

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
 Data File : VN082443.D
 Acq On : 03 Jun 2024 18:51
 Operator : JC\MD
 Sample : P2668-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 04 00:34:13 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)

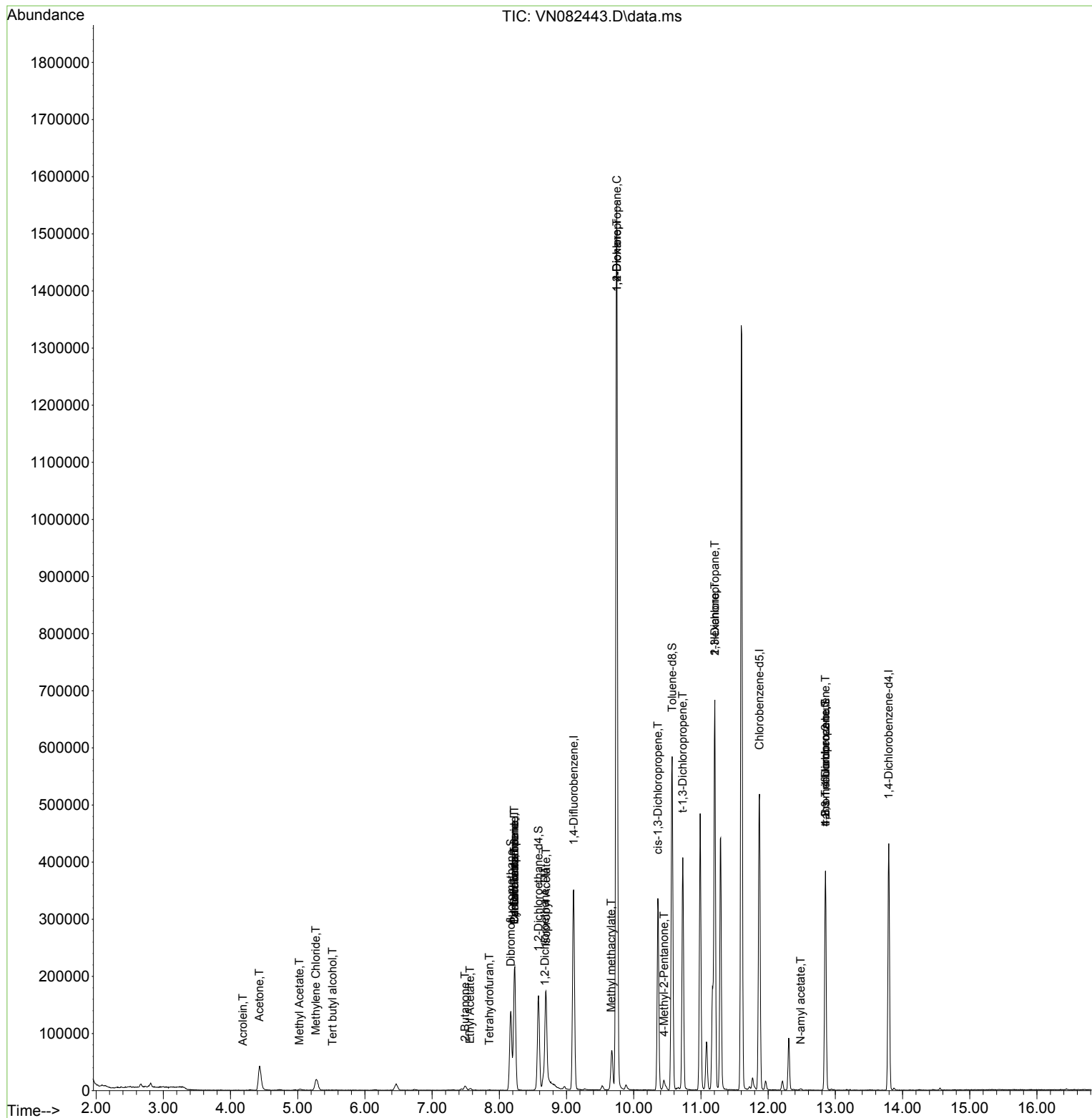
Internal Standards						
1) Pentafluorobenzene	8.224	168	149602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	278230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	273666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	133385	56.465	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.940%	
35) Dibromofluoromethane	8.171	113	94584	55.262	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.520%	
50) Toluene-d8	10.571	98	371710	56.647	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 113.300%#	
62) 4-Bromofluorobenzene	12.853	95	122037	52.106	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 104.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.518	59	141	0.372	ug/l #	71
13) Acrolein	4.183	56	238	0.847	ug/l #	15
16) Acetone	4.430	43	81657	84.266	ug/l	93
18) Methyl Acetate	5.024	43	1572	0.651	ug/l #	82
20) Methylene Chloride	5.271	84	14383	7.356	ug/l #	73
25) 2-Butanone	7.489	43	12970	8.828	ug/l #	73
29) Tetrahydrofuran	7.853	42	688	0.729	ug/l #	41
31) Cyclohexane	8.224	56	4304	1.141	ug/l #	50
36) 1,1-Dichloropropene	8.224	75	14121	4.919	ug/l #	48
37) Ethyl Acetate	7.565	43	5086	1.583	ug/l #	83
38) Carbon Tetrachloride	8.224	117	16581	5.698	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	919	0.279	ug/l #	73
43) Isopropyl Acetate	8.694	43	252778	44.407	ug/l #	73
45) 1,2-Dichloropropane	9.747	63	1510	0.684	ug/l #	45
48) Methyl methacrylate	9.665	41	5231	1.929	ug/l #	38
49) 1,4-Dioxane	9.747	88	55	1.447	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	18236	5.639	ug/l #	70
53) t-1,3-Dichloropropene	10.730	75	861	0.272	ug/l #	72
54) cis-1,3-Dichloropropene	10.359	75	50551	15.085	ug/l #	76
57) 1,3-Dichloropropane	11.206	76	6017	1.724	ug/l #	42
59) 2-Hexanone	11.206	43	86075	36.348	ug/l #	52
74) N-amyl acetate	12.482	43	1678	0.356	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	70981	31.282	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	70981	73.168	ug/l #	12

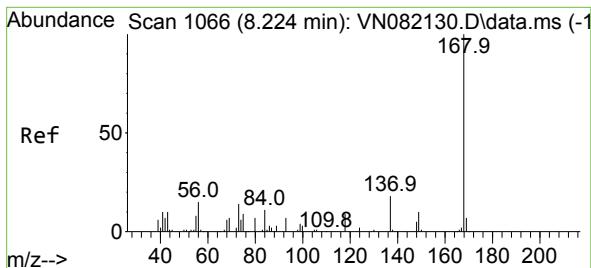
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN082443.D

Acq: 03 Jun 2024 18:51

Instrument :

MSVOA_N

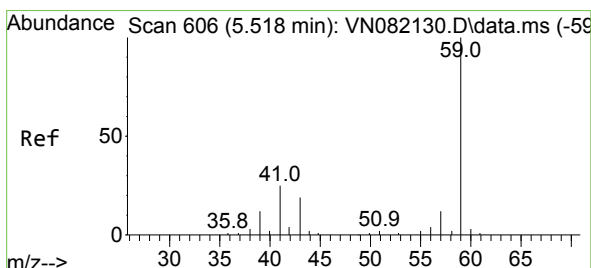
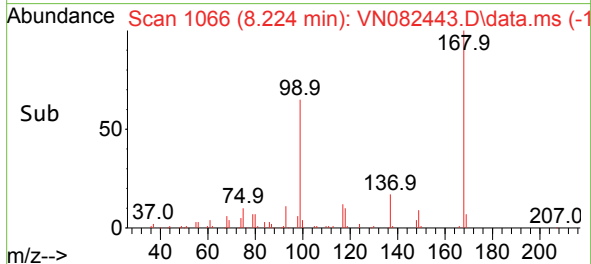
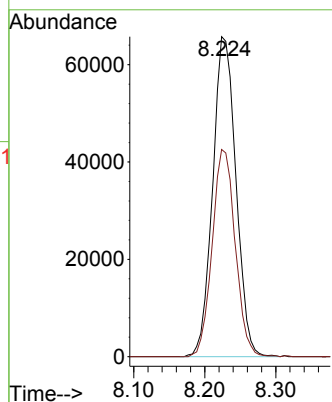
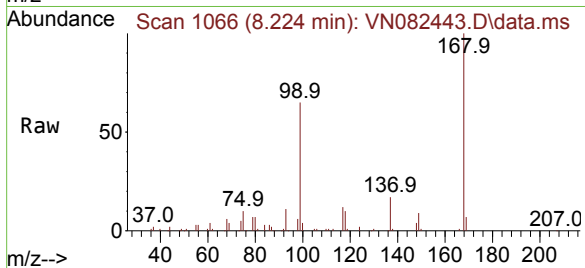
ClientSampleId :

