

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
 Data File : VN082436.D
 Acq On : 03 Jun 2024 16:00
 Operator : JC\MD
 Sample : PB161254ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 04 00:31:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

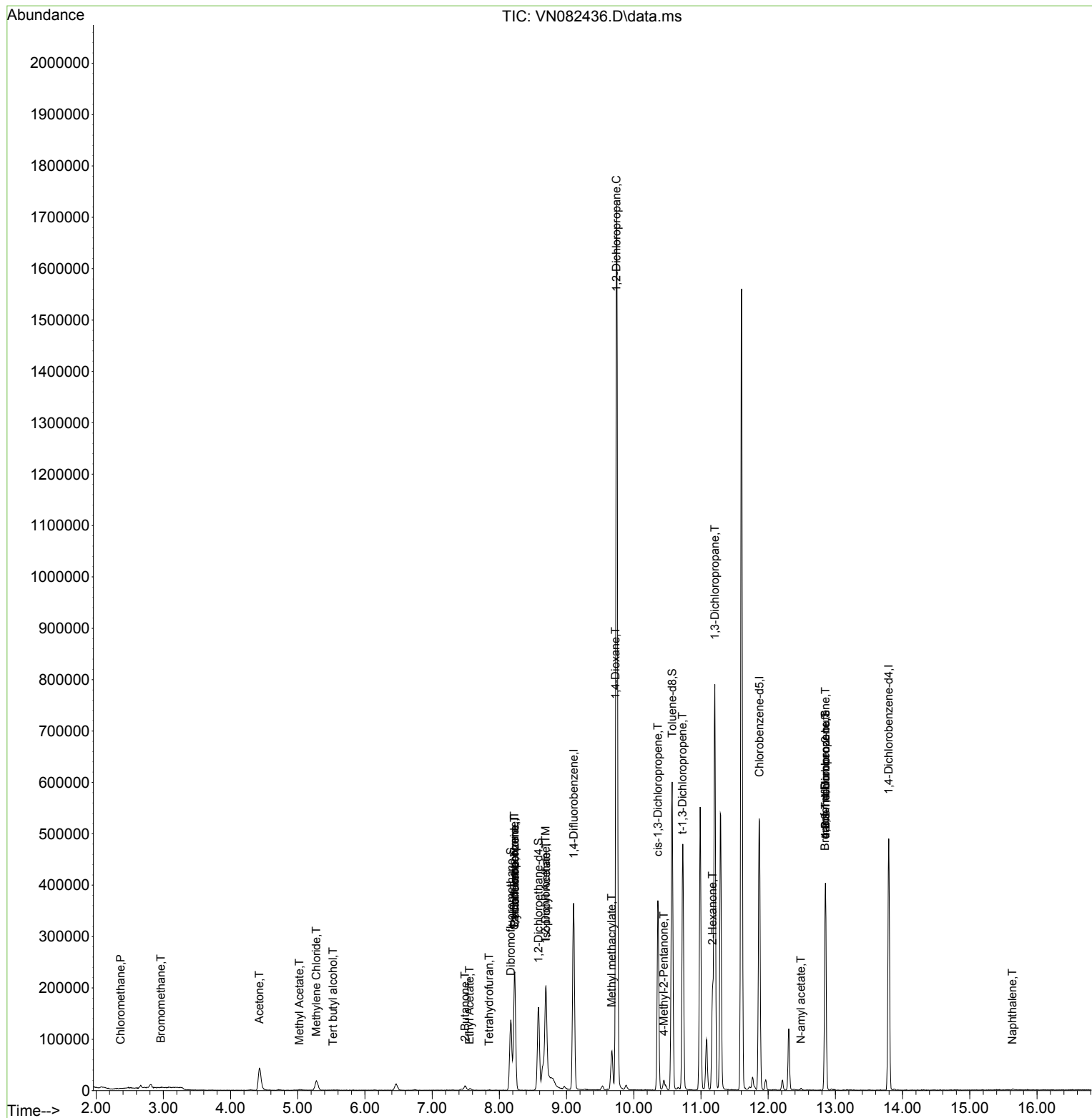
Internal Standards						
1) Pentafluorobenzene	8.229	168	156740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	289546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	284736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134416	54.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.620%			
35) Dibromofluoromethane	8.171	113	94993	53.332	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.660%			
50) Toluene-d8	10.570	98	376435	55.125	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.853	95	130876	53.696	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.400%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	831	0.324	ug/l #	43
5) Bromomethane	2.965	94	575	0.415	ug/l #	39
11) Tert butyl alcohol	5.524	59	138	0.347	ug/l #	71
16) Acetone	4.430	43	85856	84.564	ug/l	92
18) Methyl Acetate	5.024	43	3365	1.331	ug/l #	62
20) Methylene Chloride	5.277	84	12788	6.243	ug/l	88
25) 2-Butanone	7.488	43	14476	9.404	ug/l #	73
29) Tetrahydrofuran	7.847	42	349	0.353	ug/l #	29
31) Cyclohexane	8.229	56	4529	1.146	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	14777	4.947	ug/l #	49
37) Ethyl Acetate	7.559	43	4982	1.490	ug/l #	89
38) Carbon Tetrachloride	8.224	117	16778	5.541	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1057	0.309	ug/l #	73
43) Isopropyl Acetate	8.694	43	334434	56.456	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	1642	0.714	ug/l #	45
48) Methyl methacrylate	9.671	41	5343	1.893	ug/l #	40
49) 1,4-Dioxane	9.729	88	53	1.340	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	20108	5.974	ug/l #	73
53) t-1,3-Dichloropropene	10.723	75	1039	0.315	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	57292	16.428	ug/l #	75
57) 1,3-Dichloropropane	11.206	76	8082	2.225	ug/l #	42
59) 2-Hexanone	11.170	43	162130	65.789	ug/l #	23
71) Bromoform	12.847	173	750	1.150	ug/l #	1
74) N-amyl acetate	12.488	43	2116	0.397	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	76450	29.797	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76450	69.695	ug/l #	12
95) Naphthalene	15.635	128	2491	0.358	ug/l #	88

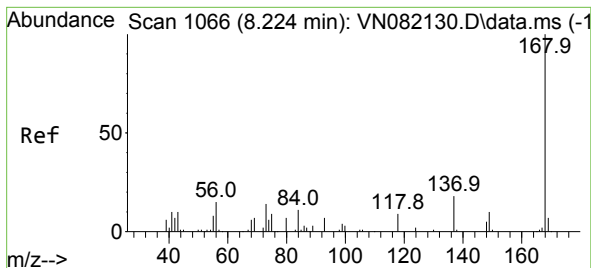
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 04 00:31:01 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: 8.229 min Scan# 10

Delta R.T. 0.005 min

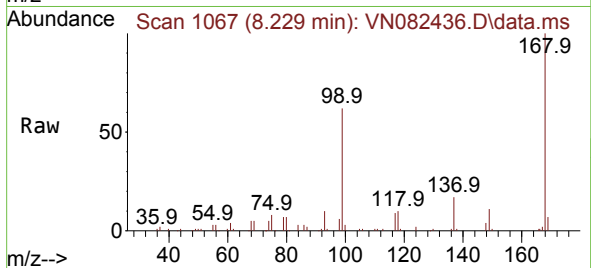
Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Instrument :

MSVOA_N

ClientSampleId :

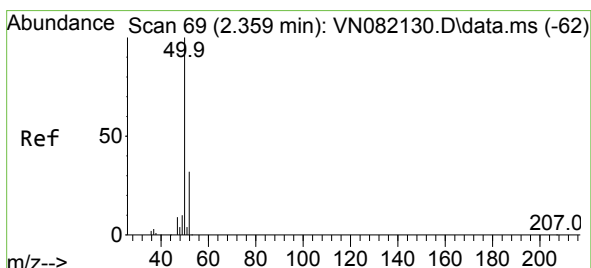
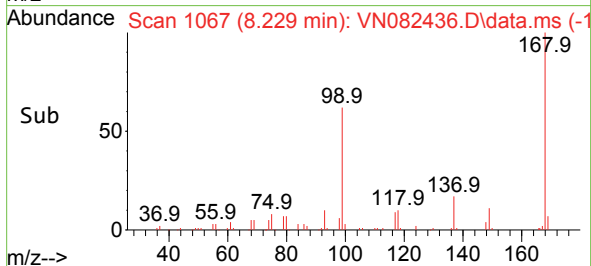
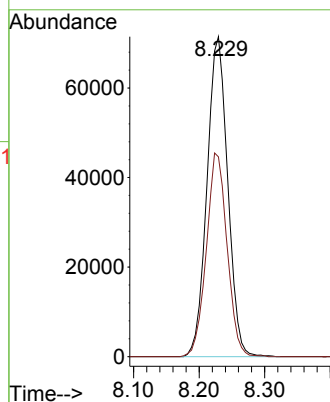


Tgt Ion:168 Resp: 156740

Ion Ratio Lower Upper

168 100

99 62.5 48.2 72.4



#3

Chloromethane

Concen: 0.324 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082436.D

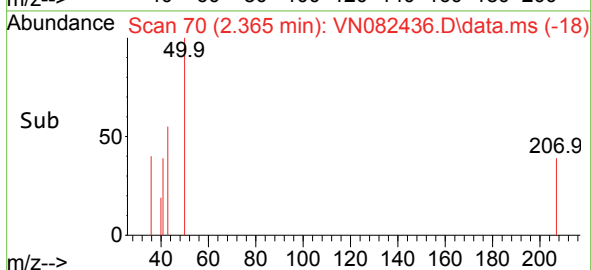
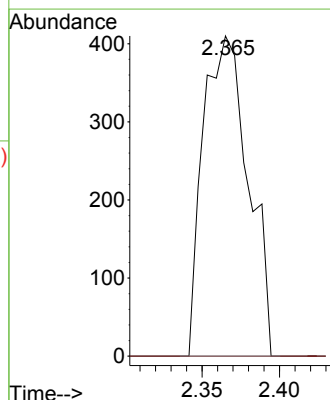
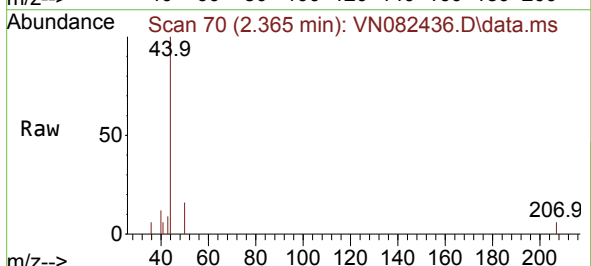
Acq: 03 Jun 2024 16:00

