

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082249.D
 Acq On : 21 May 2024 18:43
 Operator : JC\MD
 Sample : P2539-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPQ

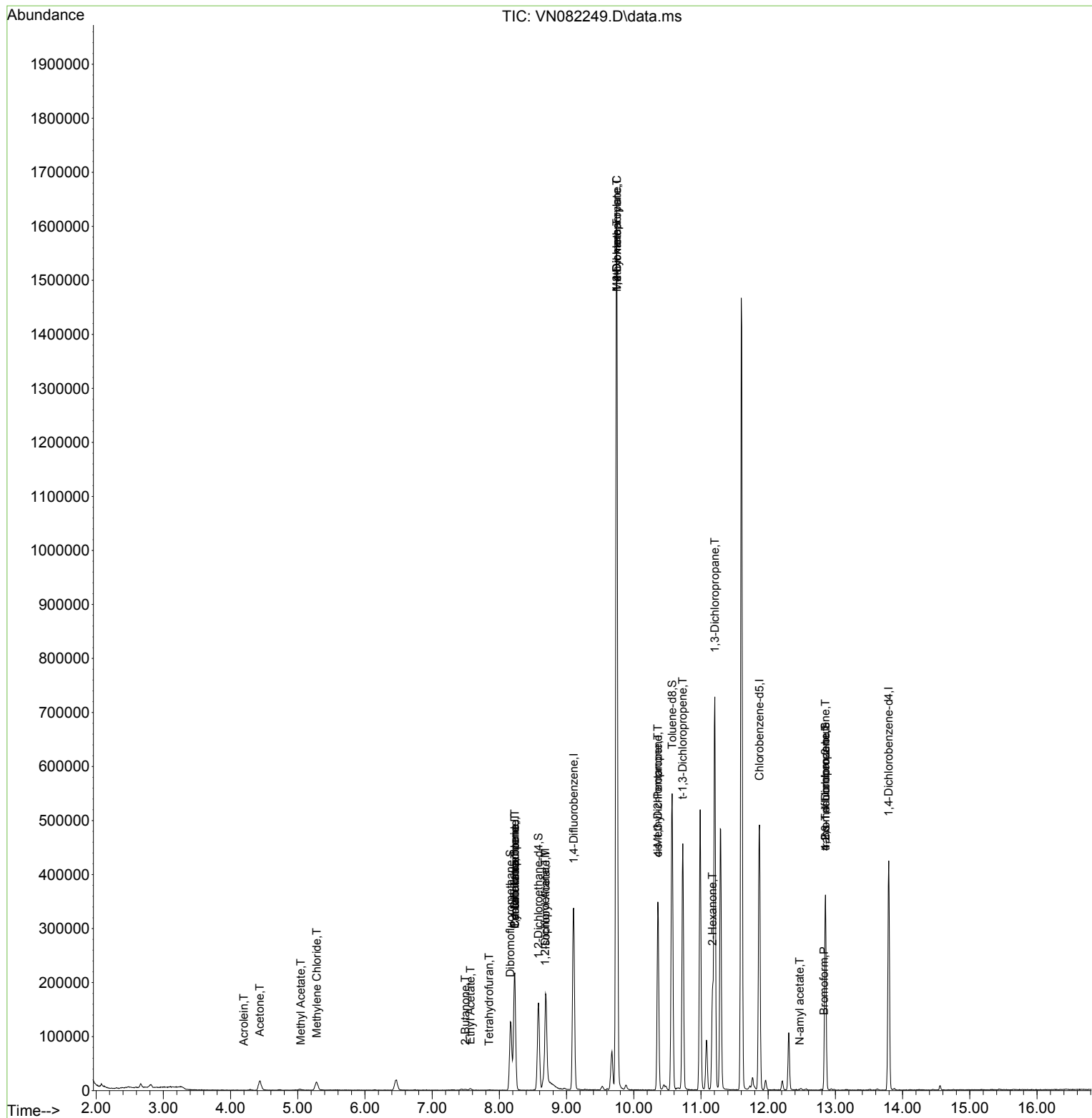
Quant Time: May 22 01:31:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

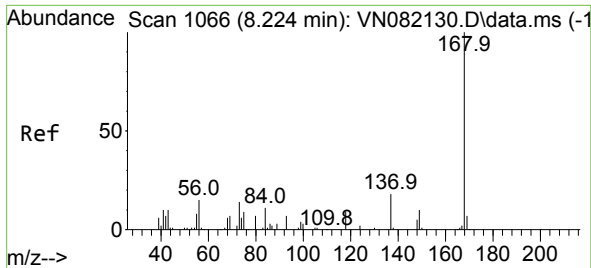
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	149294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	270842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	263407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	131689	55.862	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.720%	
35) Dibromofluoromethane	8.165	113	89291	53.593	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.180%	
50) Toluene-d8	10.571	98	356501	55.811	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.620%	
62) 4-Bromofluorobenzene	12.853	95	115462	50.643	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.280%	
Target Compounds						Qvalue
13) Acrolein	4.200	56	205	0.731	ug/l #	46
16) Acetone	4.436	43	35007	36.200	ug/l #	87
18) Methyl Acetate	5.048	43	3593	1.492	ug/l #	73
20) Methylene Chloride	5.283	84	10484	5.373	ug/l #	80
25) 2-Butanone	7.494	43	3260	2.223	ug/l #	86
29) Tetrahydrofuran	7.847	42	719	0.764	ug/l #	36
31) Cyclohexane	8.230	56	4444	1.180	ug/l #	2
36) 1,1-Dichloropropene	8.230	75	13911	4.978	ug/l #	44
37) Ethyl Acetate	7.571	43	4947	1.582	ug/l #	79
38) Carbon Tetrachloride	8.230	117	16254	5.738	ug/l #	17
42) 1,2-Dichloroethane	8.683	62	699	0.218	ug/l #	73
43) Isopropyl Acetate	8.688	43	250405	45.190	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1901	0.884	ug/l #	45
48) Methyl methacrylate	9.747	41	164851	62.436	ug/l #	37
49) 1,4-Dioxane	9.747	88	122	3.297	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	138881	44.113	ug/l #	43
53) t-1,3-Dichloropropene	10.729	75	936	0.304	ug/l #	68
54) cis-1,3-Dichloropropene	10.359	75	53668	16.452	ug/l #	76
57) 1,3-Dichloropropane	11.206	76	7042	2.073	ug/l #	42
59) 2-Hexanone	11.171	43	150742	65.392	ug/l #	23
71) Bromoform	12.829	173	118	0.777	ug/l #	28
74) N-amyl acetate	12.471	43	2457	0.541	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	68376	31.232	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	68376	73.051	ug/l #	12

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

Instrument :
MSVOA_N
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WCS-TPQ

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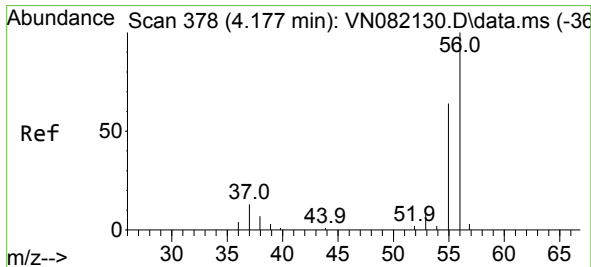
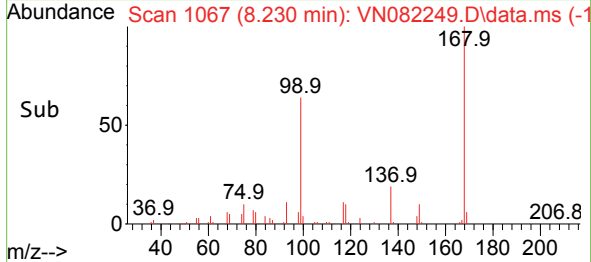
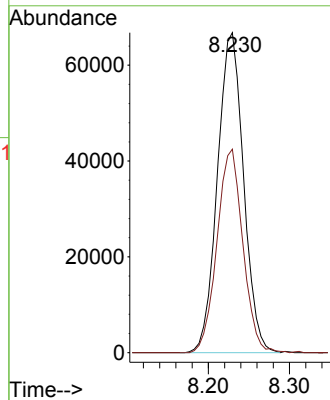
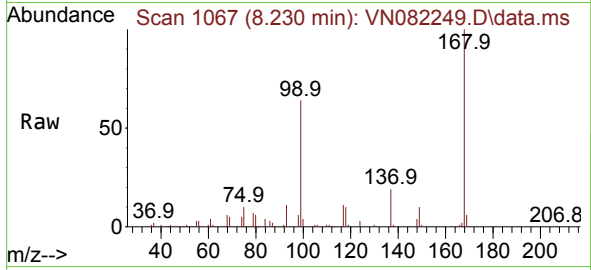




