

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
 Data File : VN082441.D
 Acq On : 03 Jun 2024 18:02
 Operator : JC\MD
 Sample : PB161254ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

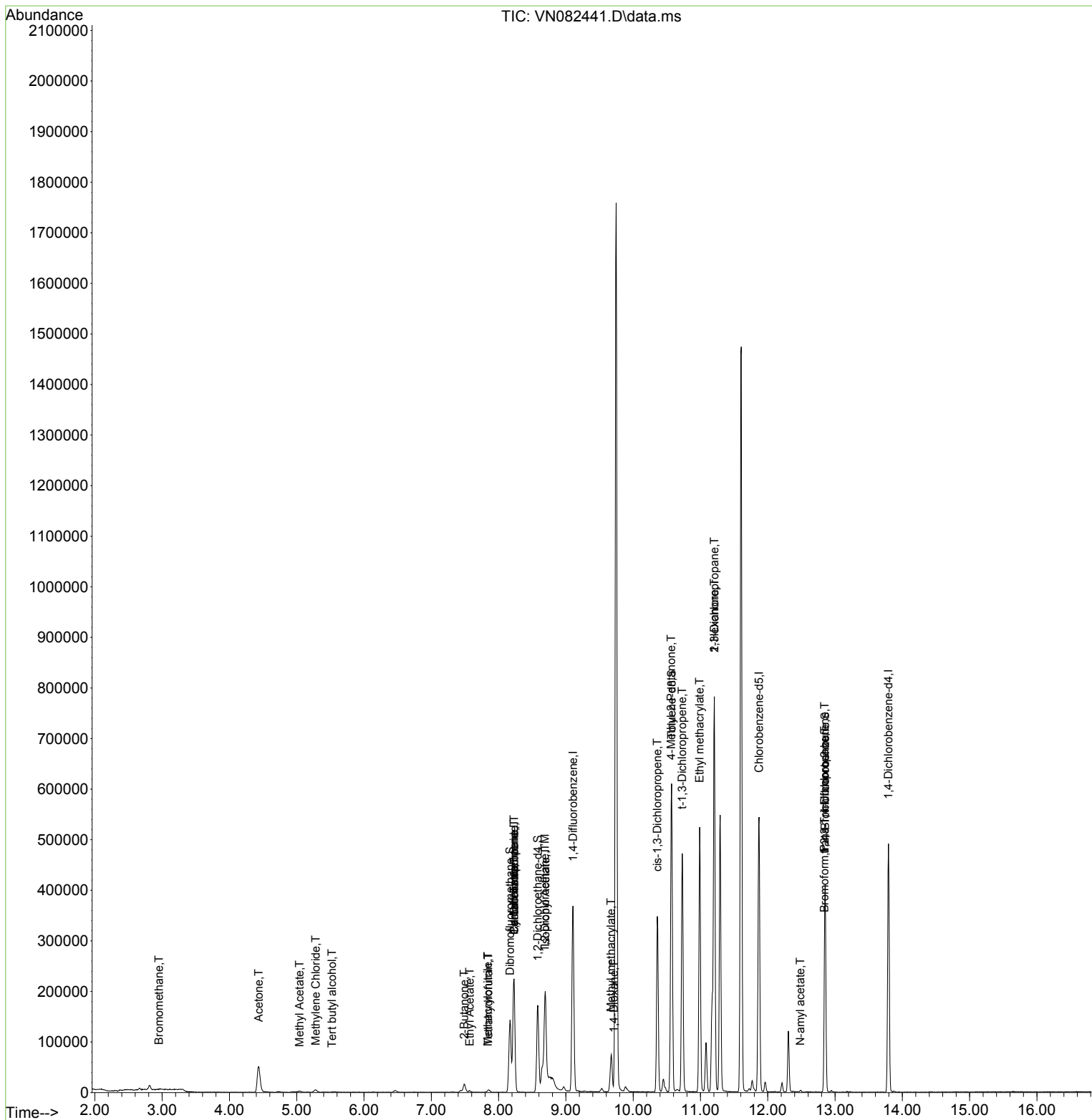
Quant Time: Jun 04 00:33:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