Tgt Ion:168 Resp: 149602

Ion Ratio Lower Upper

168 100

99 64.7 48.2 72.4



#11

Tert butyl alcohol

Concen: 0.372 ug/l

RT: 5.518 min Scan# 606

Delta R.T. 0.000 min

Lab File: VN082443.D

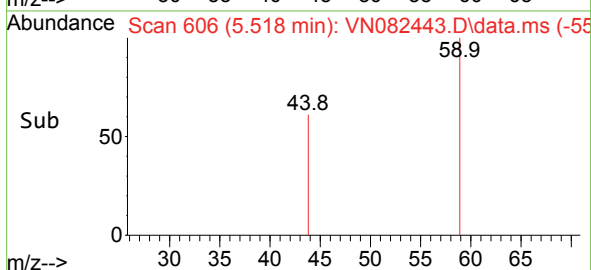
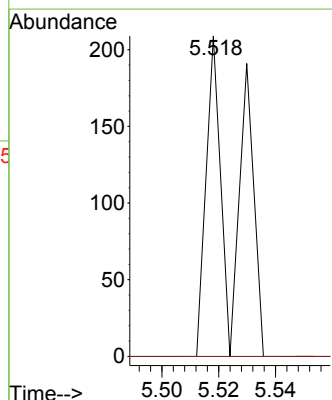
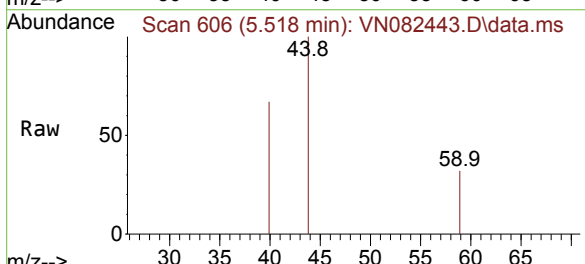
Acq: 03 Jun 2024 18:51

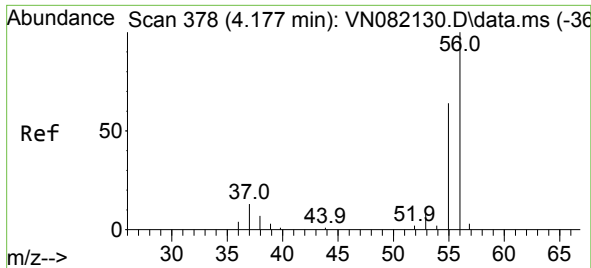
Tgt Ion: 59 Resp: 141

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#

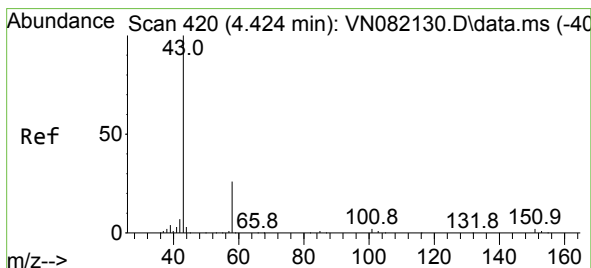
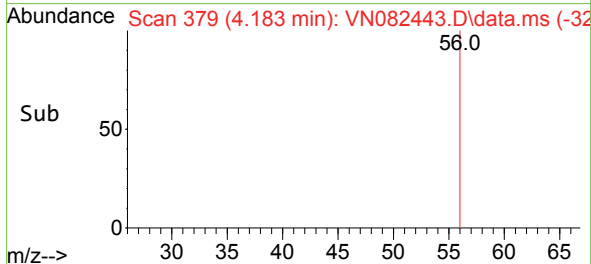
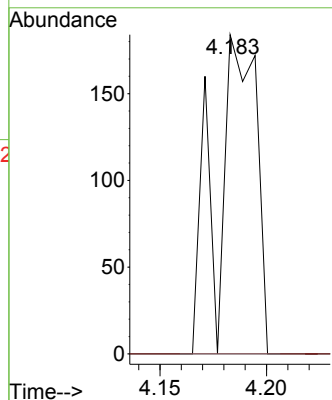
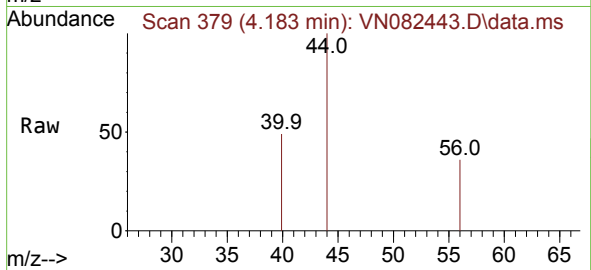




#13
Acrolein
Concen: 0.847 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

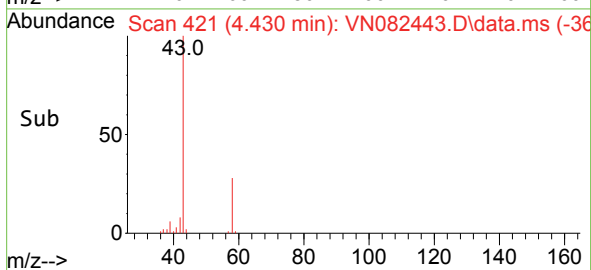
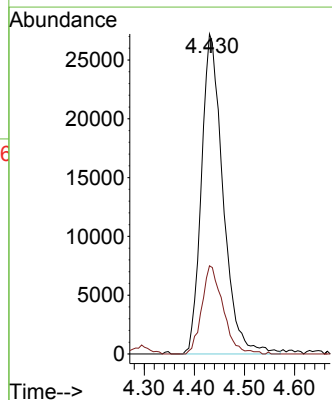
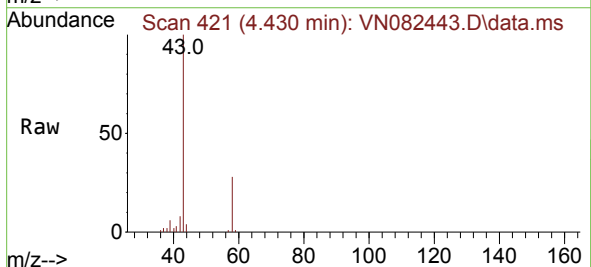
Instrument :
MSVOA_N
ClientSampleId :

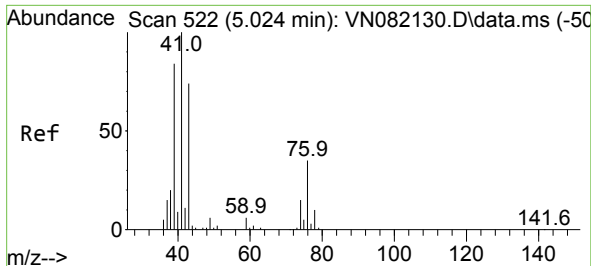
Tgt Ion: 56 Resp: 238
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 84.266 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Tgt Ion: 43 Resp: 81657
Ion Ratio Lower Upper
43 100
58 27.5 25.2 37.8

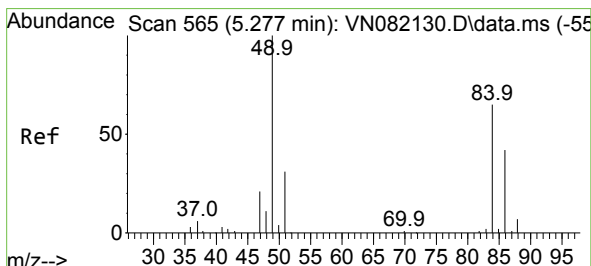
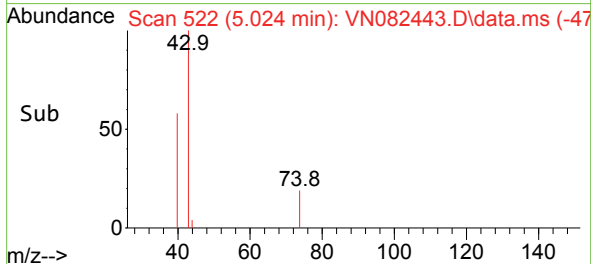
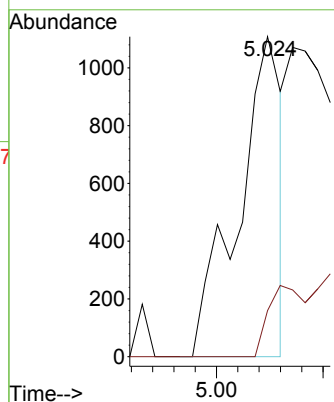
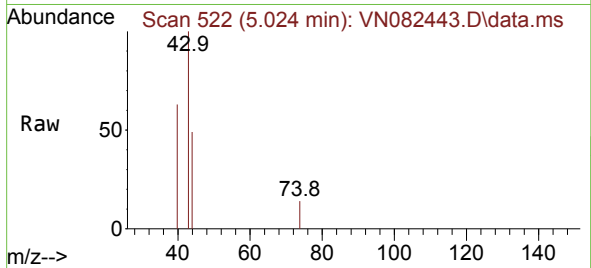




#18
Methyl Acetate
Concen: 0.651 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

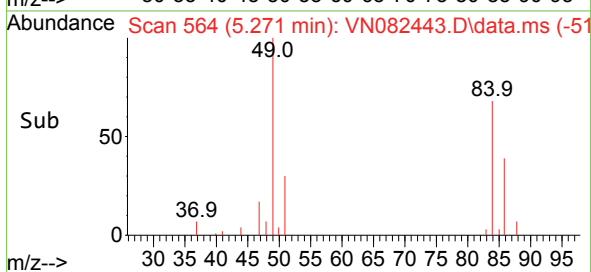
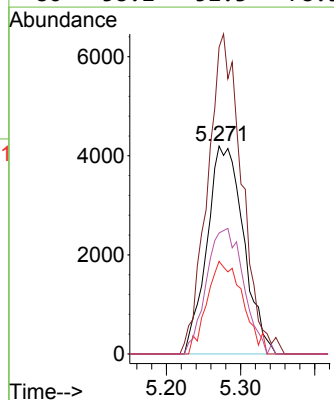
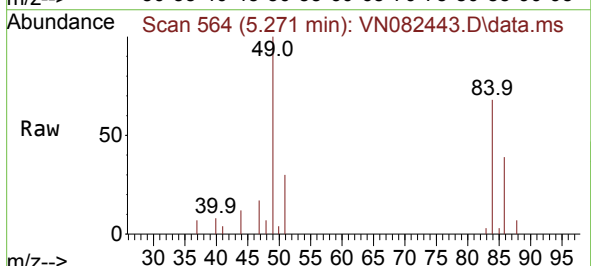
Instrument :
MSVOA_N
ClientSampleId :

