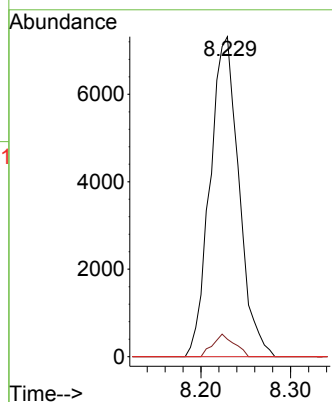
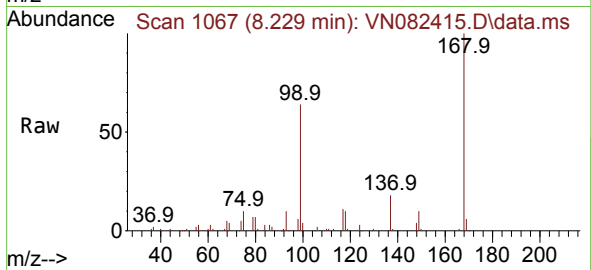
Tgt Ion:117 Resp: 16349

Ion Ratio Lower Upper

117 100

119 5.5 76.5 114.7#

121 0.0 23.9 35.9#



#40

Benzene

Concen: 0.252 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN082415.D

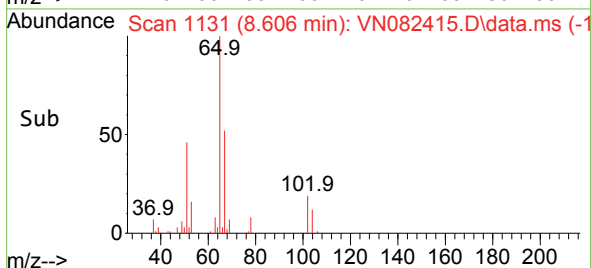
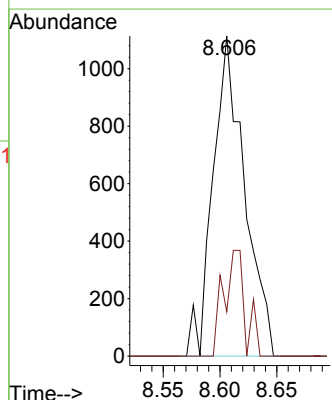
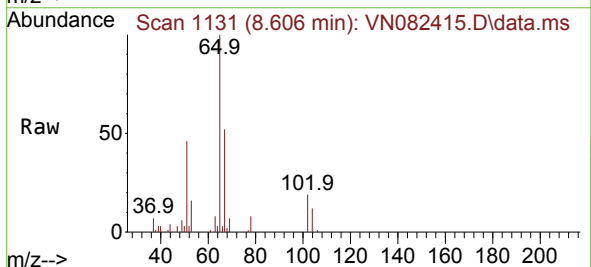
Acq: 31 May 2024 17:59

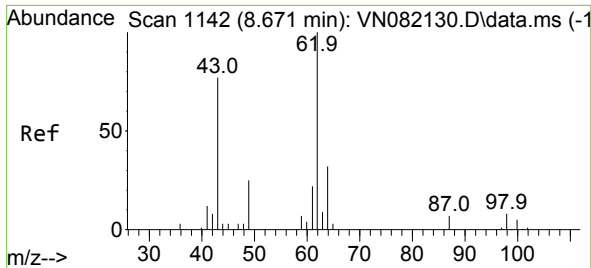
Tgt Ion: 78 Resp: 2158

Ion Ratio Lower Upper

78 100

77 13.8 20.0 30.0#





#42

1,2-Dichloroethane

Concen: 0.352 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

Instrument :

MSVOA_N

ClientSampleId :

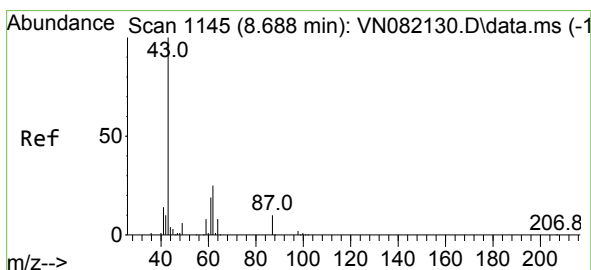
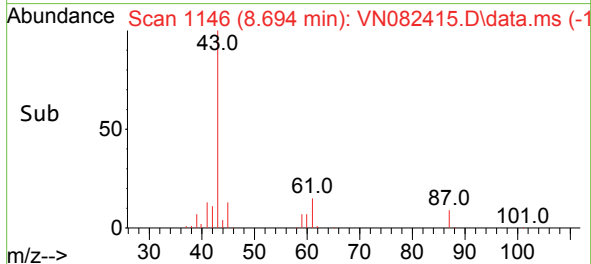
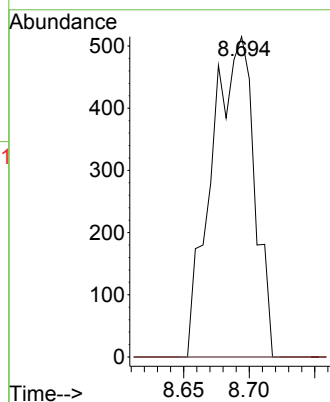
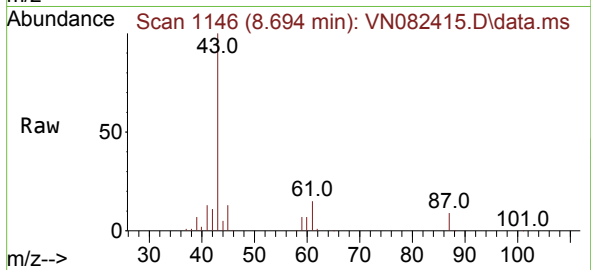
WCS-TPR

