

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082248.D
 Acq On : 21 May 2024 18:18
 Operator : JC\MD
 Sample : P2539-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPQ

Quant Time: May 22 01:30:37 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)

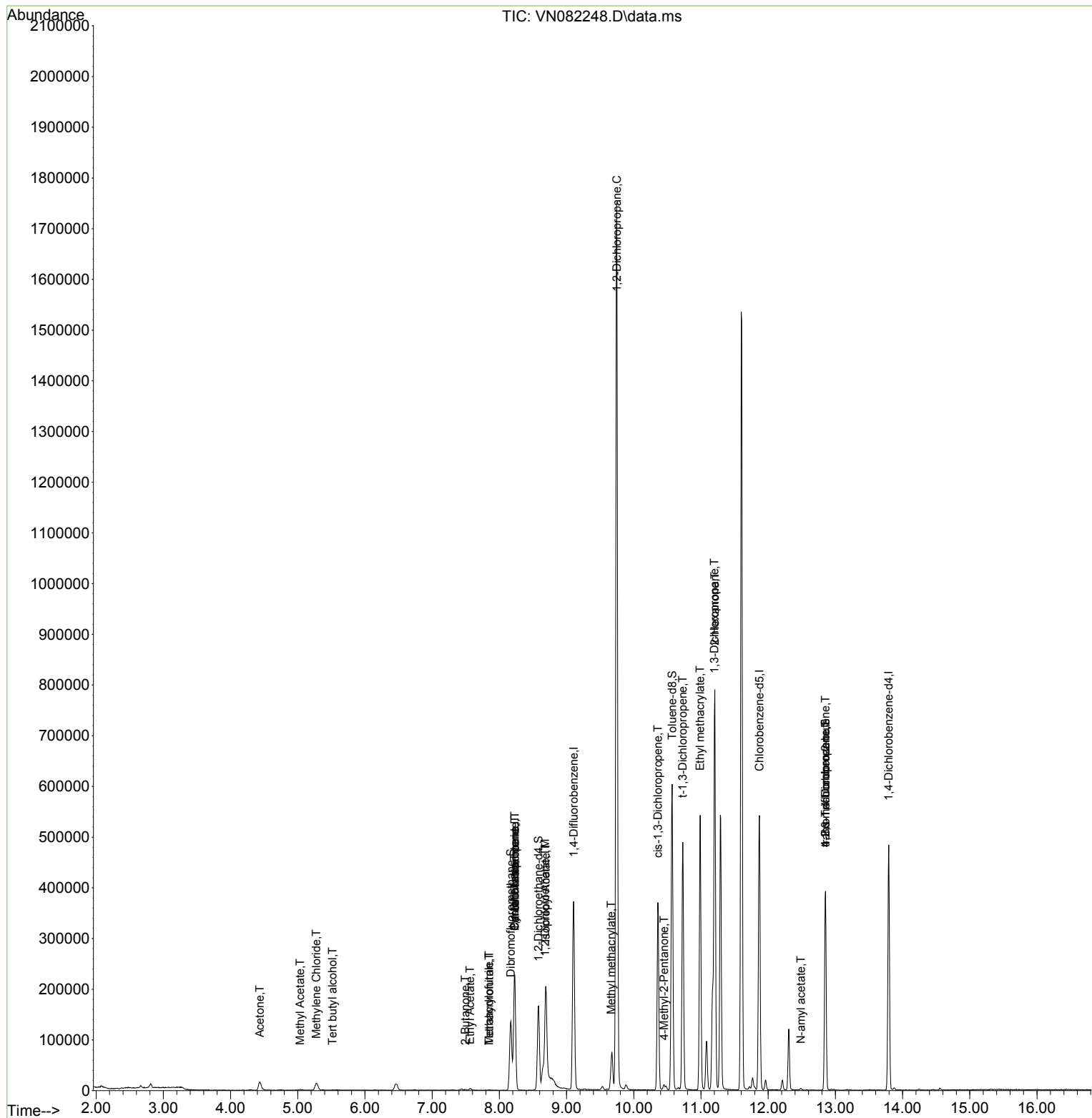
Internal Standards						
1) Pentafluorobenzene	8.230	168	160201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	285945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118430	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135535	53.579	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.160%	
35) Dibromofluoromethane	8.171	113	96341	53.776	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.560%	
50) Toluene-d8	10.571	98	383897	55.891	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.780%	
62) 4-Bromofluorobenzene	12.853	95	125342	51.127	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 102.260%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	133	0.328	ug/l #	71
16) Acetone	4.436	43	32614	31.429	ug/l	89
18) Methyl Acetate	5.036	43	3788	1.466	ug/l #	57
20) Methylene Chloride	5.277	84	10215	4.879	ug/l	88
25) 2-Butanone	7.494	43	3307	2.102	ug/l #	73
29) Tetrahydrofuran	7.847	42	397	0.393	ug/l #	29
31) Cyclohexane	8.224	56	4443	1.100	ug/l #	37
36) 1,1-Dichloropropene	8.230	75	14901	4.959	ug/l #	49
37) Ethyl Acetate	7.565	43	5317	1.581	ug/l #	86
38) Carbon Tetrachloride	8.230	117	16774	5.507	ug/l #	17
41) Methacrylonitrile	7.847	41	430	0.217	ug/l #	31
42) 1,2-Dichloroethane	8.682	62	1186	0.344	ug/l #	73
43) Isopropyl Acetate	8.688	43	294314	49.395	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1902	0.823	ug/l #	45
48) Methyl methacrylate	9.665	41	5559	1.958	ug/l #	39
51) 4-Methyl-2-Pentanone	10.453	43	6923	2.045	ug/l	88
53) t-1,3-Dichloropropene	10.729	75	1005	0.303	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	56331	16.059	ug/l #	76
56) Ethyl methacrylate	10.988	69	1703	0.513	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6986	1.912	ug/l #	42
59) 2-Hexanone	11.206	43	99191	40.016	ug/l #	54
74) N-amyl acetate	12.488	43	2476	0.478	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	75850	30.429	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75850	71.173	ug/l #	12

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

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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WCS-TPQ

Quant Time: May 22 01:30:37 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

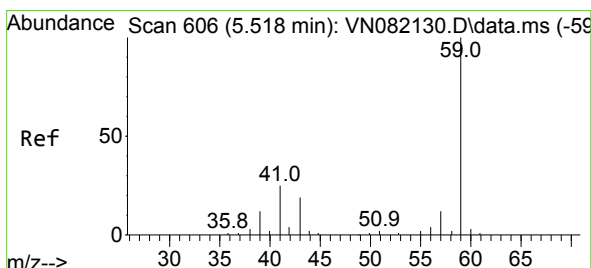
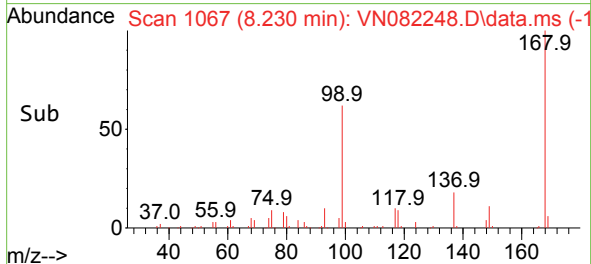
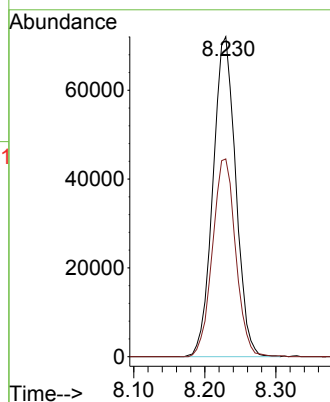
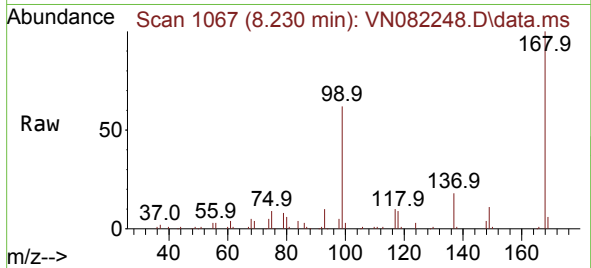




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

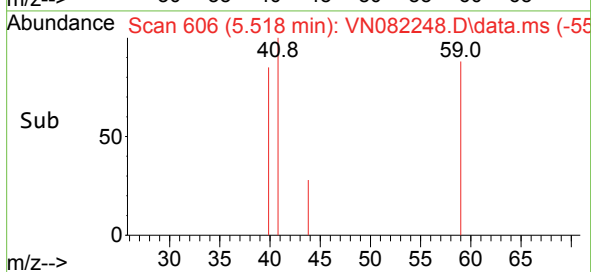
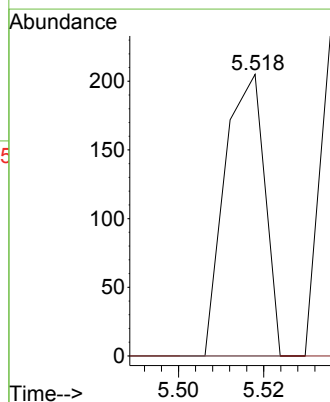
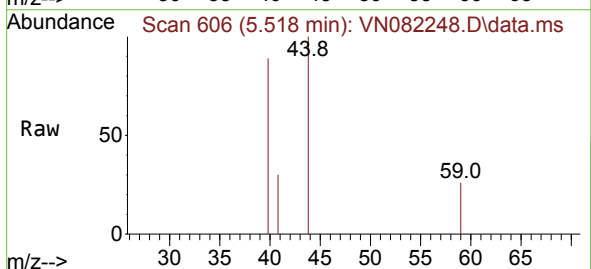
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