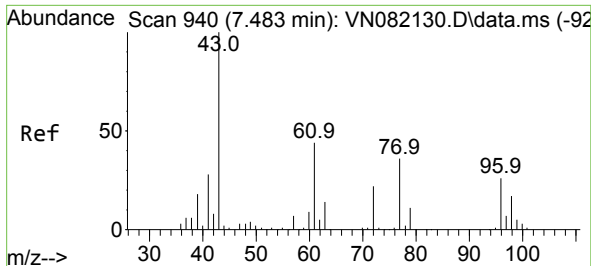
Tgt Ion: 43 Resp: 1572
Ion Ratio Lower Upper
43 100
74 18.5 22.2 33.2#



#20
Methylene Chloride
Concen: 7.356 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

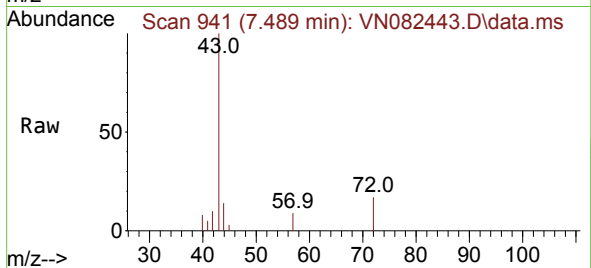
Tgt Ion: 84 Resp: 14383
Ion Ratio Lower Upper
84 100
49 147.6 84.9 127.3#
51 44.6 27.0 40.6#
86 58.2 52.3 78.5



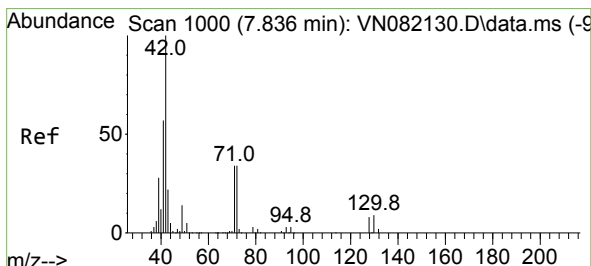
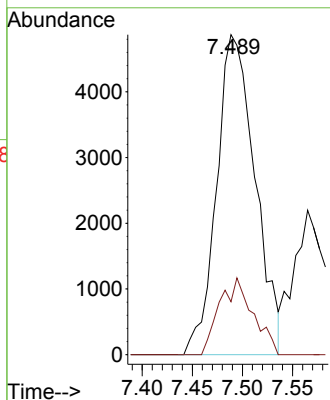
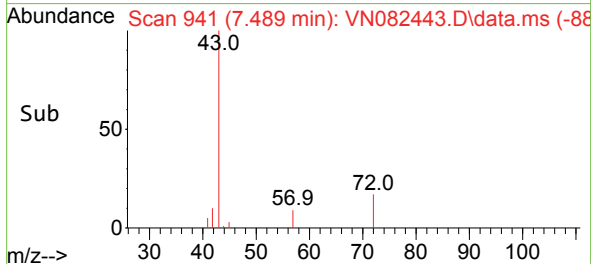


#25
2-Butanone
Concen: 8.828 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

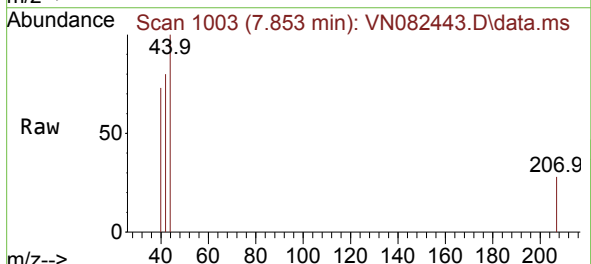
Instrument :
MSVOA_N
ClientSampleId :



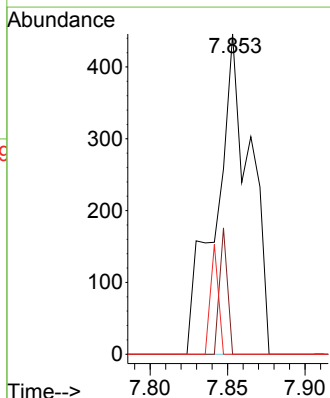
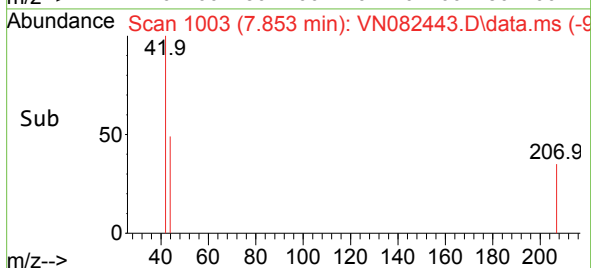
Tgt Ion: 43 Resp: 12970
Ion Ratio Lower Upper
43 100
72 16.6 25.3 37.9#

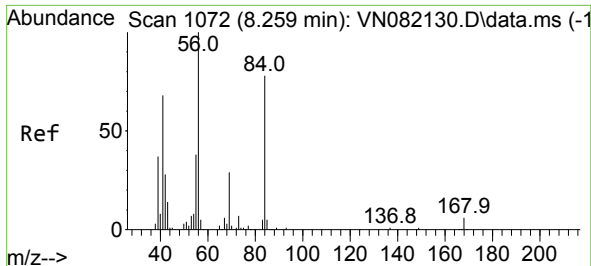


#29
Tetrahydrofuran
Concen: 0.729 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51



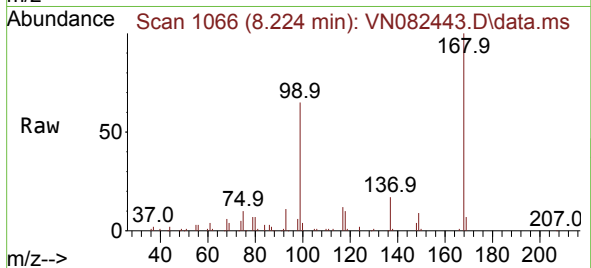
Tgt Ion: 42 Resp: 688
Ion Ratio Lower Upper
42 100
72 9.0 39.3 58.9#
71 7.8 37.4 56.0#



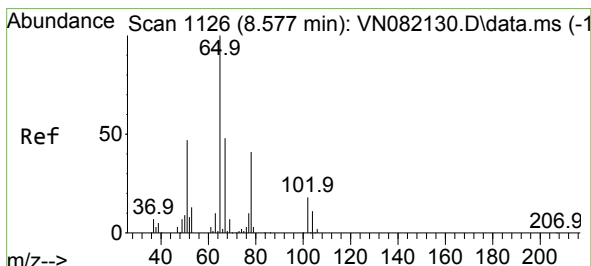
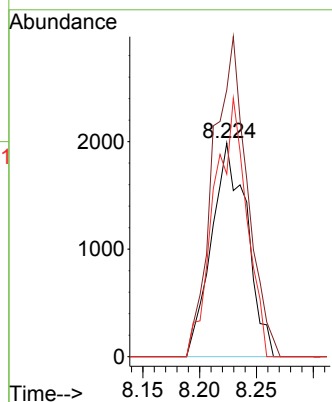
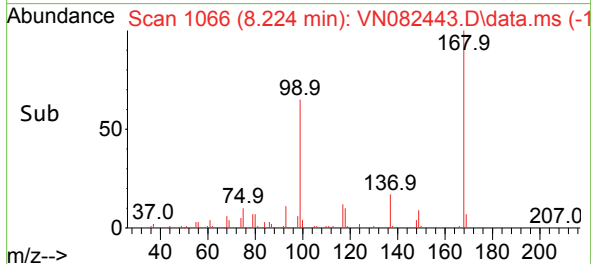


#31
Cyclohexane
Concen: 1.141 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Instrument :
MSVOA_N
ClientSampleId :

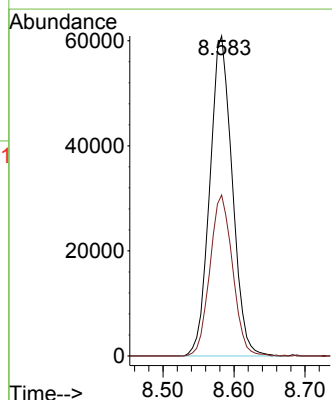
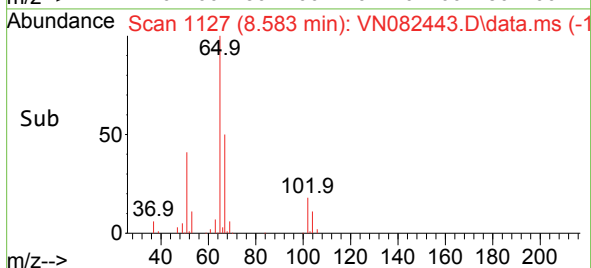
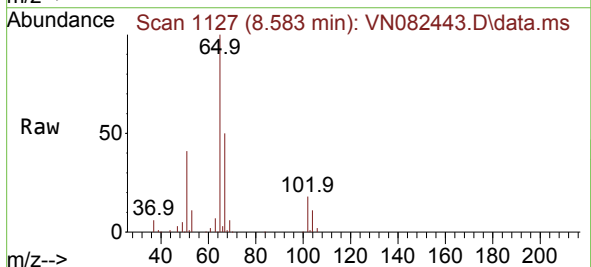