Tgt Ion: 62 Resp: 1160

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 44.414 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

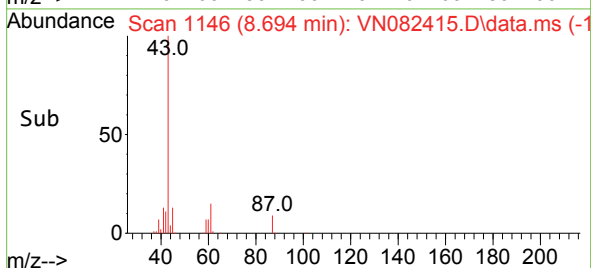
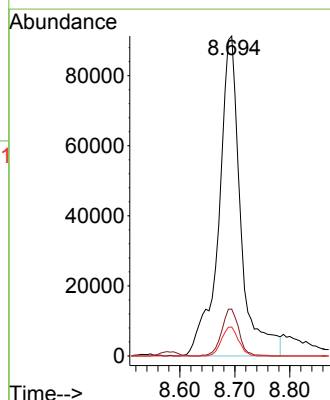
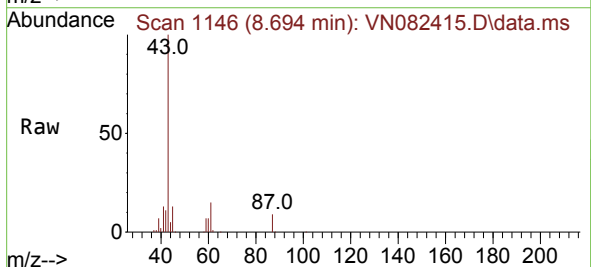
Tgt Ion: 43 Resp: 252780

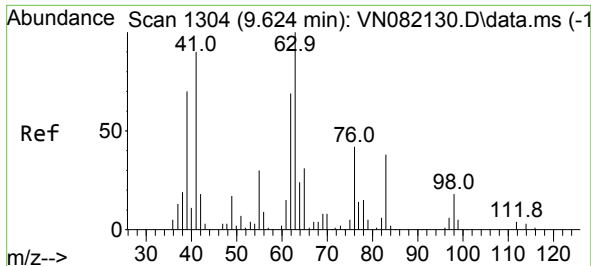
Ion Ratio Lower Upper

43 100

61 11.6 22.8 34.2#

87 7.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.773 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

Instrument :

MSVOA_N

ClientSampleId :

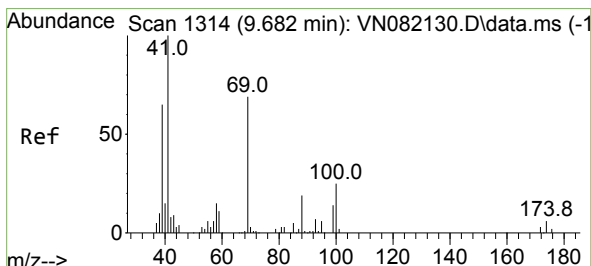
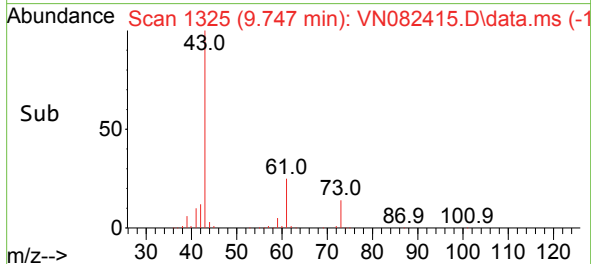
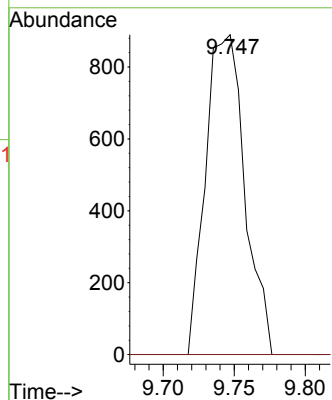
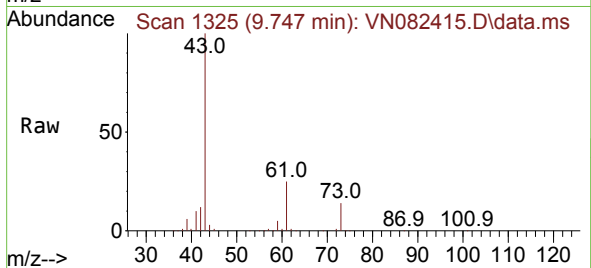
WCS-TPR