Tgt Ion: 50 Resp: 831

Ion Ratio Lower Upper

50 100

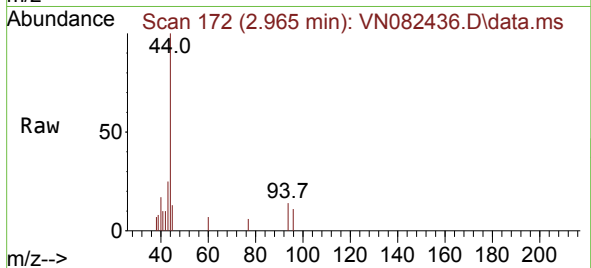
52 0.0 25.5 38.3#



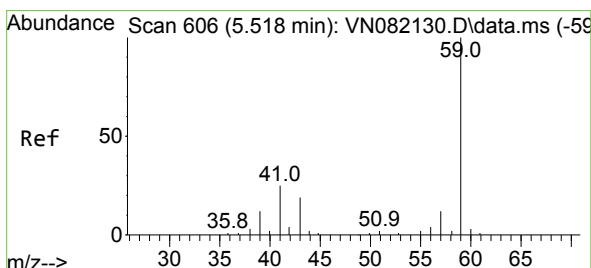
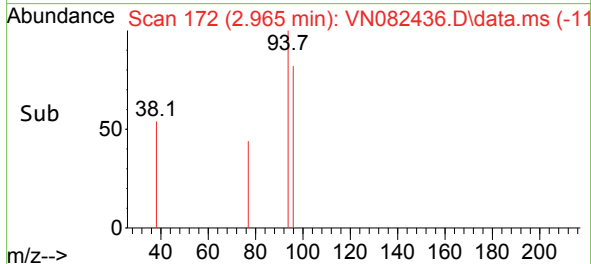
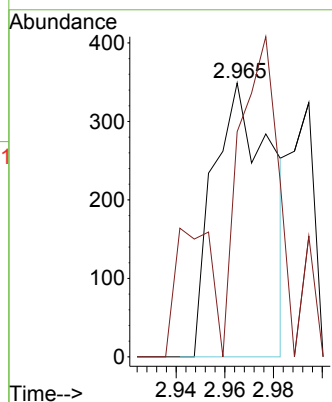


#5
Bromomethane
Concen: 0.415 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

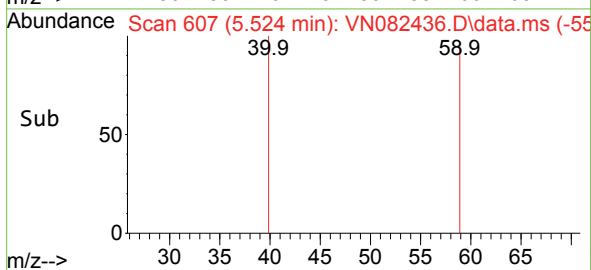
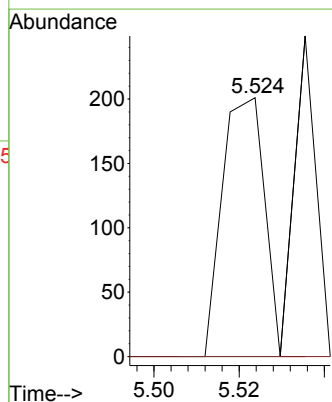
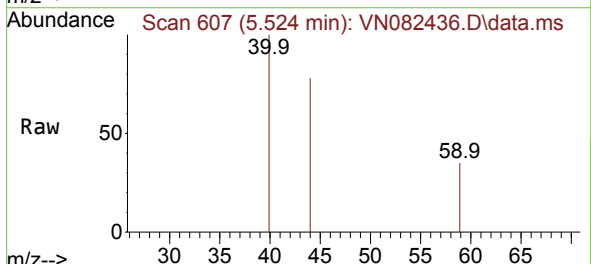


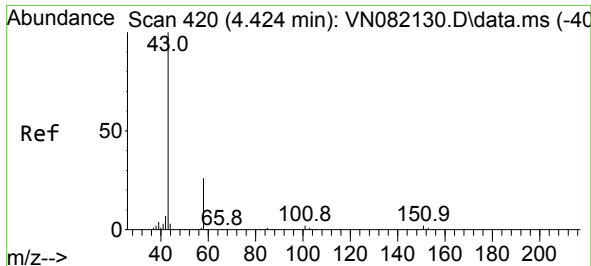
Tgt Ion: 94 Resp: 575
Ion Ratio Lower Upper
94 100
96 35.2 74.8 112.2#



#11
Tert butyl alcohol
Concen: 0.347 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Tgt Ion: 59 Resp: 138
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

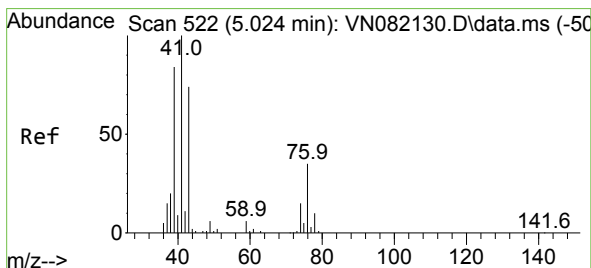
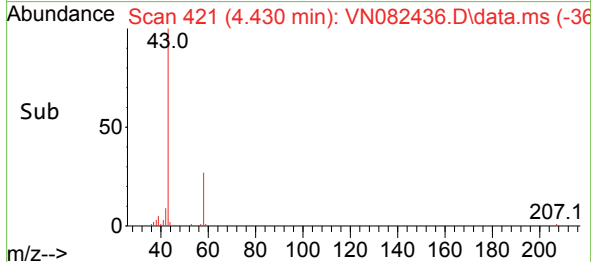
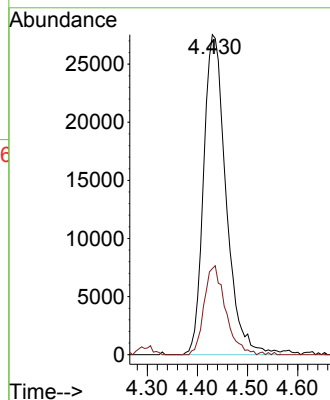
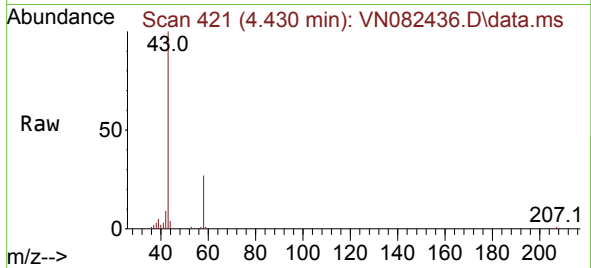




#16
Acetone
Concen: 84.564 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

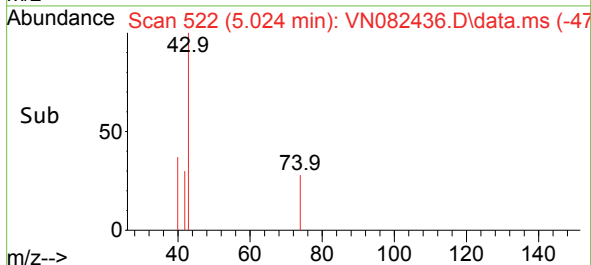
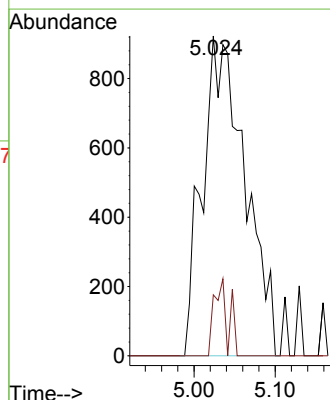
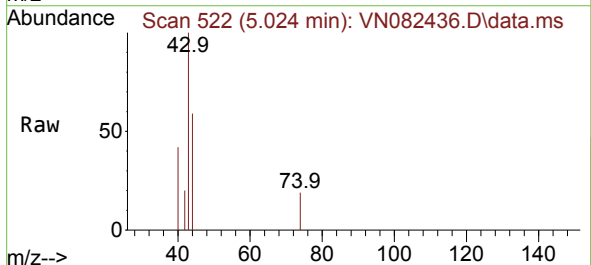
Instrument :
MSVOA_N
ClientSampleId :

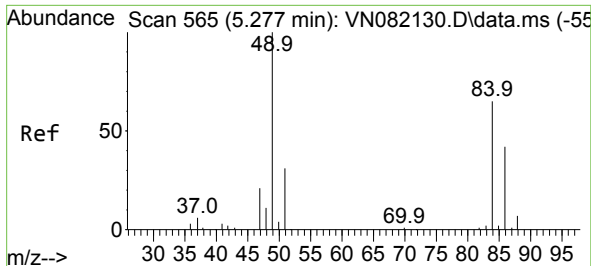
Tgt Ion: 43 Resp: 85856
Ion Ratio Lower Upper
43 100
58 26.9 25.2 37.8



#18
Methyl Acetate
Concen: 1.331 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

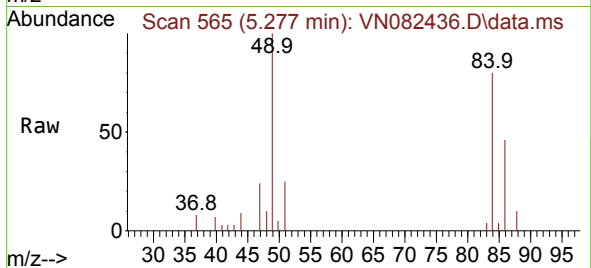
Tgt Ion: 43 Resp: 3365
Ion Ratio Lower Upper
43 100
74 7.9 22.2 33.2#