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

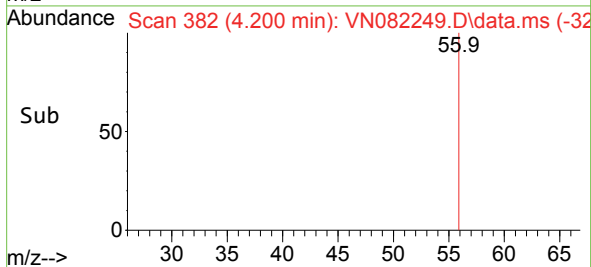
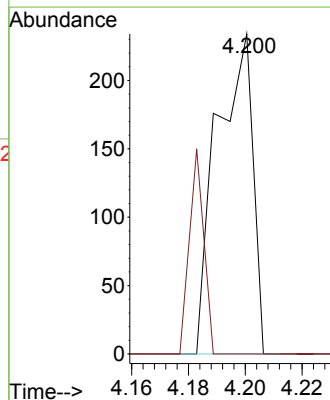
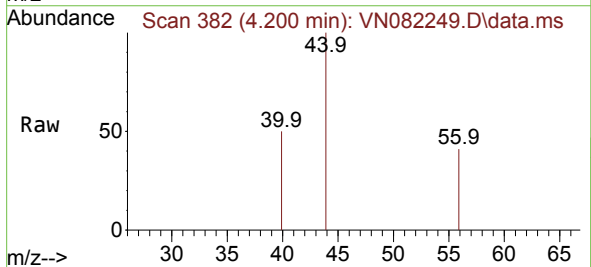
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

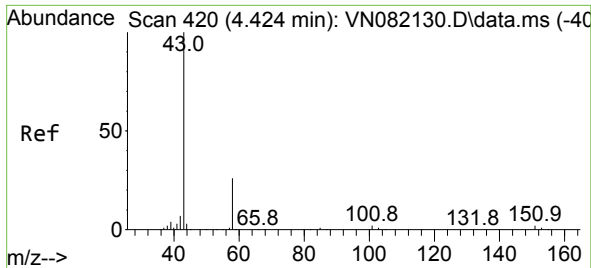
Tgt Ion:168 Resp: 149294
Ion Ratio Lower Upper
168 100
99 63.6 48.2 72.4



#13
Acrolein
Concen: 0.731 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.024 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion: 56 Resp: 205
Ion Ratio Lower Upper
56 100
55 25.9 55.8 83.8#

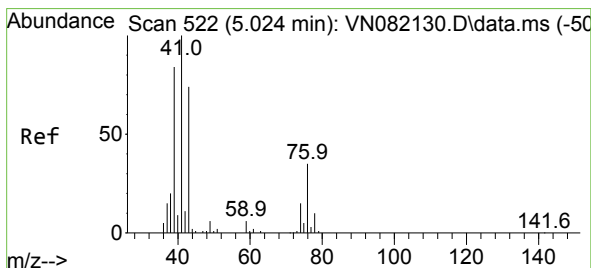
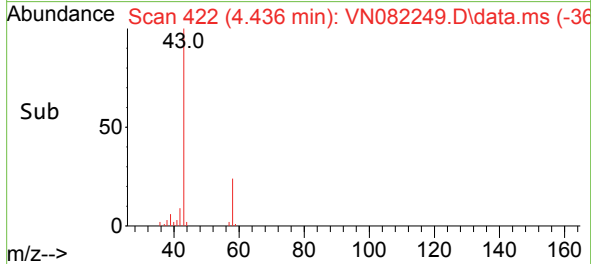
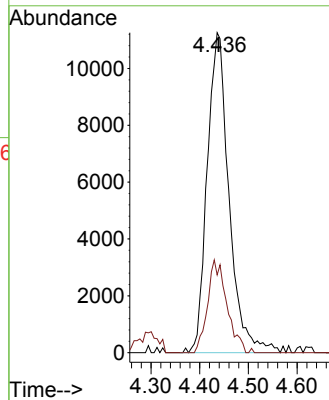
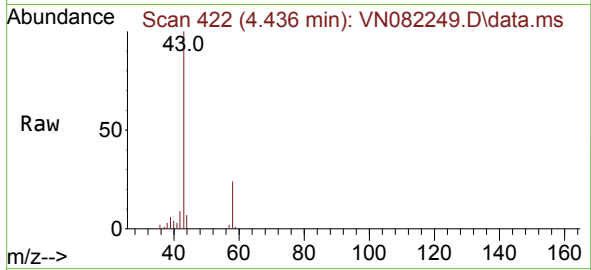




#16
Acetone
Concen: 36.200 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

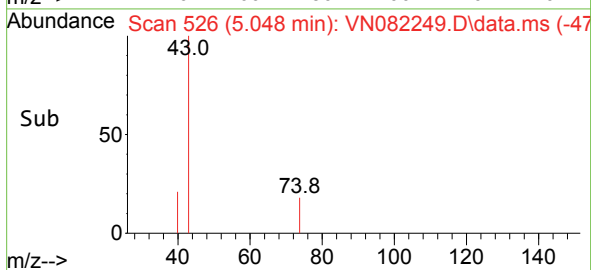
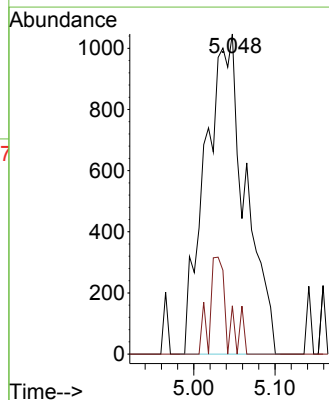
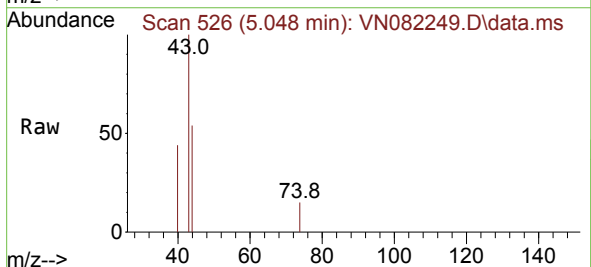
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

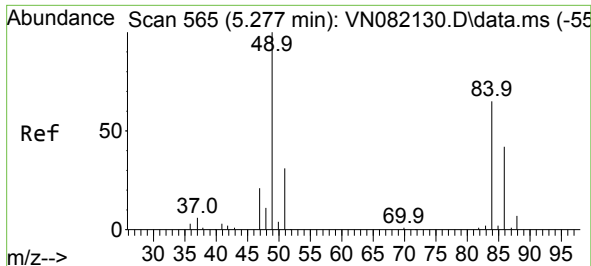
Tgt Ion: 43 Resp: 35007
Ion Ratio Lower Upper
43 100
58 24.3 25.2 37.8#



#18
Methyl Acetate
Concen: 1.492 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.024 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion: 43 Resp: 3593
Ion Ratio Lower Upper
43 100
74 13.7 22.2 33.2#





#20

Methylene Chloride

Concen: 5.373 ug/l

RT: 5.283 min Scan# 5

Delta R.T. 0.006 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPQ

Tgt Ion: 84 Resp: 10484

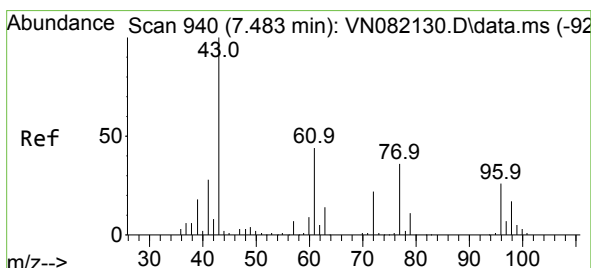
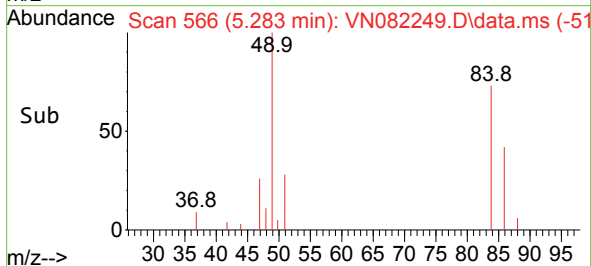
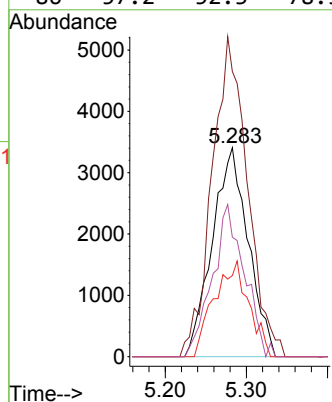
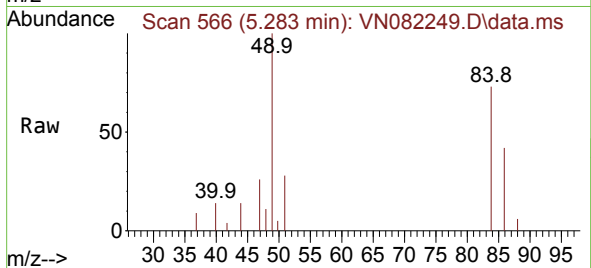
Ion Ratio Lower Upper