Tgt Ion: 63 Resp: 1708

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.744 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

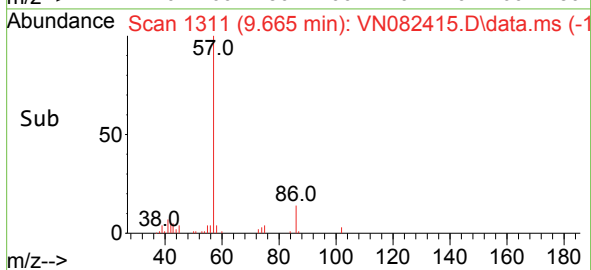
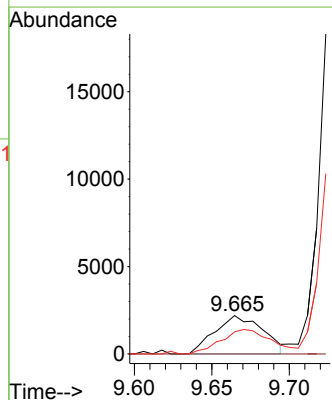
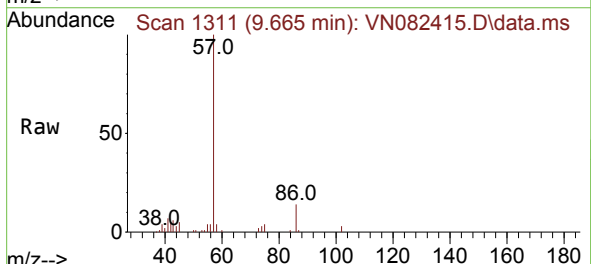
Tgt Ion: 41 Resp: 4731

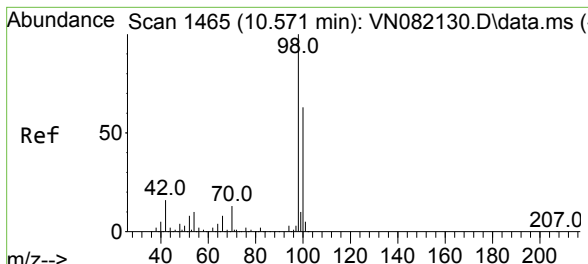
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 67.7 50.9 76.3

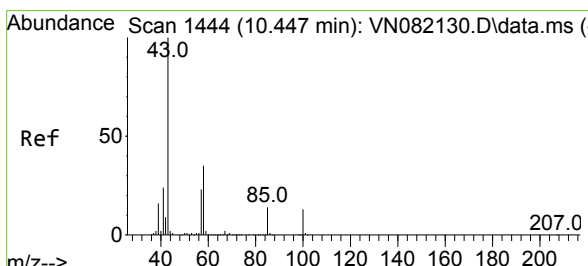
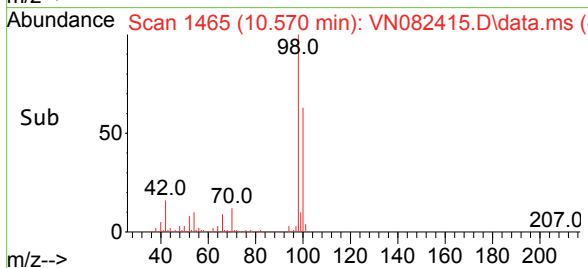
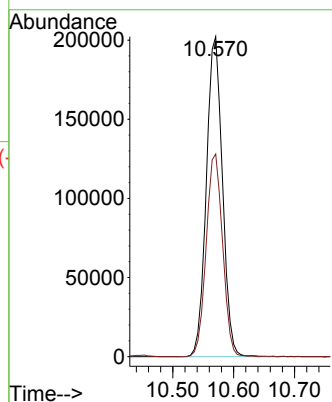
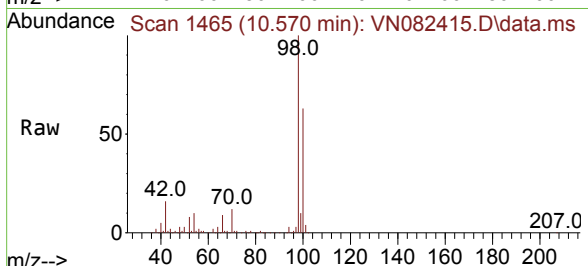




#50
Toluene-d8
Concen: 56.498 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

