

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061724\
 Data File : VN082617.D
 Acq On : 17 Jun 2024 18:38
 Operator : JC\MD
 Sample : P2889-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPJ

Quant Time: Jun 18 18:40:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

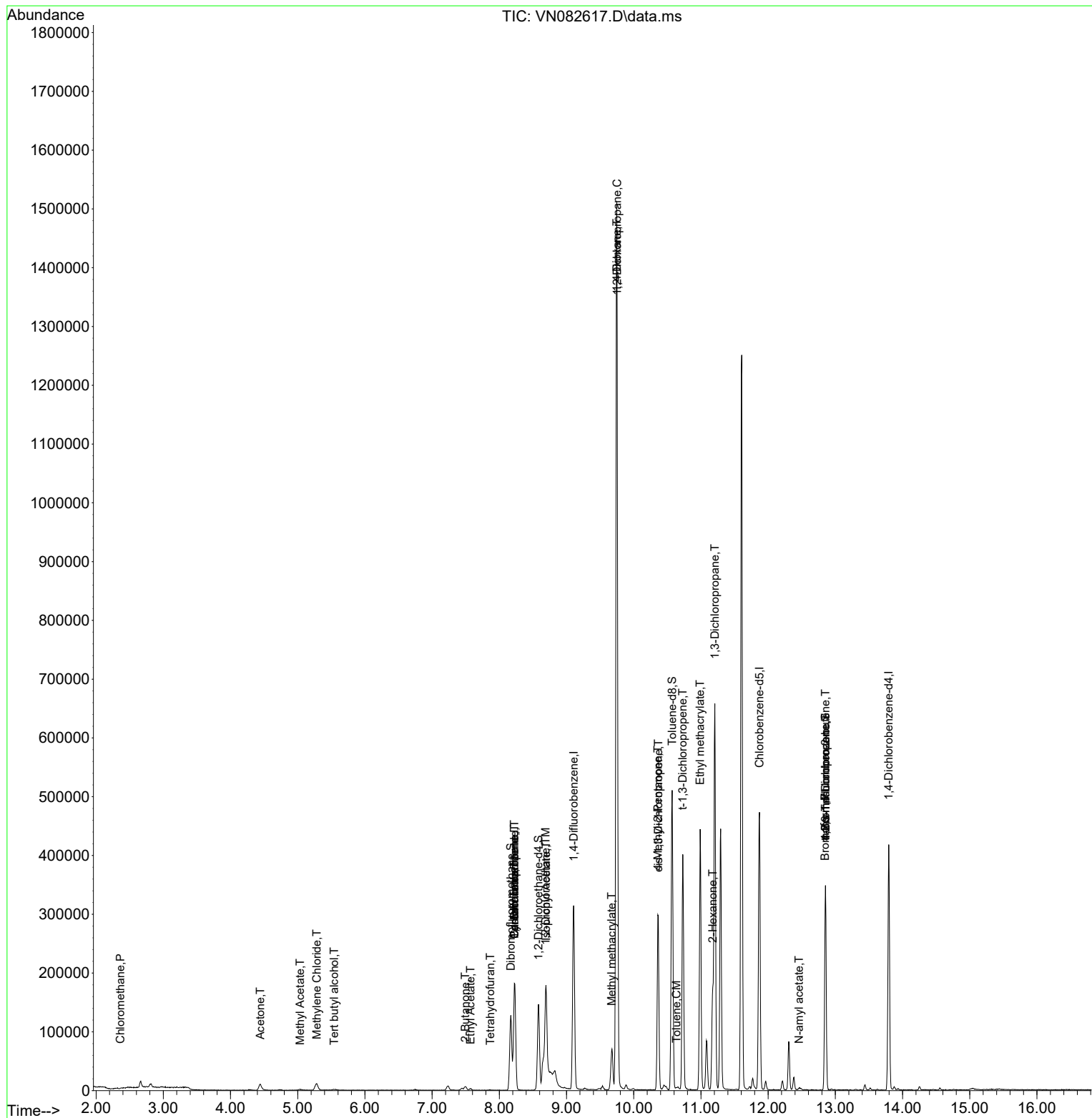
Internal Standards						
1) Pentafluorobenzene	8.224	168	130772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	247442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	254092	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117675	56.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.220%	
35) Dibromofluoromethane	8.171	113	85461	50.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.820%	
50) Toluene-d8	10.571	98	329640	51.929	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.853	95	107957	49.328	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 98.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	494	0.226	ug/l #	23
11) Tert butyl alcohol	5.542	59	1926	5.612	ug/l #	71
16) Acetone	4.442	43	20963	21.980	ug/l	98
18) Methyl Acetate	5.036	43	3403	1.459	ug/l #	64
20) Methylene Chloride	5.283	84	8133	4.850	ug/l	91
25) 2-Butanone	7.495	43	10749	7.929	ug/l	96
29) Tetrahydrofuran	7.865	42	492	0.593	ug/l #	38
31) Cyclohexane	8.224	56	3846	1.271	ug/l #	43
36) 1,1-Dichloropropene	8.224	75	11618	4.630	ug/l #	52
37) Ethyl Acetate	7.571	43	4808	1.504	ug/l #	88
38) Carbon Tetrachloride	8.224	117	14020	4.958	ug/l #	17
42) 1,2-Dichloroethane	8.689	62	1011	0.343	ug/l #	78
43) Isopropyl Acetate	8.694	43	255488	42.769	ug/l #	81
45) 1,2-Dichloropropane	9.753	63	1398	0.700	ug/l #	44
48) Methyl methacrylate	9.671	41	6643	2.698	ug/l #	51
49) 1,4-Dioxane	9.747	88	80	2.077	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	120518	39.334	ug/l #	50
52) Toluene	10.635	92	1143	0.243	ug/l	92
53) t-1,3-Dichloropropene	10.730	75	807	0.274	ug/l #	79
54) cis-1,3-Dichloropropene	10.365	75	45619	14.961	ug/l #	62
56) Ethyl methacrylate	10.988	69	1932	0.686	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6498	2.067	ug/l #	43
59) 2-Hexanone	11.177	43	130803	56.169	ug/l #	28
71) Bromoform	12.847	173	650	0.396	ug/l #	1
74) N-amyl acetate	12.459	43	2840	0.678	ug/l #	49
76) 1,2,3-Trichloropropane	12.853	75	63347	25.072	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63347	59.983	ug/l #	6

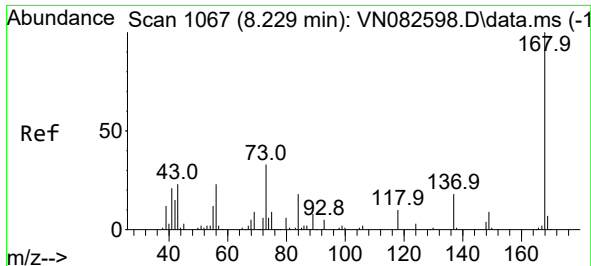
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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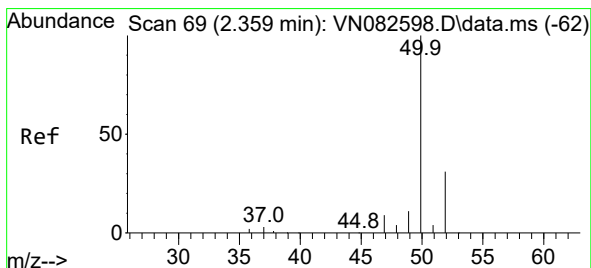
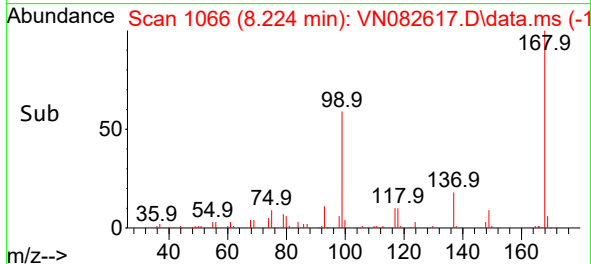
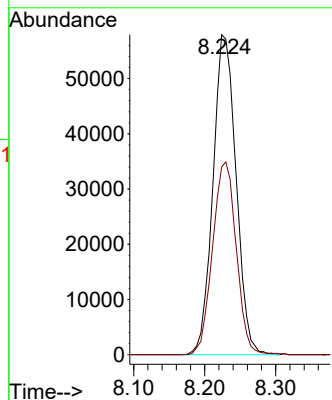
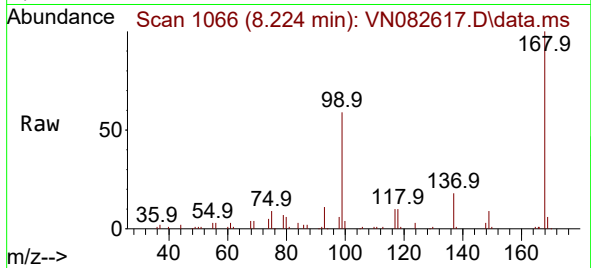




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1067
Delta R.T. -0.005 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

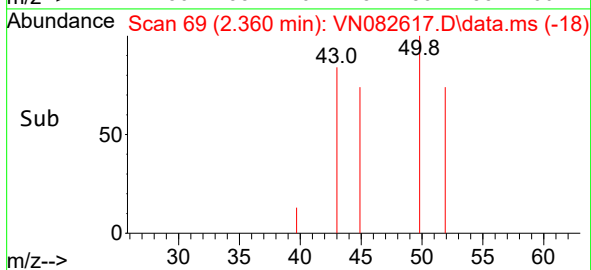
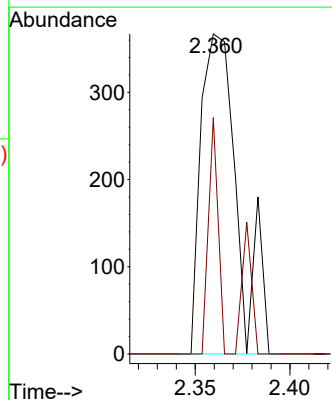
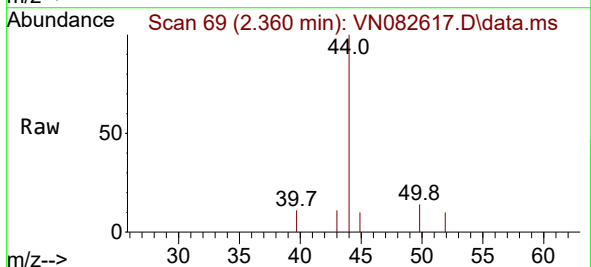
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