84 100

49 136.5 84.9 127.3#

51 38.8 27.0 40.6

86 57.2 52.3 78.5



#25

2-Butanone

Concen: 2.223 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN082249.D

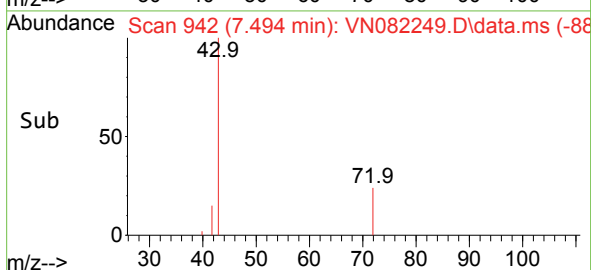
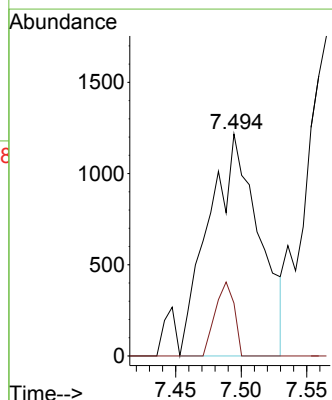
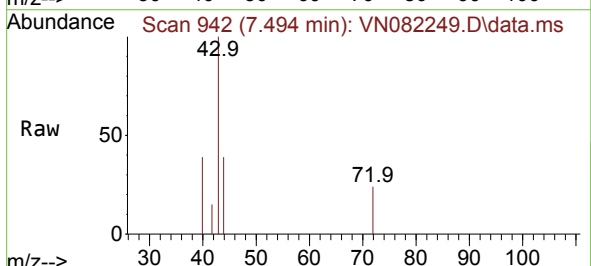
Acq: 21 May 2024 18:43

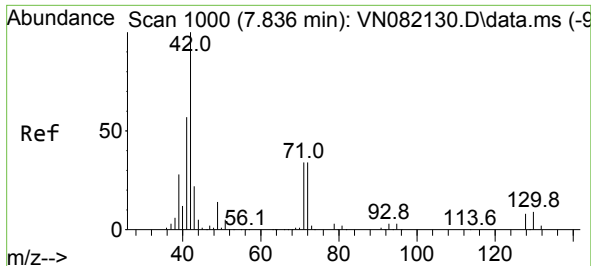
Tgt Ion: 43 Resp: 3260

Ion Ratio Lower Upper

43 100

72 23.8 25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.764 ug/l

RT: 7.847 min Scan# 1000

Delta R.T. 0.011 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPQ

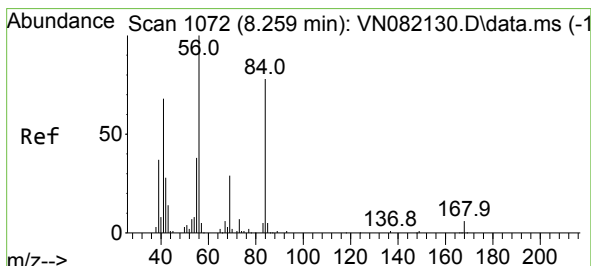
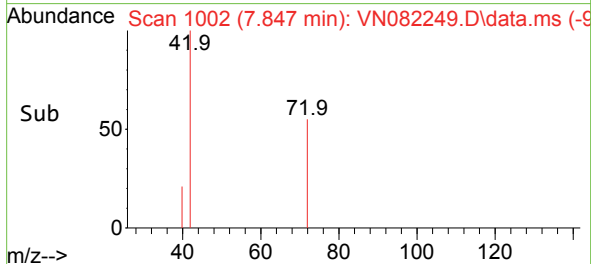
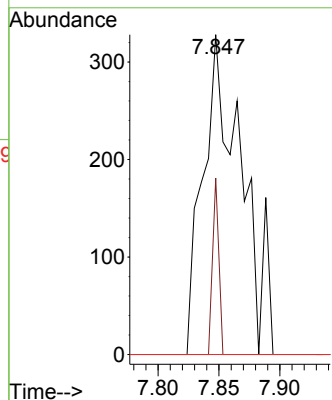
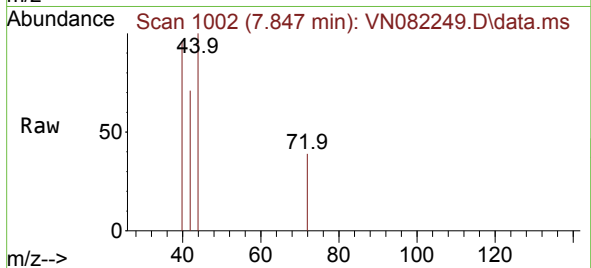
Tgt Ion: 42 Resp: 719

Ion Ratio Lower Upper

42 100

72 8.9 39.3 58.9#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.180 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.029 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

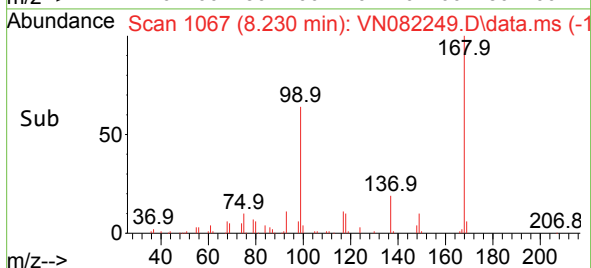
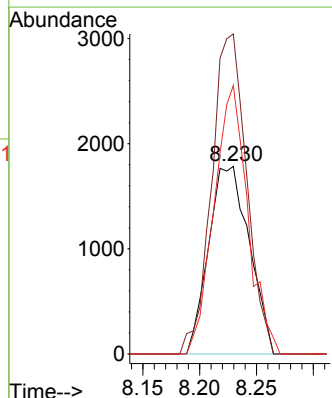
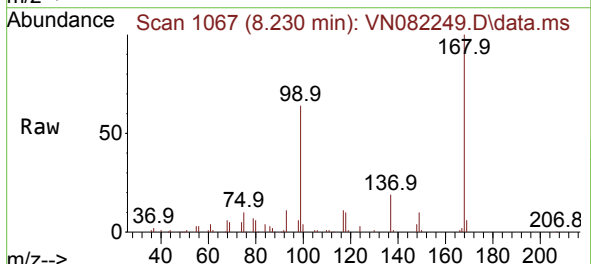
Tgt Ion: 56 Resp: 4444

Ion Ratio Lower Upper

56 100

69 170.6 24.4 36.6#

84 143.2 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 55.862 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

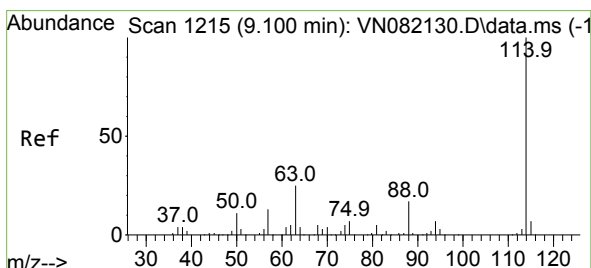
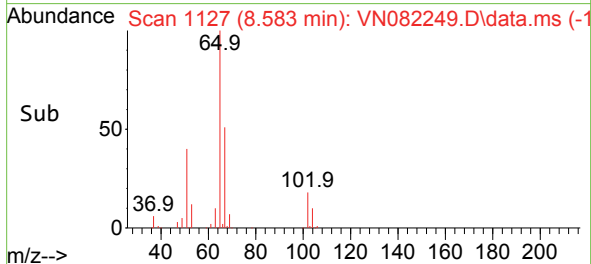
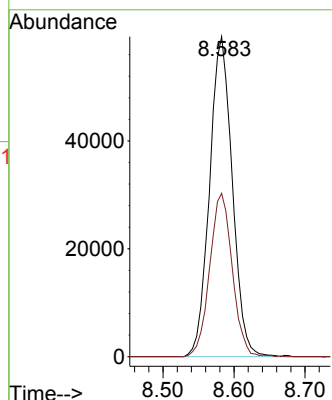
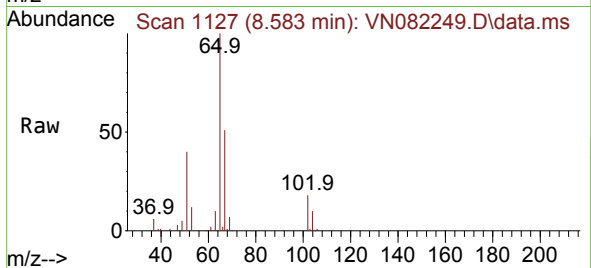
WCS-TPQ

Tgt Ion: 65 Resp: 131689

Ion Ratio Lower Upper

65 100

67 50.7 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: VN082249.D

Acq: 21 May 2024 18:43

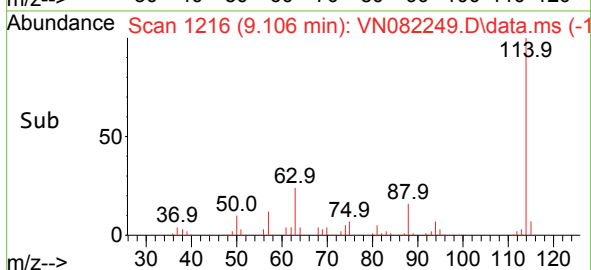
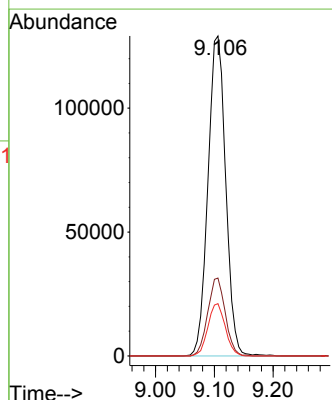
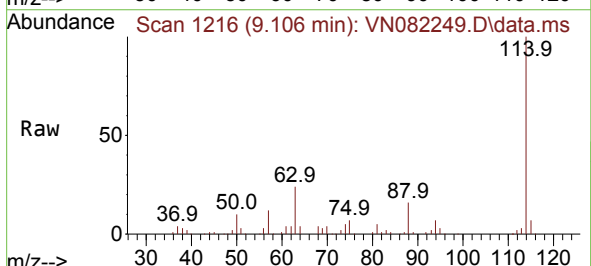
Tgt Ion: 114 Resp: 270842