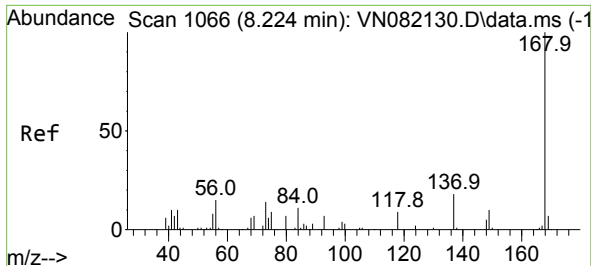
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	156721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121221	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	138398	55.926	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.860%			
35) Dibromofluoromethane	8.171	113	100104	55.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.500%			
50) Toluene-d8	10.571	98	389695	56.609	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.220%#			
62) 4-Bromofluorobenzene	12.853	95	131371	53.467	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.953	94	325	0.235	ug/l #	3
11) Tert butyl alcohol	5.524	59	475	1.196	ug/l #	71
16) Acetone	4.436	43	102142	100.618	ug/l	99
18) Methyl Acetate	5.041	43	4798	1.898	ug/l #	69
20) Methylene Chloride	5.283	84	3230	1.577	ug/l #	91
25) 2-Butanone	7.488	43	27170	17.653	ug/l #	79
29) Tetrahydrofuran	7.847	42	3765	3.810	ug/l #	75
31) Cyclohexane	8.229	56	5046	1.277	ug/l #	45
36) 1,1-Dichloropropene	8.229	75	14882	4.942	ug/l #	49
37) Ethyl Acetate	7.571	43	5233	1.553	ug/l #	79
38) Carbon Tetrachloride	8.229	117	16440	5.385	ug/l #	17
41) Methacrylonitrile	7.841	41	2609	1.316	ug/l #	42
42) 1,2-Dichloroethane	8.688	62	1055	0.305	ug/l #	73
43) Isopropyl Acetate	8.694	43	342816	57.407	ug/l #	69
48) Methyl methacrylate	9.671	41	5291	1.859	ug/l #	39
49) 1,4-Dioxane	9.712	88	59	1.480	ug/l #	28
51) 4-Methyl-2-Pentanone	10.565	43	9955	2.934	ug/l	97
53) t-1,3-Dichloropropene	10.729	75	888	0.267	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	54639	15.542	ug/l #	75
56) Ethyl methacrylate	10.988	69	1486	0.447	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7012	1.915	ug/l #	42
59) 2-Hexanone	11.206	43	125225	50.406	ug/l #	46
71) Bromoform	12.841	173	520	1.006	ug/l #	28
74) N-amyl acetate	12.482	43	1658	0.313	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	77020	30.187	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77020	70.607	ug/l #	12

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

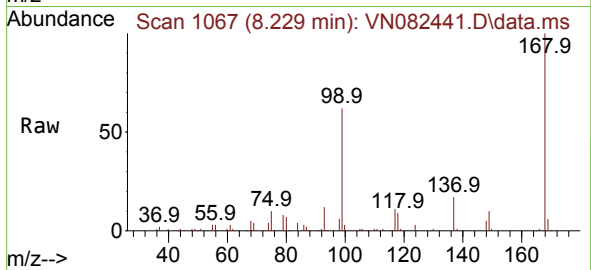
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



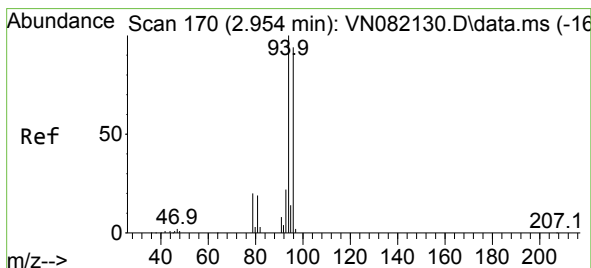
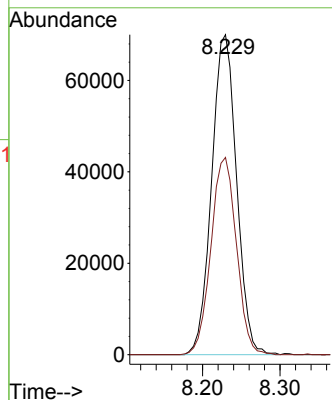
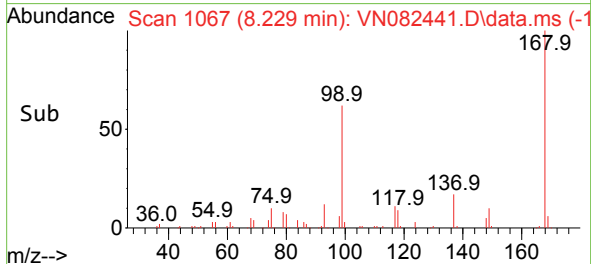