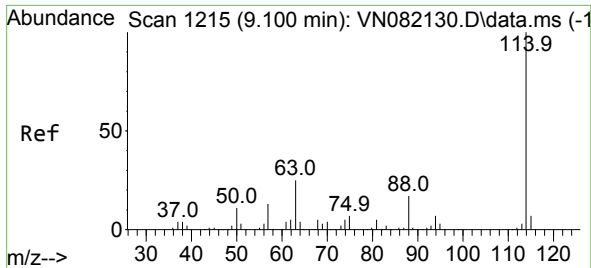
Tgt Ion: 56 Resp: 4304
Ion Ratio Lower Upper
56 100
69 124.9 24.4 36.6#
84 85.5 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 56.465 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Tgt Ion: 65 Resp: 133385
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

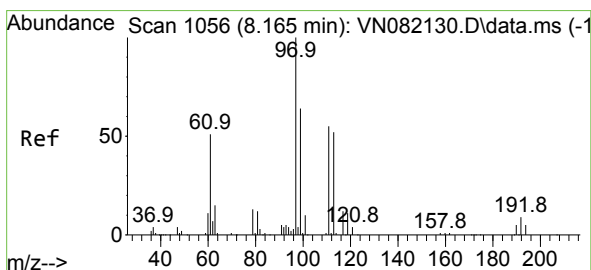
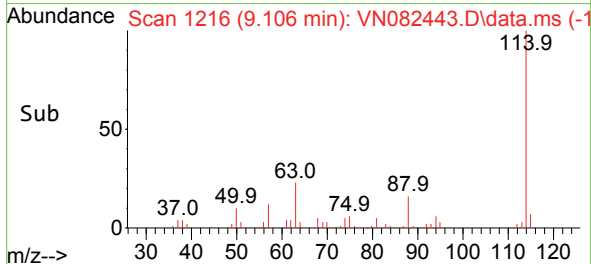
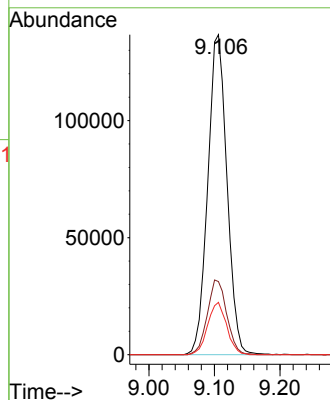
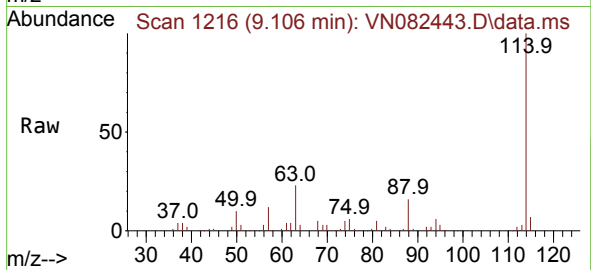




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

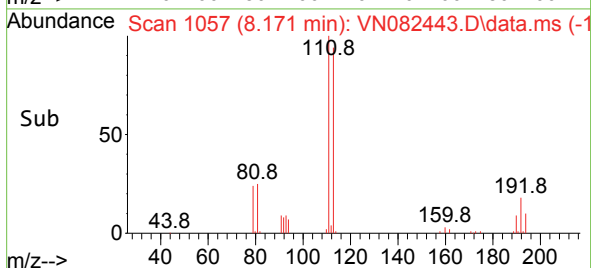
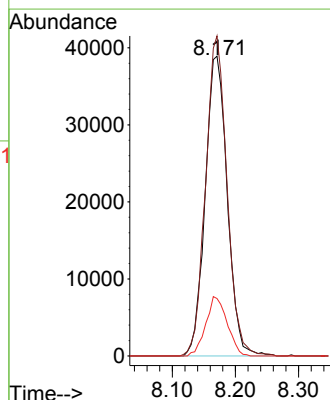
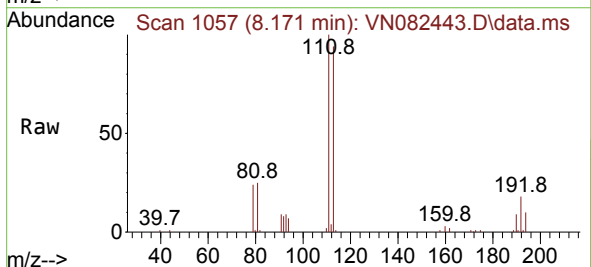
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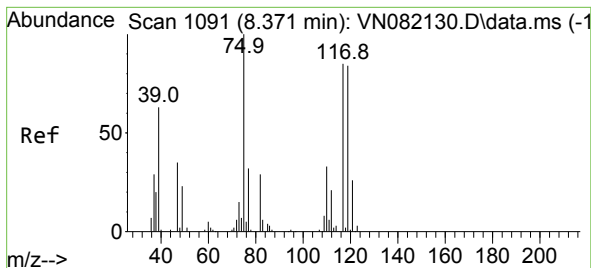
Tgt Ion:114 Resp: 278230
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.0
88 16.4 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.262 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Tgt Ion:113 Resp: 94584
Ion Ratio Lower Upper
113 100
111 103.7 83.4 125.2
192 19.1 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.919 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.147 min

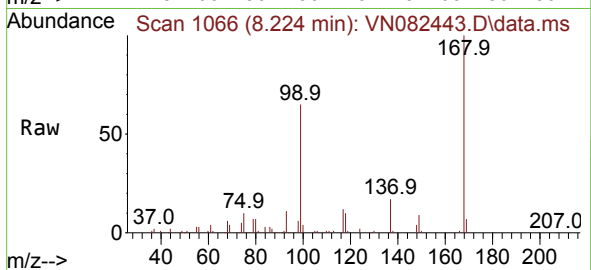
Lab File: VN082443.D

Acq: 03 Jun 2024 18:51

Instrument :

MSVOA_N

ClientSampleId :



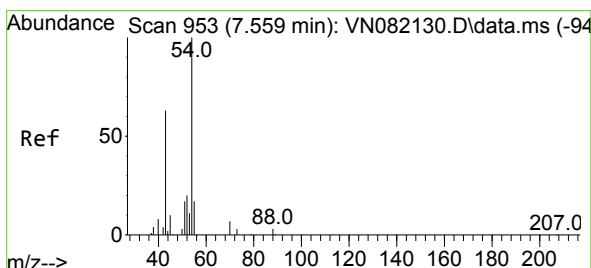
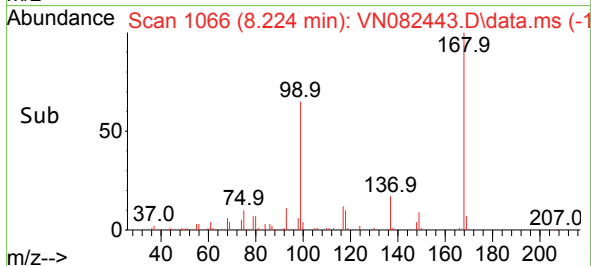
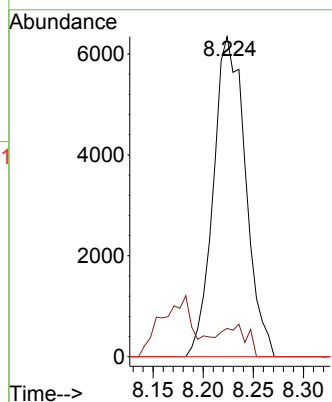
Tgt Ion: 75 Resp: 14121

Ion Ratio Lower Upper

75 100

110 7.6 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.583 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN082443.D

Acq: 03 Jun 2024 18:51

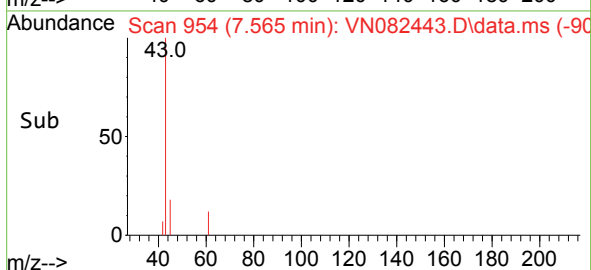
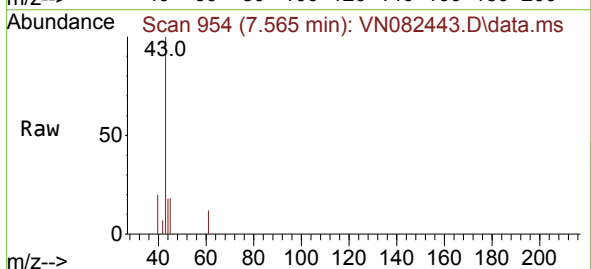
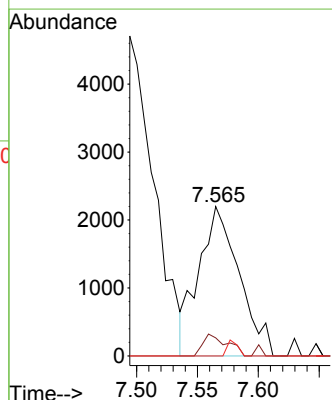
Tgt Ion: 43 Resp: 5086