Ion Ratio Lower Upper

114 100

63 24.4 0.0 41.0

88 16.3 0.0 31.4

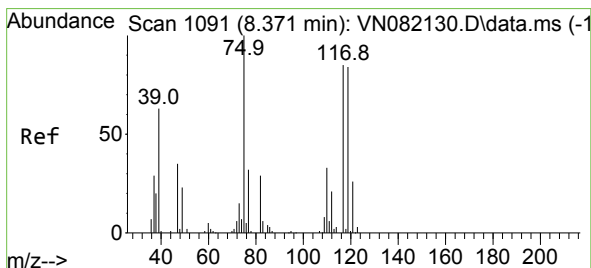
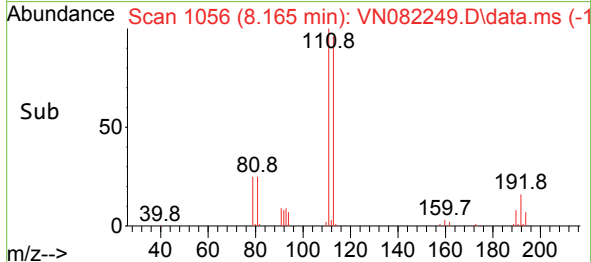
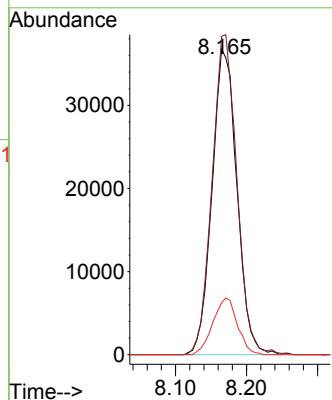
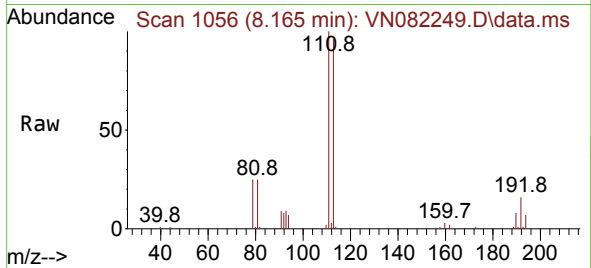




#35
Dibromofluoromethane
Concen: 53.593 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

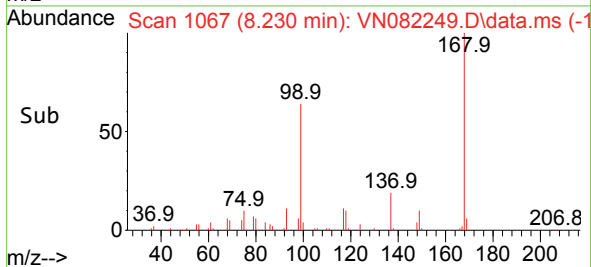
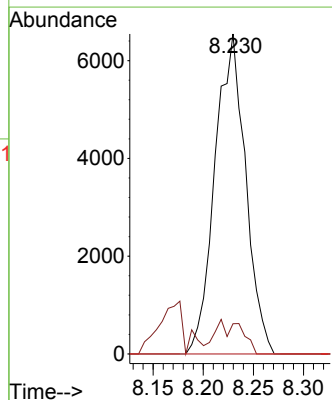
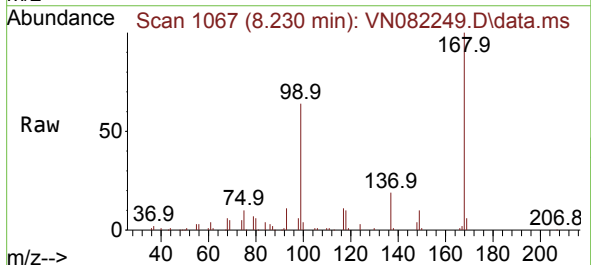
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Tgt Ion:113 Resp: 89291
Ion Ratio Lower Upper
113 100
111 104.6 83.4 125.2
192 18.3 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.978 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion: 75 Resp: 13911
Ion Ratio Lower Upper
75 100
110 2.7 17.8 53.5#
77 0.0 25.0 37.4#

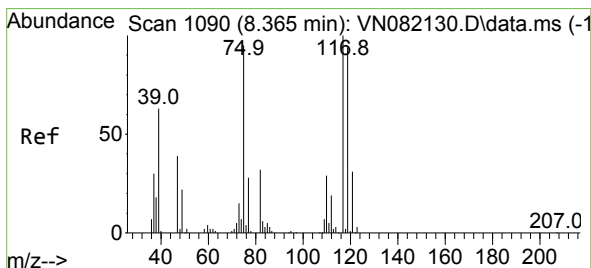
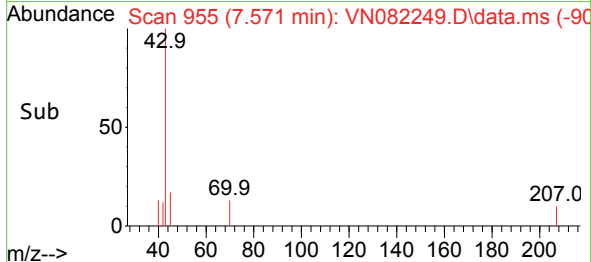
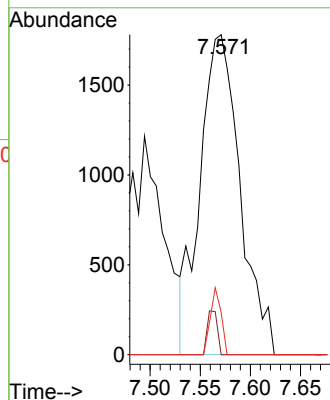
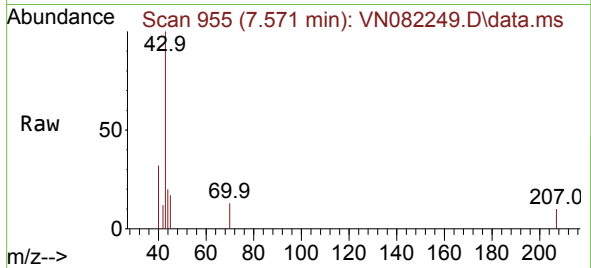




#37
Ethyl Acetate
Concen: 1.582 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

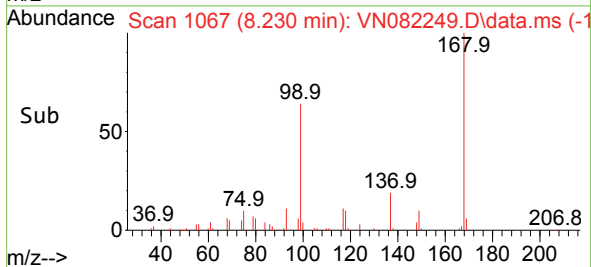
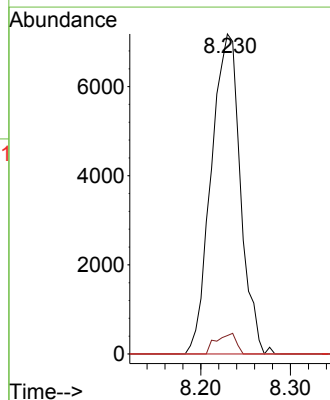
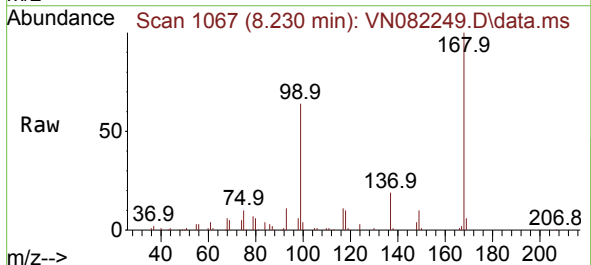
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

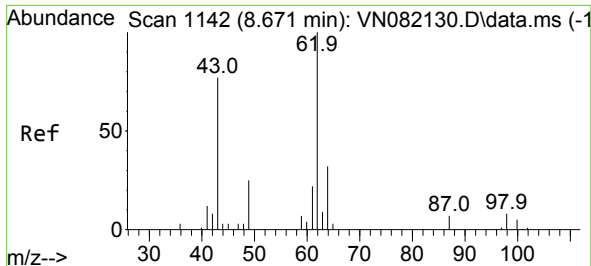
Tgt Ion: 43 Resp: 4947
Ion Ratio Lower Upper
43 100
61 3.5 11.3 16.9#
70 5.6 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.738 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion: 117 Resp: 16254
Ion Ratio Lower Upper
117 100
119 5.7 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