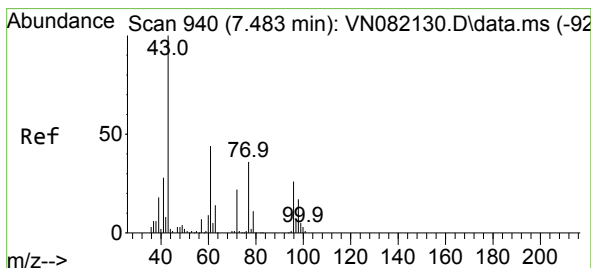
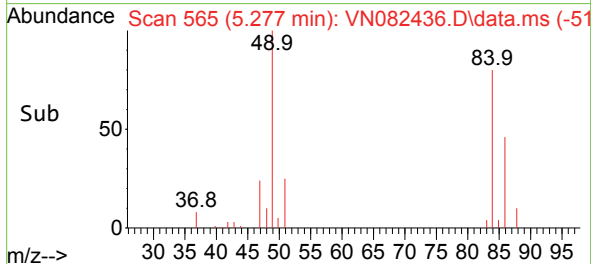
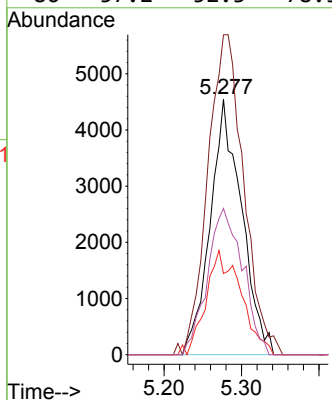


#20
Methylene Chloride
Concen: 6.243 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :

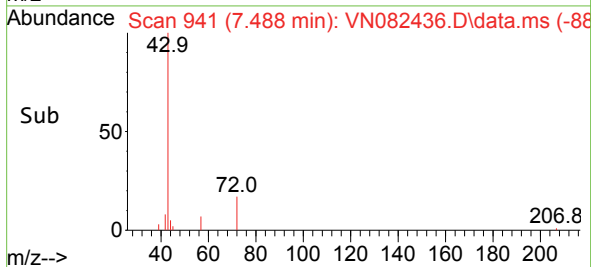
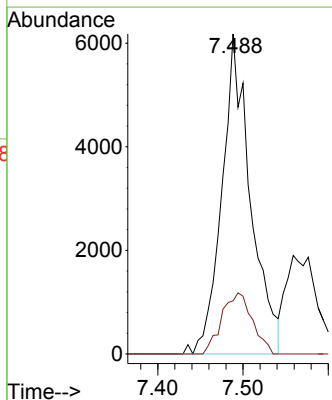
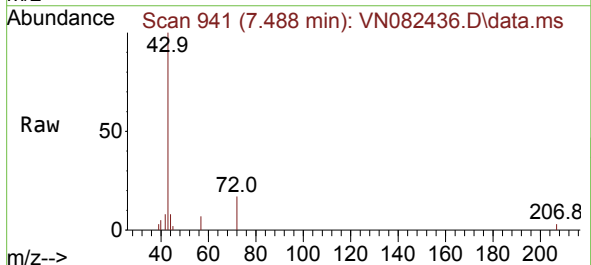


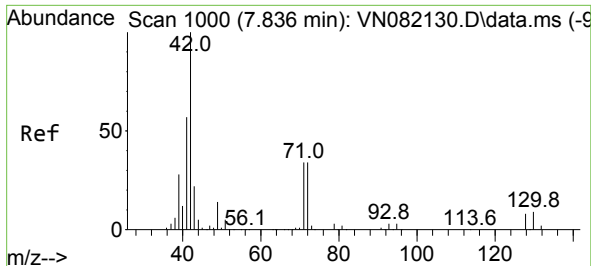
Tgt Ion:	84	Resp:	12788
Ion	Ratio	Lower	Upper
84	100		
49	121.5	84.9	127.3
51	31.8	27.0	40.6
86	57.2	52.3	78.5



#25
2-Butanone
Concen: 9.404 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Tgt Ion:	43	Resp:	14476
Ion	Ratio	Lower	Upper
43	100		
72	16.6	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.353 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.011 min

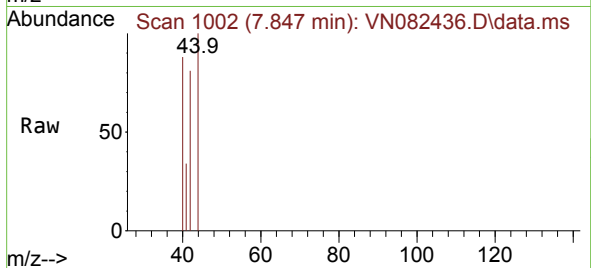
Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

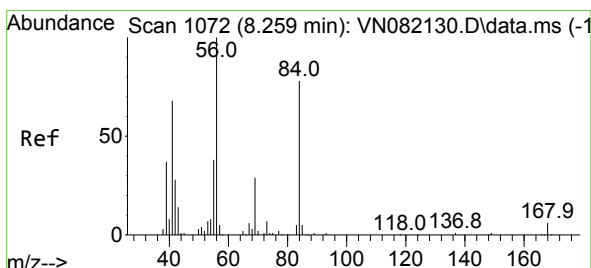
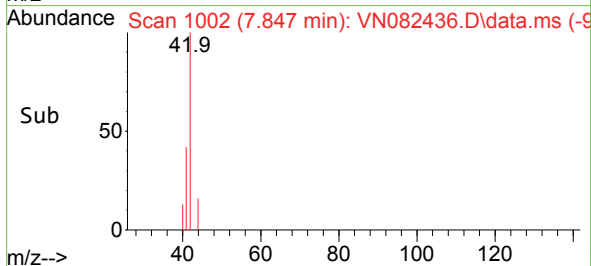
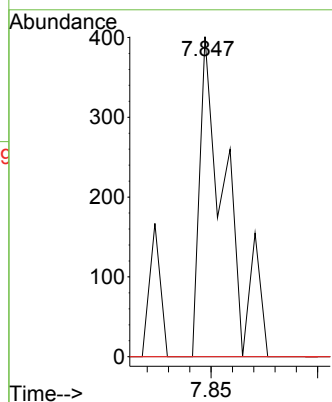
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	349
Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.3	58.9#
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.146 ug/l

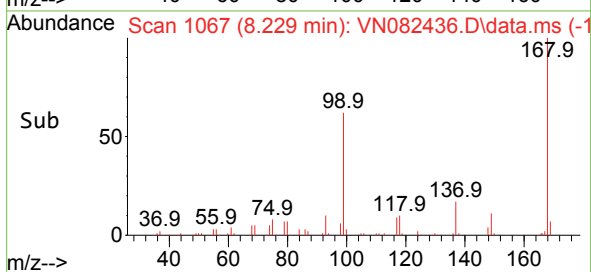
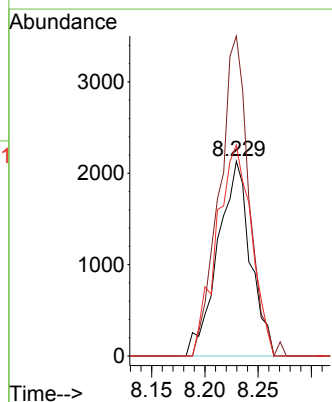
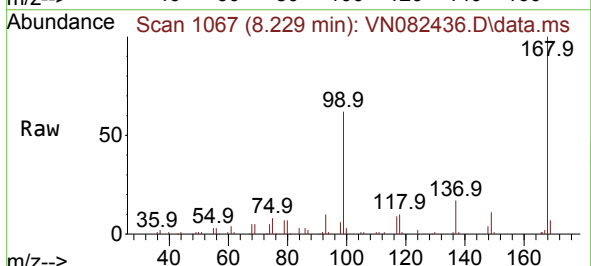
RT: 8.229 min Scan# 1067

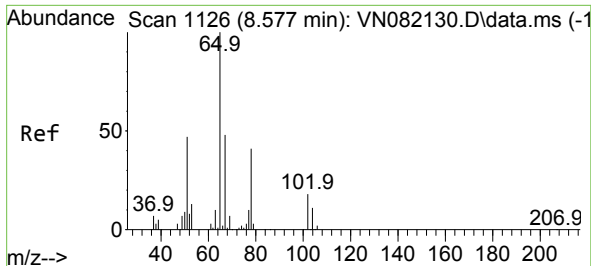
Delta R.T. -0.030 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Tgt Ion:	56	Resp:	4529
Ion	Ratio	Lower	Upper
56	100		
69	164.4	24.4	36.6#
84	108.4	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 54.310 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Instrument :

MSVOA_N

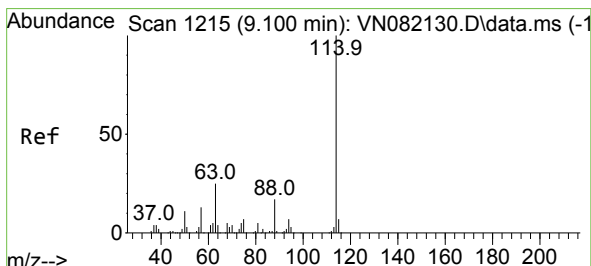
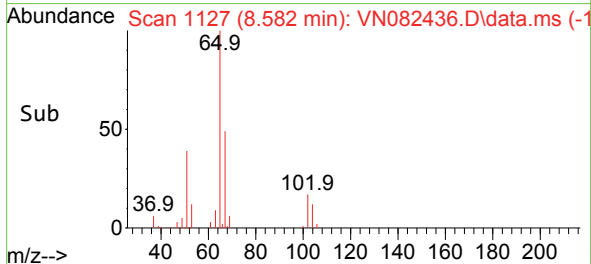
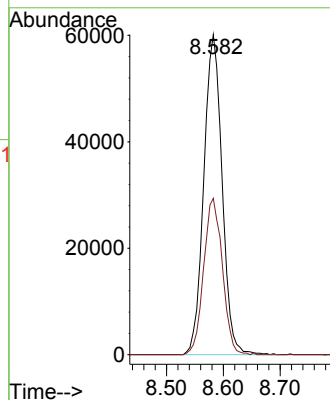
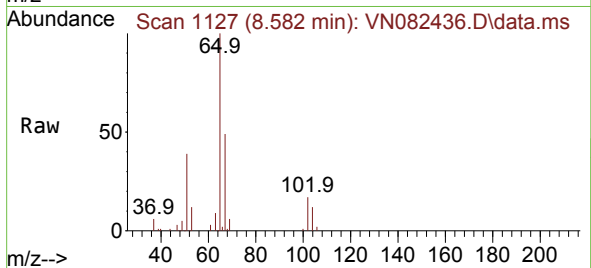
ClientSampleId :