Tgt Ion:168 Resp: 160201
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.328 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 59 Resp: 133
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

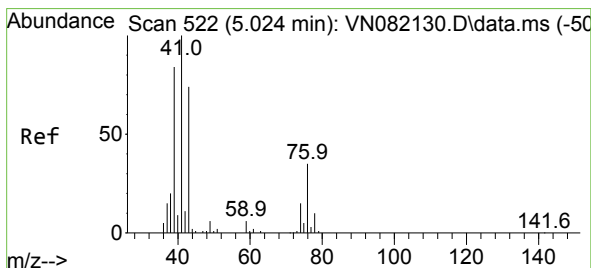
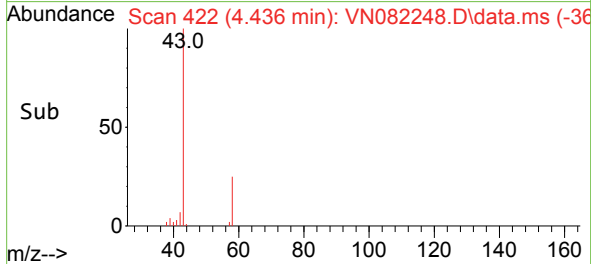
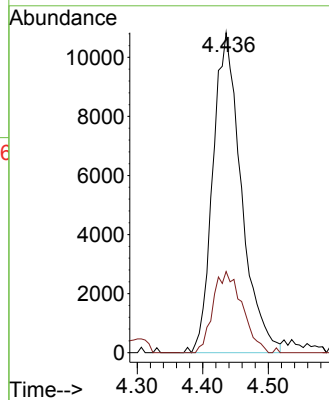
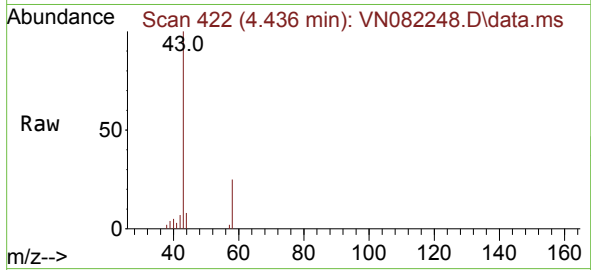




#16
Acetone
Concen: 31.429 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

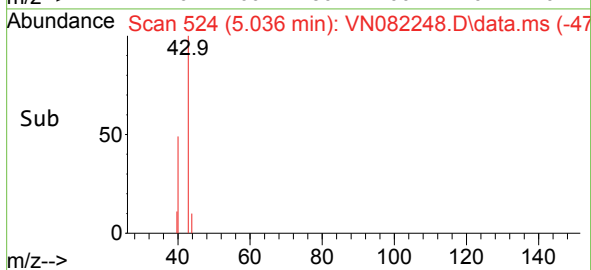
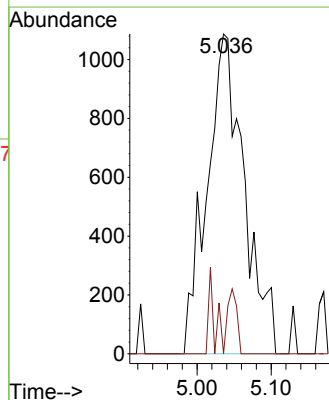
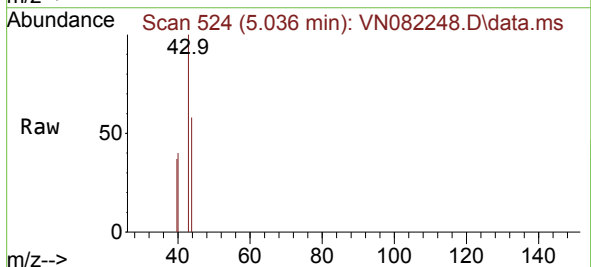
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

Tgt Ion: 43 Resp: 32614
Ion Ratio Lower Upper
43 100
58 25.4 25.2 37.8



#18
Methyl Acetate
Concen: 1.466 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 43 Resp: 3788
Ion Ratio Lower Upper
43 100
74 5.1 22.2 33.2#

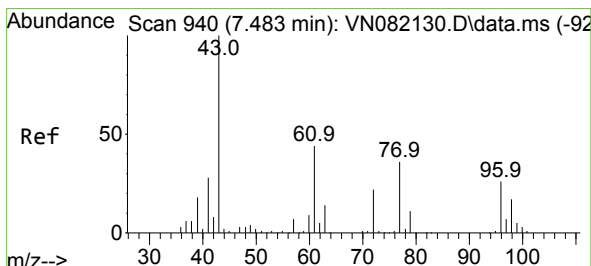
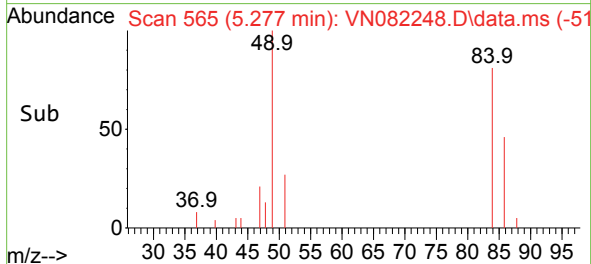
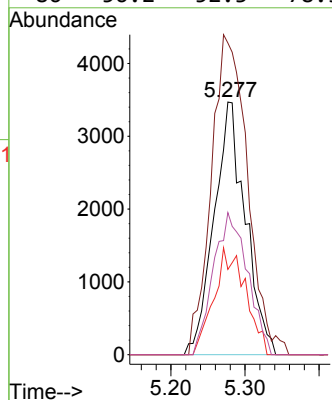
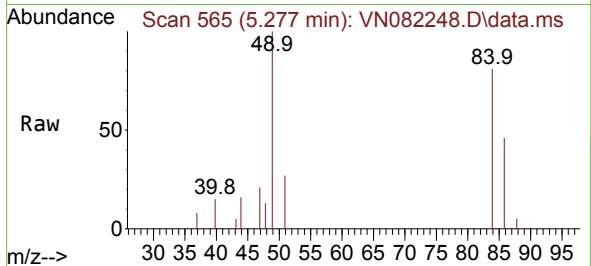




#20
Methylene Chloride
Concen: 4.879 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

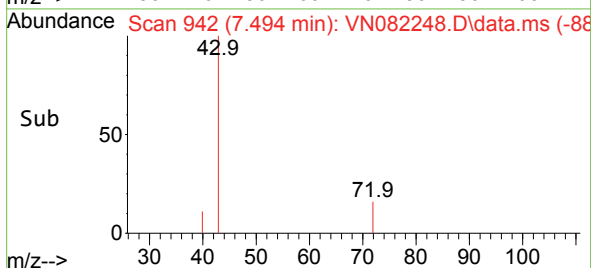
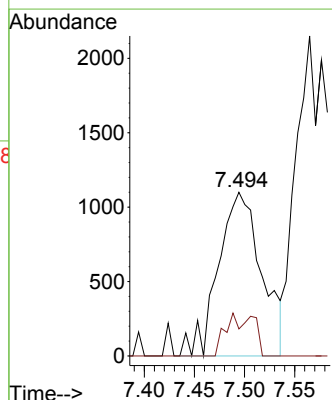
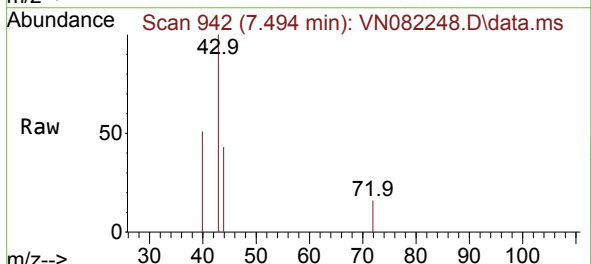
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

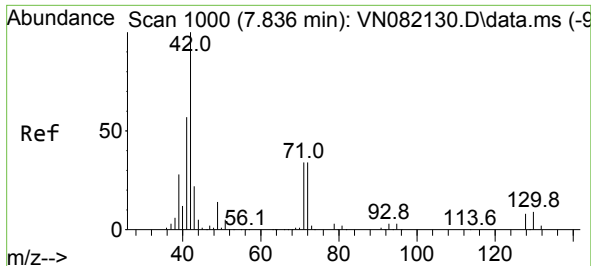
Tgt Ion: 84	Resp: 10215
Ion Ratio	Lower Upper
84 100	
49 123.4	84.9 127.3
51 33.8	27.0 40.6
86 56.2	52.3 78.5



#25
2-Butanone
Concen: 2.102 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 43	Resp: 3307		
Ion Ratio	Lower	Upper	
43 100			
72 16.5	25.3	37.9#	