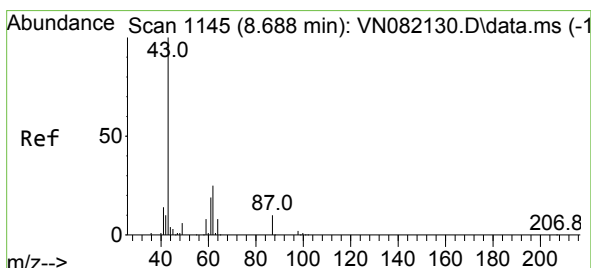
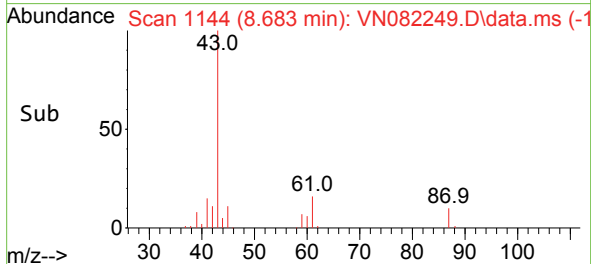
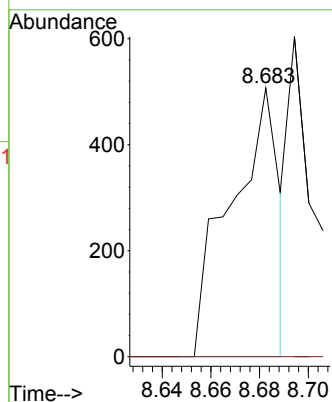
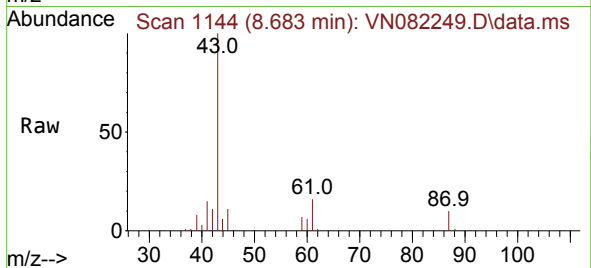
WCS-TPQ

Tgt Ion: 62 Resp: 699

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 45.190 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

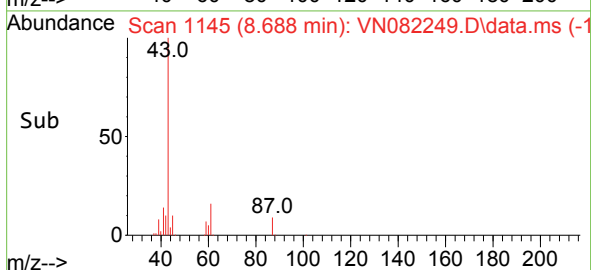
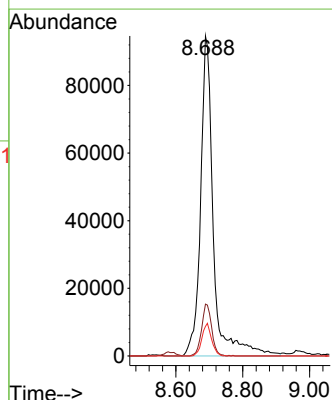
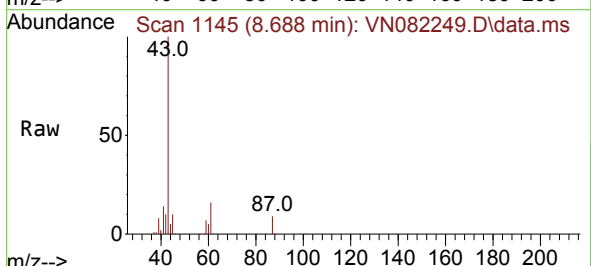
Tgt Ion: 43 Resp: 250405

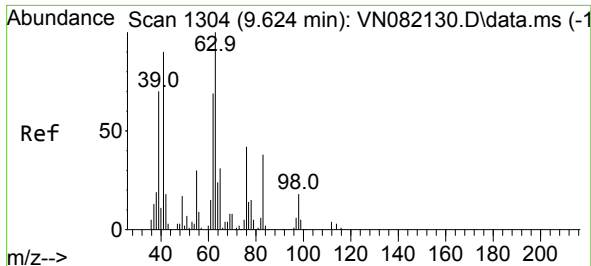
Ion Ratio Lower Upper

43 100

61 12.8 22.8 34.2#

87 7.7 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.884 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

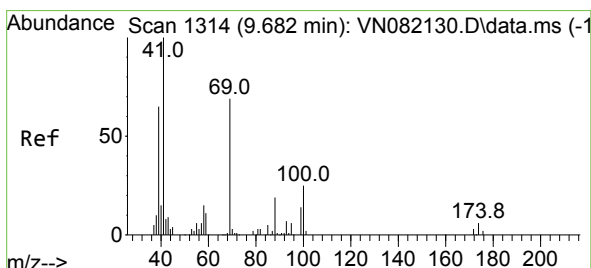
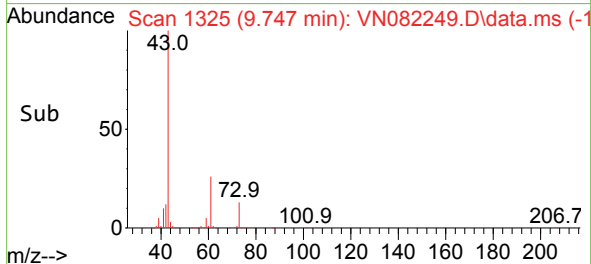
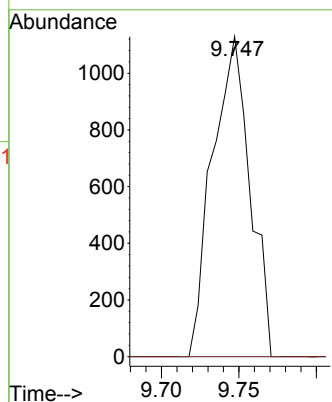
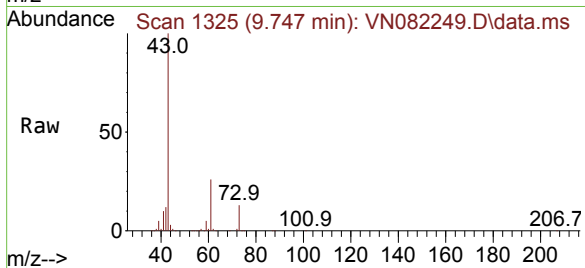
WCS-TPQ

Tgt Ion: 63 Resp: 1901

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 62.436 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

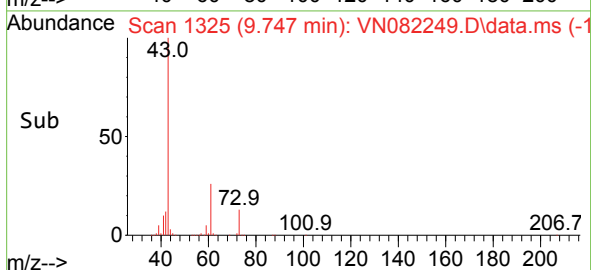
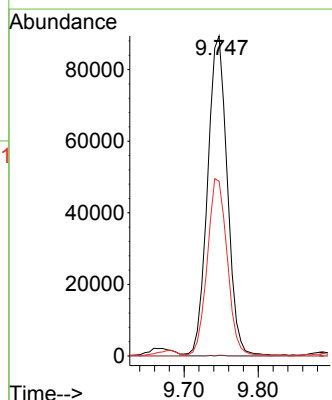
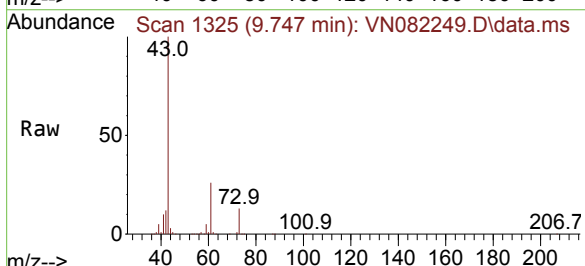
Tgt Ion: 41 Resp: 164851

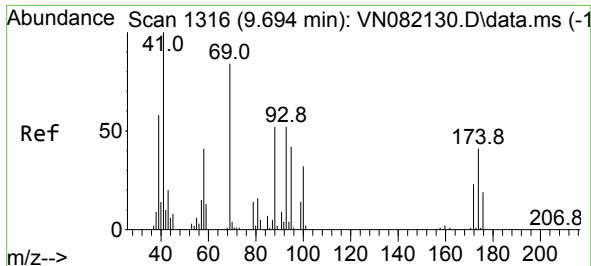
Ion Ratio Lower Upper

41 100

69 0.1 77.9 116.9#

39 56.4 50.9 76.3





#49

1,4-Dioxane

Concen: 3.297 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.053 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPQ