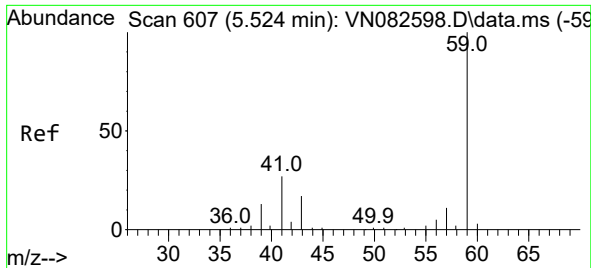
Tgt Ion:168 Resp: 130772
Ion Ratio Lower Upper
168 100
99 58.7 48.2 72.4



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.360 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 50 Resp: 494
Ion Ratio Lower Upper
50 100
52 73.8 25.0 37.4#





#11

Tert butyl alcohol

Concen: 5.612 ug/l

RT: 5.542 min Scan# 61

Delta R.T. 0.018 min

Lab File: VN082617.D

Acq: 17 Jun 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

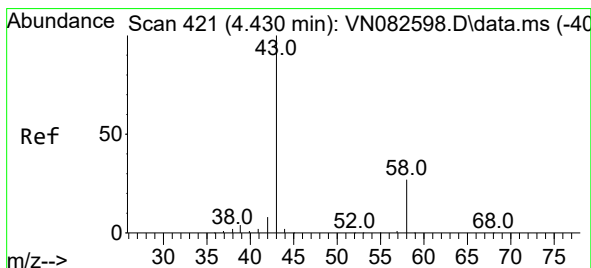
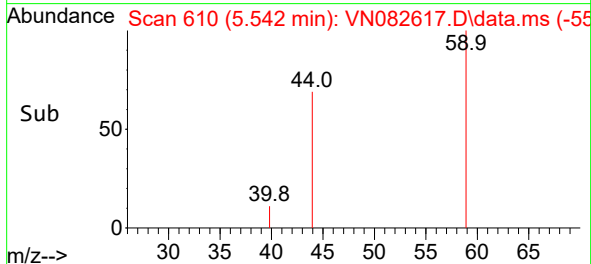
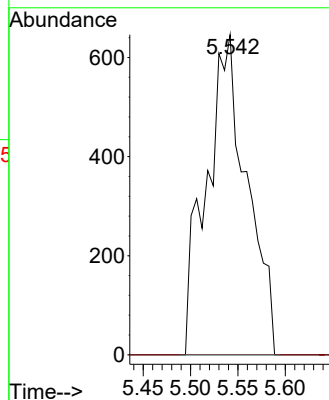
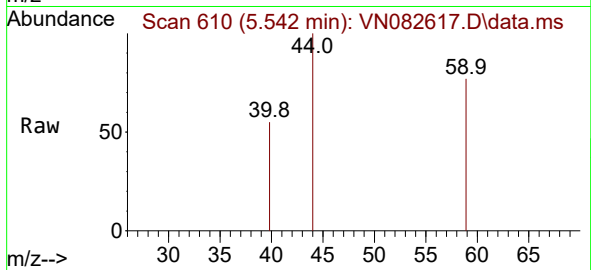
WCS-TPJ

Tgt Ion: 59 Resp: 1926

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#16

Acetone

Concen: 21.980 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN082617.D

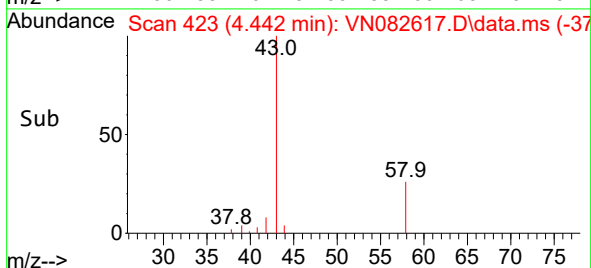
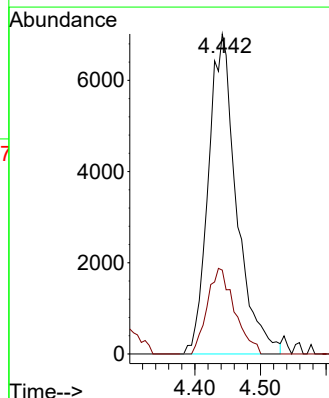
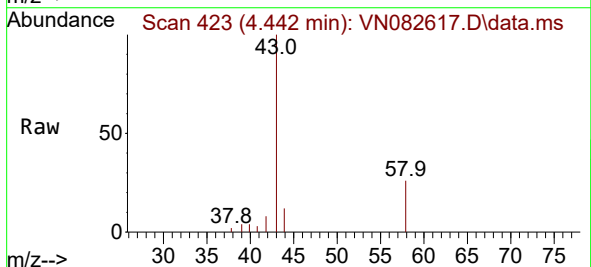
Acq: 17 Jun 2024 18:38

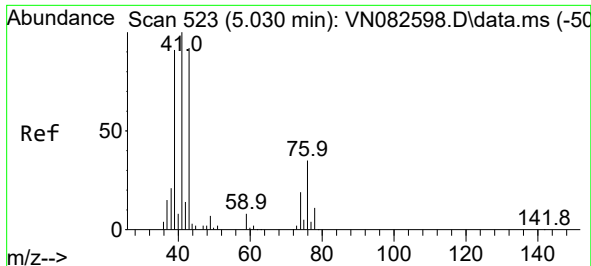
Tgt Ion: 43 Resp: 20963

Ion Ratio Lower Upper

43 100

58 26.2 21.8 32.6

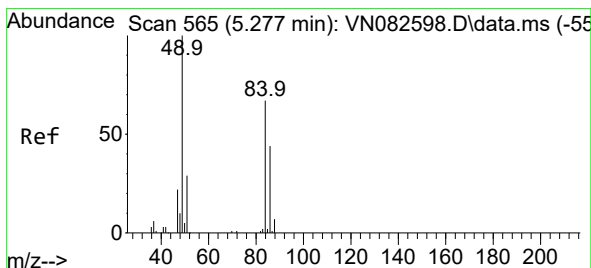
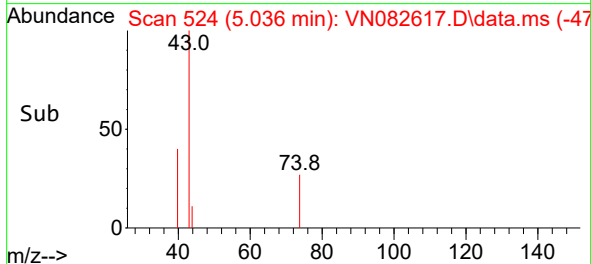
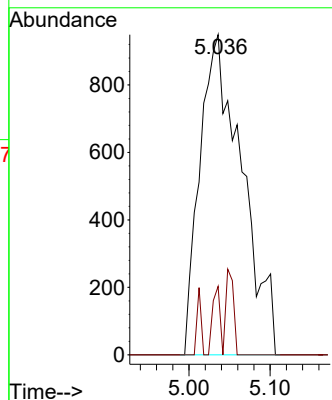
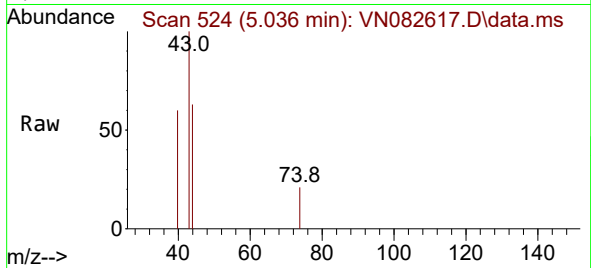




#18
Methyl Acetate
Concen: 1.459 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

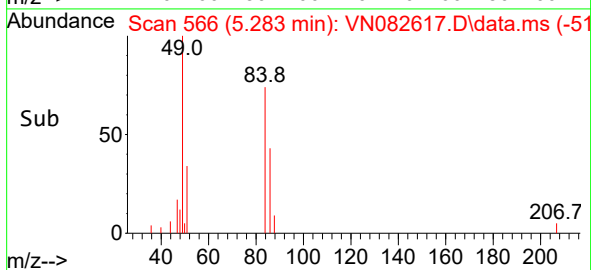
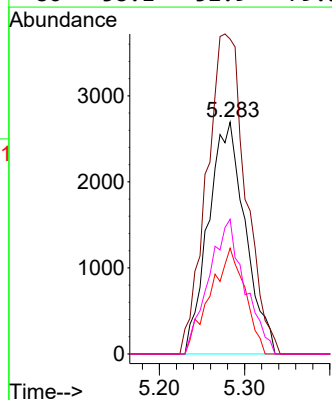
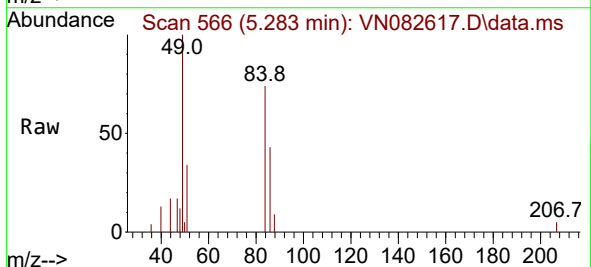
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

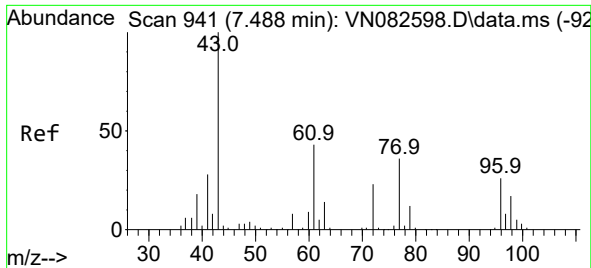
Tgt Ion: 43 Resp: 3403
Ion Ratio Lower Upper
43 100
74 3.8 16.3 24.5#



#20
Methylene Chloride
Concen: 4.850 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 84 Resp: 8133
Ion Ratio Lower Upper
84 100
49 135.8 119.6 179.4
51 45.6 34.8 52.2
86 58.1 52.9 79.3