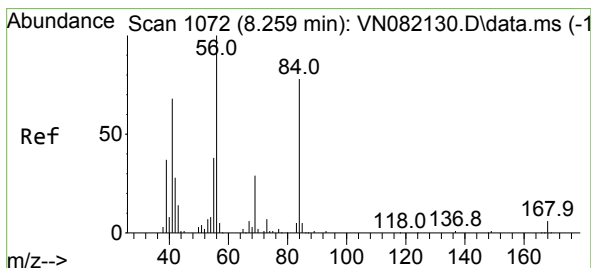
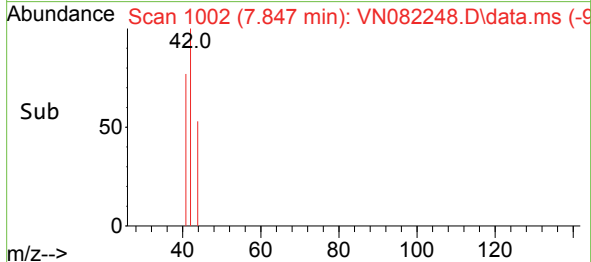
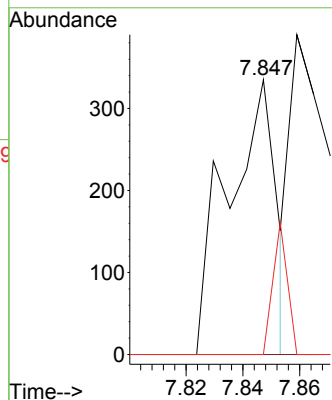
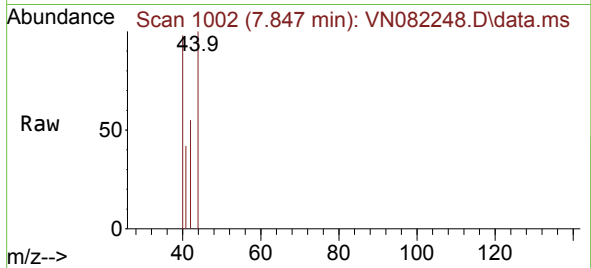




#29
Tetrahydrofuran
Concen: 0.393 ug/l
RT: 7.847 min Scan# 1066
Delta R.T. 0.011 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

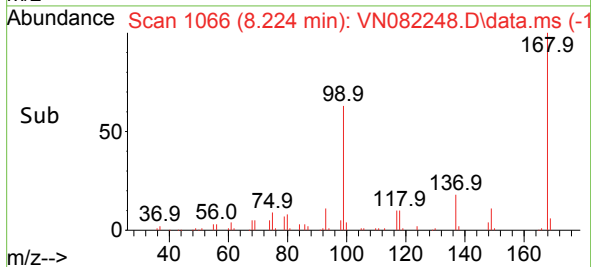
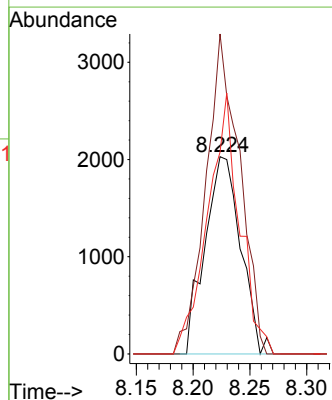
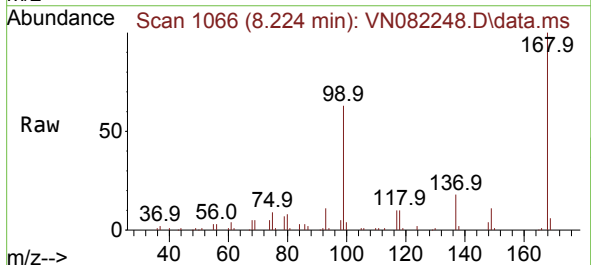
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

Tgt Ion: 42 Resp: 397
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 56 Resp: 4443
Ion Ratio Lower Upper
56 100
69 162.2 24.4 36.6#
84 102.3 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 53.579 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082248.D

Acq: 21 May 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

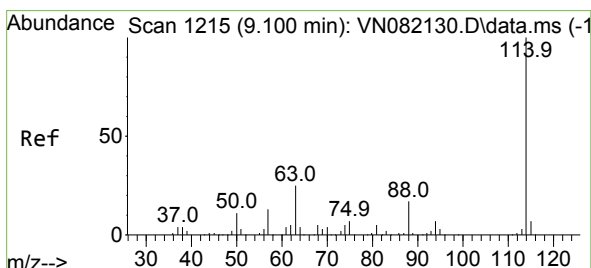
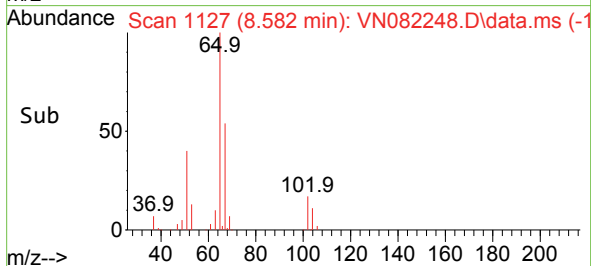
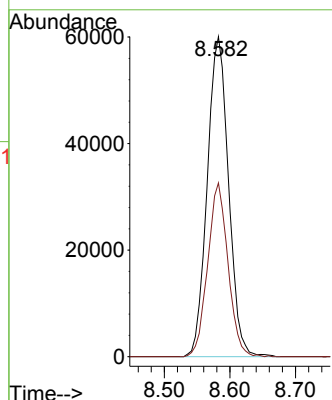
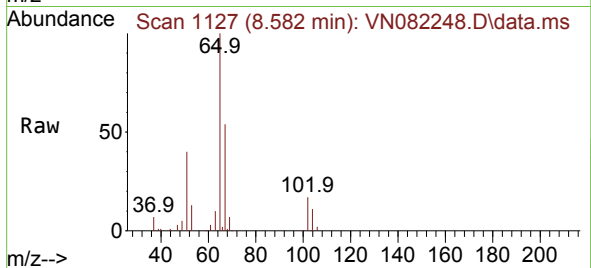
WCS-TPQ

Tgt Ion: 65 Resp: 135535

Ion Ratio Lower Upper

65 100

67 51.7 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: VN082248.D

Acq: 21 May 2024 18:18

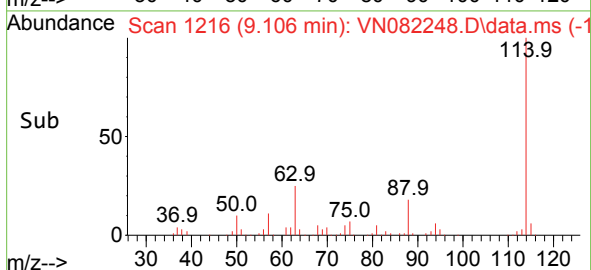
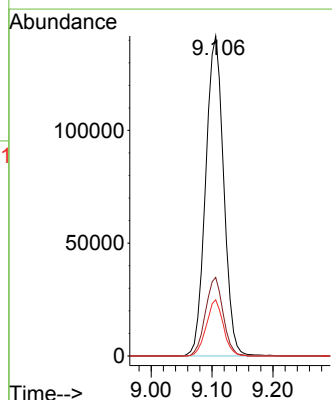
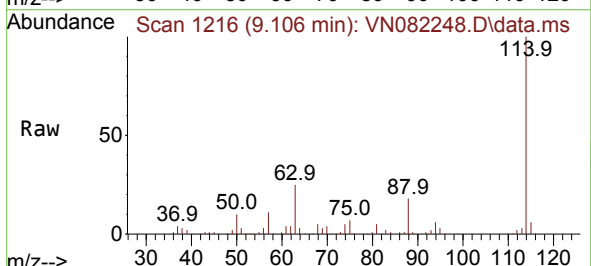
Tgt Ion: 114 Resp: 291234