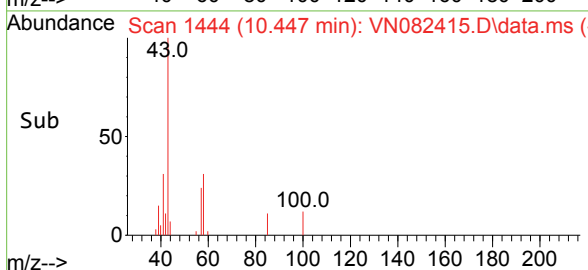
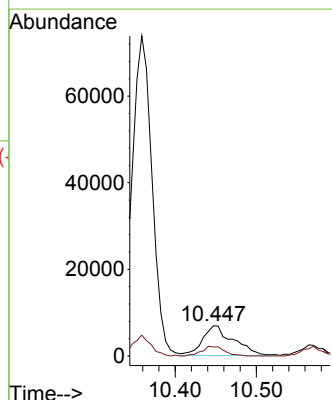
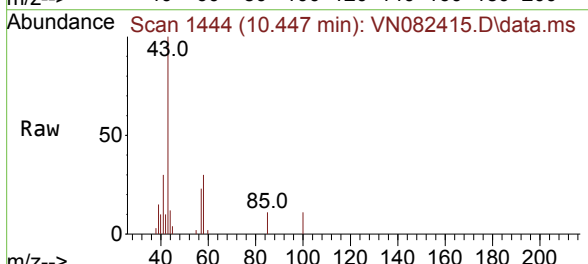
Instrument : MSVOA_N
ClientSampleId : WCS-TPR

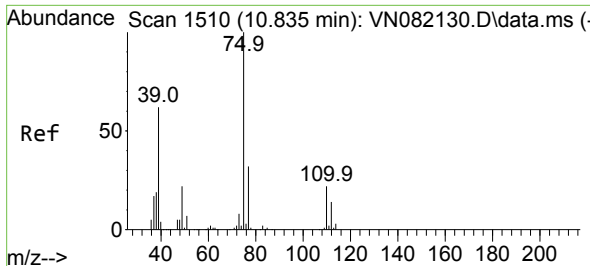
Tgt Ion: 98 Resp: 370683
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.595 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 43 Resp: 18094
Ion Ratio Lower Upper
43 100
58 23.8 33.2 49.8#

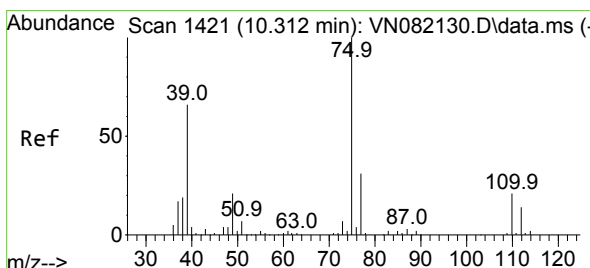
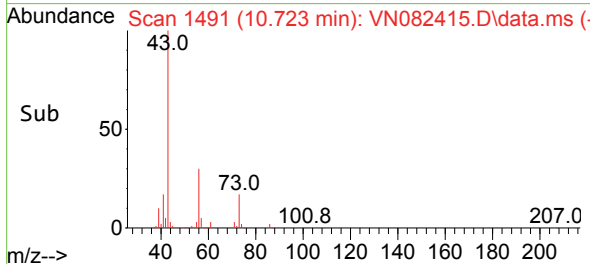
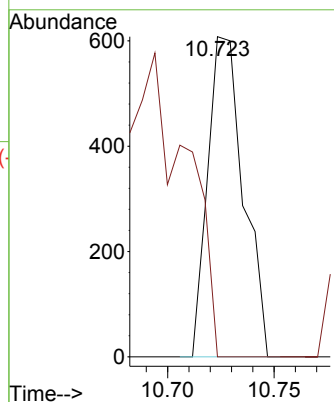
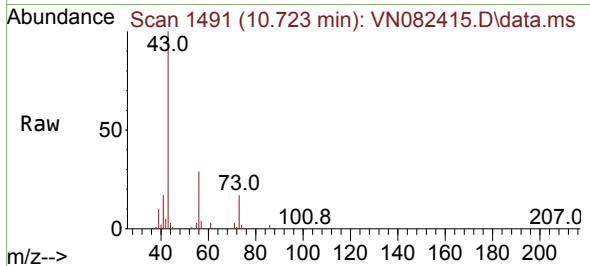




#53
 t-1,3-Dichloropropene
 Concen: 0.224 ug/l
 RT: 10.723 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082415.D
 Acq: 31 May 2024 17:59

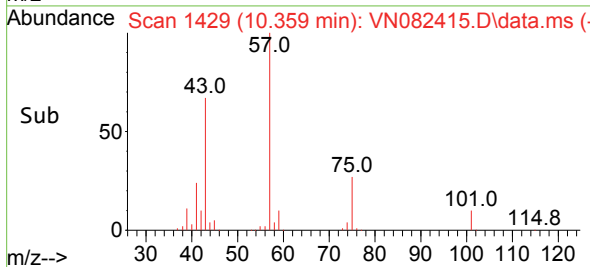
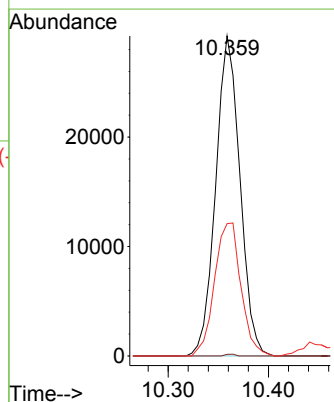
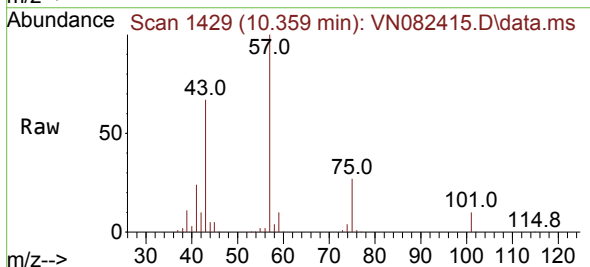
Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPR

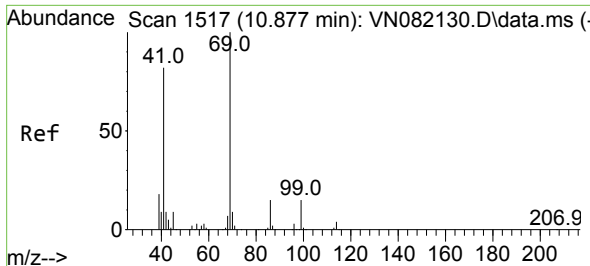
Tgt Ion: 75 Resp: 710
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.647 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082415.D
 Acq: 31 May 2024 17:59

Tgt Ion: 75 Resp: 49076
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 41.3 34.8 52.2

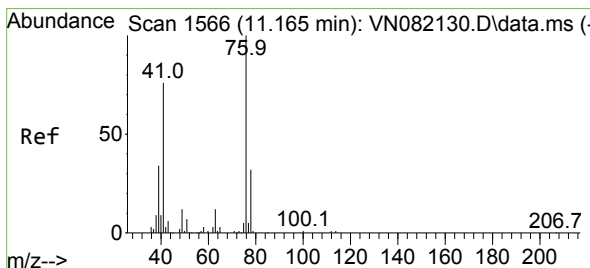
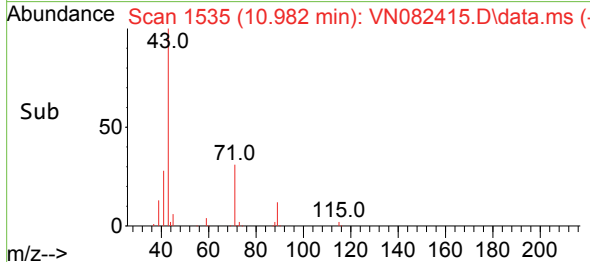
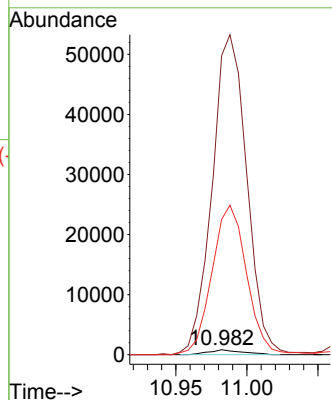
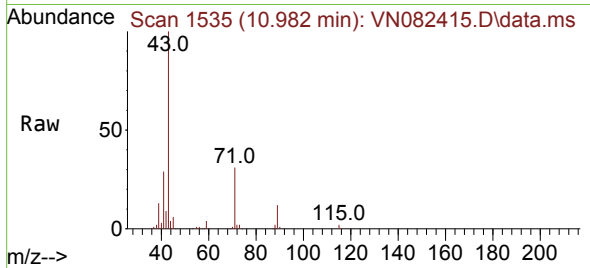




#56
Ethyl methacrylate
Concen: 0.426 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

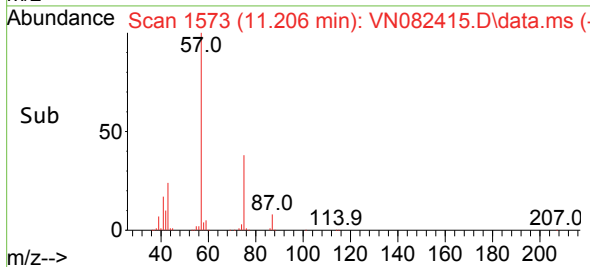
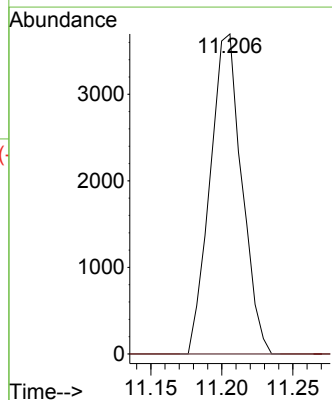
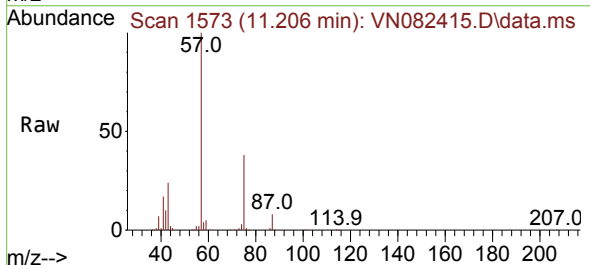
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