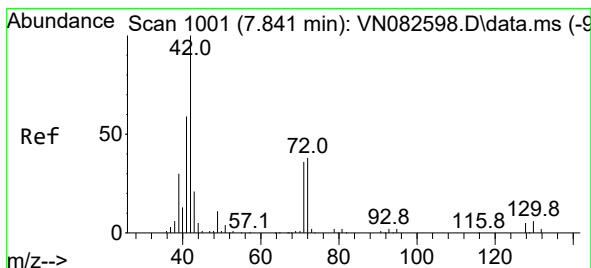
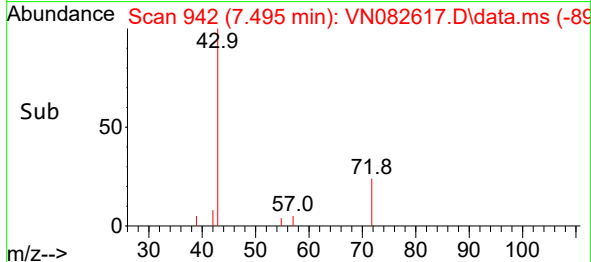
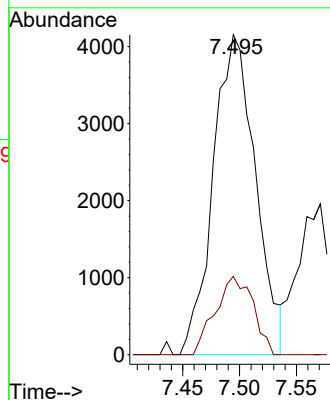
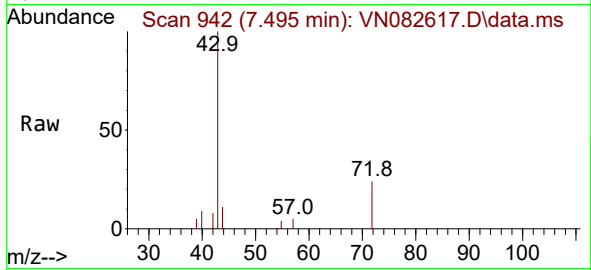




#25
2-Butanone
Concen: 7.929 ug/l
RT: 7.495 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

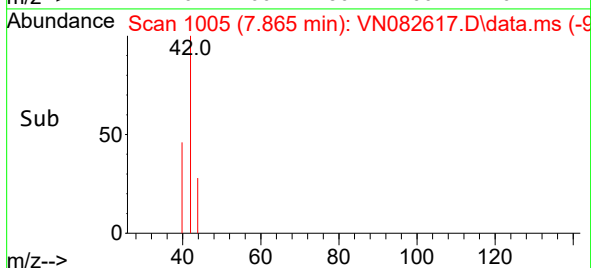
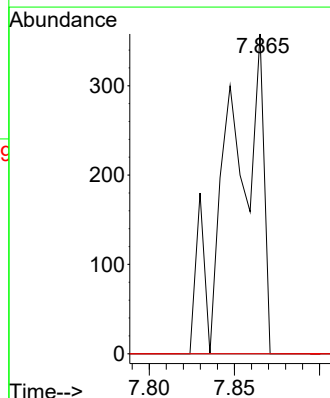
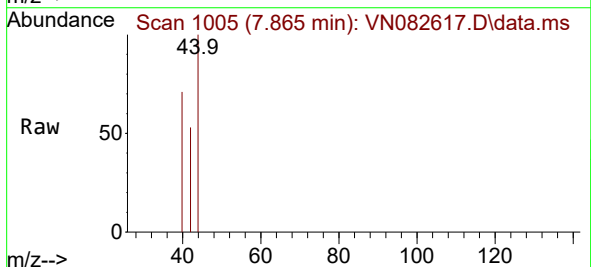
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

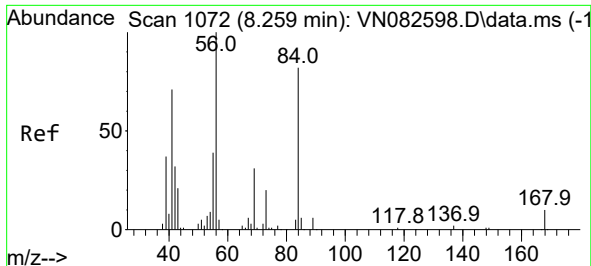
Tgt Ion: 43 Resp: 10749
Ion Ratio Lower Upper
43 100
72 24.4 18.2 27.2



#29
Tetrahydrofuran
Concen: 0.593 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

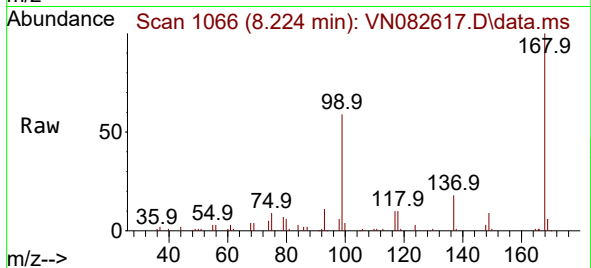
Tgt Ion: 42 Resp: 492
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



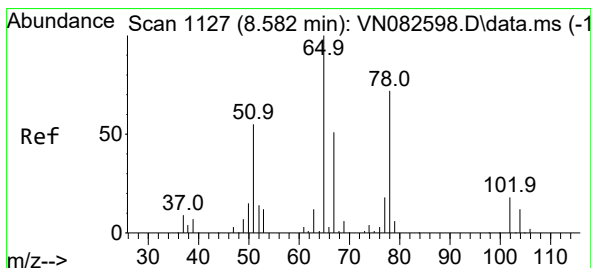
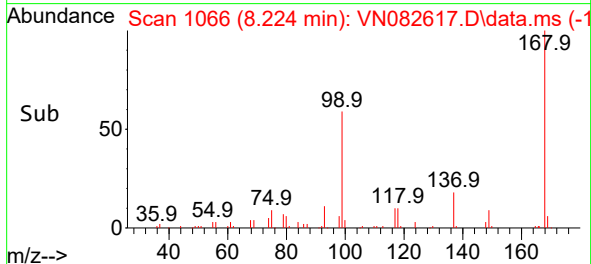
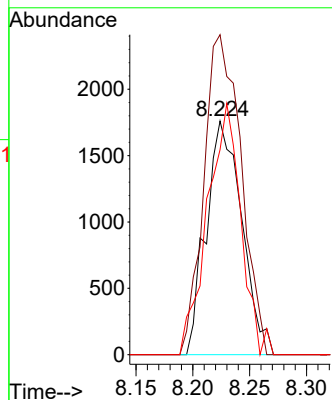


#31
Cyclohexane
Concen: 1.271 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

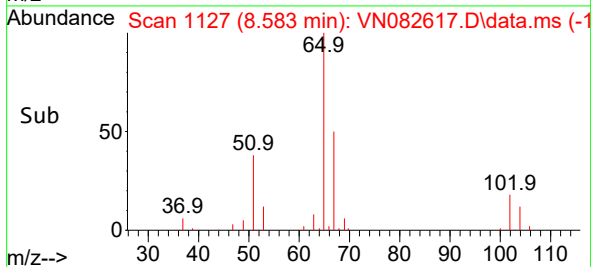
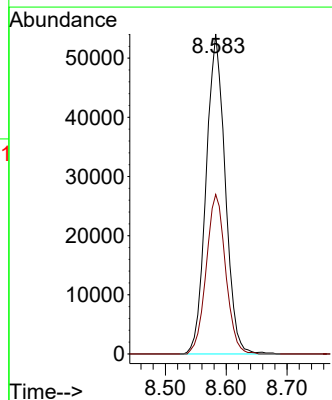
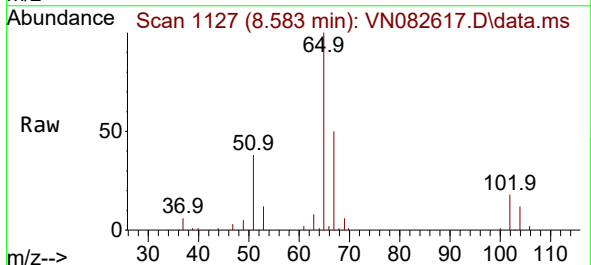


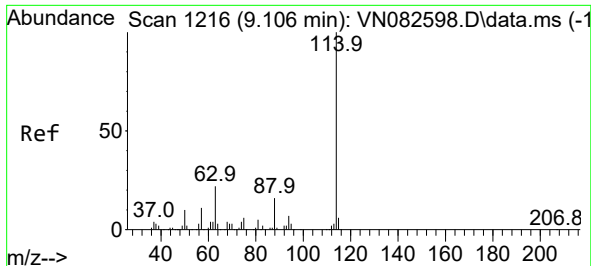
Tgt Ion: 56 Resp: 3846
Ion Ratio Lower Upper
56 100
69 137.0 24.5 36.7#
84 87.8 66.0 99.0



#33
1,2-Dichloroethane-d4
Concen: 56.113 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 65 Resp: 117675
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN082617.D

Acq: 17 Jun 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

WCS-TPJ

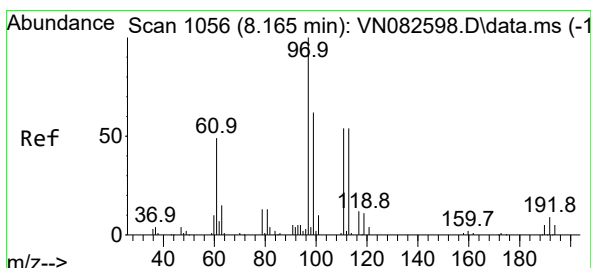
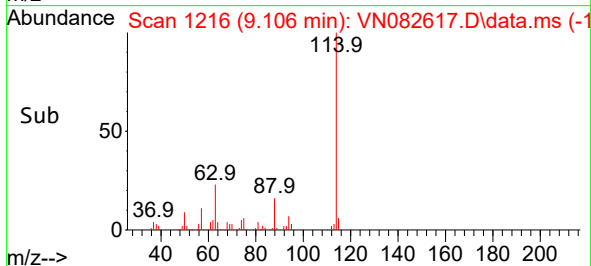
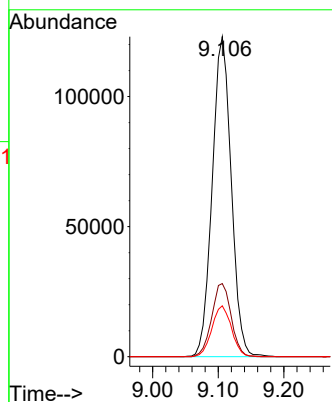
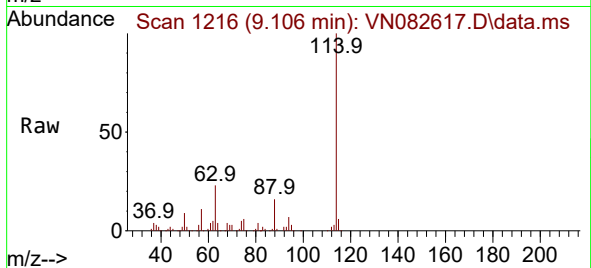
Tgt Ion:114 Resp: 247442