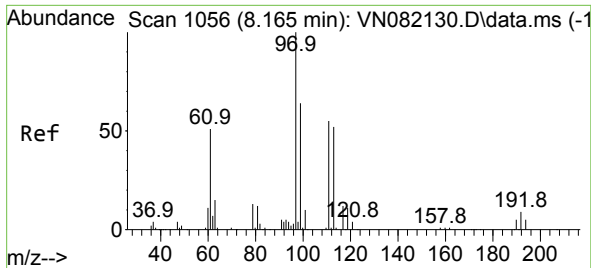
Ion Ratio Lower Upper

114 100

63 24.6 0.0 41.0

88 17.6 0.0 31.4

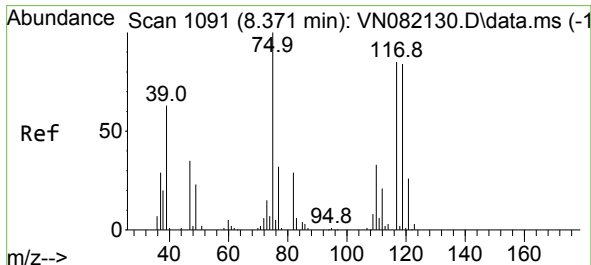
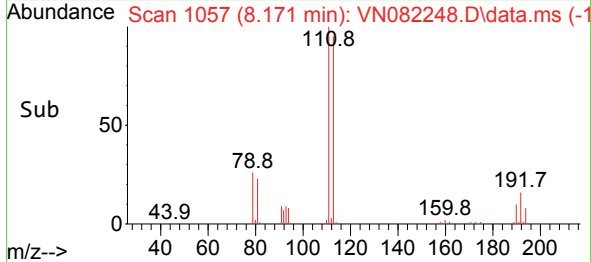
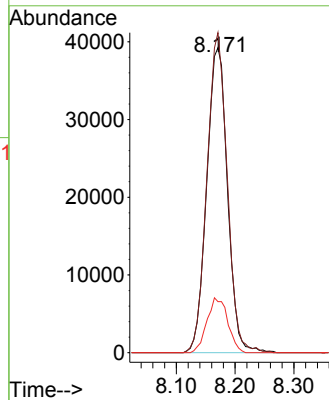
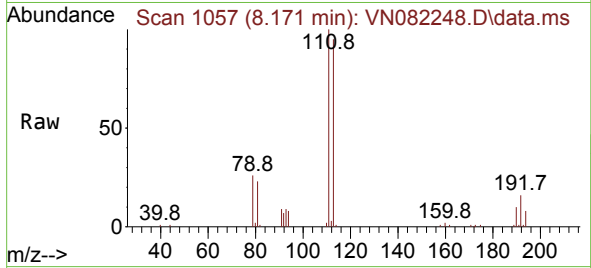




#35
Dibromofluoromethane
Concen: 53.776 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

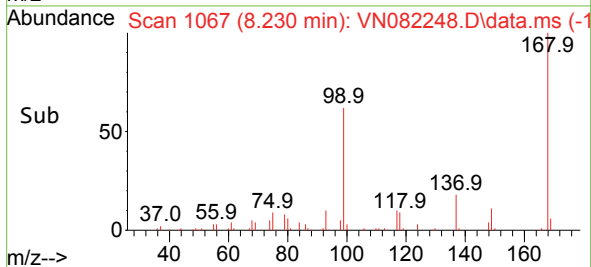
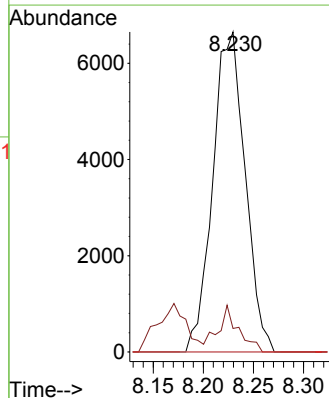
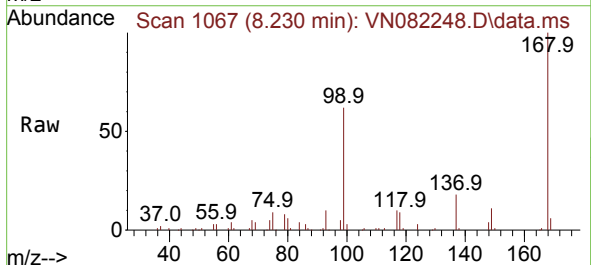
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

Tgt Ion:113 Resp: 96341
Ion Ratio Lower Upper
113 100
111 102.1 83.4 125.2
192 18.0 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.959 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 75 Resp: 14901
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.581 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN082248.D

Acq: 21 May 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPQ

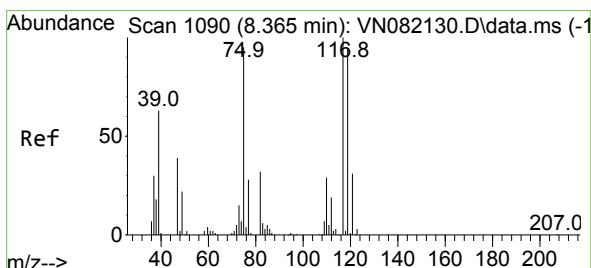
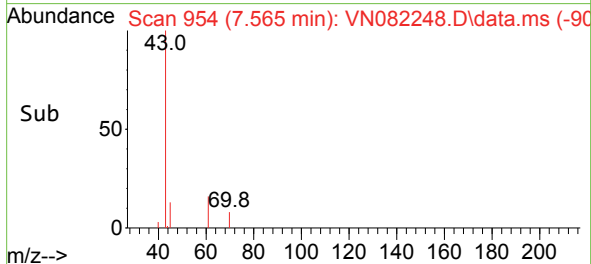
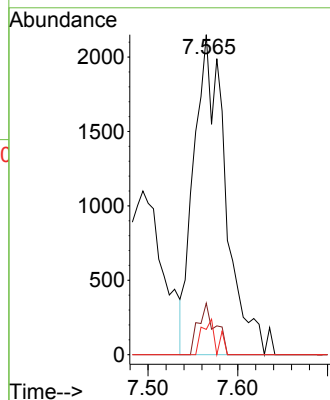
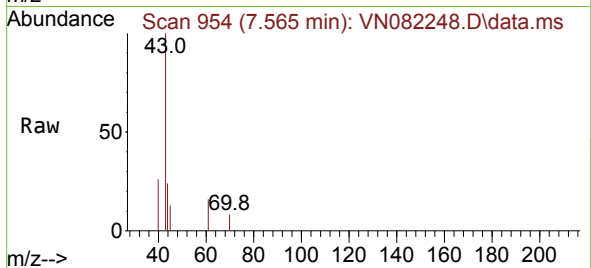
Tgt Ion: 43 Resp: 5317

Ion Ratio Lower Upper

43 100

61 8.8 11.3 16.9#

70 5.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.507 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082248.D

Acq: 21 May 2024 18:18

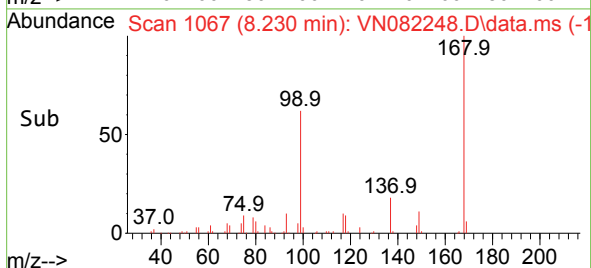
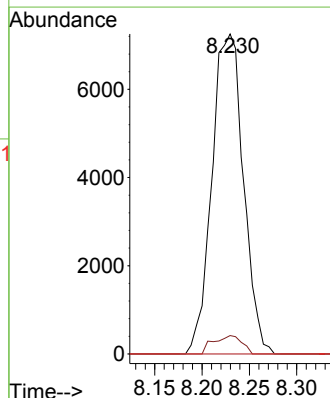
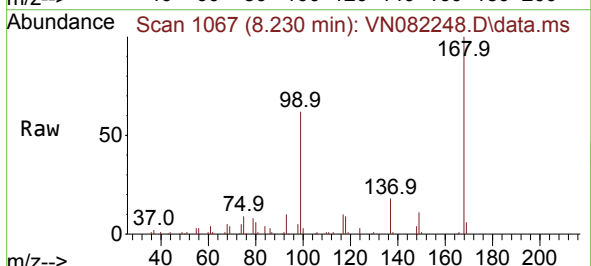
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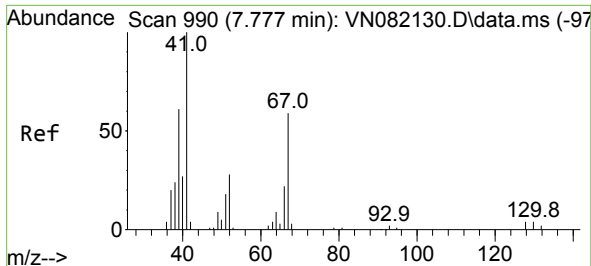
Ion Ratio Lower Upper

117 100

119 5.7 76.5 114.7#

121 0.0 23.9 35.9#

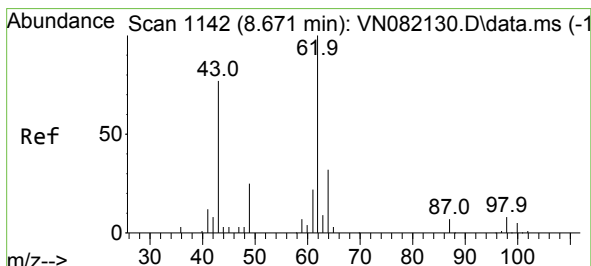
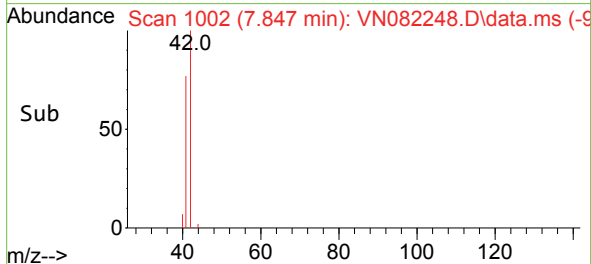
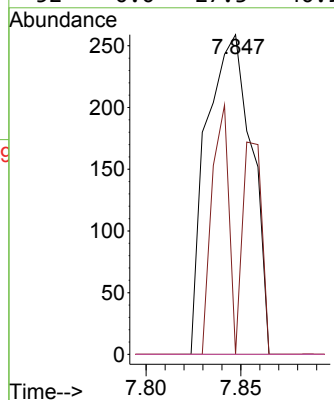
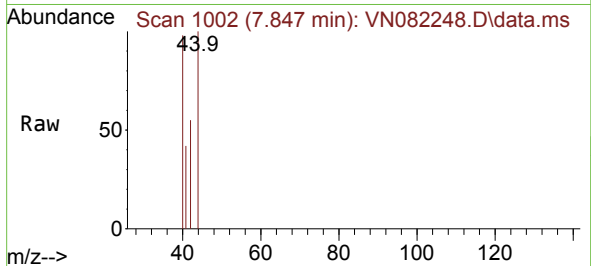