Tgt Ion: 65 Resp: 134416

Ion Ratio Lower Upper

65 100

67 49.9 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: VN082436.D

Acq: 03 Jun 2024 16:00

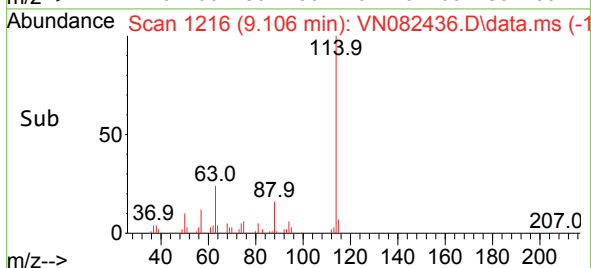
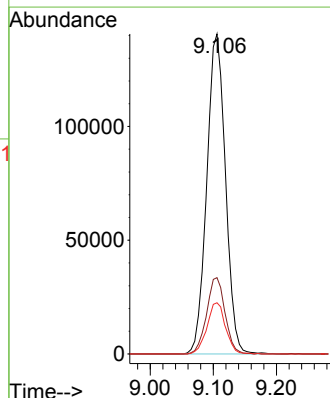
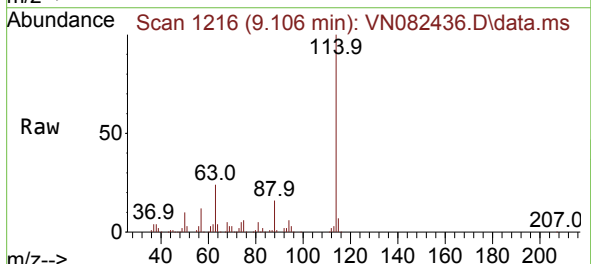
Tgt Ion: 114 Resp: 289546

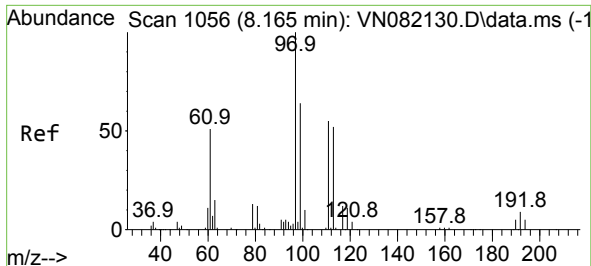
Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 16.0 0.0 31.4

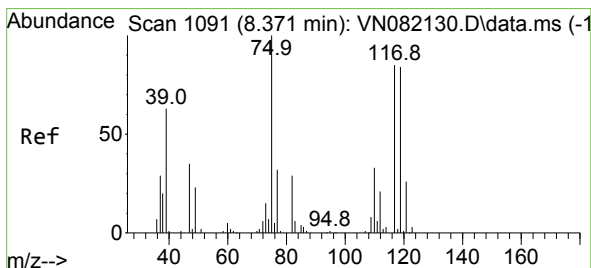
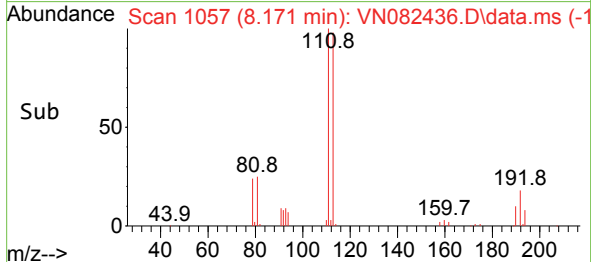
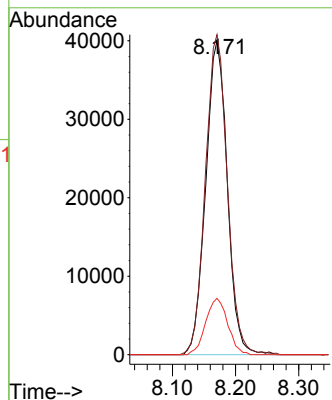
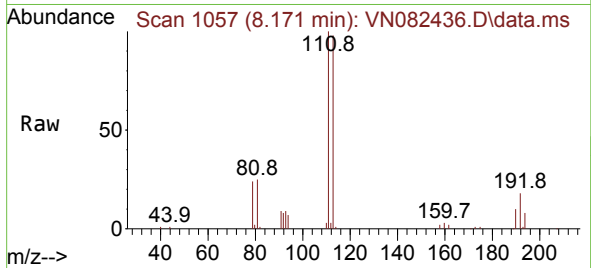




#35
Dibromofluoromethane
Concen: 53.332 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

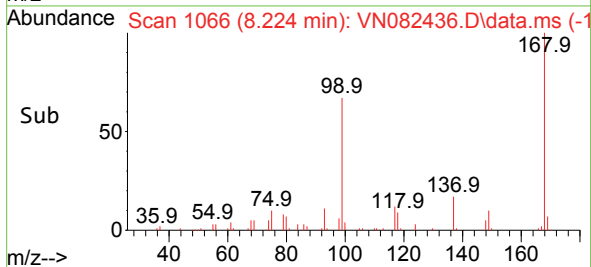
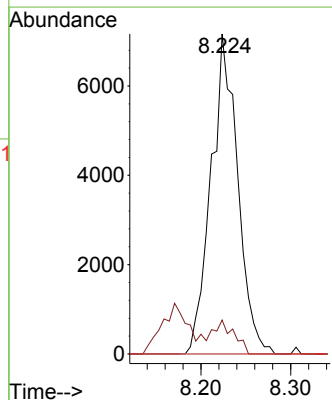
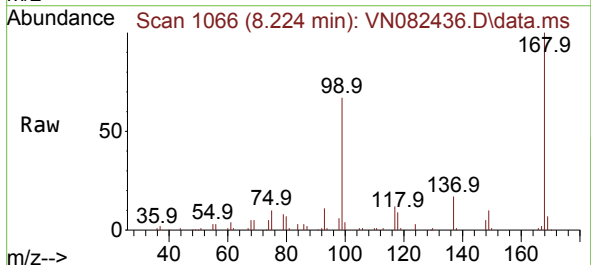
Instrument :
MSVOA_N
ClientSampleId :

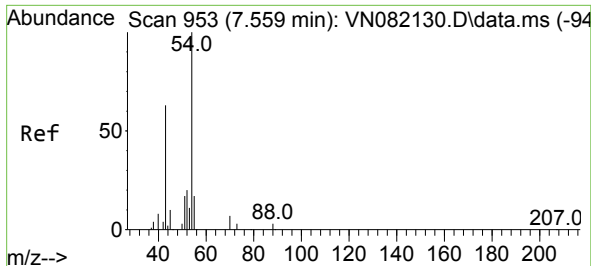
Tgt Ion:113 Resp: 94993
Ion Ratio Lower Upper
113 100
111 103.5 83.4 125.2
192 18.3 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.947 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Tgt Ion: 75 Resp: 14777
Ion Ratio Lower Upper
75 100
110 8.2 17.8 53.5#
77 0.0 25.0 37.4#

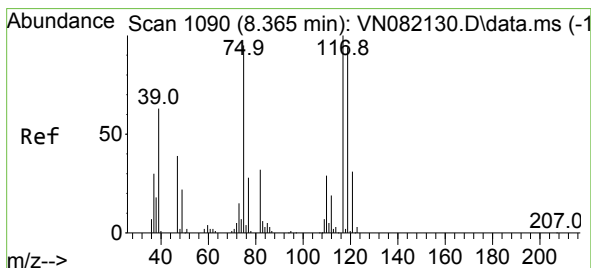
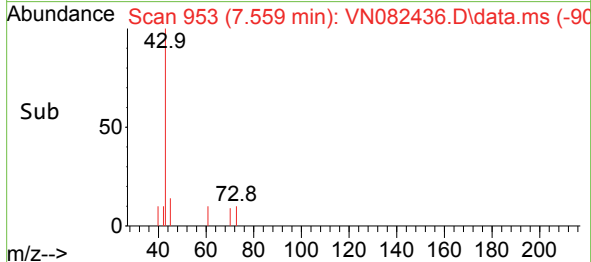
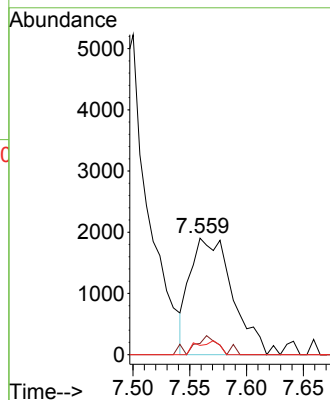
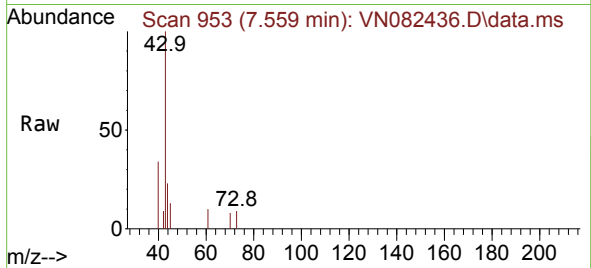




#37
Ethyl Acetate
Concen: 1.490 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

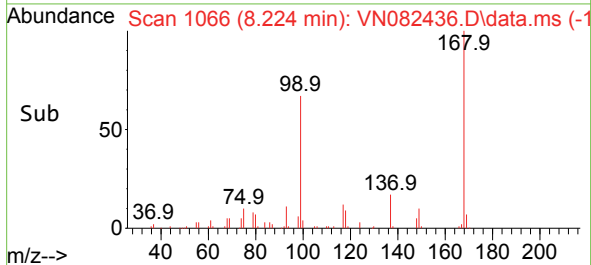
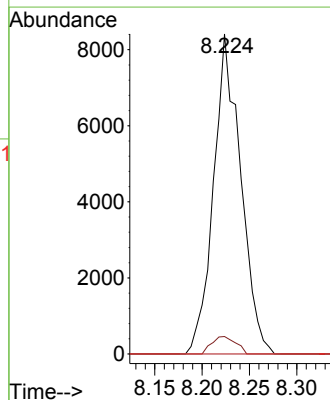
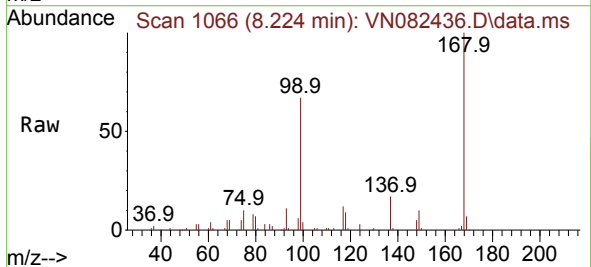
Instrument :
MSVOA_N
ClientSampleId :