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.6

88 15.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 50.911 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082617.D

Acq: 17 Jun 2024 18:38

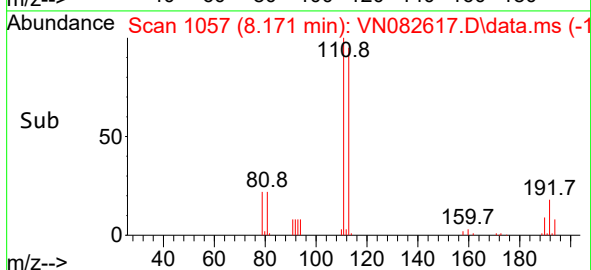
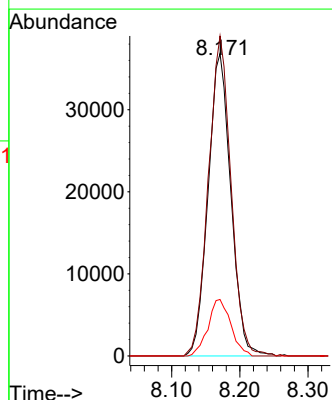
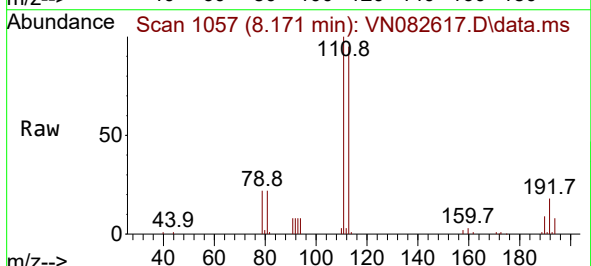
Tgt Ion:113 Resp: 85461

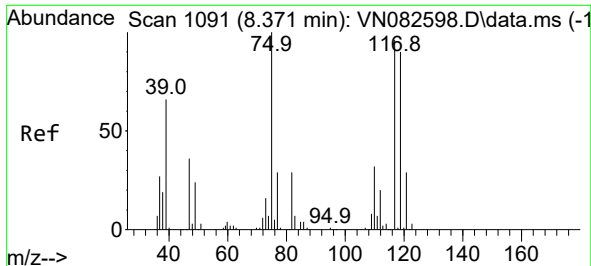
Ion Ratio Lower Upper

113 100

111 105.4 82.4 123.6

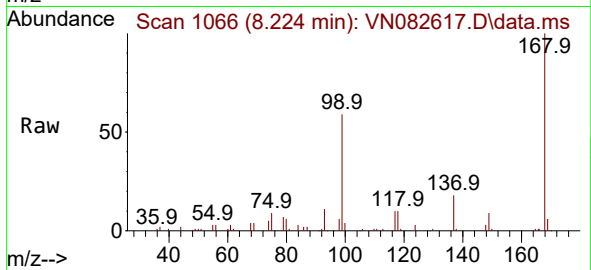
192 18.7 14.9 22.3



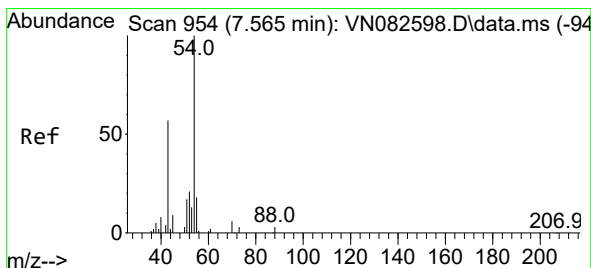
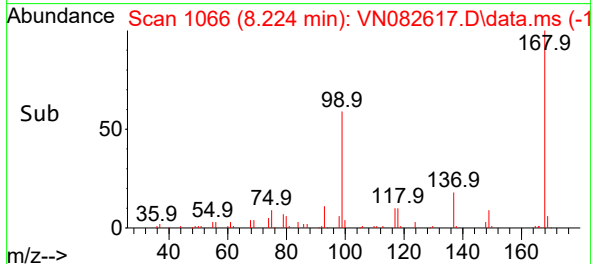
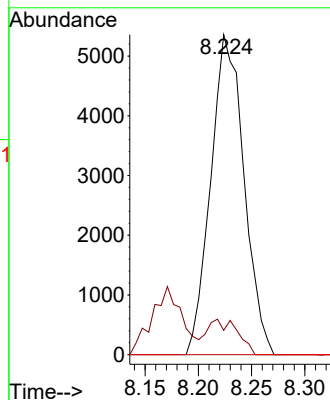


#36
1,1-Dichloropropene
Concen: 4.630 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

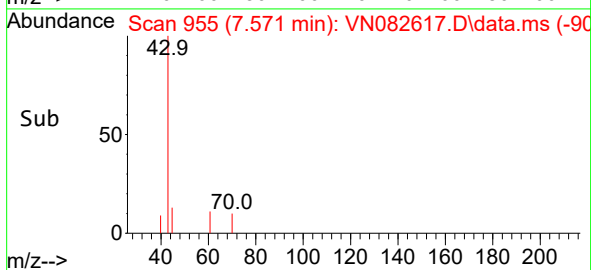
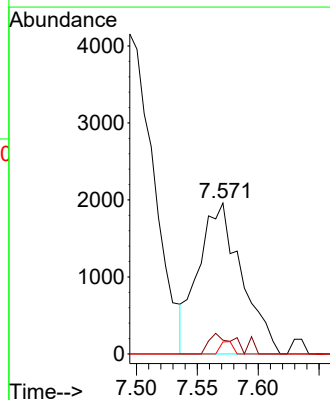
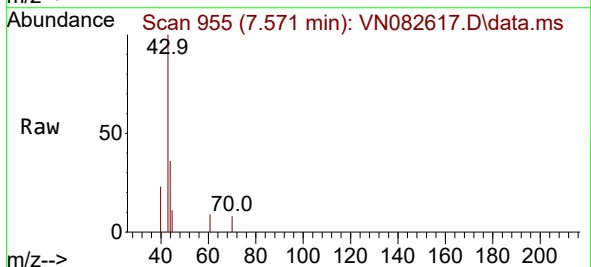


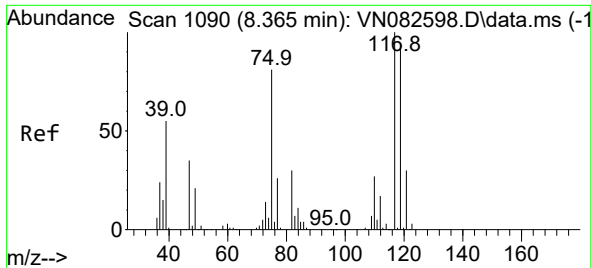
Tgt Ion: 75 Resp: 11618
Ion Ratio Lower Upper
75 100
110 10.1 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.504 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.006 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 43 Resp: 4808
Ion Ratio Lower Upper
43 100
61 8.9 9.3 13.9#
70 2.3 7.0 10.6#

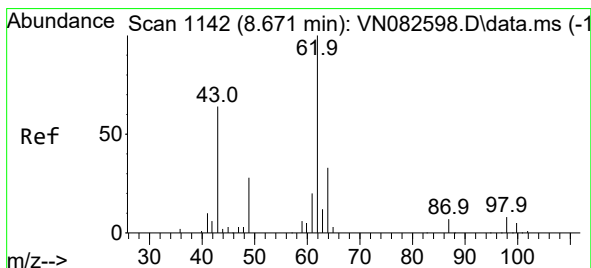
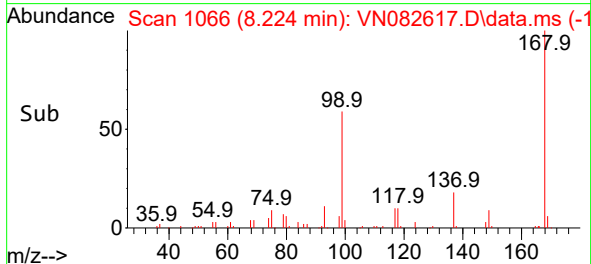
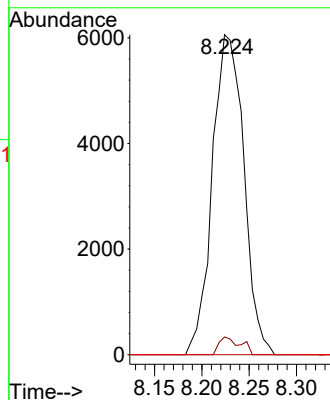
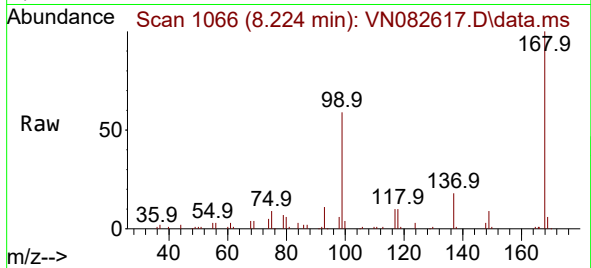




#38
Carbon Tetrachloride
Concen: 4.958 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.141 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

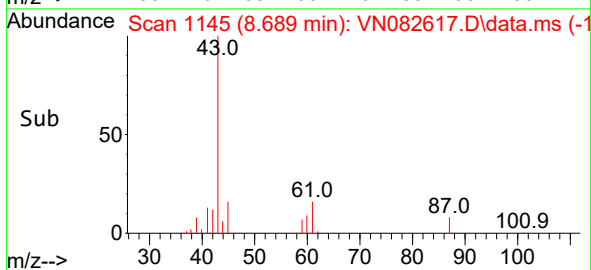
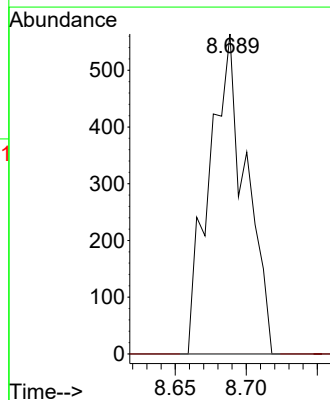
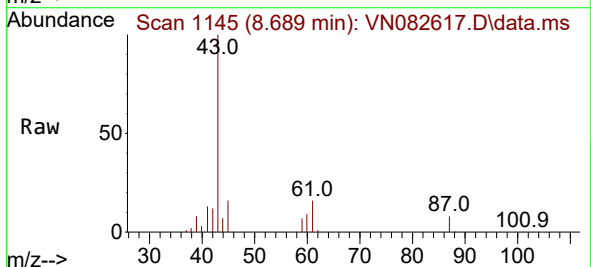
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