#41
Methacrylonitrile
Concen: 0.217 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

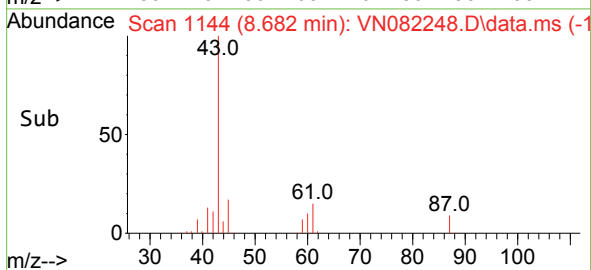
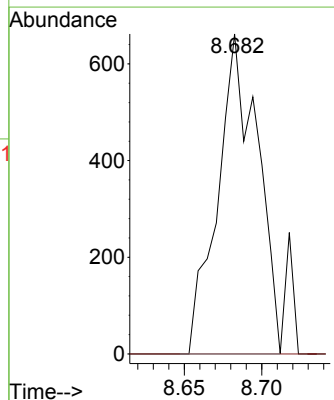
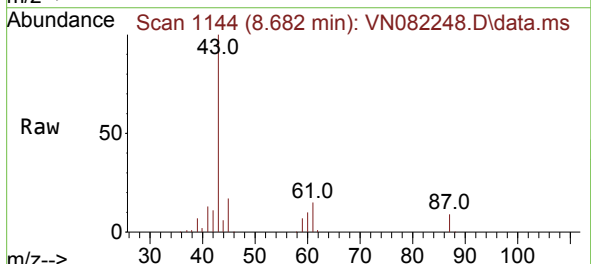
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

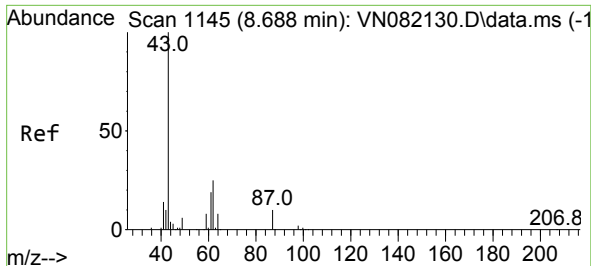
Tgt Ion: 41 Resp: 430
Ion Ratio Lower Upper
41 100
39 28.1 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.344 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 62 Resp: 1186
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

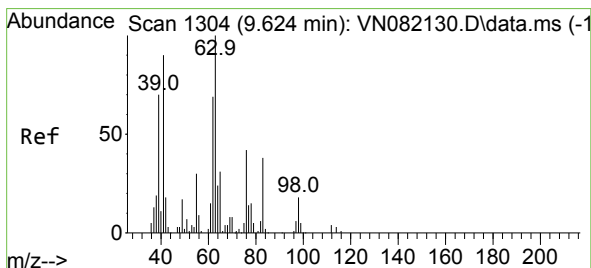
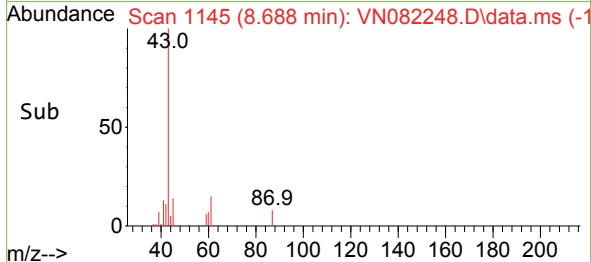
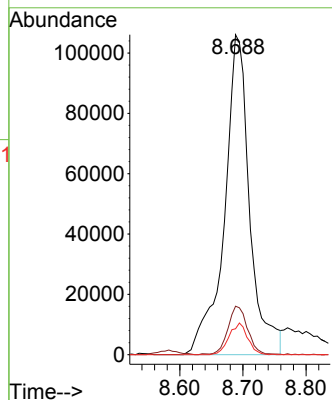
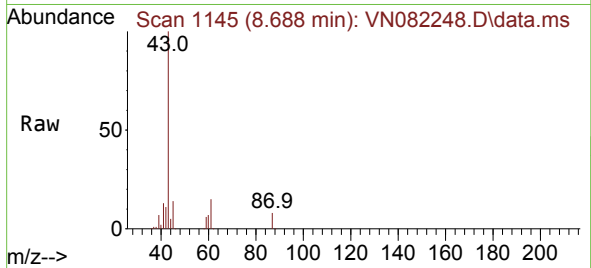




#43
Isopropyl Acetate
Concen: 49.395 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

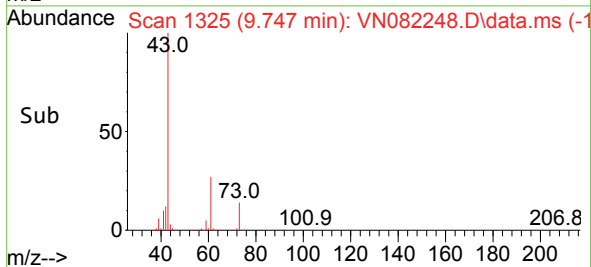
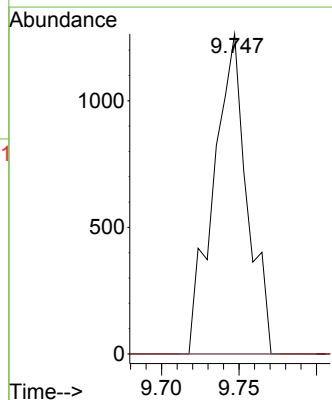
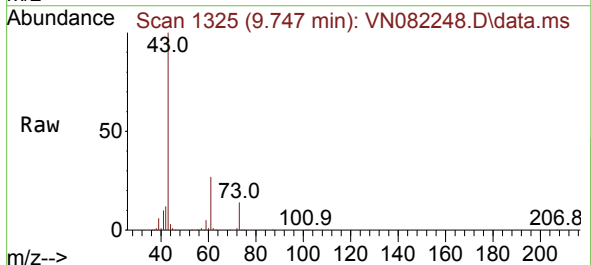
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

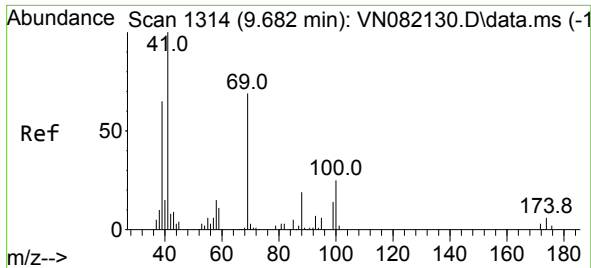
Tgt Ion: 43 Resp: 294314
Ion Ratio Lower Upper
43 100
61 11.9 22.8 34.2#
87 7.3 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.823 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 63 Resp: 1902
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

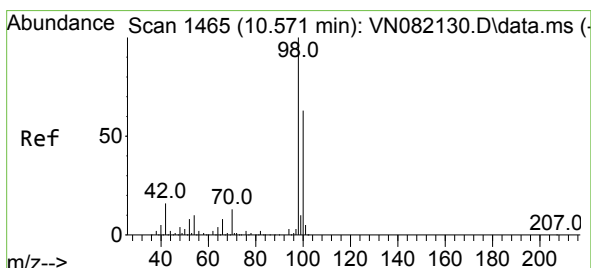
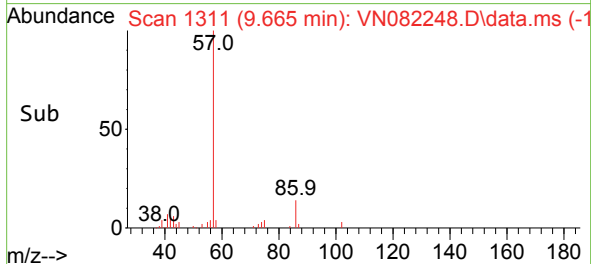
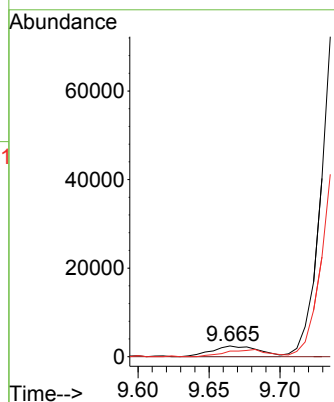
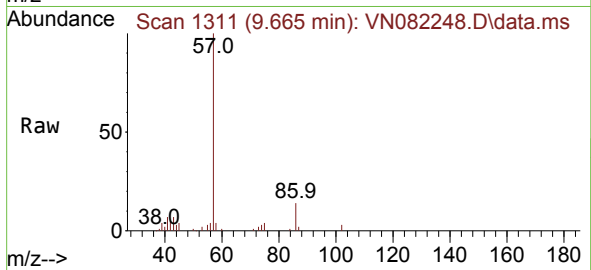