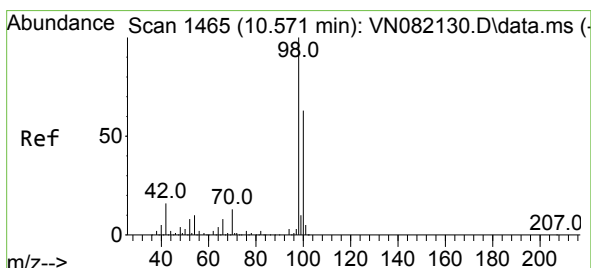
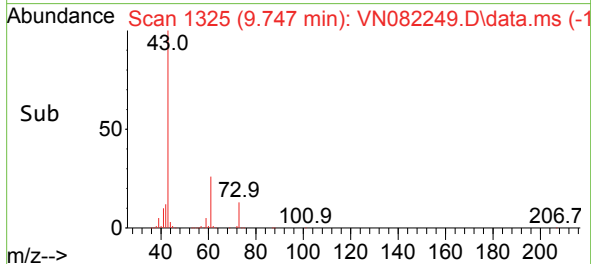
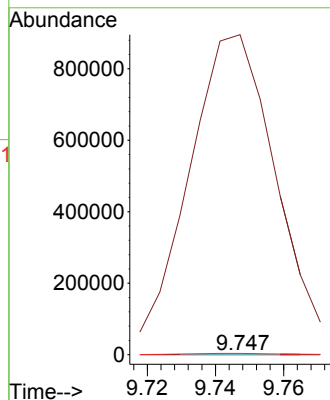
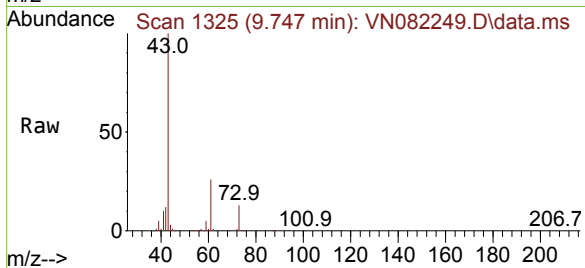
Tgt Ion: 88 Resp: 122

Ion Ratio Lower Upper

88 100

43 1332263.9 19.0 28.6#

58 5759.8 50.6 76.0#



#50

Toluene-d8

Concen: 55.811 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082249.D

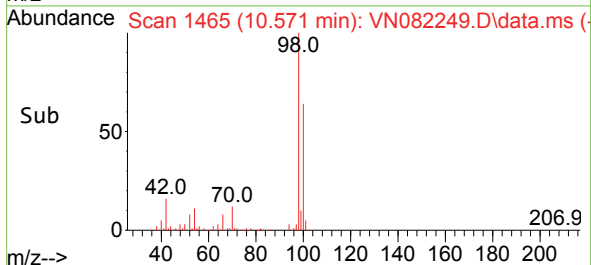
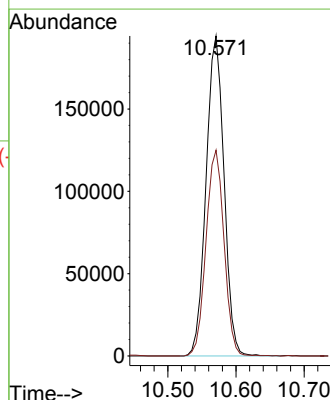
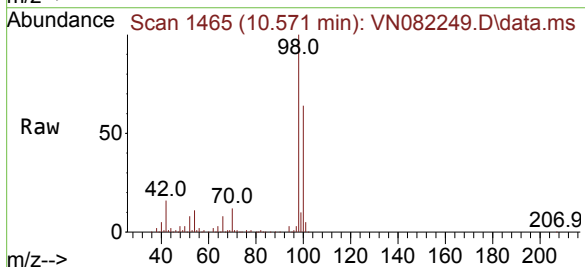
Acq: 21 May 2024 18:43

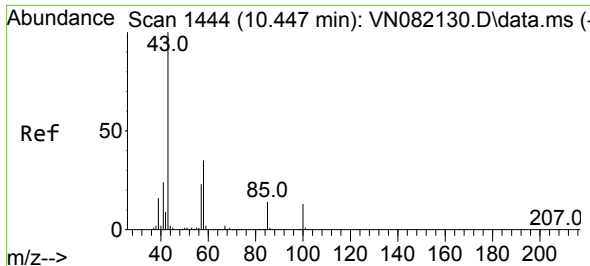
Tgt Ion: 98 Resp: 356501

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.6

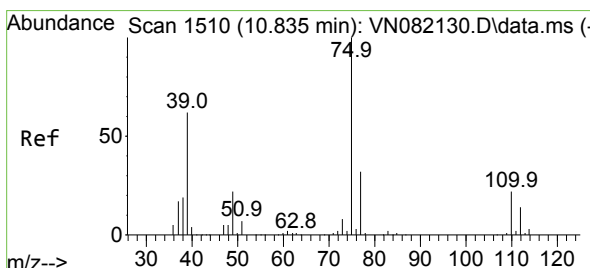
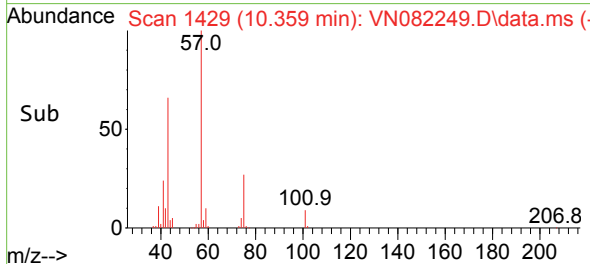
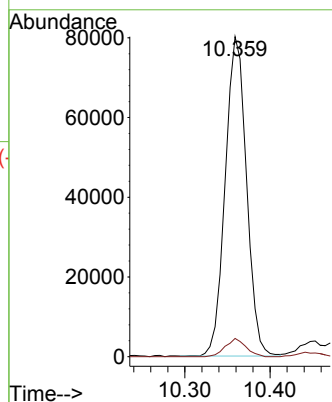
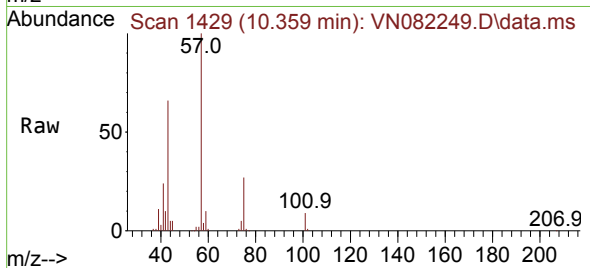




#51
4-Methyl-2-Pentanone
Concen: 44.113 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

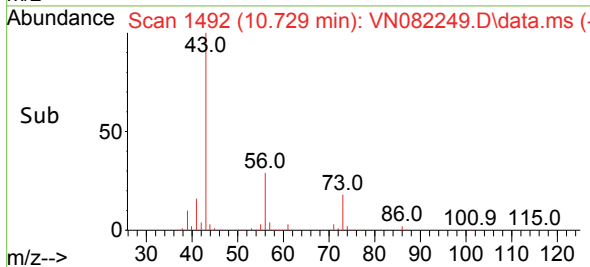
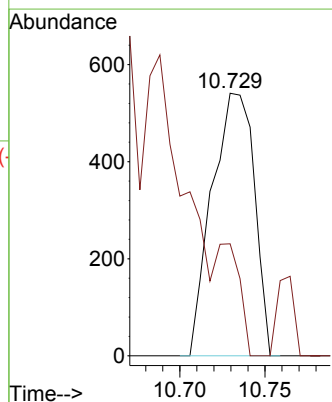
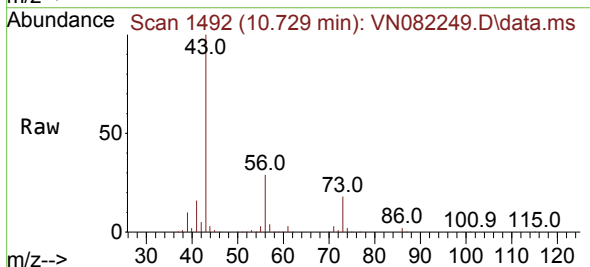
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

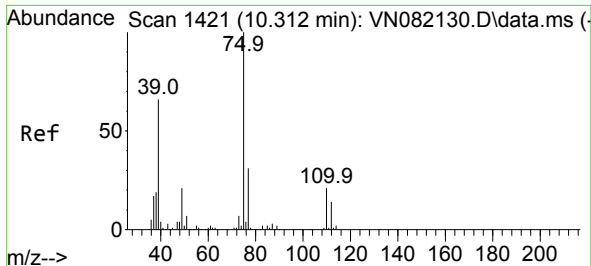
Tgt Ion: 43 Resp: 138881
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.304 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion: 75 Resp: 936
Ion Ratio Lower Upper
75 100
77 14.0 25.4 38.0#

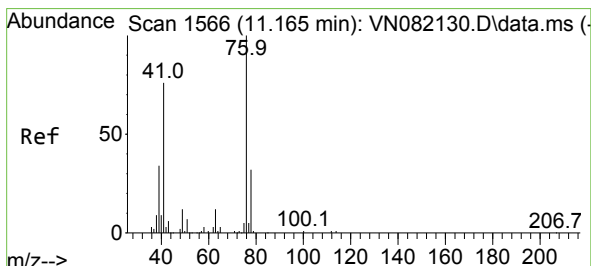
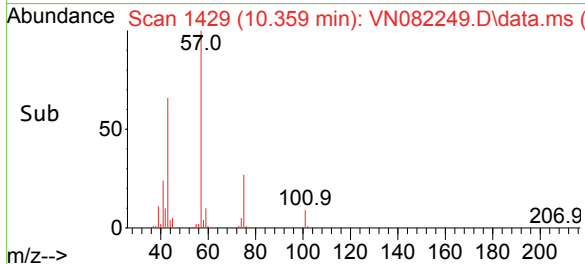
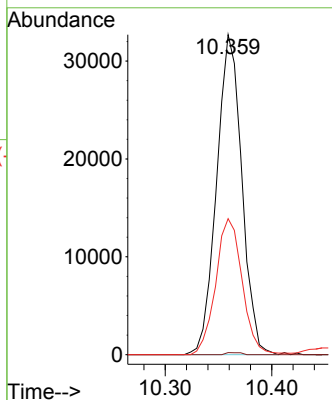
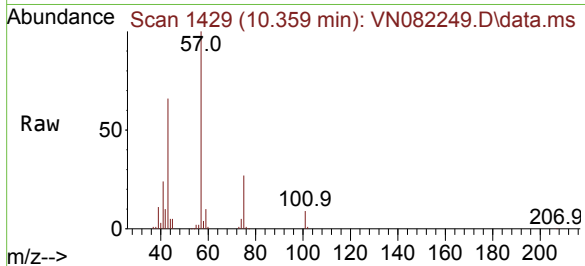