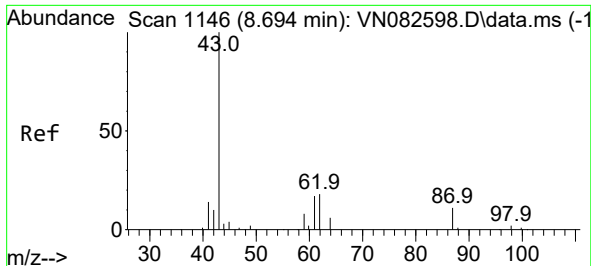
Tgt Ion:117 Resp: 14020
Ion Ratio Lower Upper
117 100
119 5.6 74.9 112.3#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.343 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 62 Resp: 1011
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8

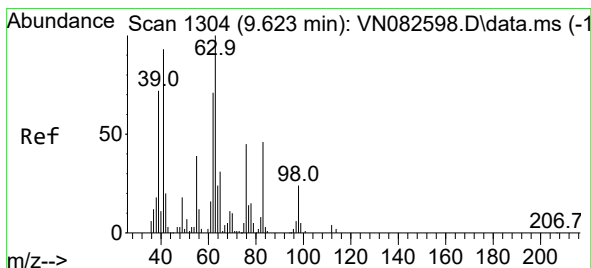
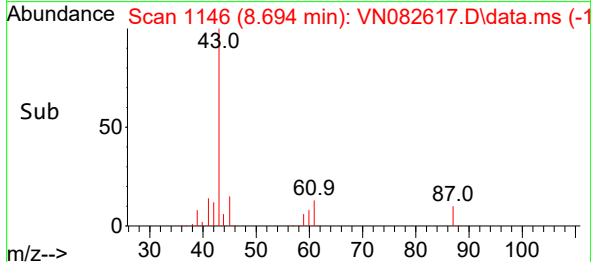
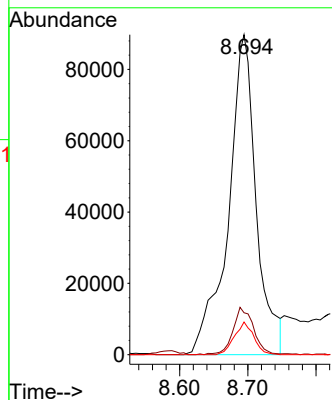
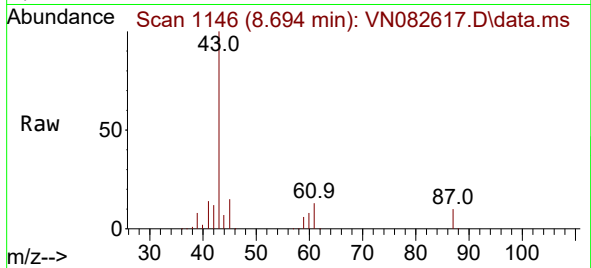




#43
Isopropyl Acetate
Concen: 42.769 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

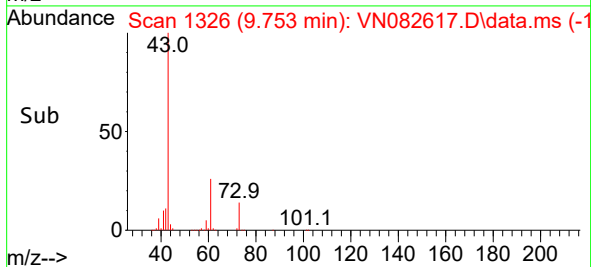
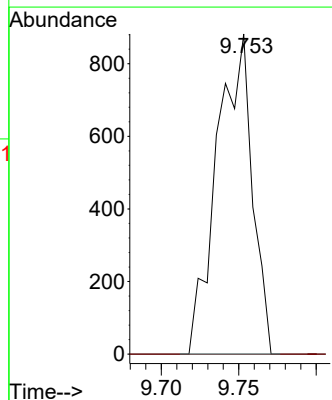
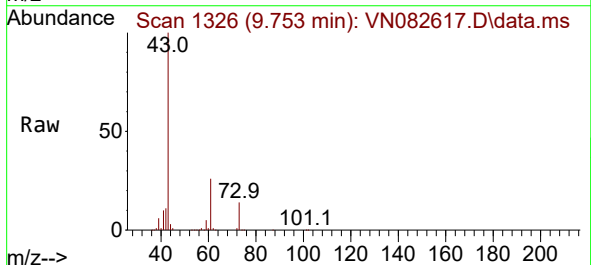
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

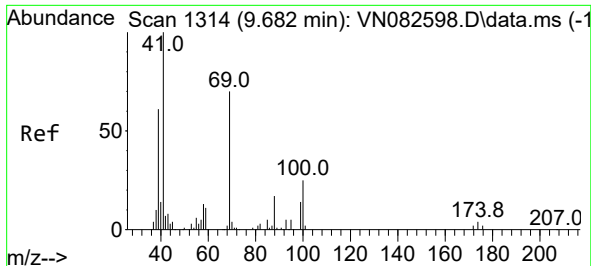
Tgt Ion: 43 Resp: 255488
Ion Ratio Lower Upper
43 100
61 11.1 17.8 26.6#
87 7.0 8.2 12.2#



#45
1,2-Dichloropropane
Concen: 0.700 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.130 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 63 Resp: 1398
Ion Ratio Lower Upper
63 100
65 0.0 24.4 36.6#

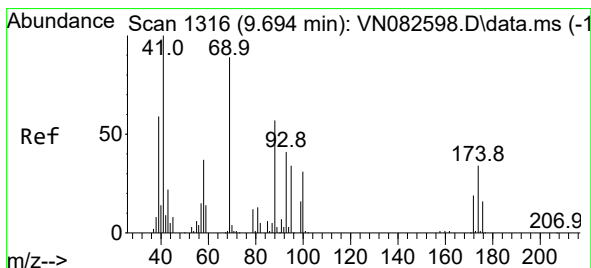
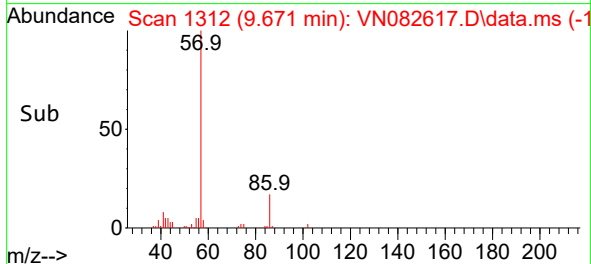
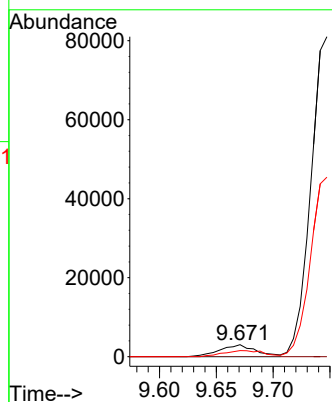
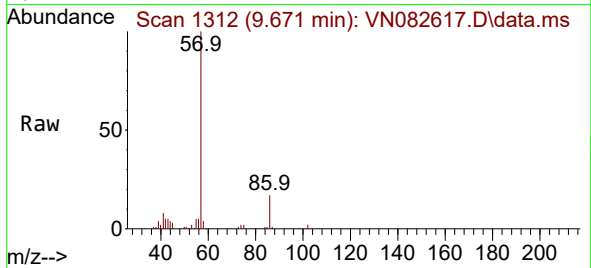




#48
Methyl methacrylate
Concen: 2.698 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

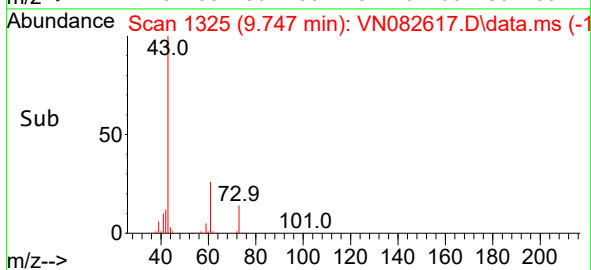
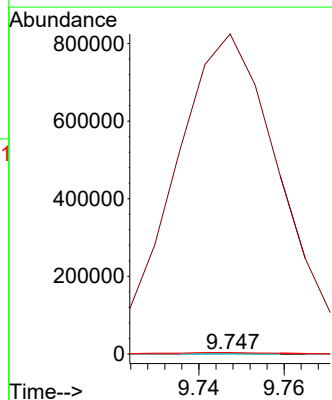
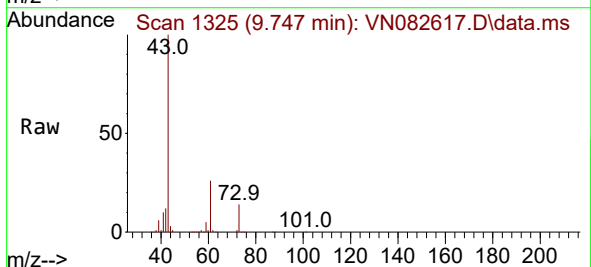
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

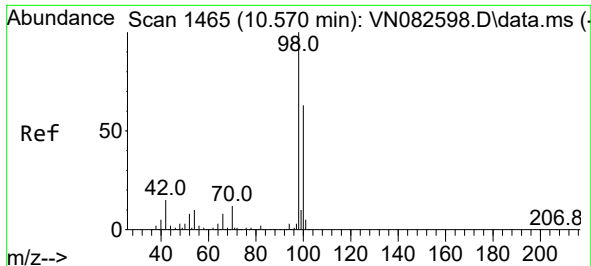
Tgt Ion: 41 Resp: 6643
Ion Ratio Lower Upper
41 100
69 0.0 56.3 84.5#
39 57.2 50.3 75.5



#49
1,4-Dioxane
Concen: 2.077 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 1816348.8 27.8 41.8#
58 8598.8 59.4 89.0#