#48
Methyl methacrylate
Concen: 1.958 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

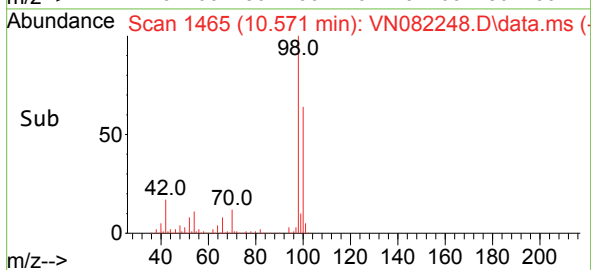
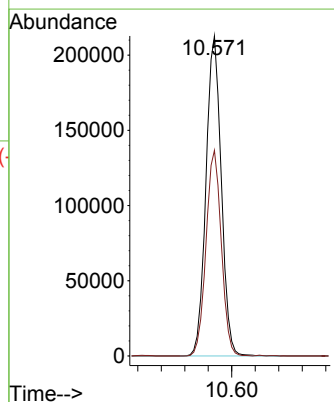
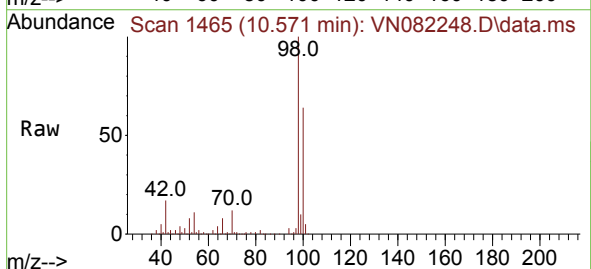
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

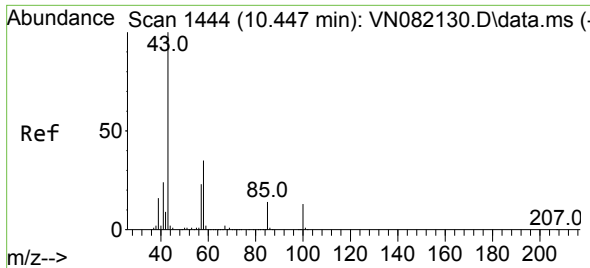
Tgt Ion: 41 Resp: 5559
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 60.5 50.9 76.3



#50
Toluene-d8
Concen: 55.891 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 98 Resp: 383897
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6

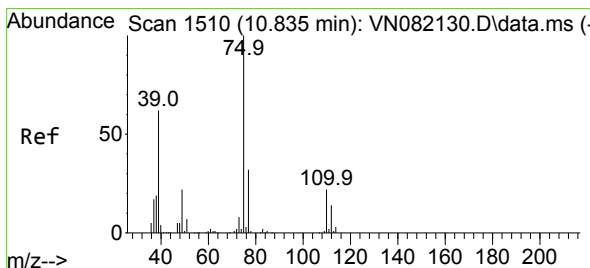
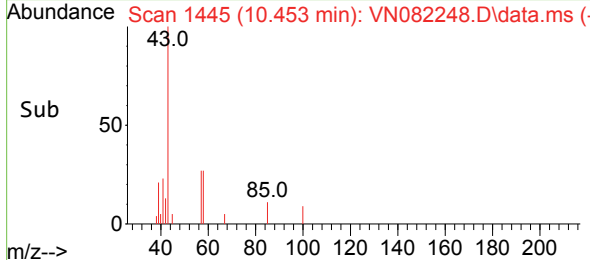
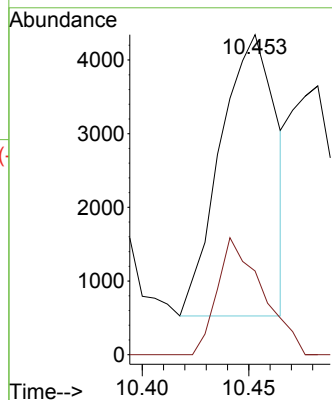
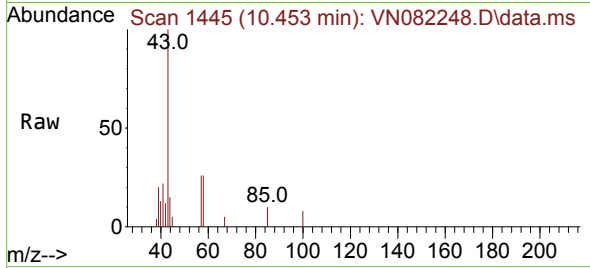




#51
4-Methyl-2-Pentanone
Concen: 2.045 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

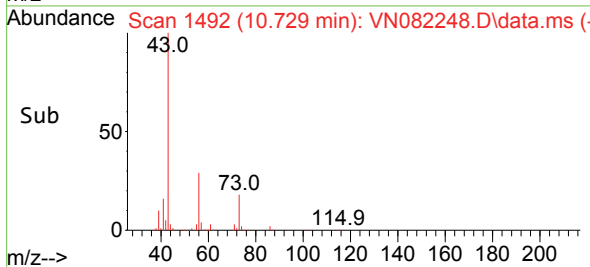
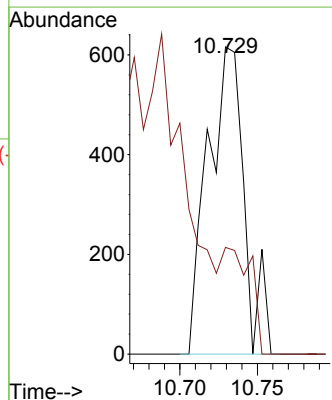
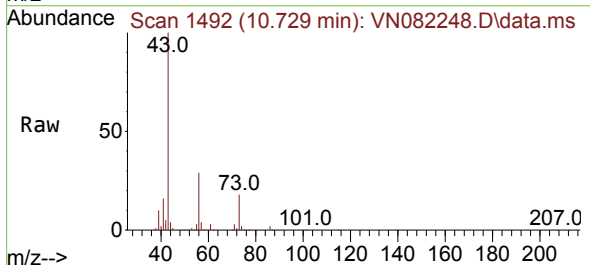
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

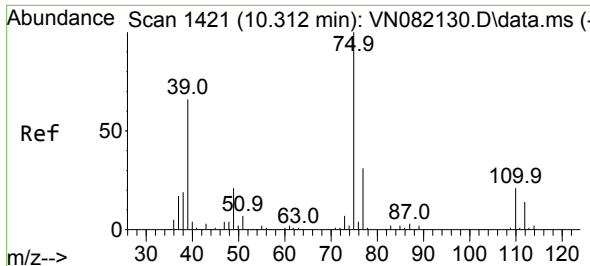
Tgt Ion: 43 Resp: 6923
Ion Ratio Lower Upper
43 100
58 34.0 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.303 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 75 Resp: 1005
Ion Ratio Lower Upper
75 100
77 34.7 25.4 38.0

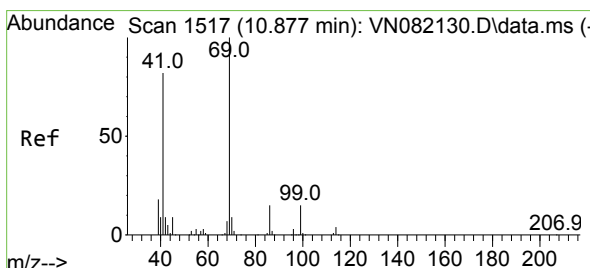
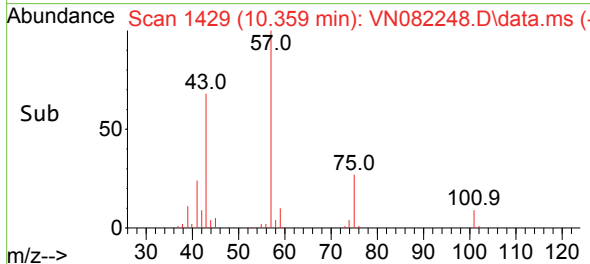
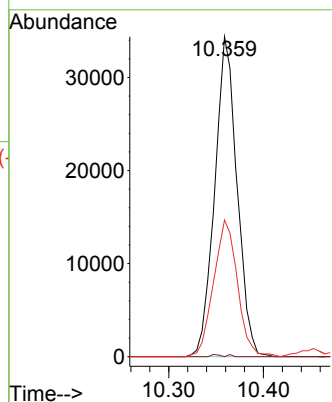
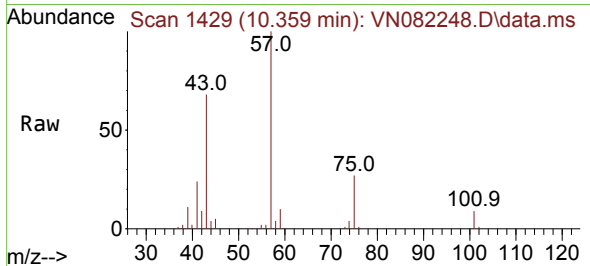