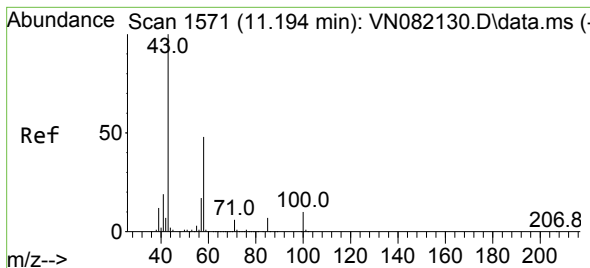
Tgt Ion: 69 Resp: 1351
Ion Ratio Lower Upper
69 100
41 6722.5 46.6 70.0#
39 3130.6 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.649 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 76 Resp: 5755
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

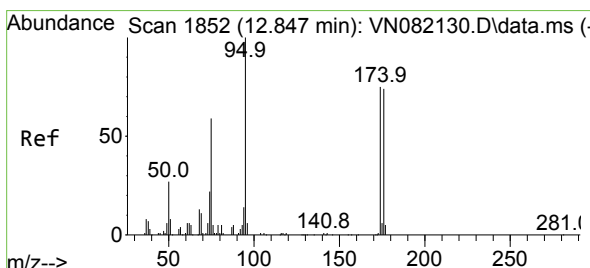
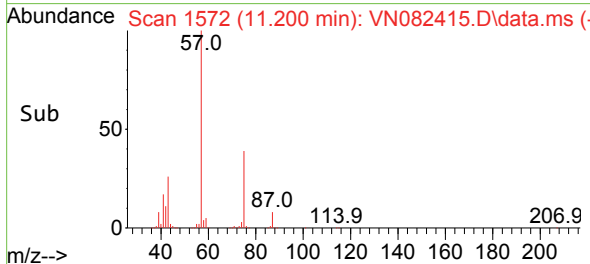
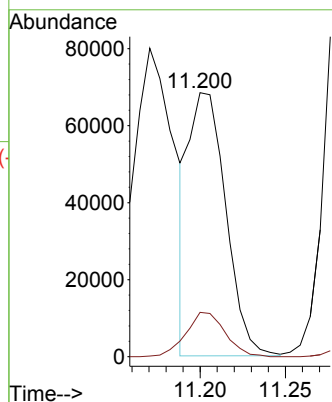
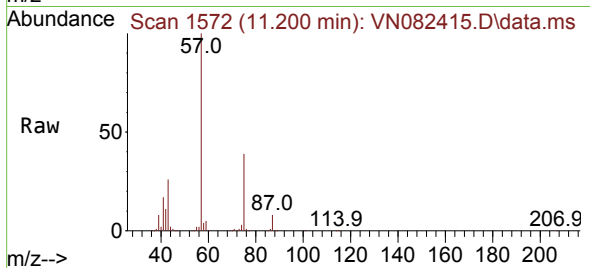




#59
2-Hexanone
Concen: 43.643 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

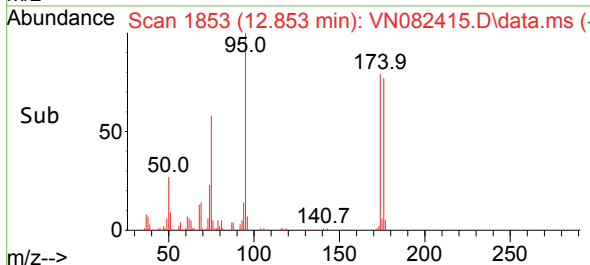
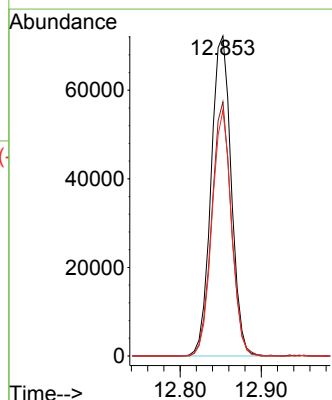
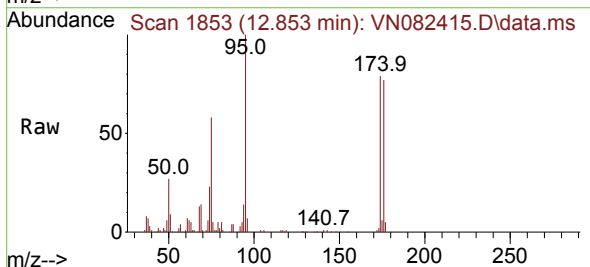
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