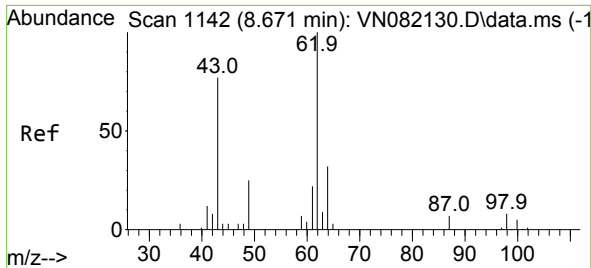
Tgt Ion: 43 Resp: 4982
Ion Ratio Lower Upper
43 100
61 9.8 11.3 16.9#
70 6.3 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.541 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Tgt Ion: 117 Resp: 16778
Ion Ratio Lower Upper
117 100
119 5.5 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.309 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Instrument :

MSVOA_N

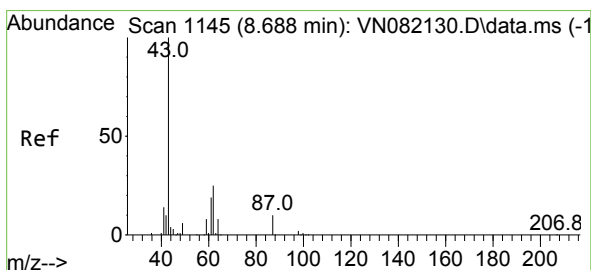
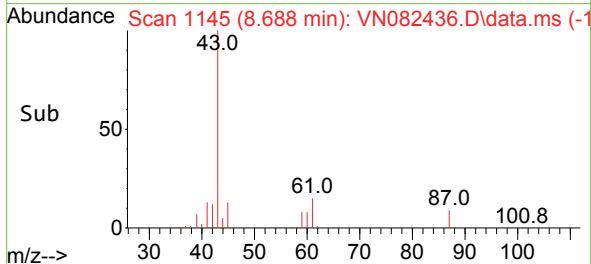
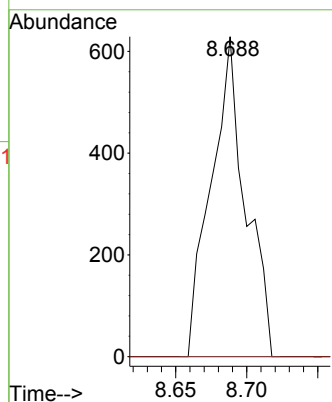
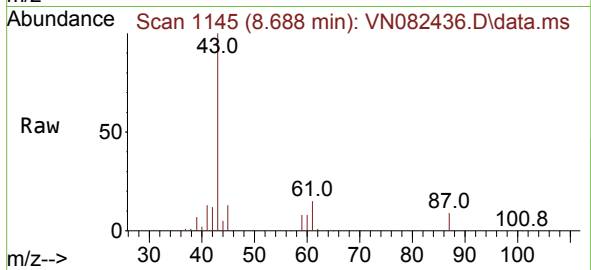
ClientSampleId :

Tgt Ion: 62 Resp: 1057

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 56.456 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

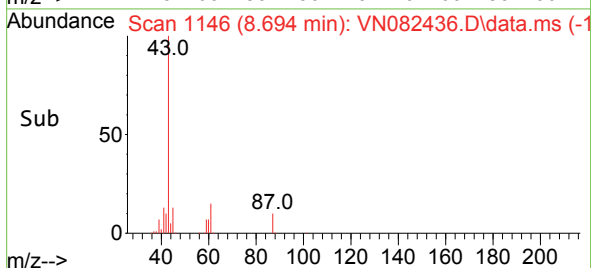
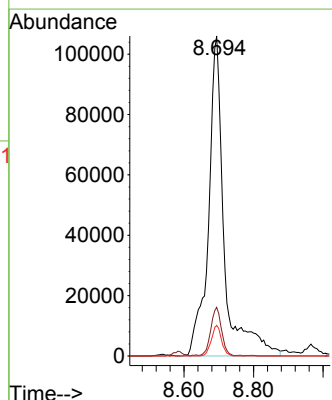
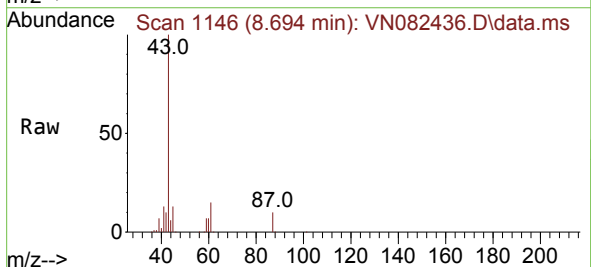
Tgt Ion: 43 Resp: 334434

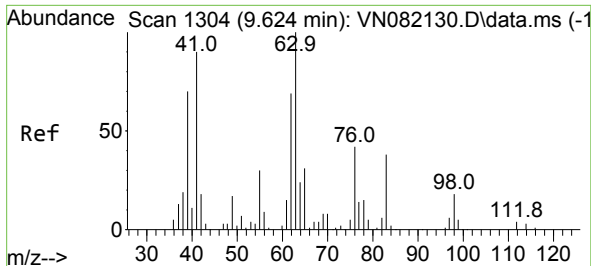
Ion Ratio Lower Upper

43 100

61 10.1 22.8 34.2#

87 6.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.714 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Instrument :

MSVOA_N

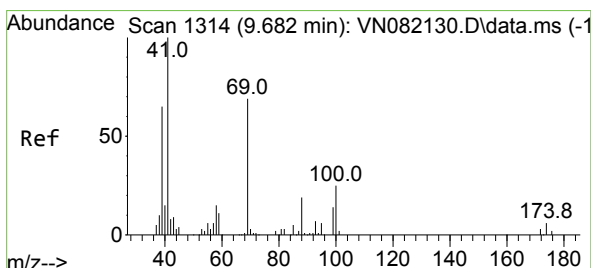
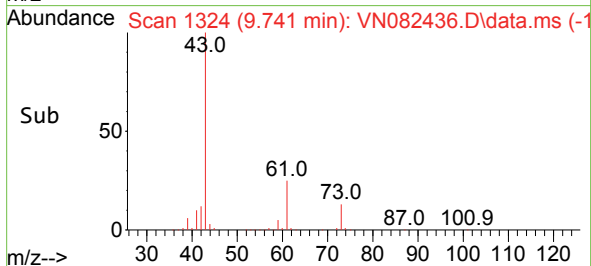
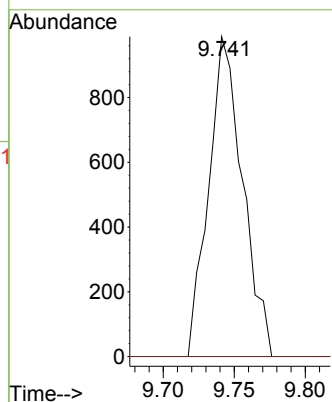
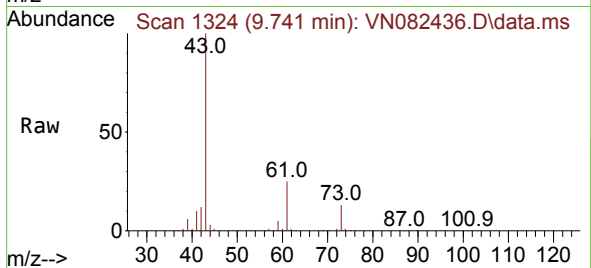
ClientSampleId :

Tgt Ion: 63 Resp: 1642

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.893 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

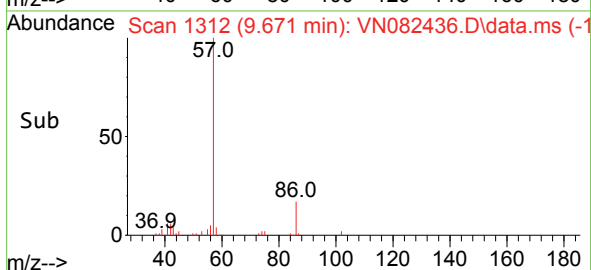
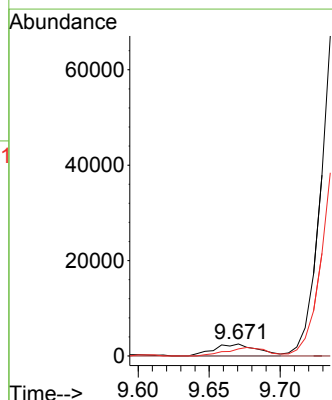
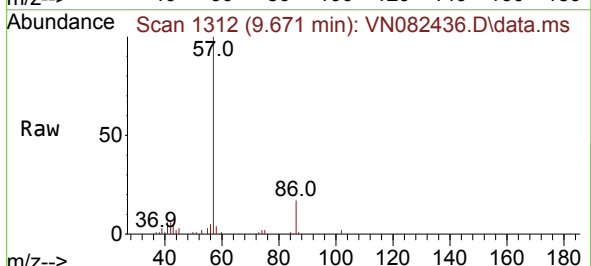
Tgt Ion: 41 Resp: 5343

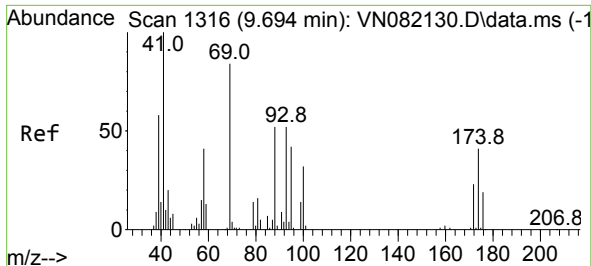
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 64.2 50.9 76.3





#49

1,4-Dioxane

Concen: 1.340 ug/l

RT: 9.729 min Scan# 1316

Delta R.T. 0.035 min

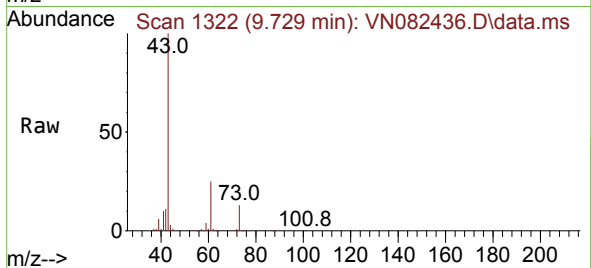
Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Instrument :

MSVOA_N

ClientSampleId :