#54
 cis-1,3-Dichloropropene
 Concen: 16.059 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082248.D
 Acq: 21 May 2024 18:18

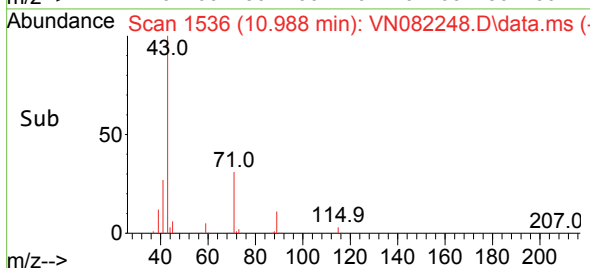
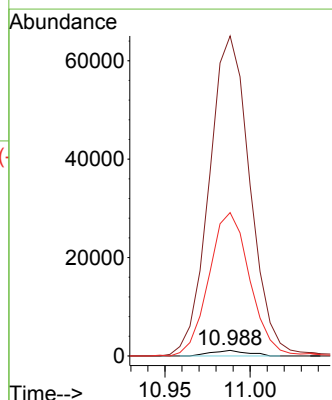
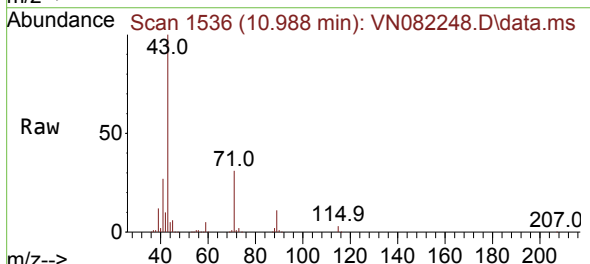
Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPQ

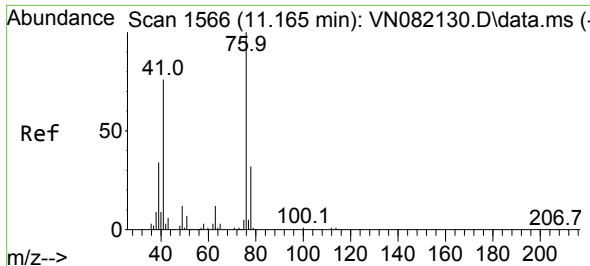
Tgt Ion: 75 Resp: 56331
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 42.7 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.513 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082248.D
 Acq: 21 May 2024 18:18

Tgt Ion: 69 Resp: 1703
 Ion Ratio Lower Upper
 69 100
 41 6402.1 46.6 70.0#
 39 2883.1 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.912 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN082248.D

Acq: 21 May 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

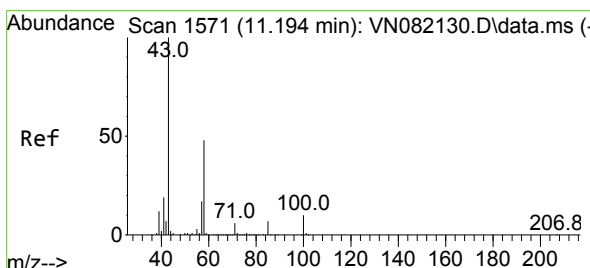
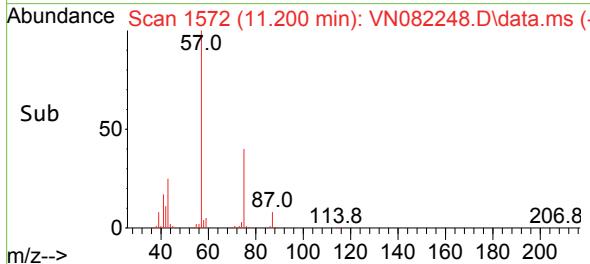
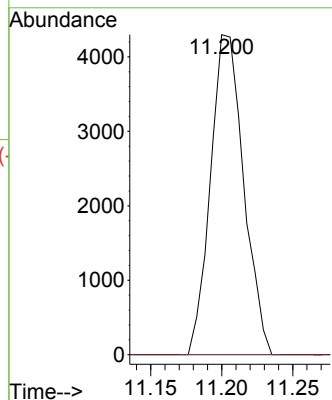
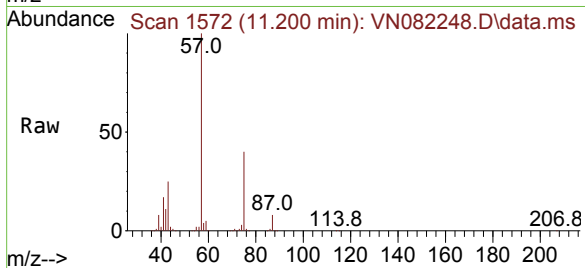
WCS-TPQ

Tgt Ion: 76 Resp: 6986

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 40.016 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082248.D

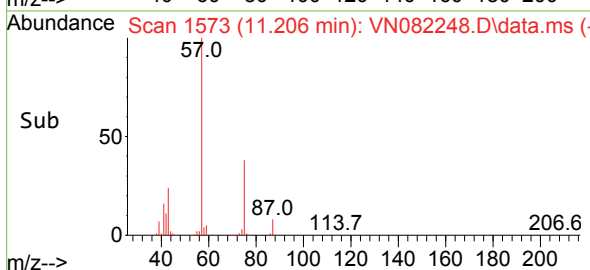
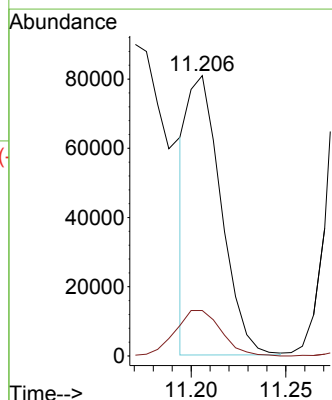
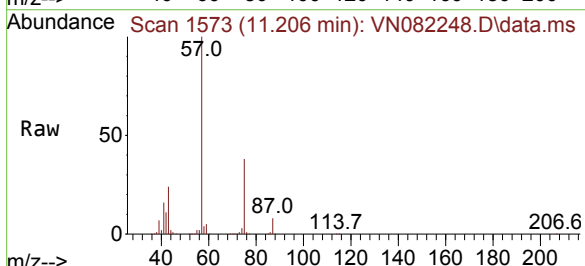
Acq: 21 May 2024 18:18

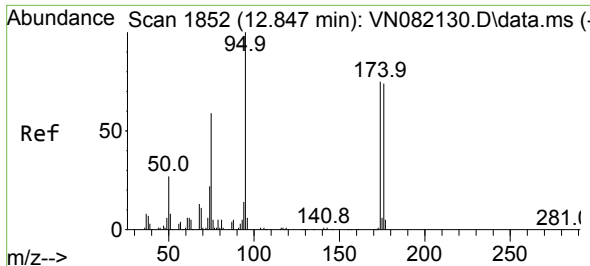
Tgt Ion: 43 Resp: 99191

Ion Ratio Lower Upper

43 100

58 22.6 28.3 84.9#

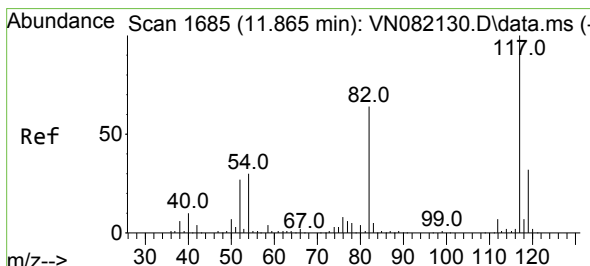
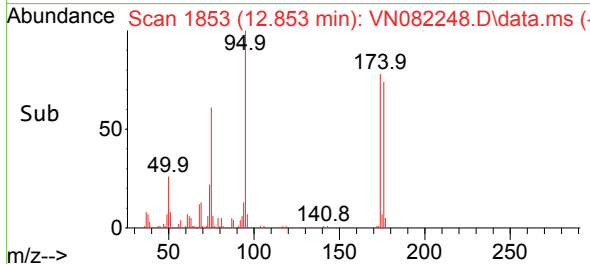
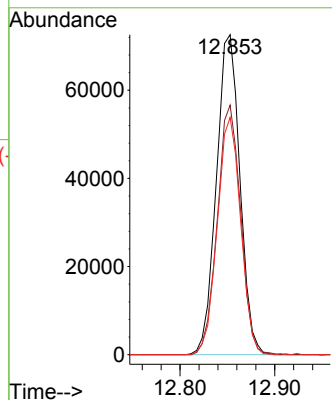
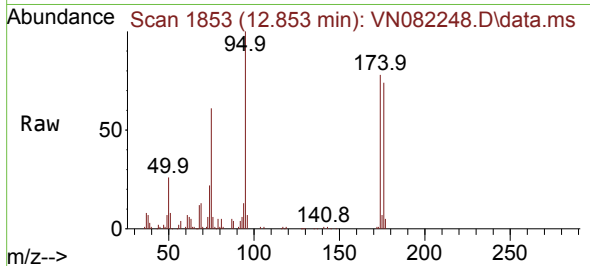




#62
4-Bromofluorobenzene
Concen: 51.127 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