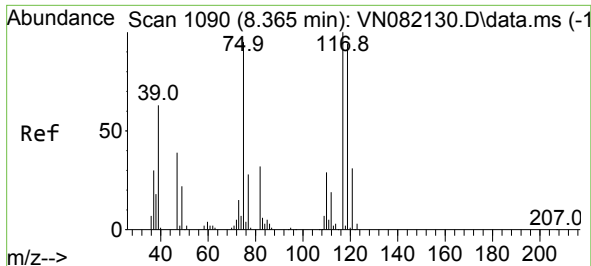
Ion Ratio Lower Upper

43 100

61 8.7 11.3 16.9#

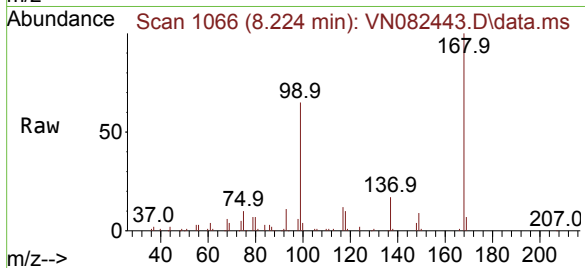
70 2.8 8.7 13.1#



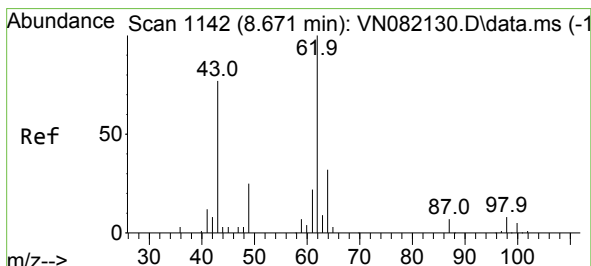
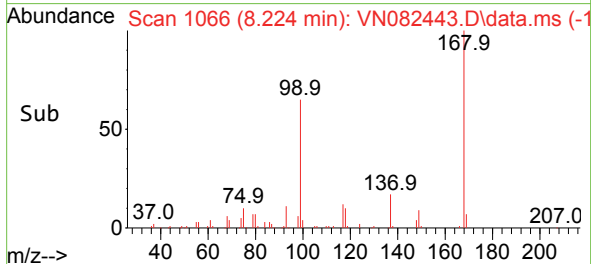
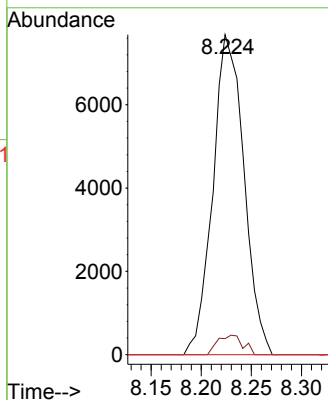


#38
Carbon Tetrachloride
Concen: 5.698 ug/l
RT: 8.224 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Instrument :
MSVOA_N
ClientSampleId :

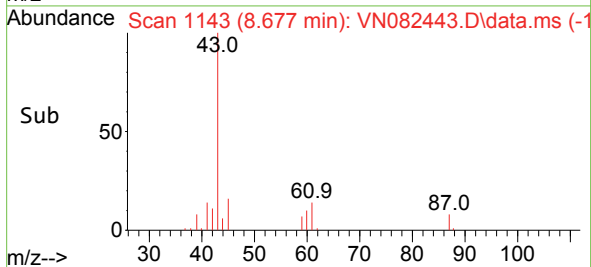
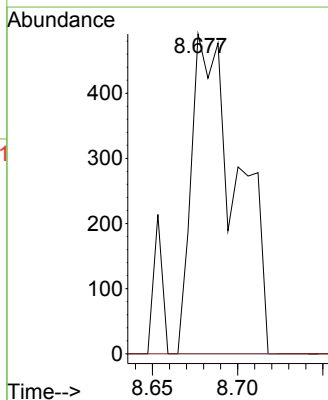
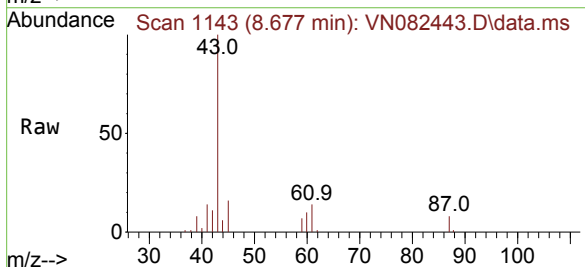


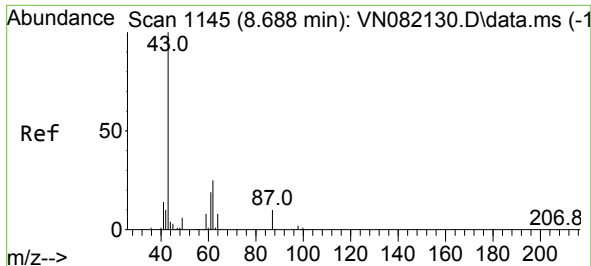
Tgt Ion:117 Resp: 16581
Ion Ratio Lower Upper
117 100
119 5.0 76.5 114.7#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.279 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

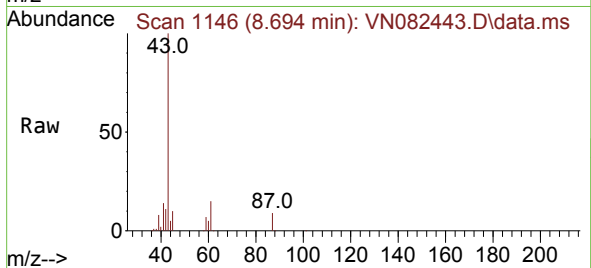
Tgt Ion: 62 Resp: 919
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



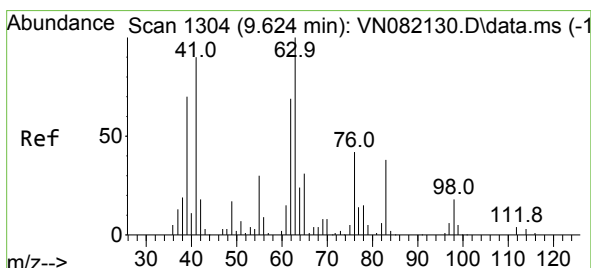
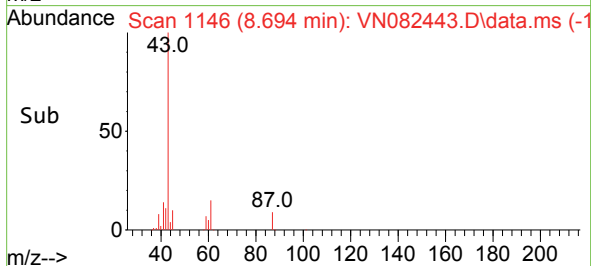
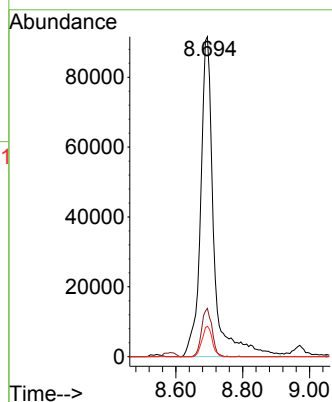


#43
Isopropyl Acetate
Concen: 44.407 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Instrument :
MSVOA_N
ClientSampleId :

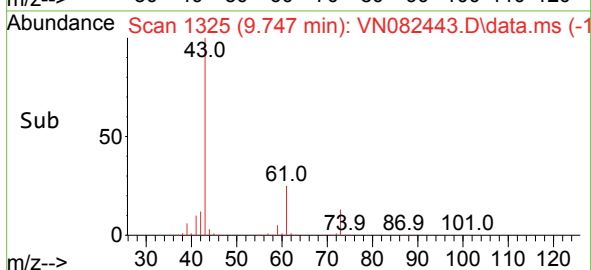
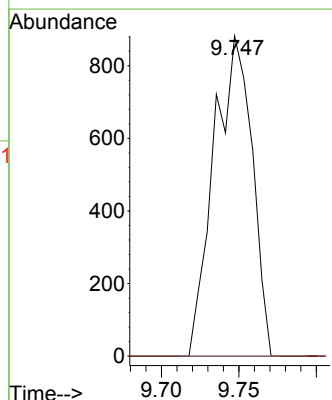
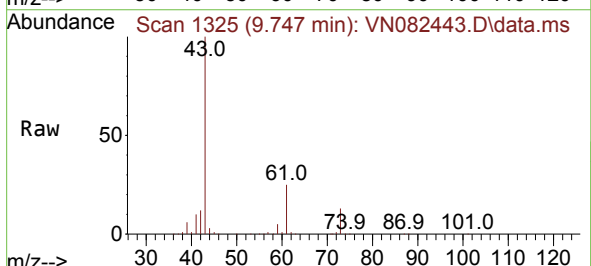


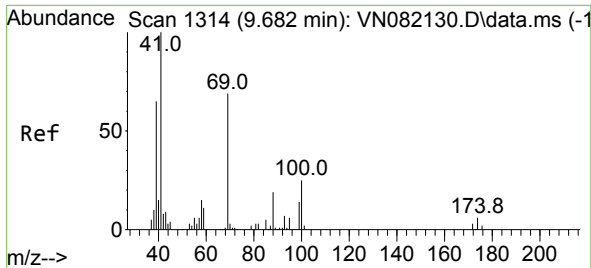
Tgt Ion: 43 Resp: 252778
Ion Ratio Lower Upper
43 100
61 11.9 22.8 34.2#
87 7.3 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.684 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

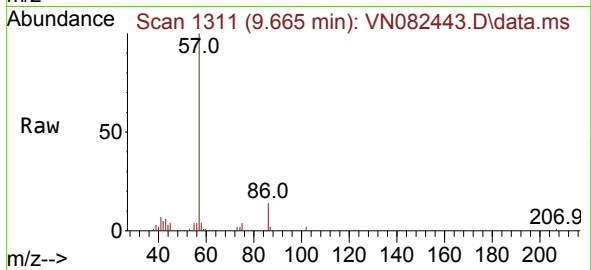
Tgt Ion: 63 Resp: 1510
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#