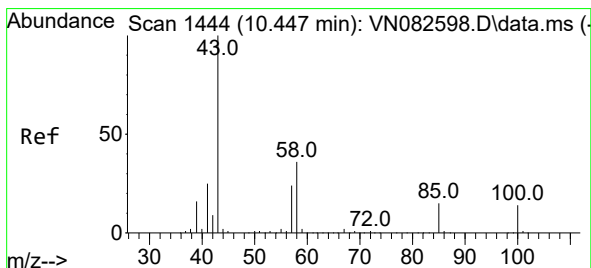
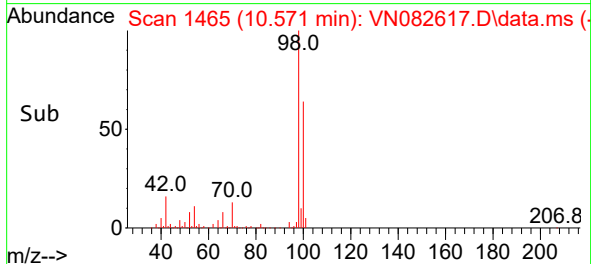
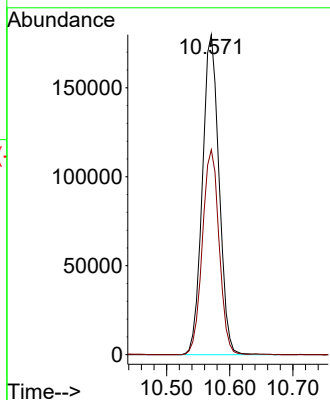
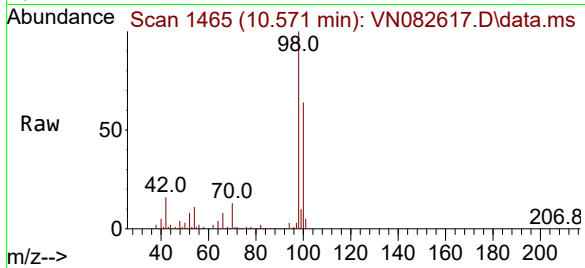




#50
Toluene-d8
Concen: 51.929 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

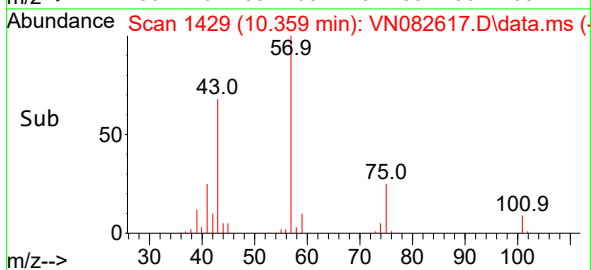
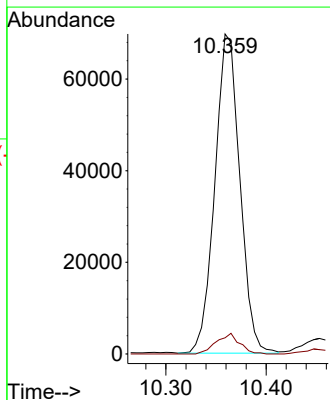
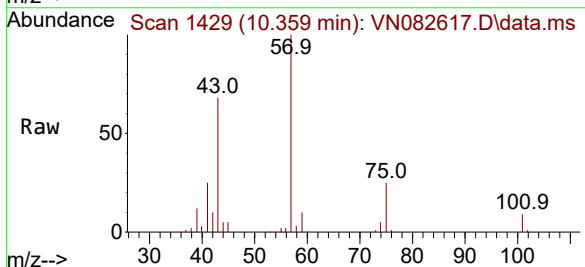
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

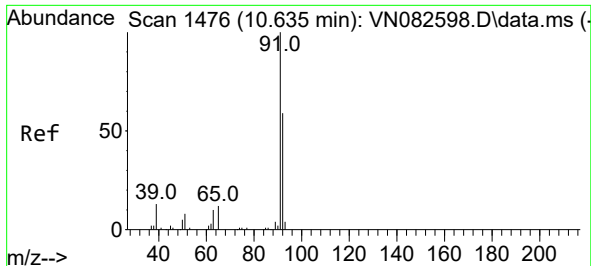
Tgt Ion: 98 Resp: 329640
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 39.334 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 43 Resp: 120518
Ion Ratio Lower Upper
43 100
58 6.0 28.2 42.4#

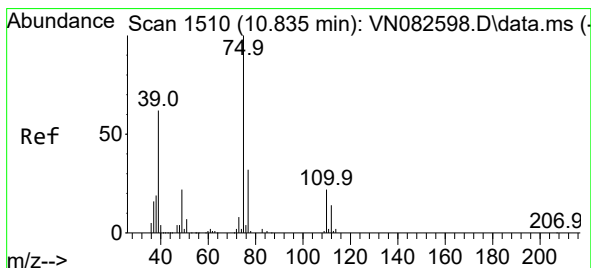
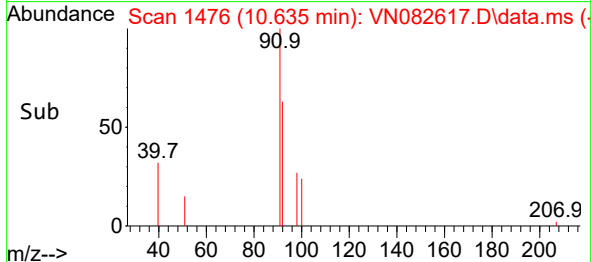
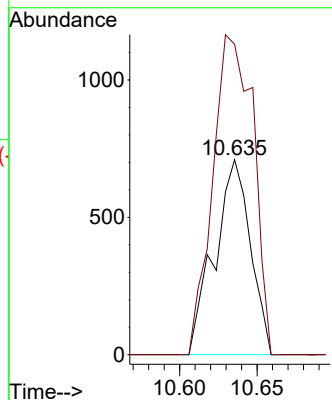
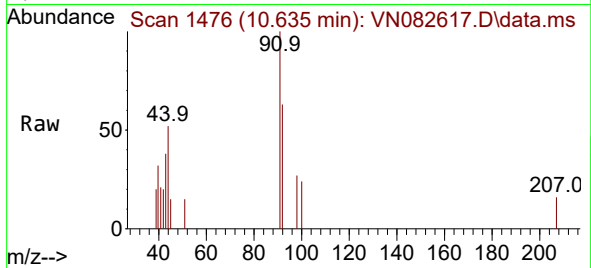




#52
Toluene
Concen: 0.243 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

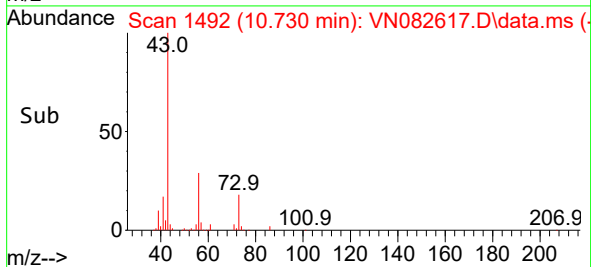
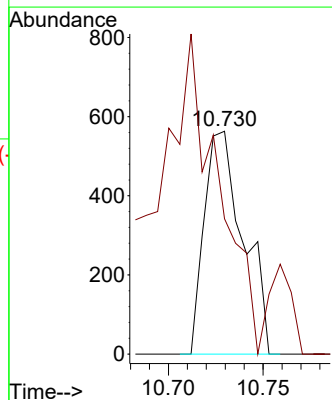
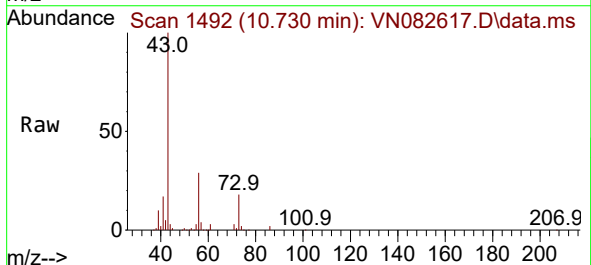
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

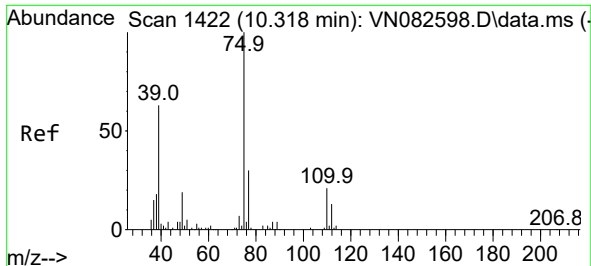
Tgt Ion: 92 Resp: 1143
Ion Ratio Lower Upper
92 100
91 185.2 139.4 209.0



#53
t-1,3-Dichloropropene
Concen: 0.274 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 75 Resp: 807
Ion Ratio Lower Upper
75 100
77 20.4 25.7 38.5#

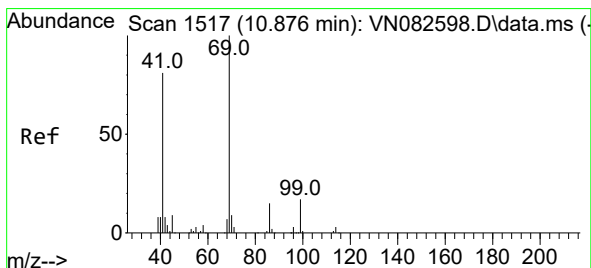
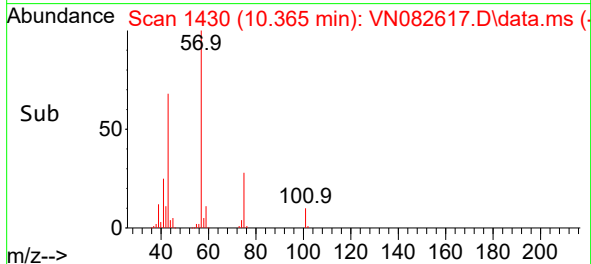
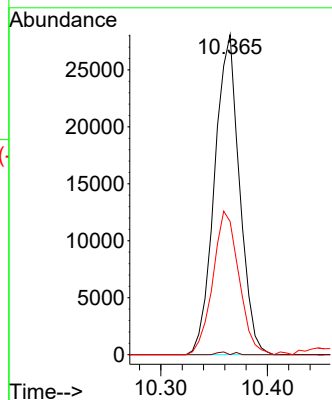
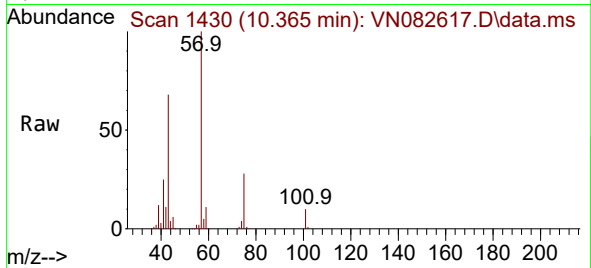