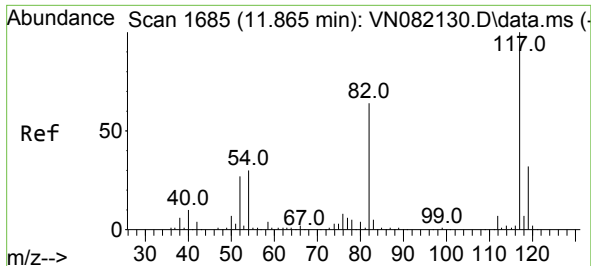
Tgt Ion: 43 Resp: 103336
Ion Ratio Lower Upper
43 100
58 17.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.166 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion: 95 Resp: 124502
Ion Ratio Lower Upper
95 100
174 76.8 0.0 160.6
176 74.2 0.0 152.8

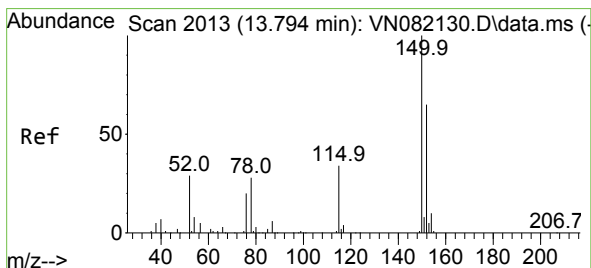
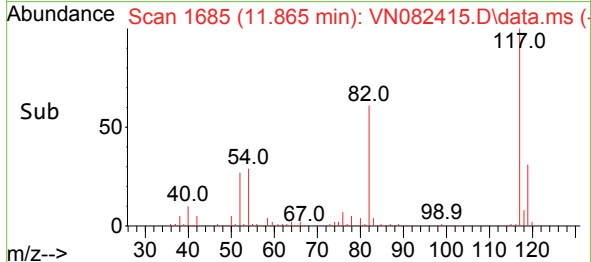
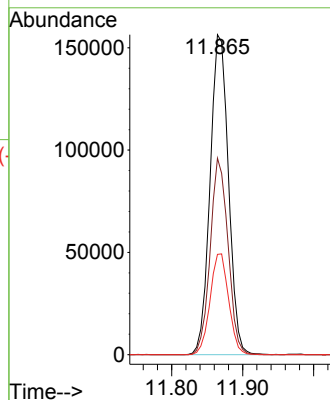
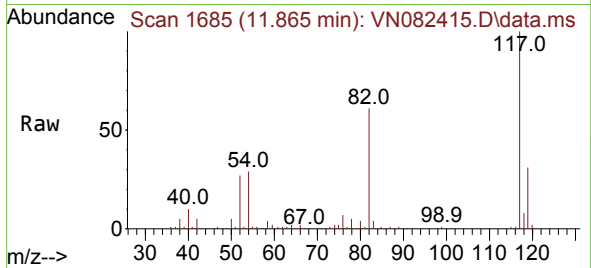




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

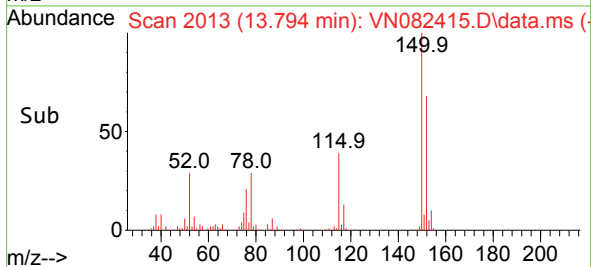
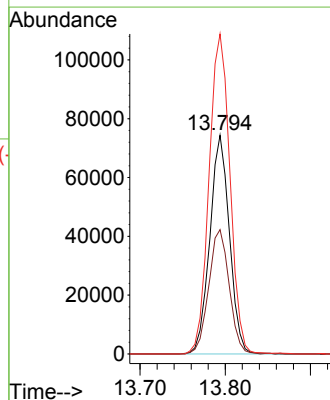
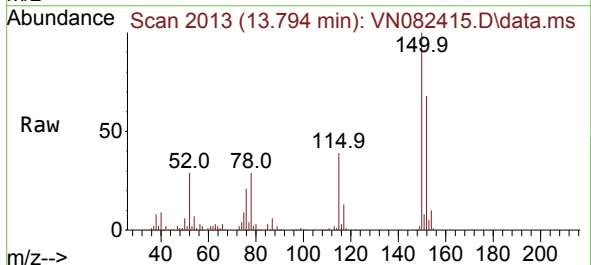
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPR

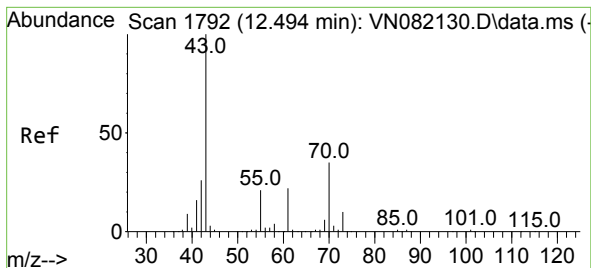
Tgt Ion:117 Resp: 280416
Ion Ratio Lower Upper
117 100
82 61.4 44.6 66.8
119 31.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082415.D
Acq: 31 May 2024 17:59