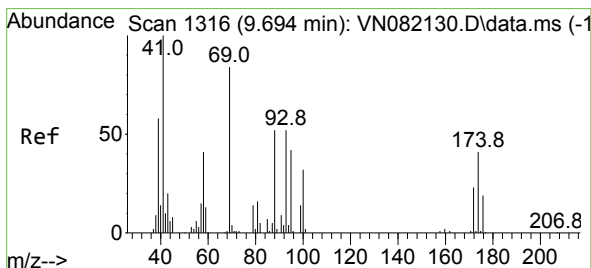
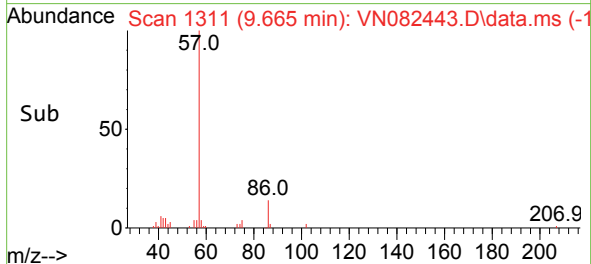
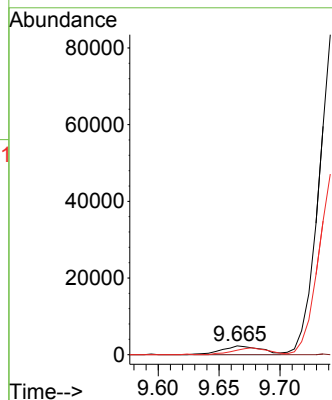


#48
Methyl methacrylate
Concen: 1.929 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Instrument :
MSVOA_N
ClientSampleId :

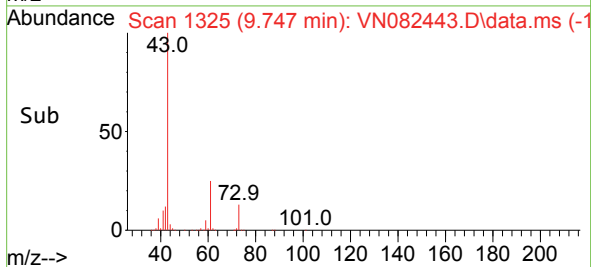
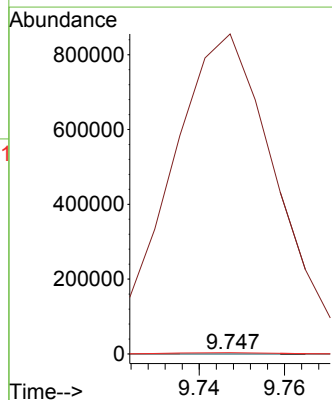
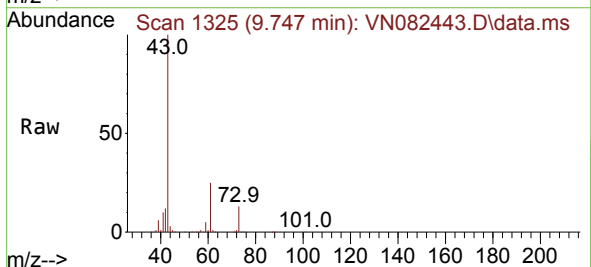


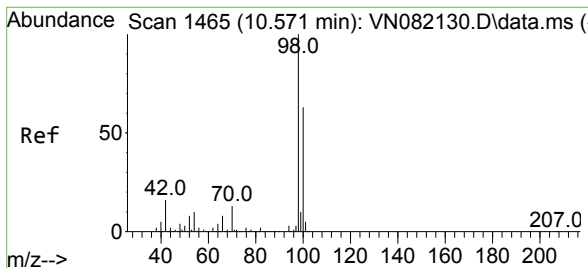
Tgt Ion: 41 Resp: 5231
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 68.2 50.9 76.3



#49
1,4-Dioxane
Concen: 1.447 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 2745592.7 19.0 28.6#
58 11016.4 50.6 76.0#

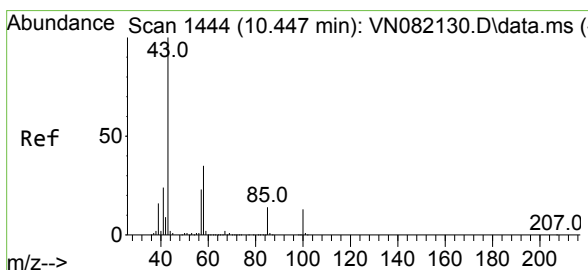
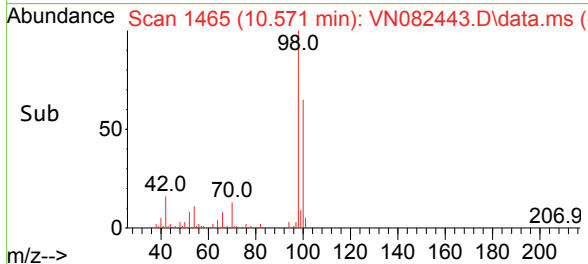
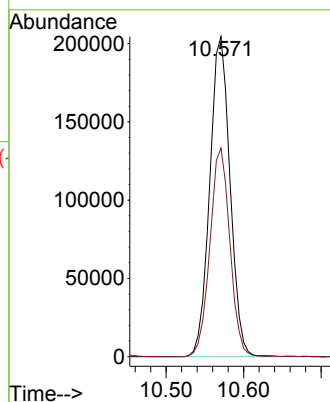
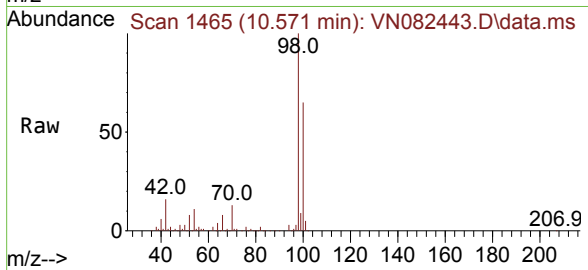




#50
Toluene-d8
Concen: 56.647 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

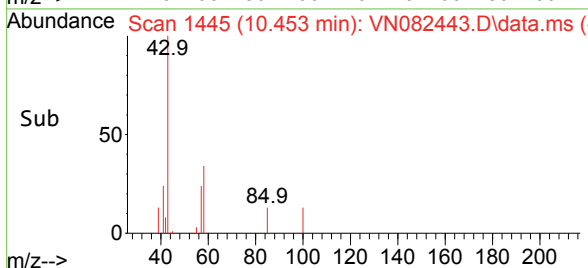
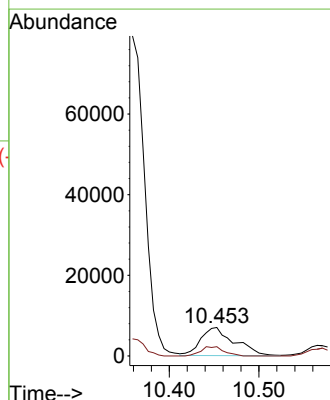
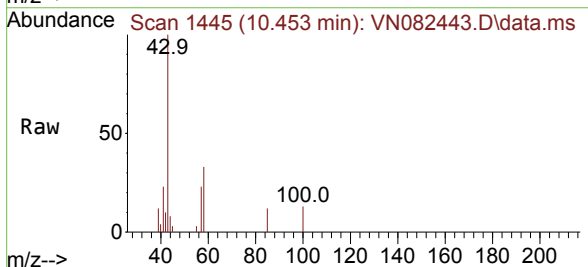
Instrument :
MSVOA_N
ClientSampleId :

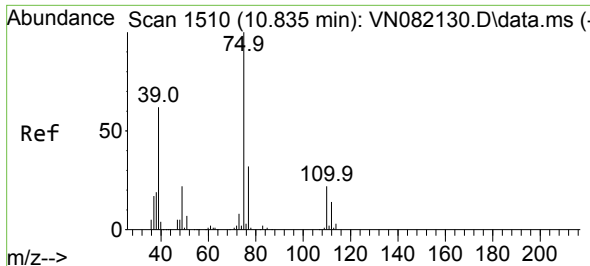
Tgt Ion: 98 Resp: 371710
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.639 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

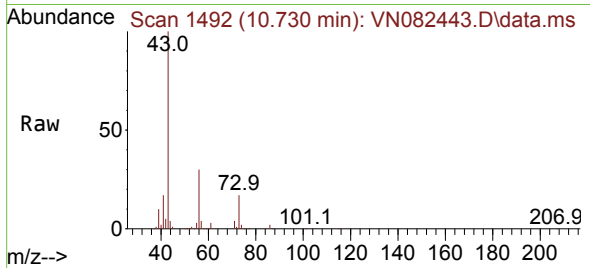
Tgt Ion: 43 Resp: 18236
Ion Ratio Lower Upper
43 100
58 22.6 33.2 49.8#



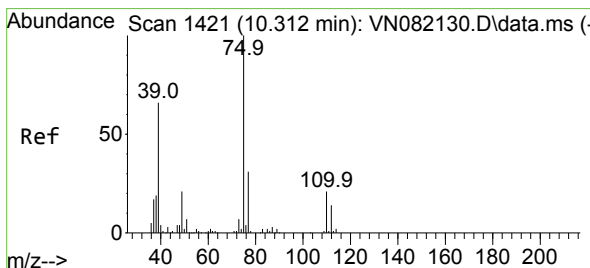
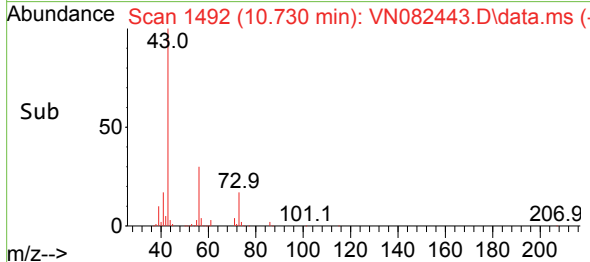
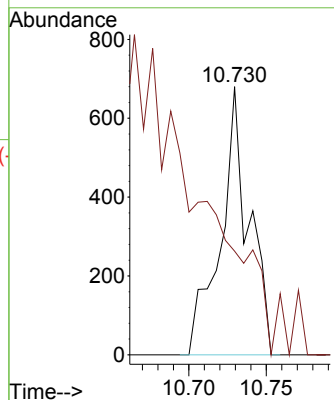