#54
cis-1,3-Dichloropropene
Concen: 16.452 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

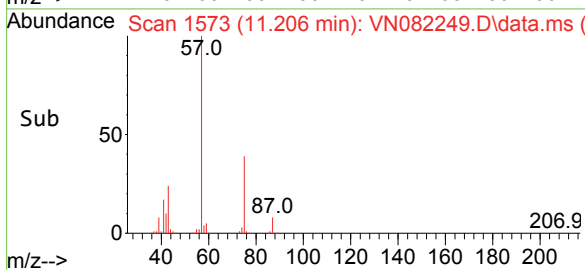
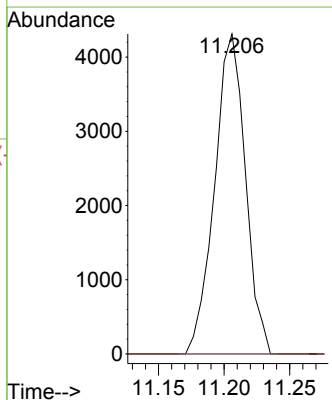
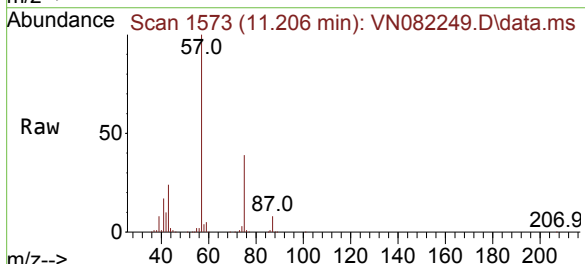
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

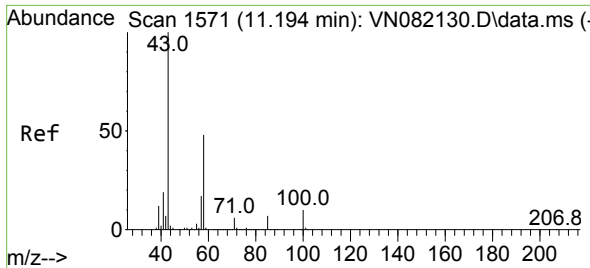
Tgt Ion:	75	Resp:	53668
Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.0	37.4#
39	42.5	34.8	52.2



#57
1,3-Dichloropropane
Concen: 2.073 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion:	76	Resp:	7042
Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.6#

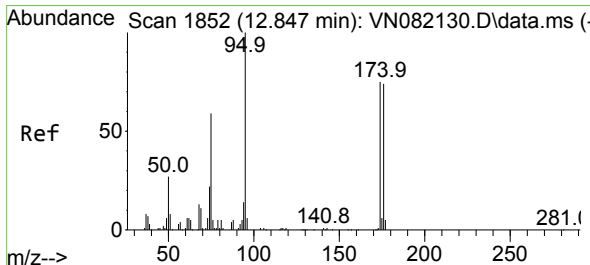
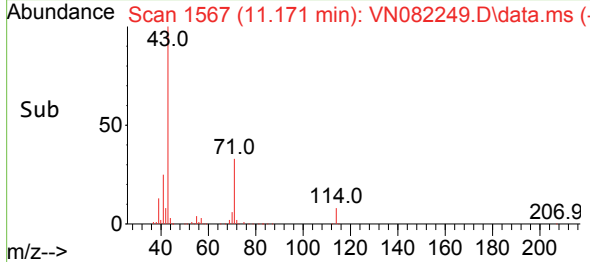
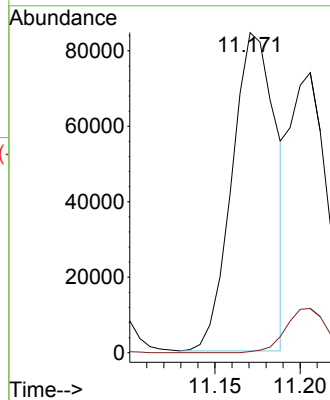
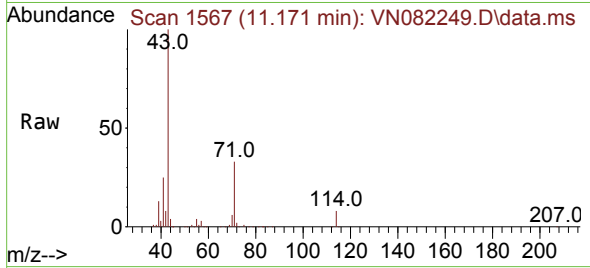




#59
2-Hexanone
Concen: 65.392 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

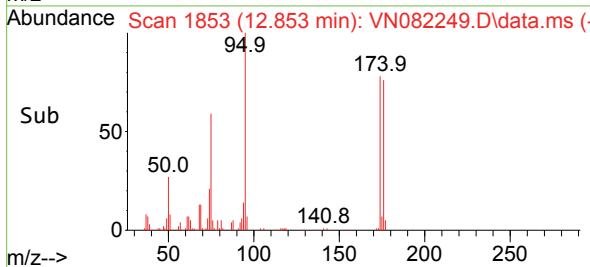
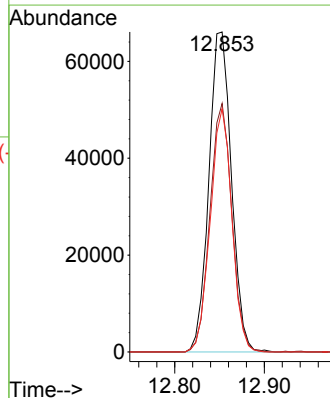
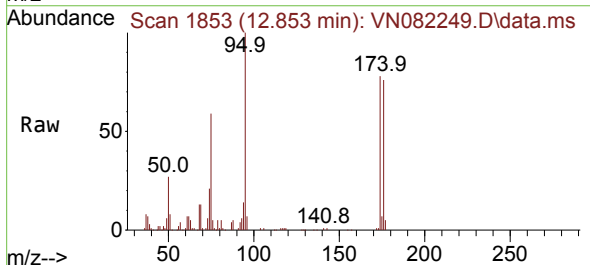
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

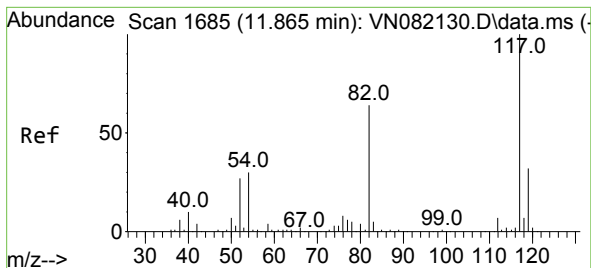
Tgt Ion: 43 Resp: 150742
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 50.643 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion: 95 Resp: 115462
Ion Ratio Lower Upper
95 100
174 75.5 0.0 160.6
176 72.7 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPQ

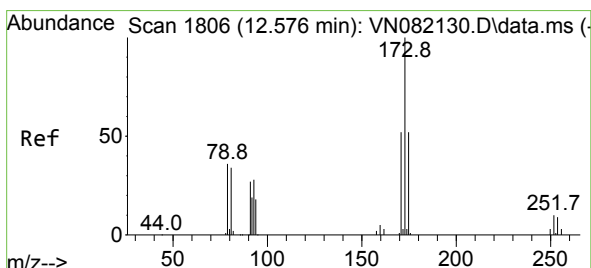
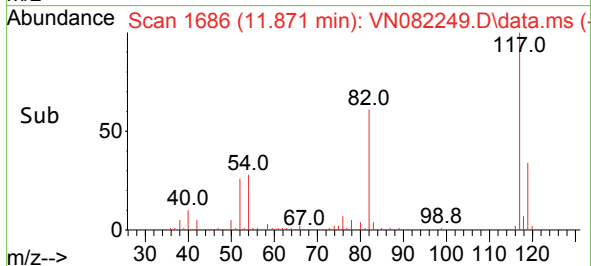
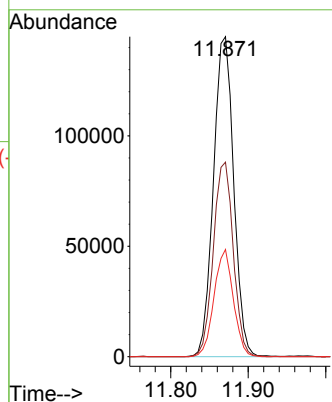
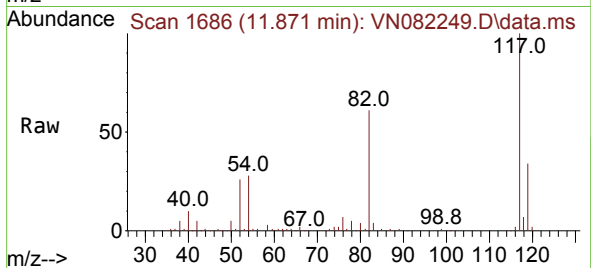
Tgt Ion:117 Resp: 263407