Tgt Ion:152 Resp: 118868
Ion Ratio Lower Upper
152 100
115 59.4 30.4 91.3
150 155.5 0.0 353.2





#74

N-amy1 acetate

Concen: 0.214 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN082415.D

Acq: 31 May 2024 17:59

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPR

Tgt Ion: 43 Resp: 1110

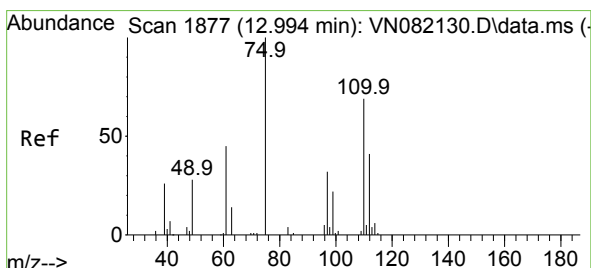
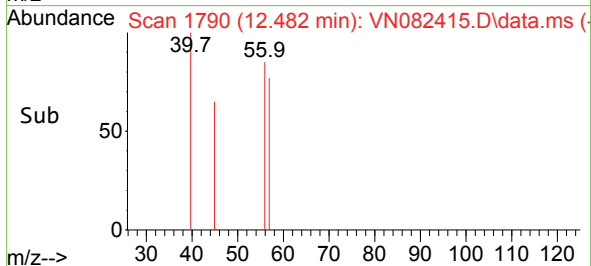
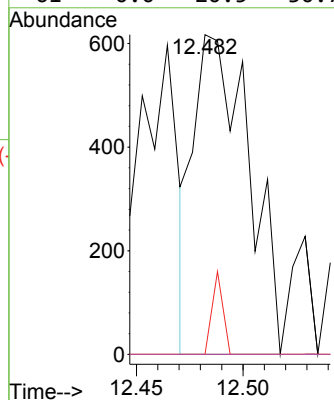
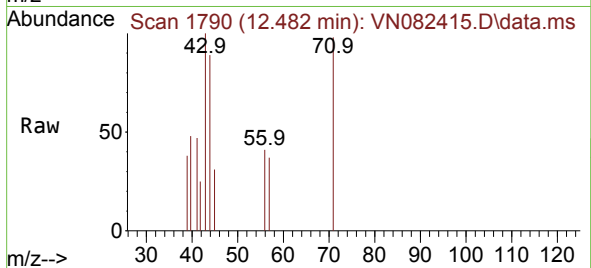
Ion Ratio Lower Upper

43 100

70 0.0 39.0 58.4#

55 5.0 21.3 31.9#

61 0.0 20.5 30.7#



#76

1,2,3-Trichloropropane

Concen: 29.249 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082415.D

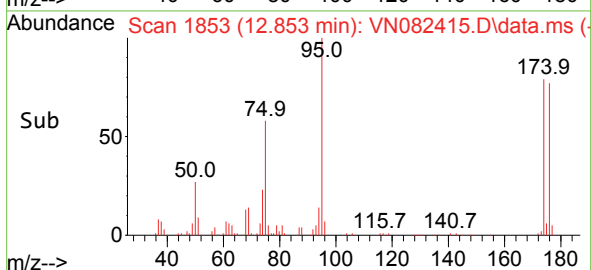
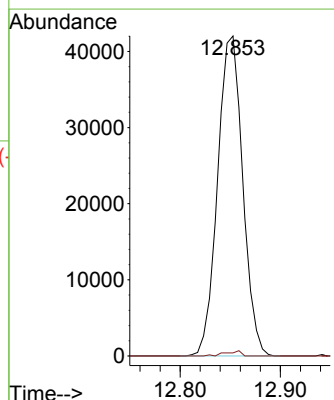
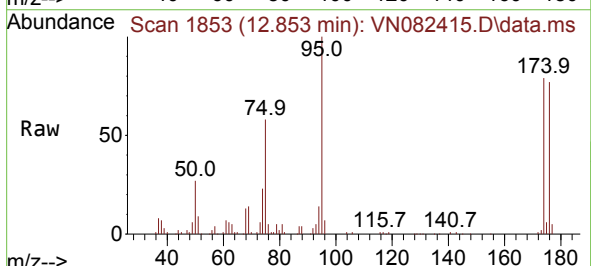
Acq: 31 May 2024 17:59

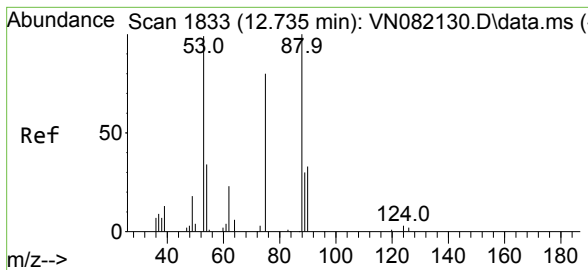
Tgt Ion: 75 Resp: 73178

Ion Ratio Lower Upper

75 100

77 1.0 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.413 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.117 min
 Lab File: VN082415.D
 Acq: 31 May 2024 17:59

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPR

Tgt Ion: 75 Resp: 73178
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