#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 10.730 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082443.D
 Acq: 03 Jun 2024 18:51

Instrument :
 MSVOA_N
 ClientSampleId :

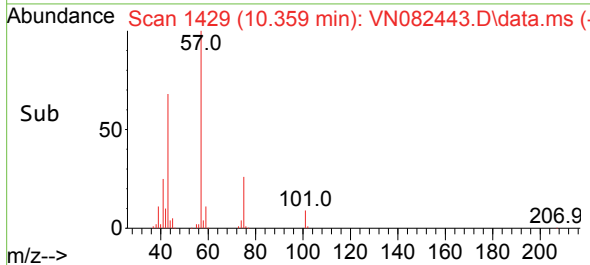
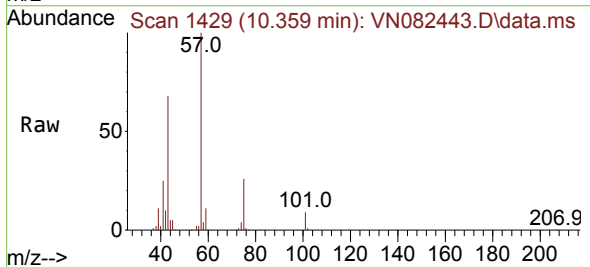
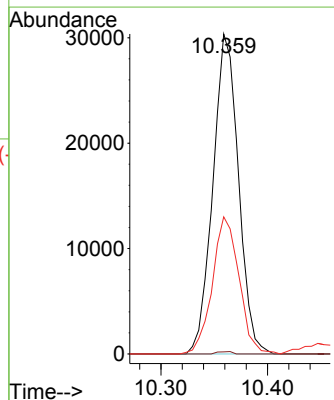


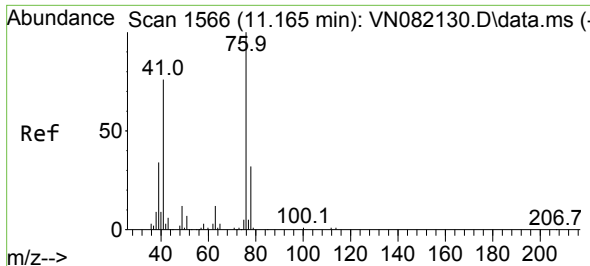
Tgt Ion: 75 Resp: 861
 Ion Ratio Lower Upper
 75 100
 77 15.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 15.085 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082443.D
 Acq: 03 Jun 2024 18:51

Tgt Ion: 75 Resp: 50551
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 42.9 34.8 52.2





#57

1,3-Dichloropropane

Concen: 1.724 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

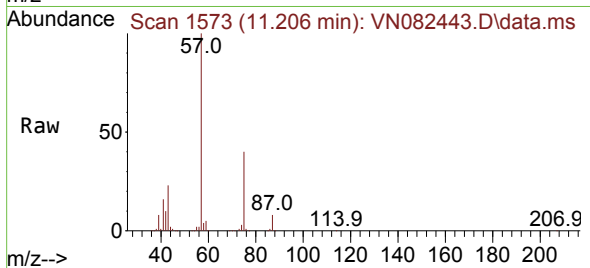
Lab File: VN082443.D

Acq: 03 Jun 2024 18:51

Instrument :

MSVOA_N

ClientSampleId :

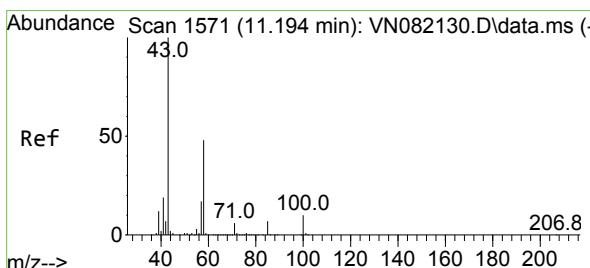
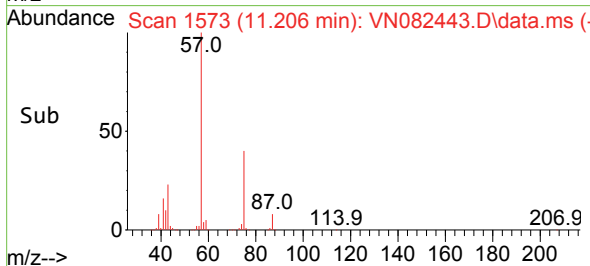
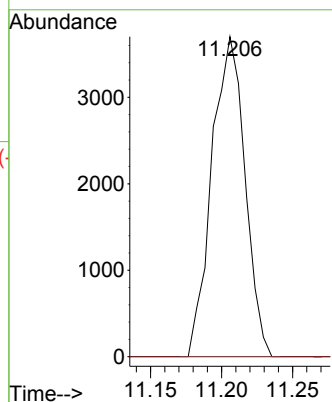


Tgt Ion: 76 Resp: 6017

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 36.348 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082443.D

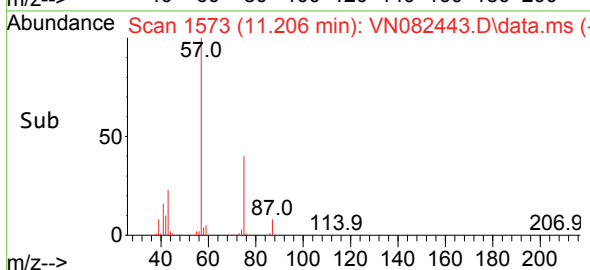
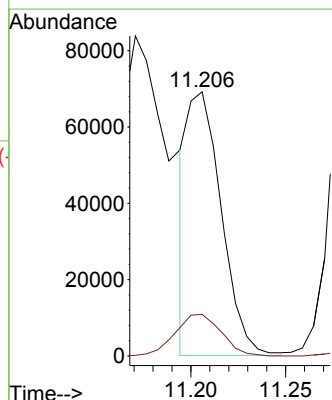
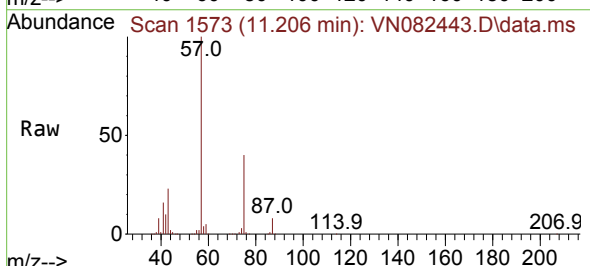
Acq: 03 Jun 2024 18:51

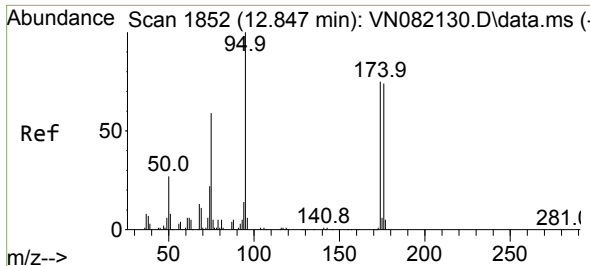
Tgt Ion: 43 Resp: 86075

Ion Ratio Lower Upper

43 100

58 21.6 28.3 84.9#

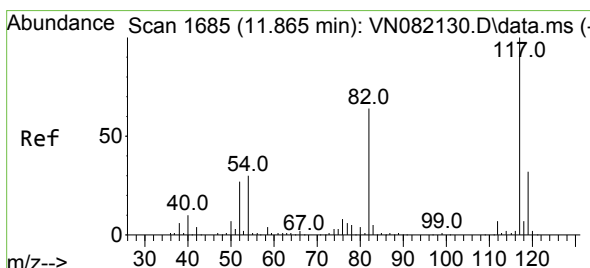
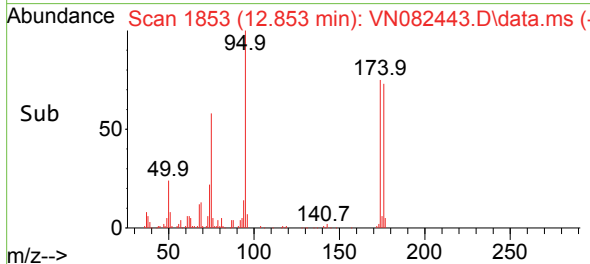
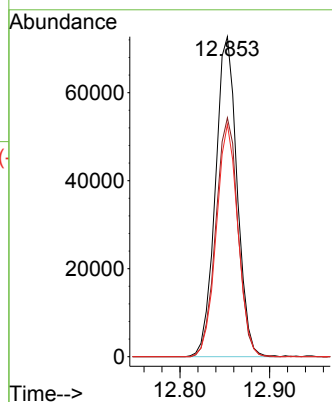
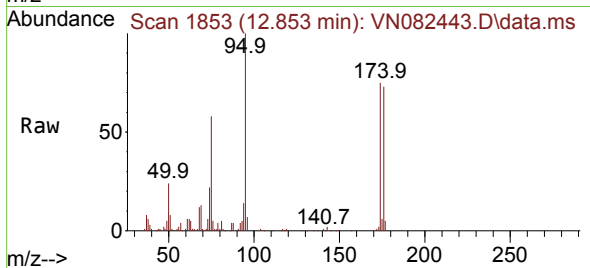