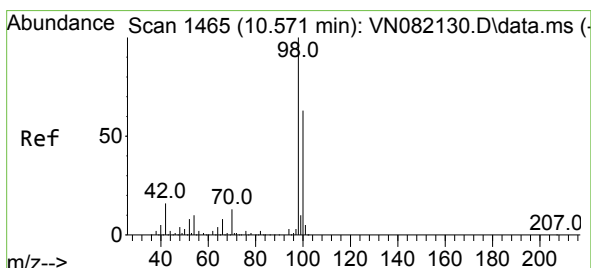
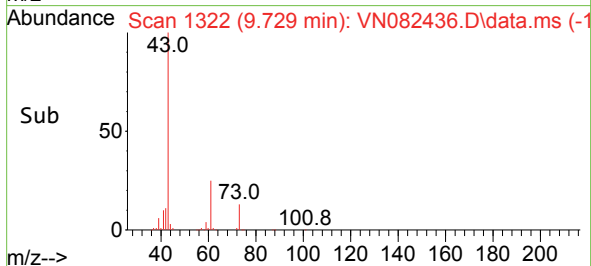
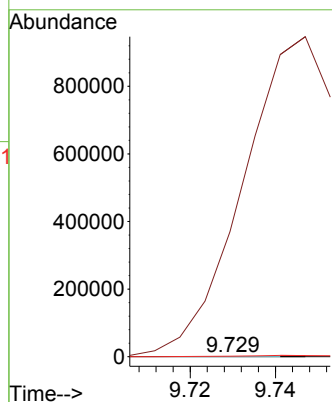
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 3199830.2 19.0 28.6#

58 13445.3 50.6 76.0#



#50

Toluene-d8

Concen: 55.125 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082436.D

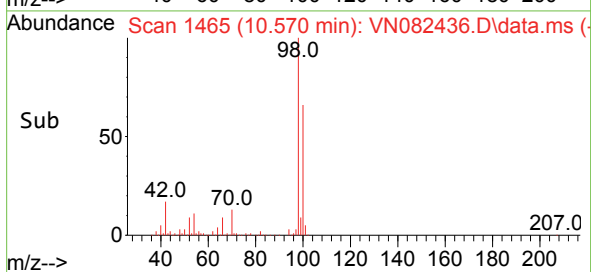
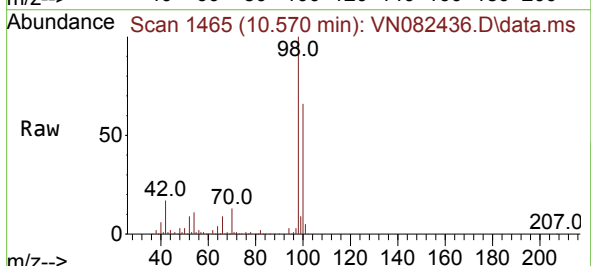
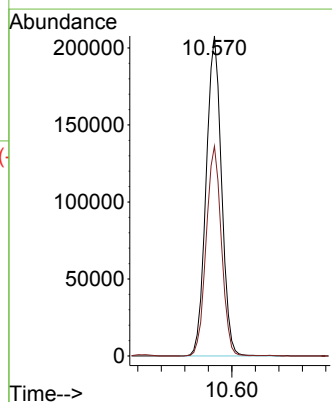
Acq: 03 Jun 2024 16:00

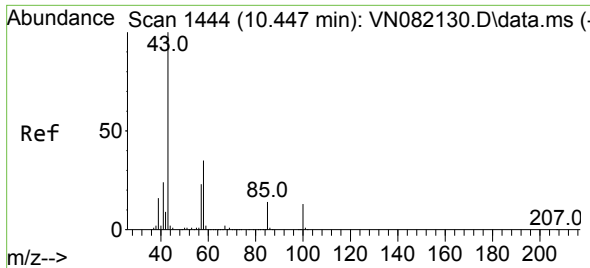
Tgt Ion: 98 Resp: 376435

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.6

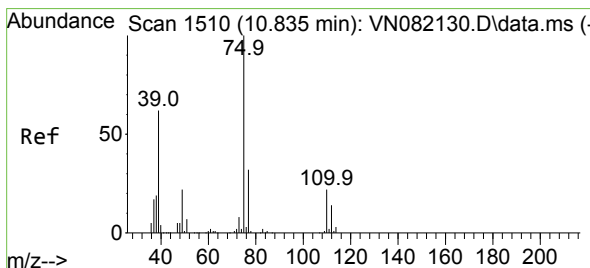
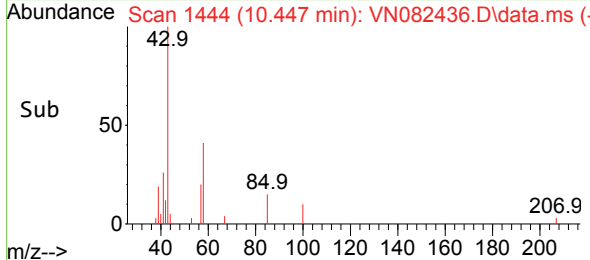
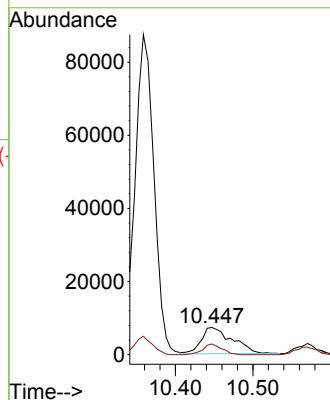
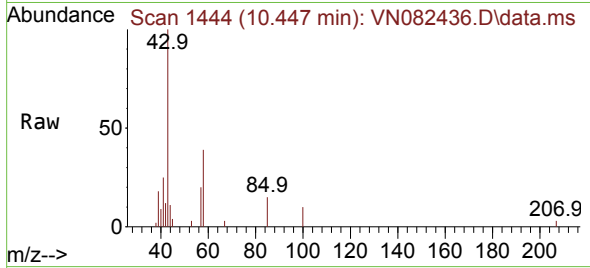




#51
4-Methyl-2-Pentanone
Concen: 5.974 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

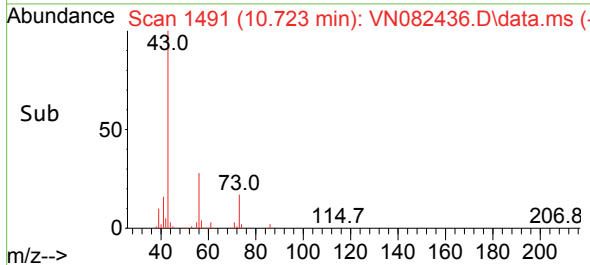
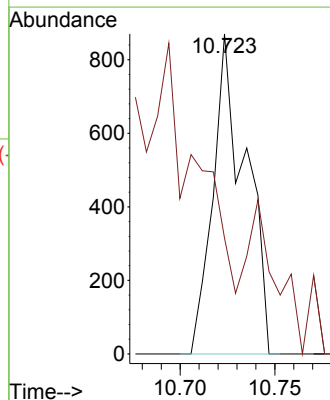
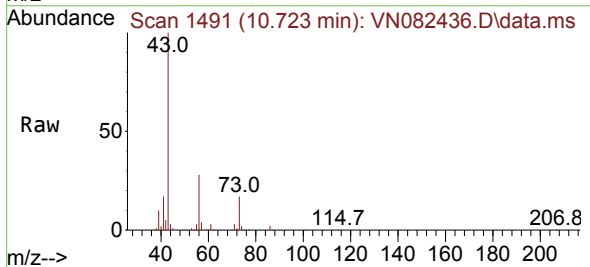
Instrument :
MSVOA_N
ClientSampleId :

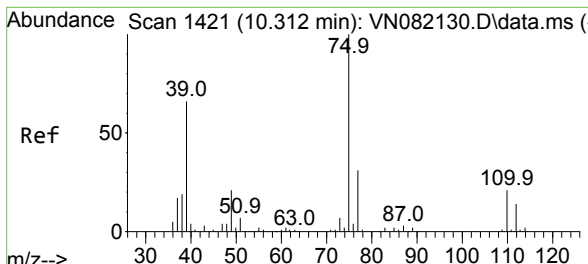
Tgt Ion: 43 Resp: 20108
Ion Ratio Lower Upper
43 100
58 24.7 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.315 ug/l
RT: 10.723 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Tgt Ion: 75 Resp: 1039
Ion Ratio Lower Upper
75 100
77 17.8 25.4 38.0#

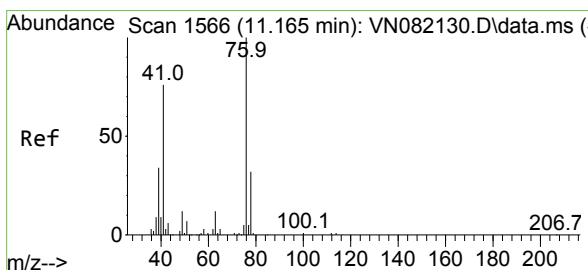
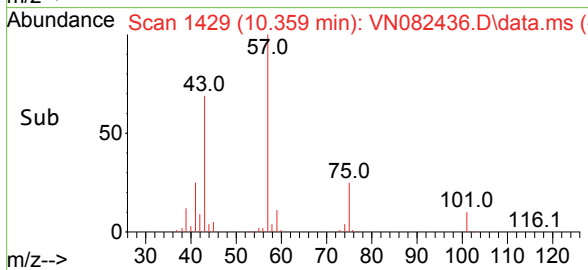
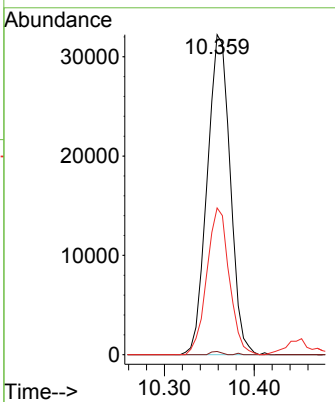
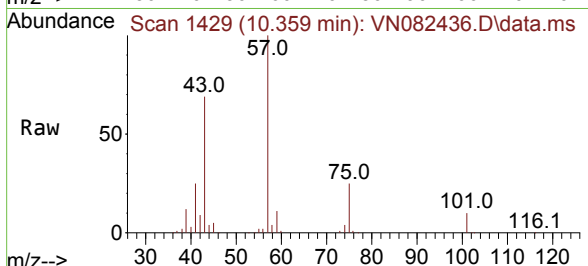




#54
 cis-1,3-Dichloropropene
 Concen: 16.428 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082436.D
 Acq: 03 Jun 2024 16:00