#54
cis-1,3-Dichloropropene
Concen: 14.961 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

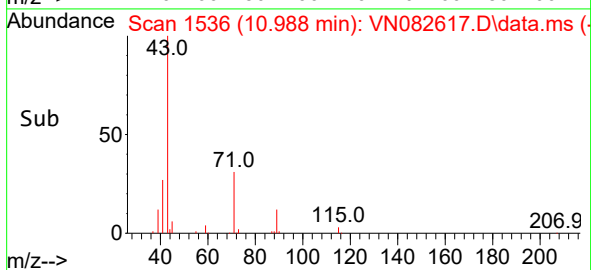
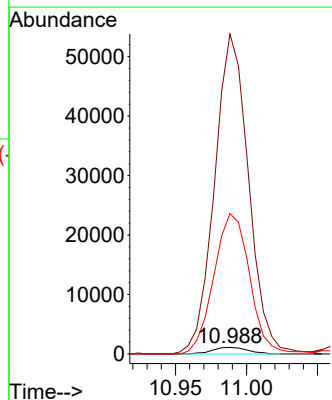
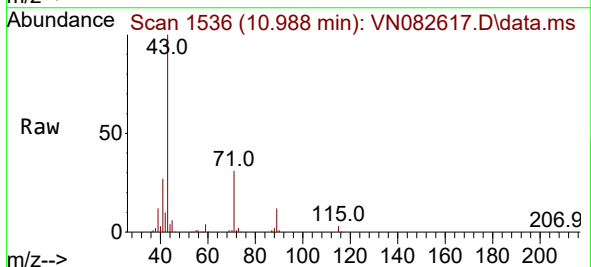
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

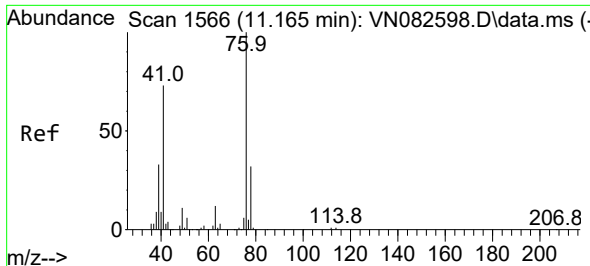
Tgt Ion: 75 Resp: 45619
Ion Ratio Lower Upper
75 100
77 0.0 24.3 36.5#
39 40.7 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.686 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 69 Resp: 1932
Ion Ratio Lower Upper
69 100
41 4644.2 63.4 95.2#
39 2148.5 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 2.067 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082617.D

Acq: 17 Jun 2024 18:38

Instrument :

MSVOA_N

ClientSampleId :

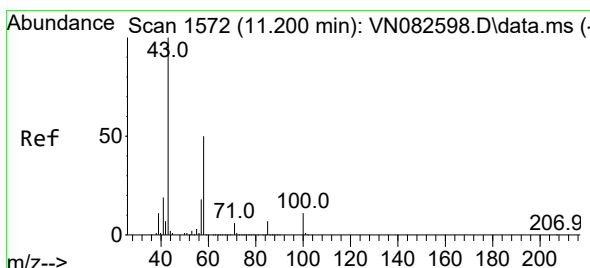
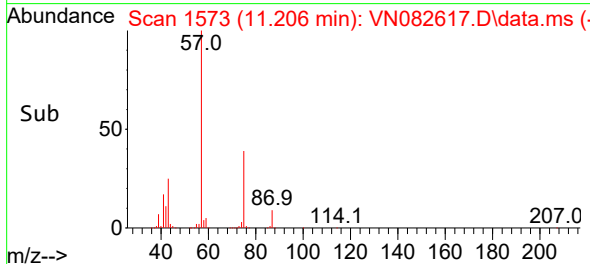
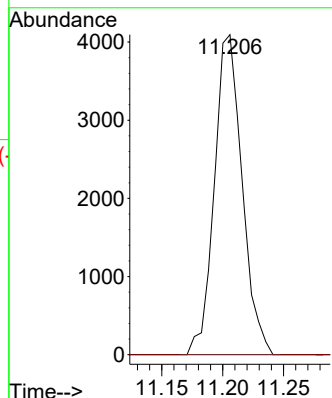
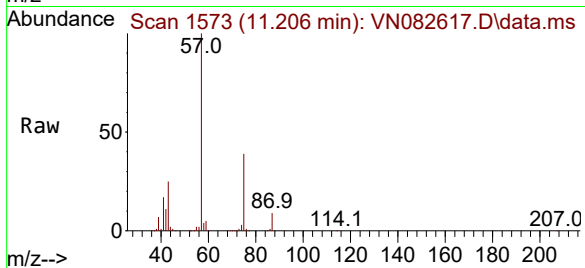
WCS-TPJ

Tgt Ion: 76 Resp: 6498

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 56.169 ug/l

RT: 11.177 min Scan# 1568

Delta R.T. -0.023 min

Lab File: VN082617.D

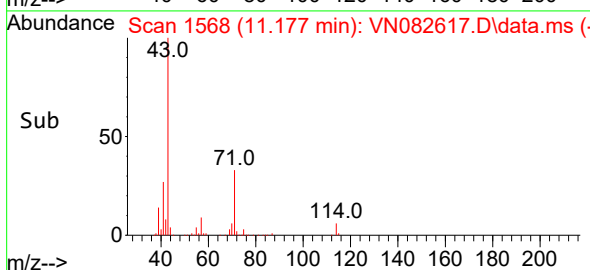
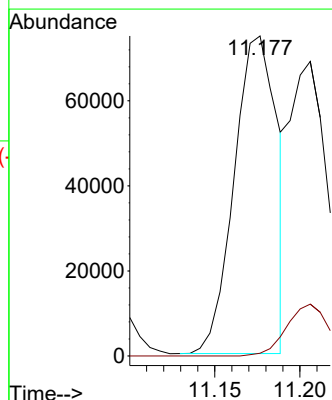
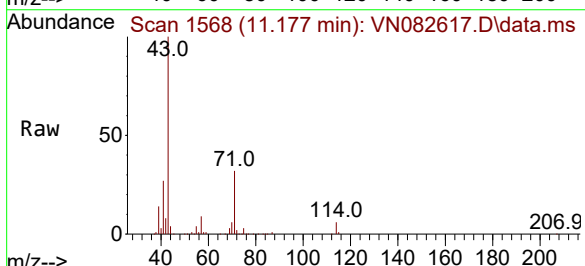
Acq: 17 Jun 2024 18:38

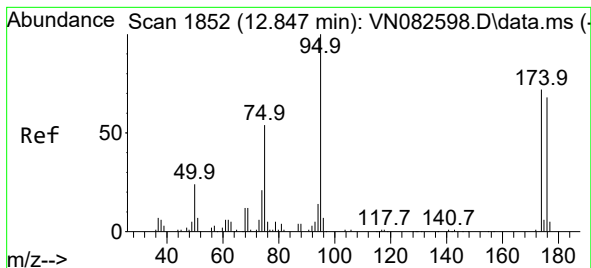
Tgt Ion: 43 Resp: 130803

Ion Ratio Lower Upper

43 100

58 0.0 24.6 73.8#

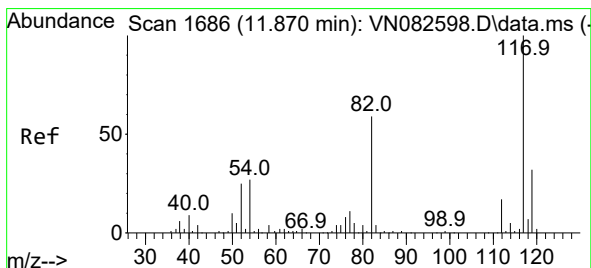
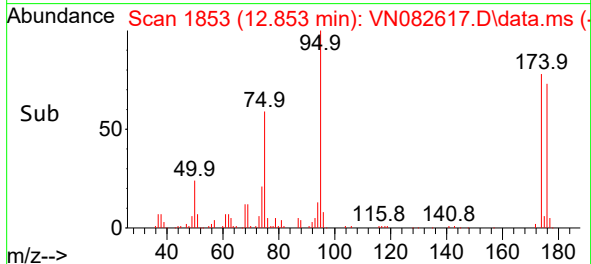
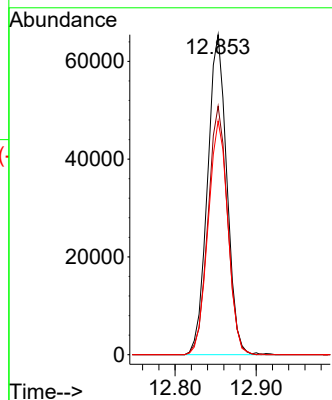
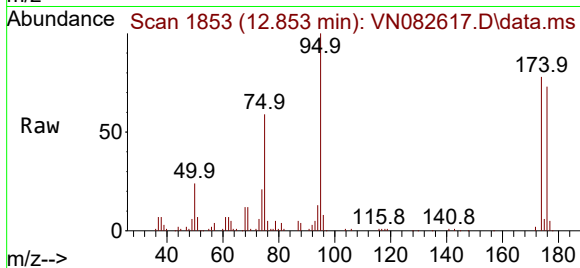




#62
4-Bromofluorobenzene
Concen: 49.328 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

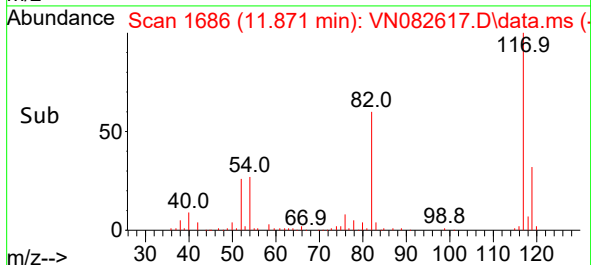
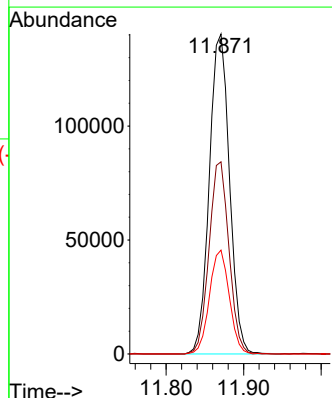
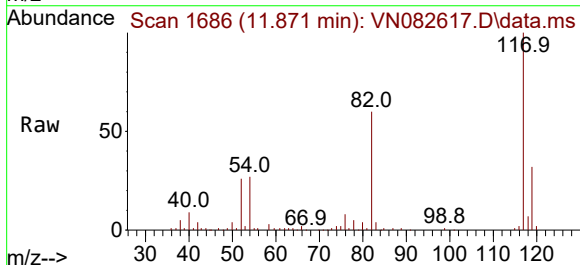
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