#62
4-Bromofluorobenzene
Concen: 52.106 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

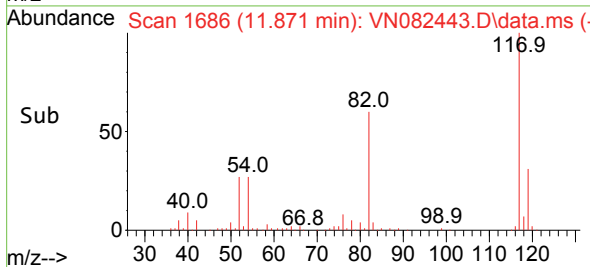
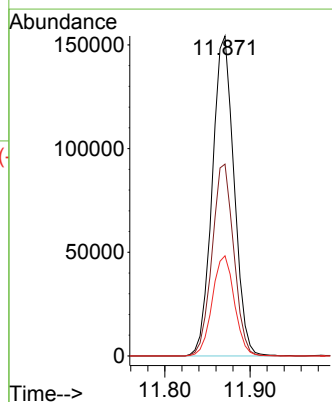
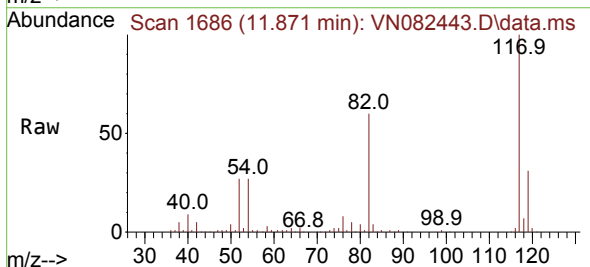
Instrument :
MSVOA_N
ClientSampleId :

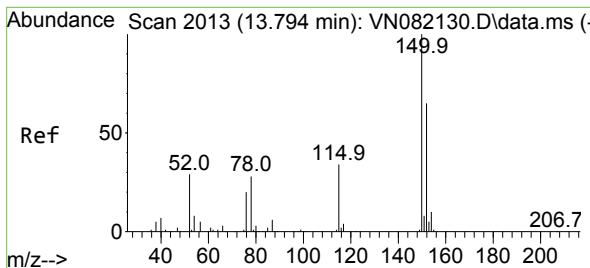
Tgt Ion: 95 Resp: 122037
Ion Ratio Lower Upper
95 100
174 76.1 0.0 160.6
176 72.3 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

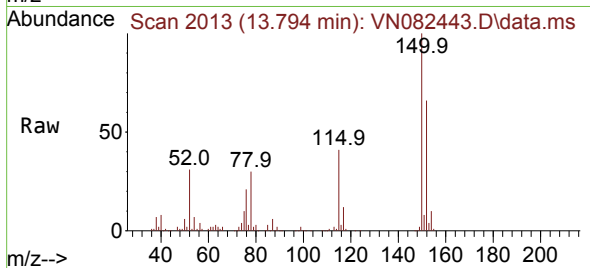
Tgt Ion: 117 Resp: 273666
Ion Ratio Lower Upper
117 100
82 59.9 44.6 66.8
119 31.3 25.9 38.9



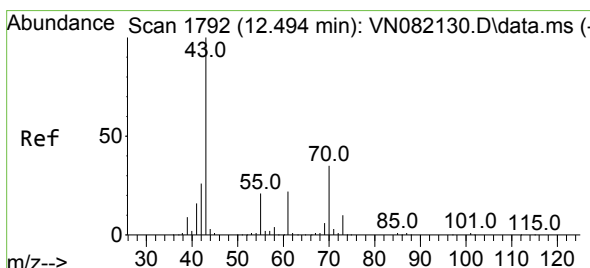
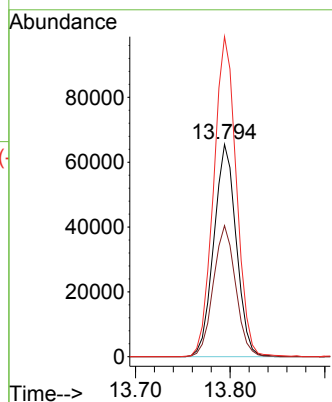
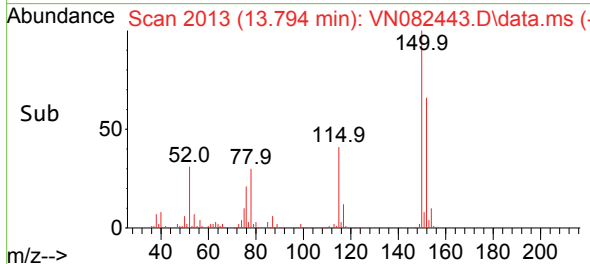


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082443.D
 Acq: 03 Jun 2024 18:51

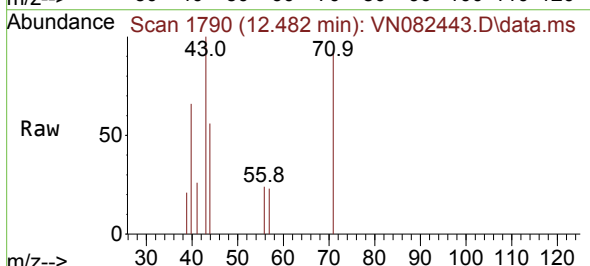
Instrument :
 MSVOA_N
 ClientSampleId :



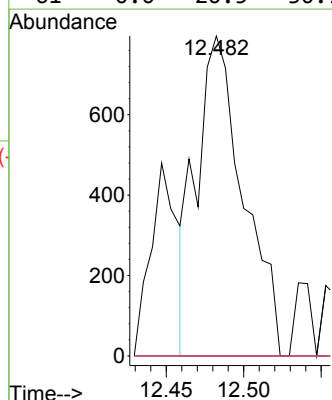
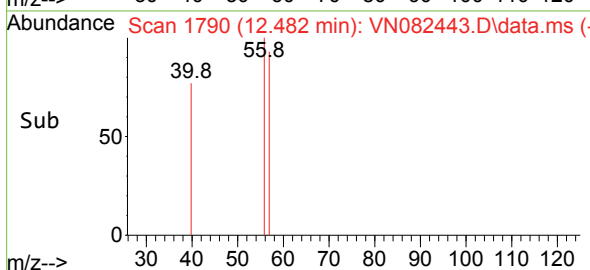
Tgt Ion:152 Resp: 107805
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.4 91.3
 150 153.2 0.0 353.2

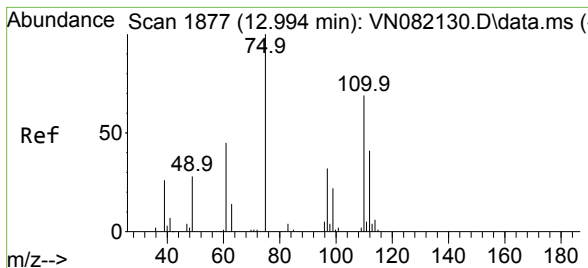


#74
 N-ethyl acetate
 Concen: 0.356 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: VN082443.D
 Acq: 03 Jun 2024 18:51



Tgt Ion: 43 Resp: 1678
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 0.0 21.3 31.9#
 61 0.0 20.5 30.7#

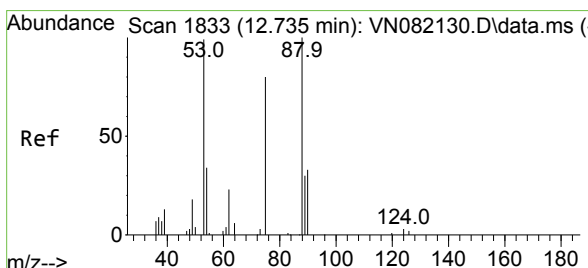
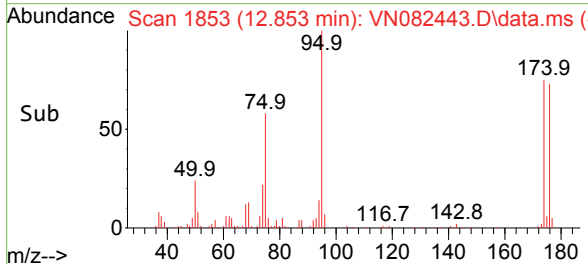
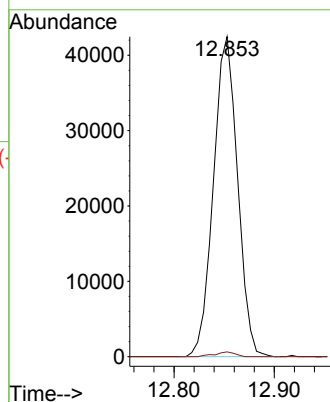
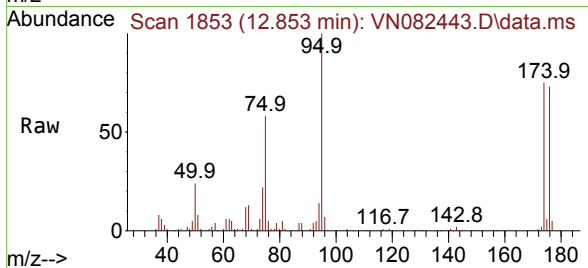




#76
1,2,3-Trichloropropane
Concen: 31.282 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70981
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.168 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082443.D
Acq: 03 Jun 2024 18:51

Tgt Ion: 75 Resp: 70981
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