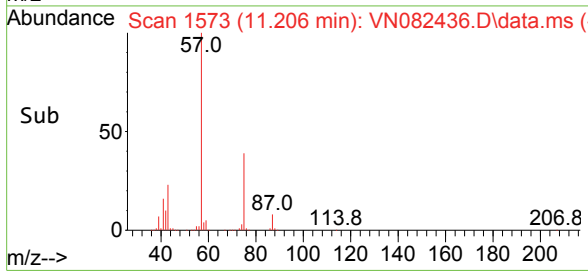
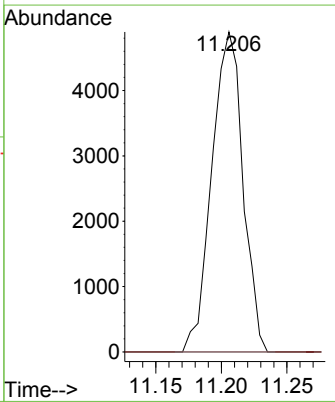
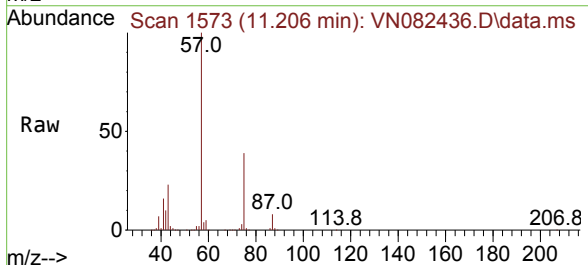
Instrument :
 MSVOA_N
 ClientSampleId :

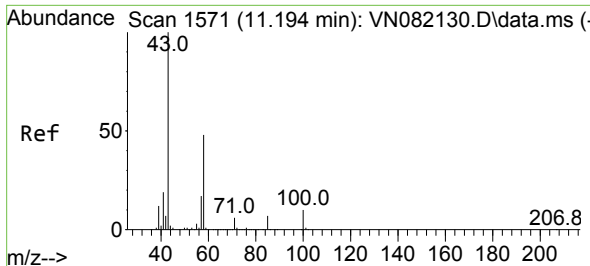
Tgt Ion:	75	Resp:	57292
Ion Ratio	Lower	Upper	
75	100		
77	1.0	25.0	37.4#
39	45.9	34.8	52.2



#57
 1,3-Dichloropropane
 Concen: 2.225 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082436.D
 Acq: 03 Jun 2024 16:00

Tgt Ion:	76	Resp:	8082
Ion Ratio	Lower	Upper	
76	100		
78	0.0	25.8	38.6#

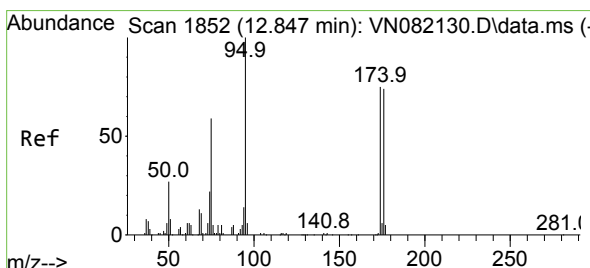
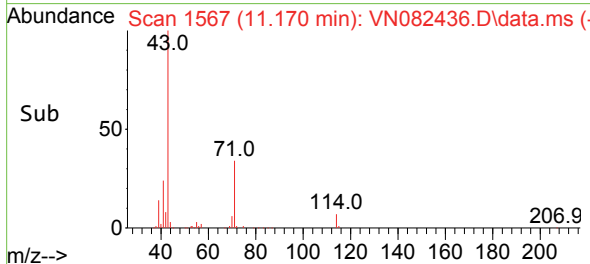
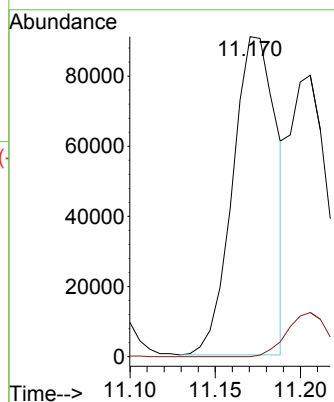
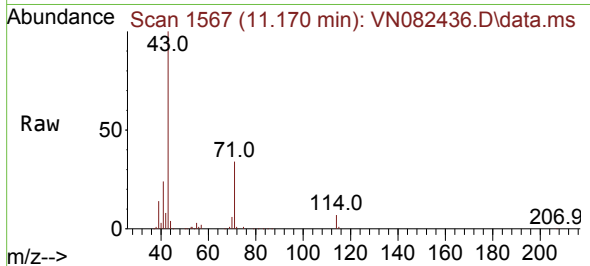




#59
2-Hexanone
Concen: 65.789 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

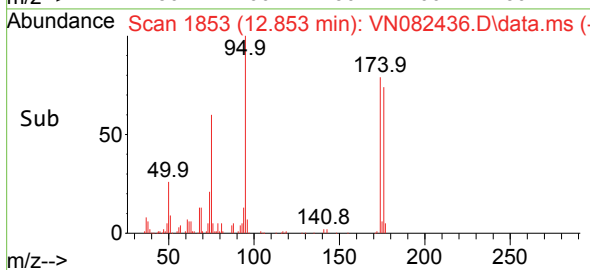
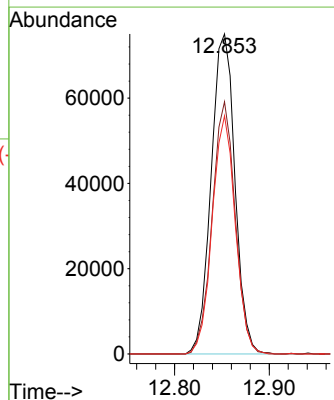
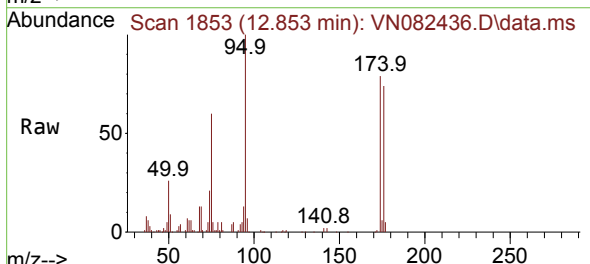
Instrument :
MSVOA_N
ClientSampleId :

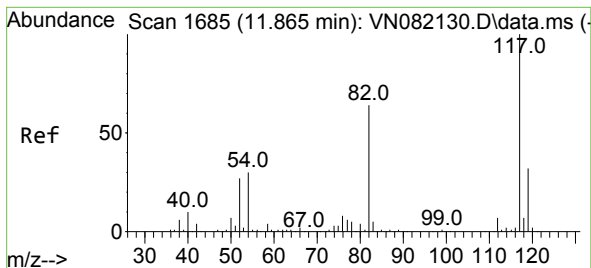
Tgt Ion: 43 Resp: 162130
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.696 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Tgt Ion: 95 Resp: 130876
Ion Ratio Lower Upper
95 100
174 76.4 0.0 160.6
176 72.3 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.006 min

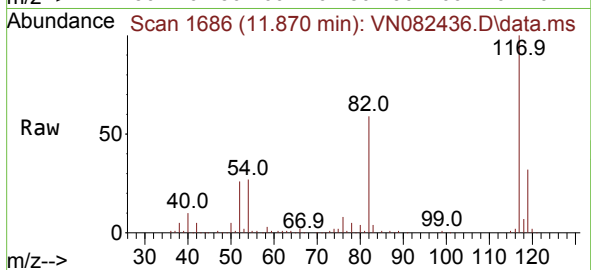
Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Instrument :

MSVOA_N

ClientSampleId :



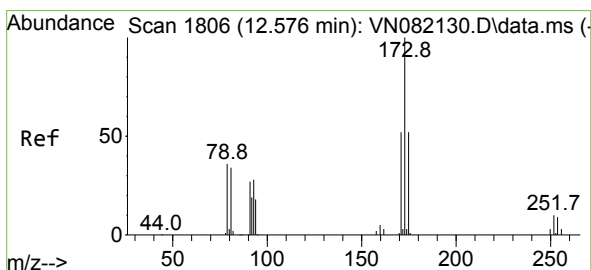
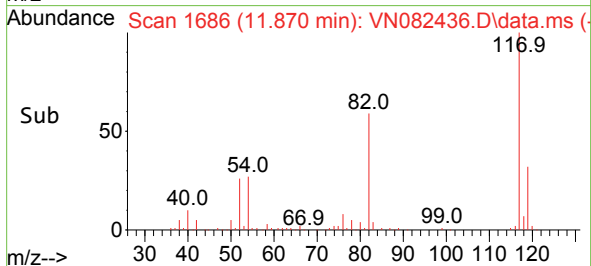
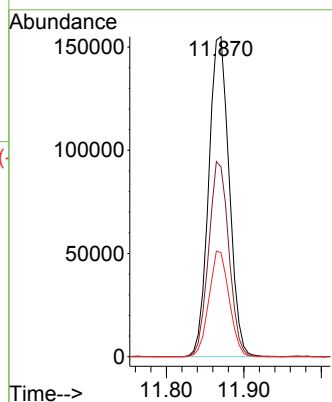
Tgt Ion:117 Resp: 284736

Ion Ratio Lower Upper

117 100

82 59.3 44.6 66.8

119 32.5 25.9 38.9



#71

Bromoform

Concen: 1.150 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

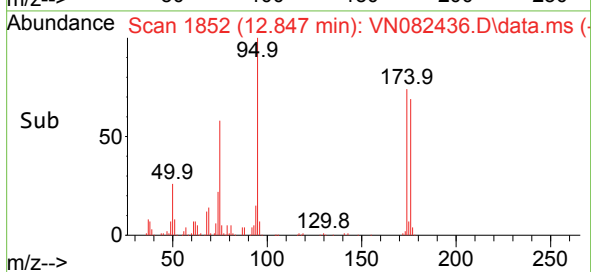
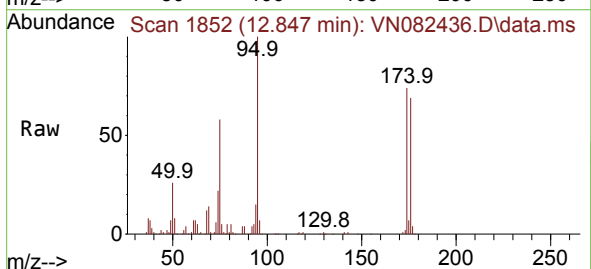
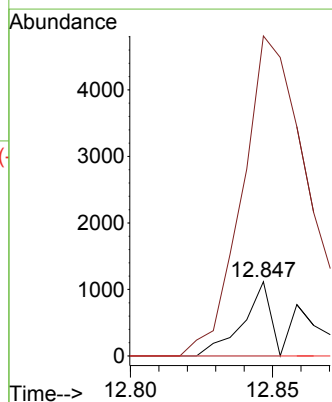
Tgt Ion:173 Resp: 750