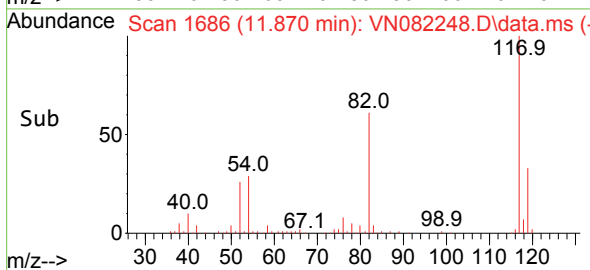
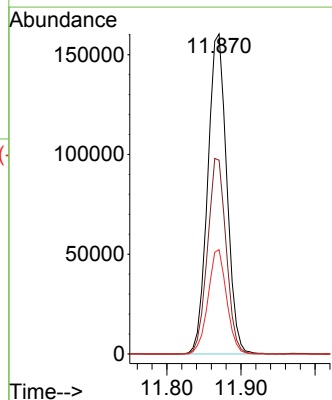
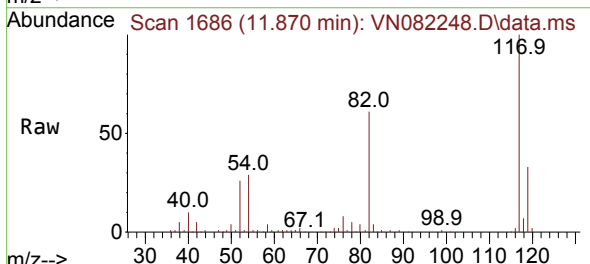
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

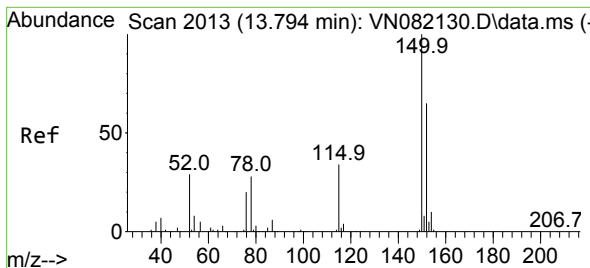
Tgt Ion: 95 Resp: 125342
Ion Ratio Lower Upper
95 100
174 77.3 0.0 160.6
176 73.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 117 Resp: 285945
Ion Ratio Lower Upper
117 100
82 60.5 44.6 66.8
119 32.6 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: VN082248.D

Acq: 21 May 2024 18:18

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPQ

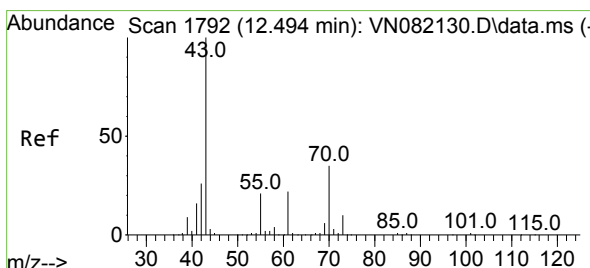
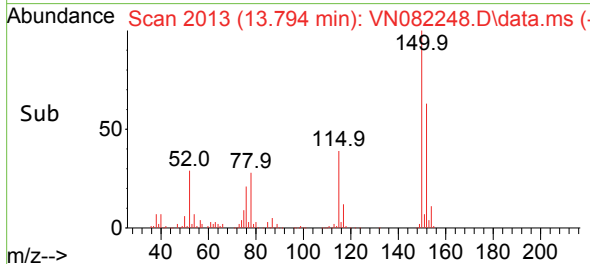
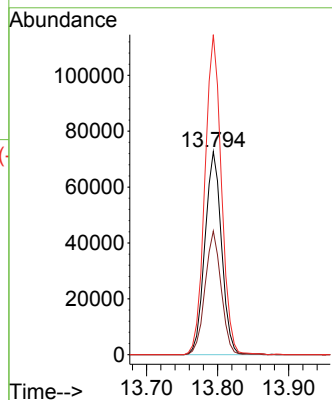
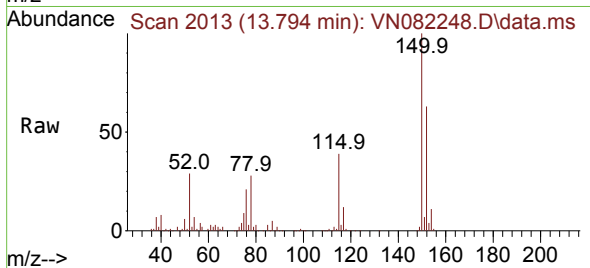
Tgt Ion:152 Resp: 118430

Ion Ratio Lower Upper

152 100

115 59.0 30.4 91.3

150 156.5 0.0 353.2



#74

N-ethyl acetate

Concen: 0.478 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN082248.D

Acq: 21 May 2024 18:18

Tgt Ion: 43 Resp: 2476

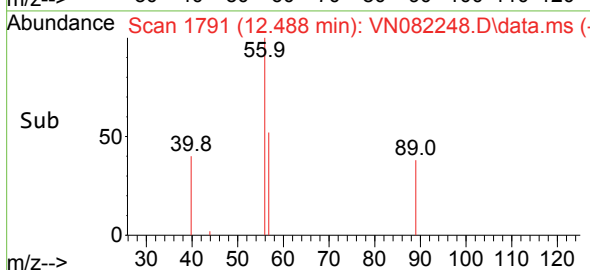
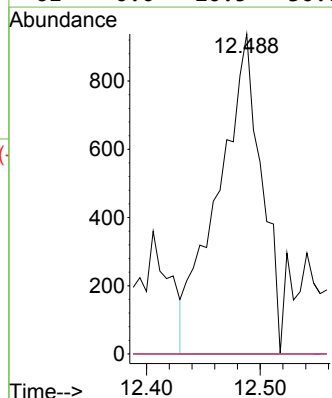
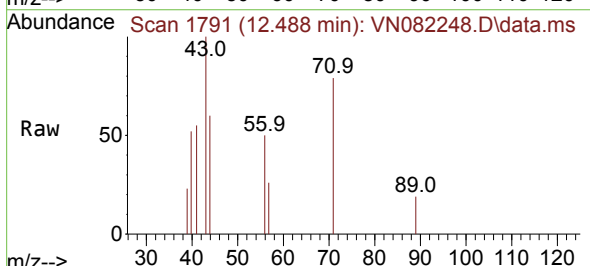
Ion Ratio Lower Upper

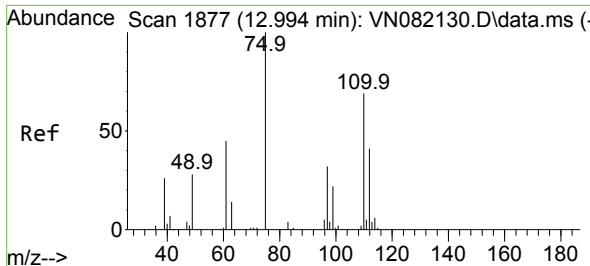
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#

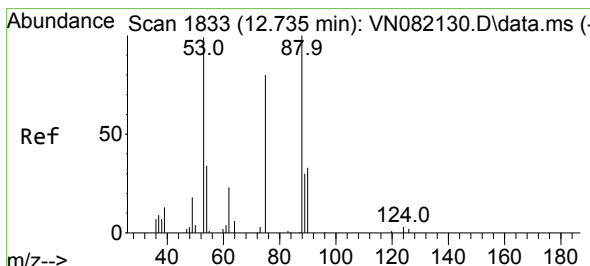
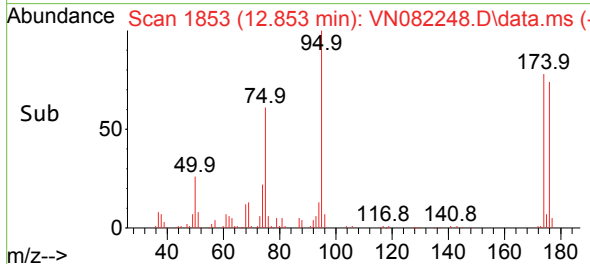
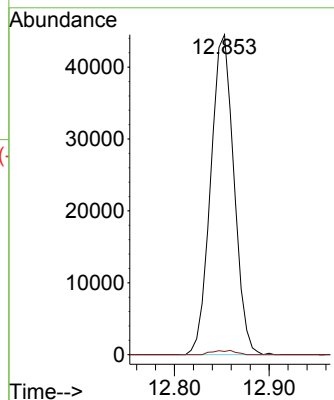
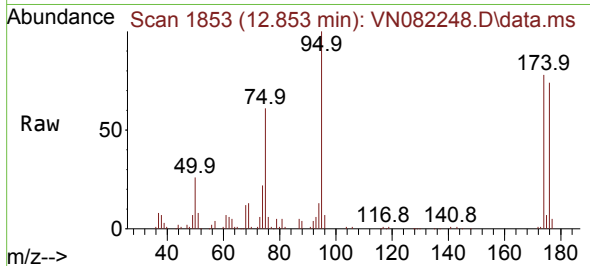




#76
1,2,3-Trichloropropane
Concen: 30.429 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPQ

Tgt Ion: 75 Resp: 75850
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.173 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082248.D
Acq: 21 May 2024 18:18

Tgt Ion: 75 Resp: 75850
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