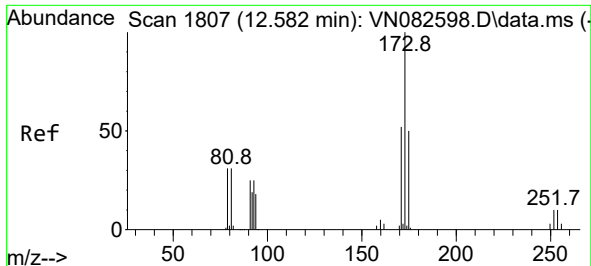
Tgt Ion: 95 Resp: 107957
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.2
176 74.9 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 117 Resp: 254092
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 32.4 25.6 38.4

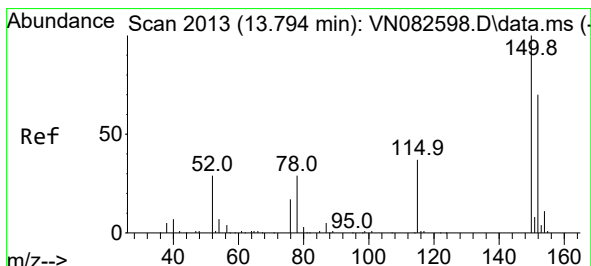
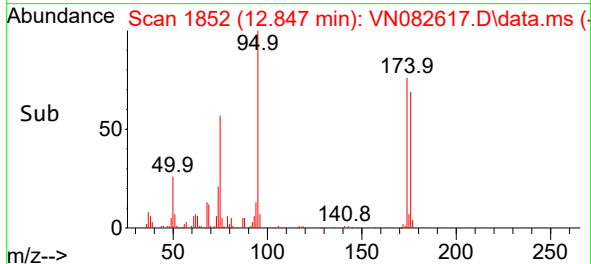
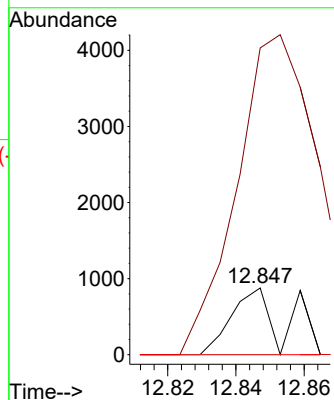
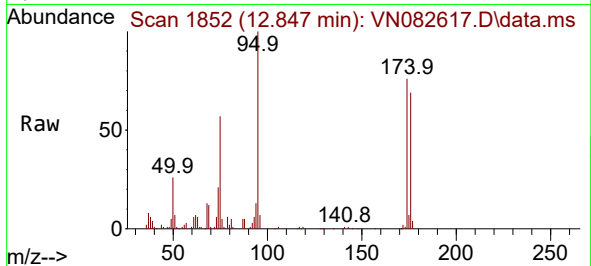




#71
Bromoform
Concen: 0.396 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

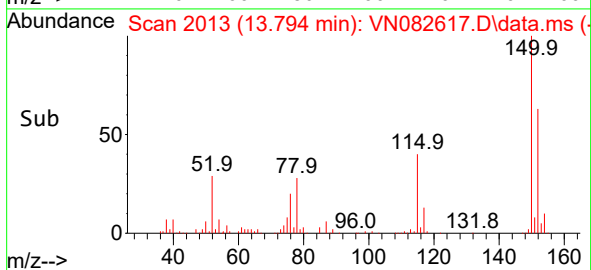
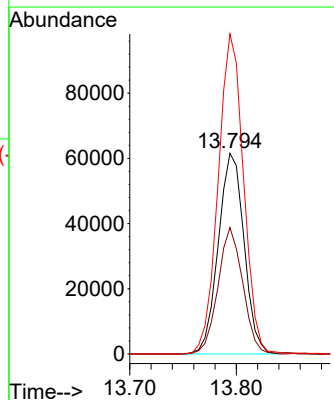
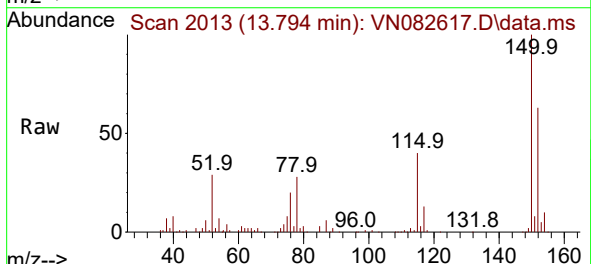
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

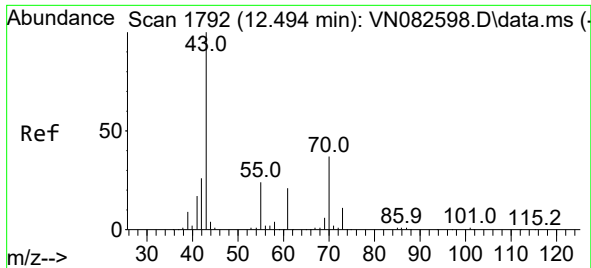
Tgt Ion:173 Resp: 650
Ion Ratio Lower Upper
173 100
175 864.0 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion:152 Resp: 103301
Ion Ratio Lower Upper
152 100
115 60.5 30.6 91.6
150 157.1 0.0 348.6

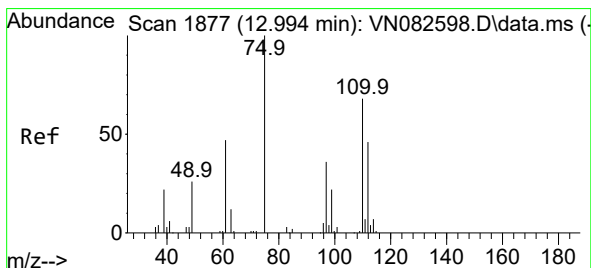
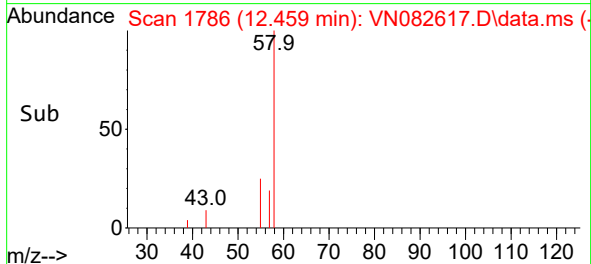
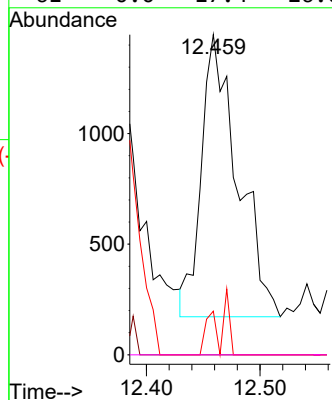
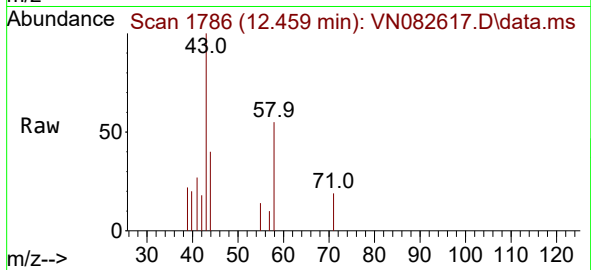




#74
N-amy1 acetate
Concen: 0.678 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

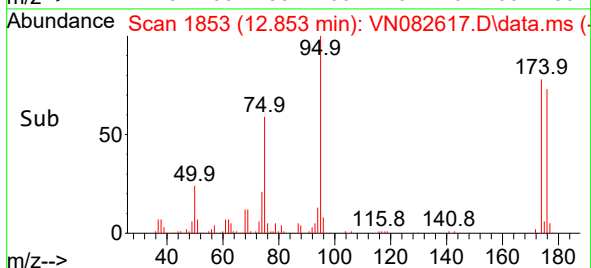
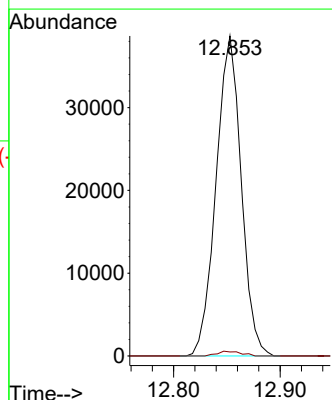
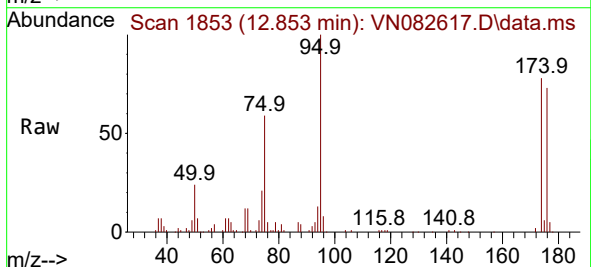
Instrument :
MSVOA_N
ClientSampleId :
WCS-TPJ

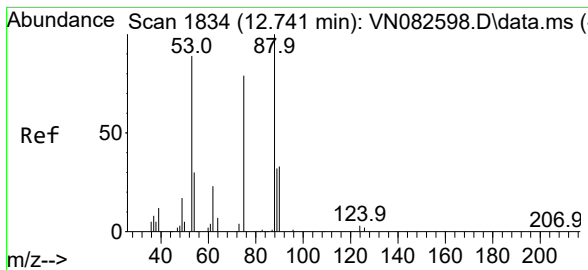
Tgt Ion: 43 Resp: 2840
Ion Ratio Lower Upper
43 100
70 0.0 29.8 44.6#
55 4.4 18.7 28.1#
61 0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 25.072 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082617.D
Acq: 17 Jun 2024 18:38

Tgt Ion: 75 Resp: 63347
Ion Ratio Lower Upper
75 100
77 1.4 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.983 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082617.D
 Acq: 17 Jun 2024 18:38

Instrument :
 MSVOA_N
 ClientSampleId :
 WCS-TPJ

Tgt Ion: 75 Resp: 63347
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.4 132.6#
 89 0.0 36.3 54.5#