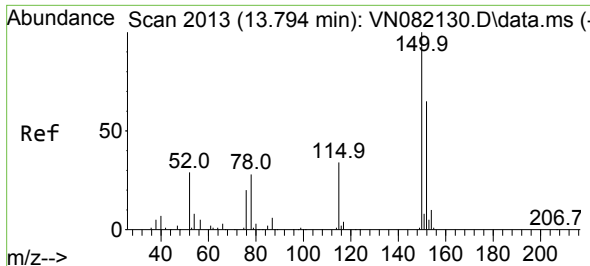
Ion Ratio Lower Upper

173 100

175 670.5 24.6 74.0#

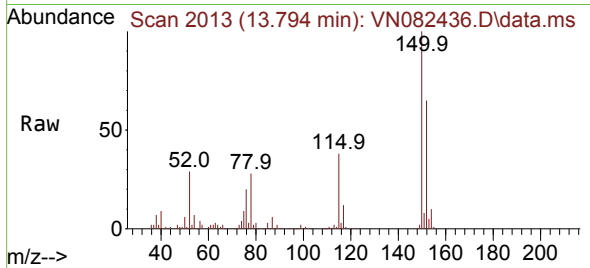
254 0.0 0.0 0.0



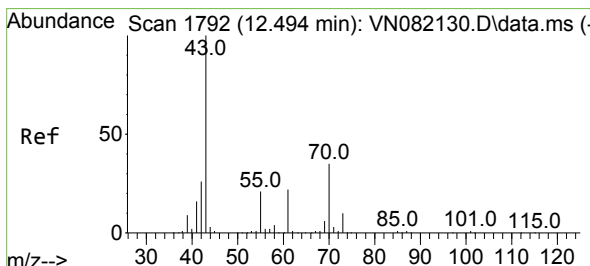
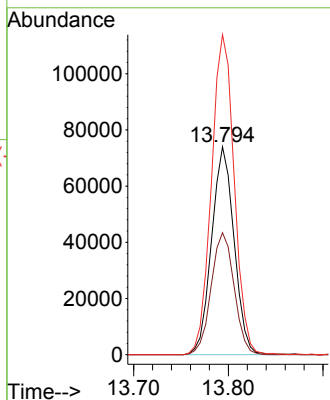
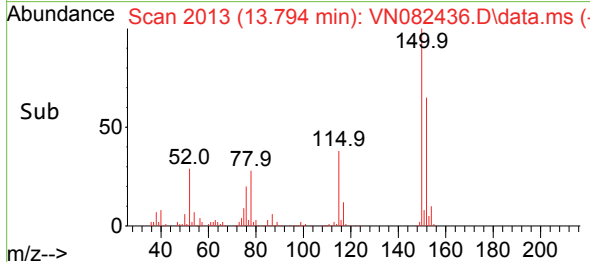


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

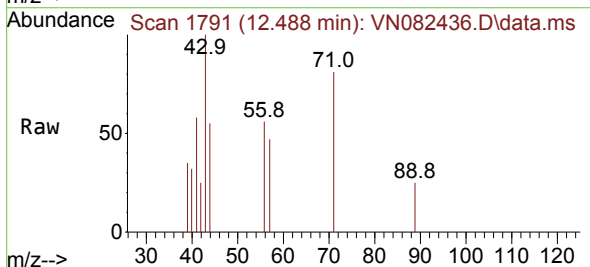
Instrument :
MSVOA_N
ClientSampleId :



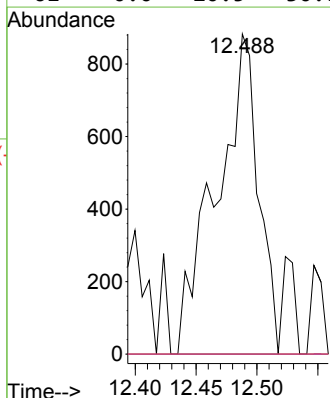
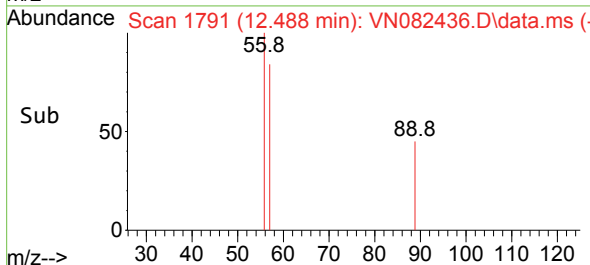
Tgt Ion:152 Resp: 121898
Ion Ratio Lower Upper
152 100
115 59.9 30.4 91.3
150 156.0 0.0 353.2

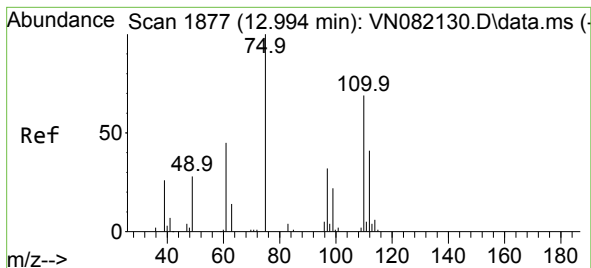


#74
N-ethyl acetate
Concen: 0.397 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00



Tgt Ion: 43 Resp: 2116
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: 29.797 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

Instrument :

MSVOA_N

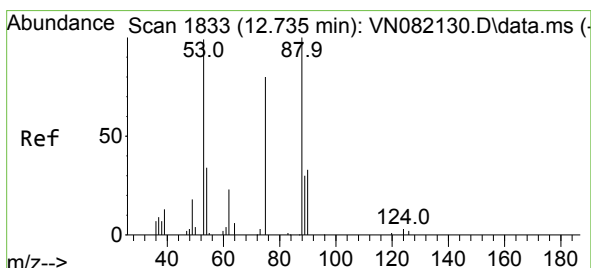
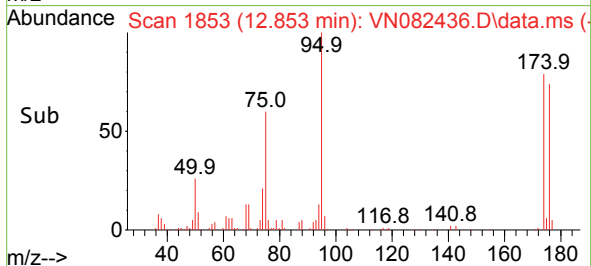
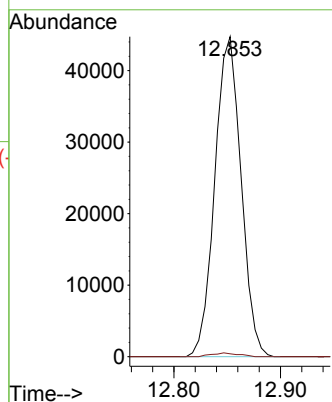
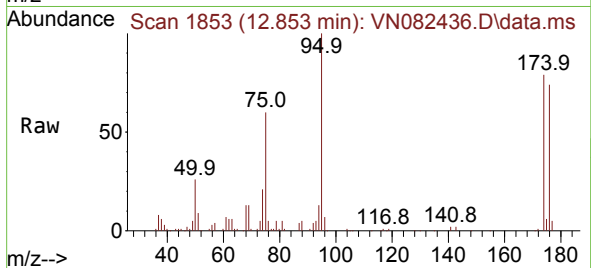
ClientSampleId :

Tgt Ion: 75 Resp: 76450

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.695 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.117 min

Lab File: VN082436.D

Acq: 03 Jun 2024 16:00

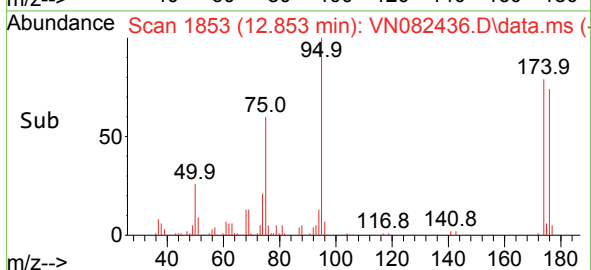
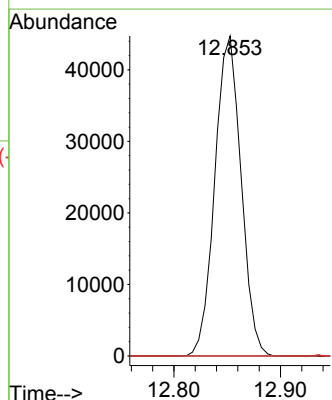
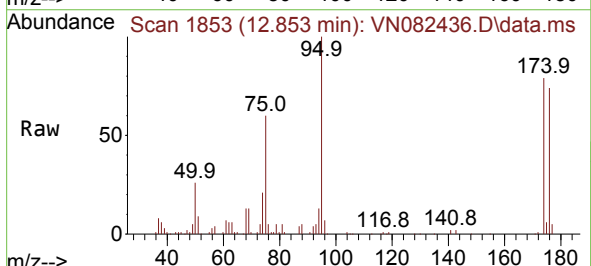
Tgt Ion: 75 Resp: 76450

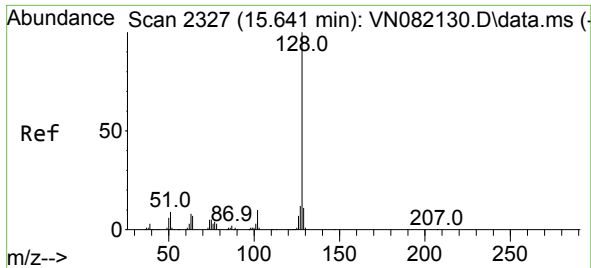
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

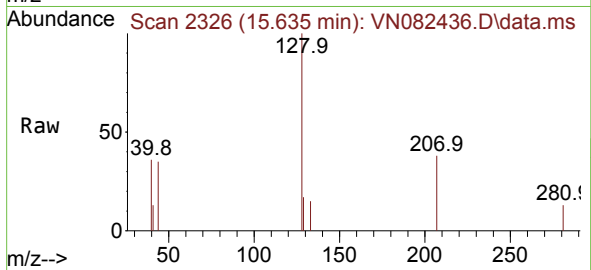
89 0.0 39.1 58.7#





#95
Naphthalene
Concen: 0.358 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN082436.D
Acq: 03 Jun 2024 16:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2491
Ion Ratio Lower Upper
128 100
127 5.3 10.1 15.1#
129 9.4 8.9 13.3