Ion Ratio Lower Upper

117 100

82 60.8 44.6 66.8

119 33.5 25.9 38.9



#71

Bromoform

Concen: 0.777 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.253 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

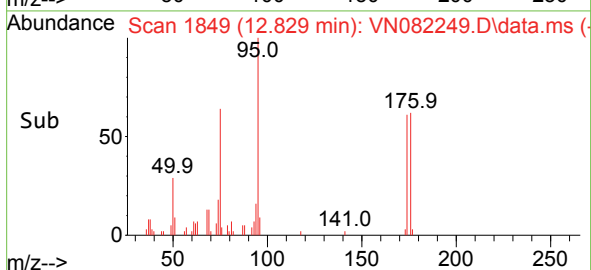
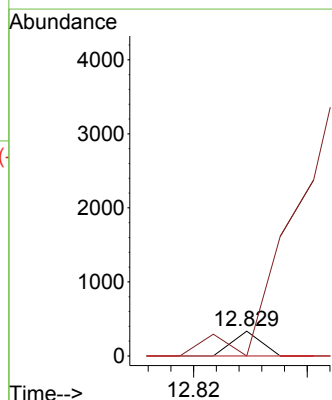
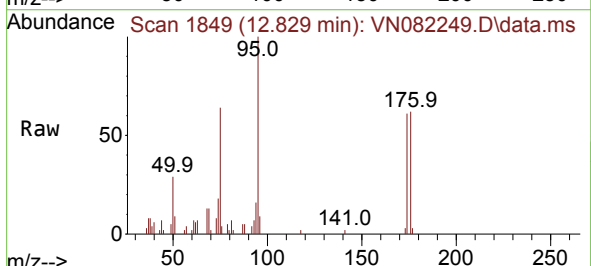
Tgt Ion:173 Resp: 118

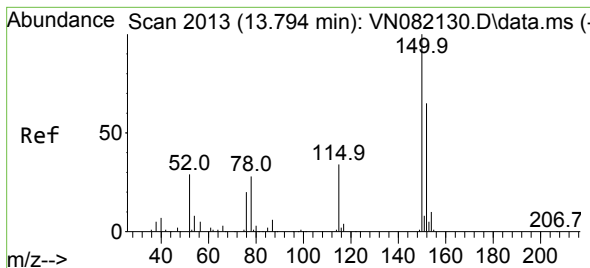
Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPQ

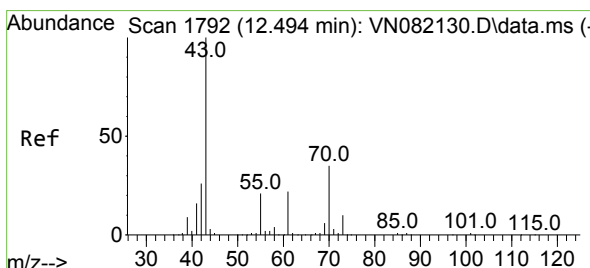
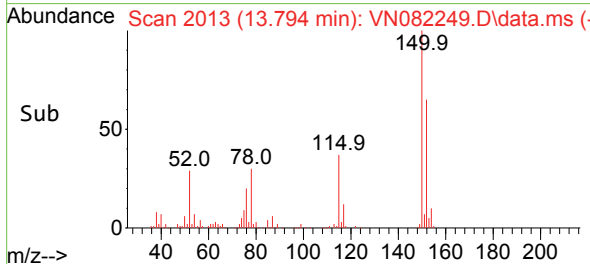
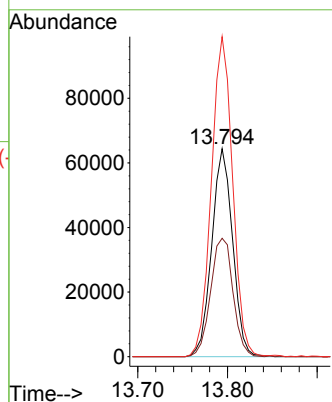
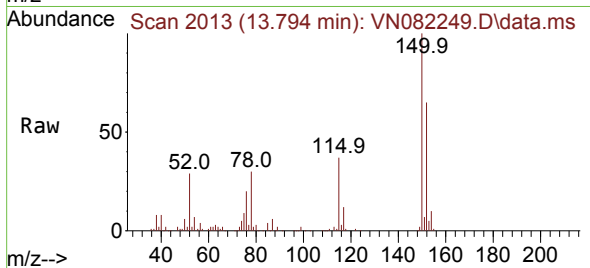
Tgt Ion:152 Resp: 104016

Ion Ratio Lower Upper

152 100

115 61.1 30.4 91.3

150 156.9 0.0 353.2



#74

N-ethyl acetate

Concen: 0.541 ug/l

RT: 12.471 min Scan# 1788

Delta R.T. -0.024 min

Lab File: VN082249.D

Acq: 21 May 2024 18:43

Tgt Ion: 43 Resp: 2457

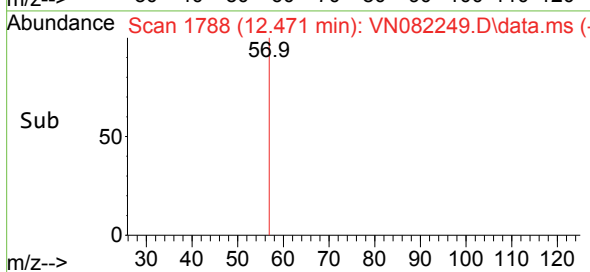
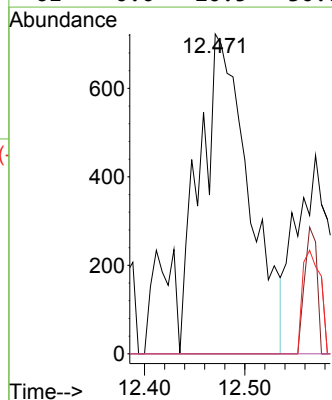
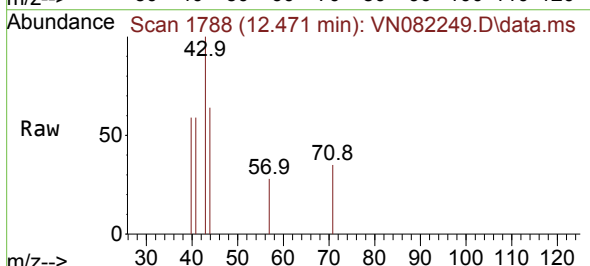
Ion Ratio Lower Upper

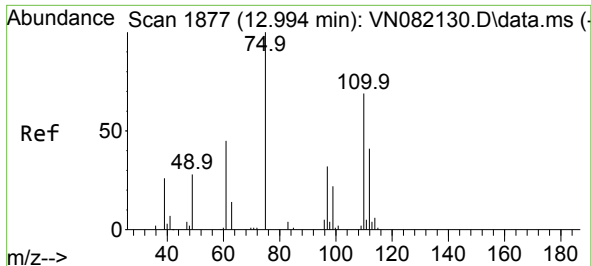
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

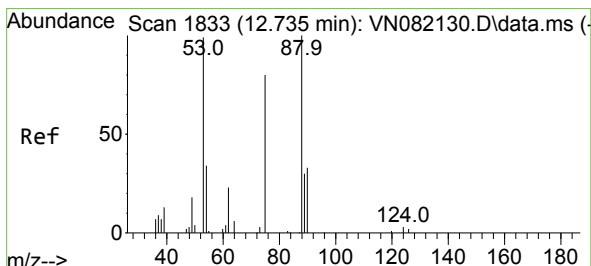
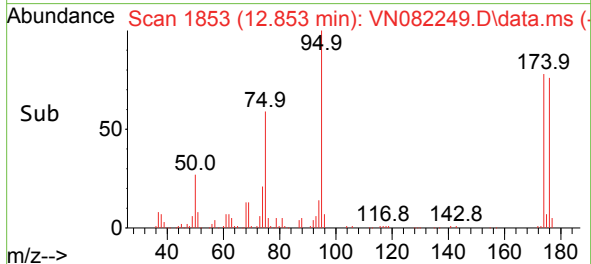
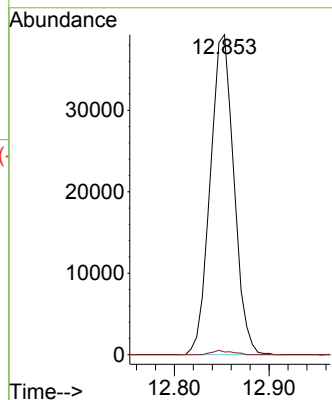
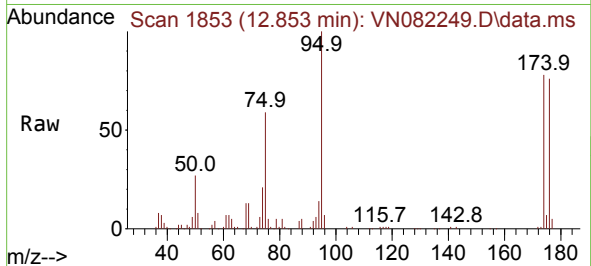




#76
1,2,3-Trichloropropane
Concen: 31.232 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

Tgt Ion: 75 Resp: 68376
Ion Ratio Lower Upper
75 100
77 1.1 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.051 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082249.D
Acq: 21 May 2024 18:43

Tgt Ion: 75 Resp: 68376
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#