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

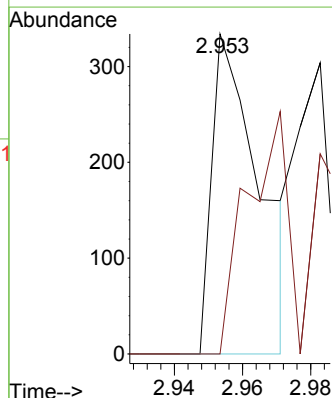
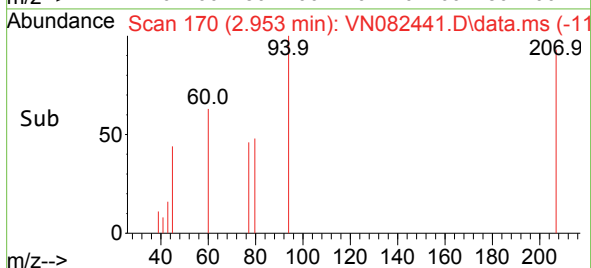
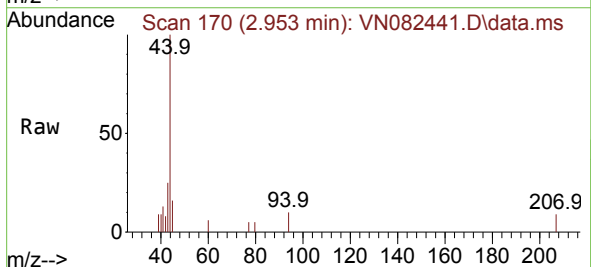


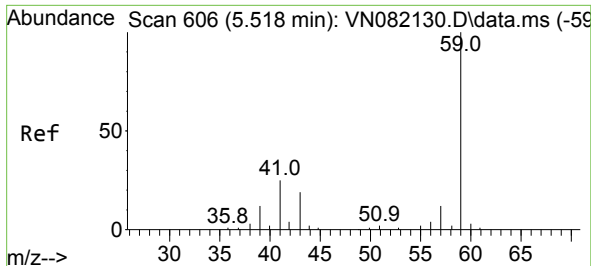
Tgt Ion:168 Resp: 156721
Ion Ratio Lower Upper
168 100
99 61.7 48.2 72.4



#5
Bromomethane
Concen: 0.235 ug/l
RT: 2.953 min Scan# 170
Delta R.T. -0.000 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

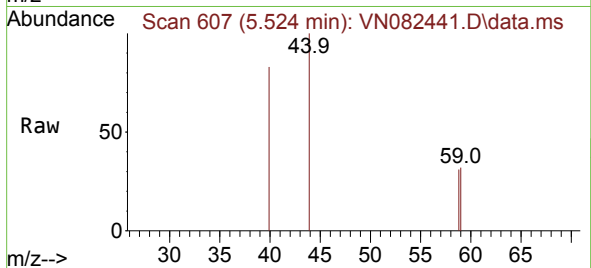
Tgt Ion: 94 Resp: 325
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



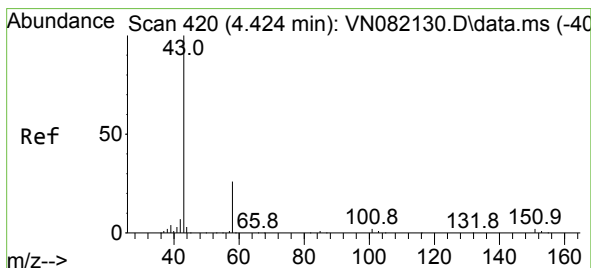
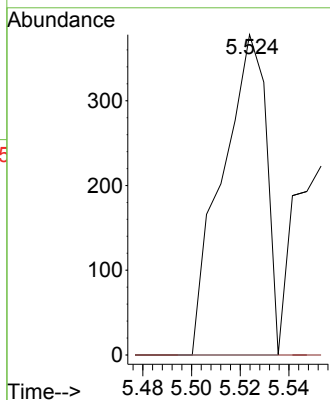
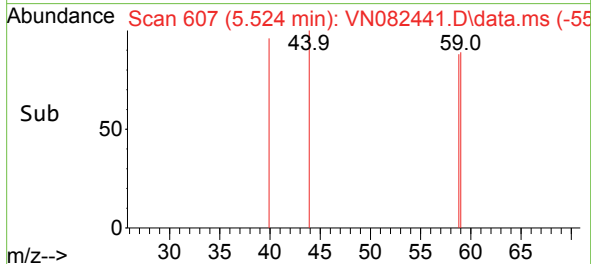


#11
Tert butyl alcohol
Concen: 1.196 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

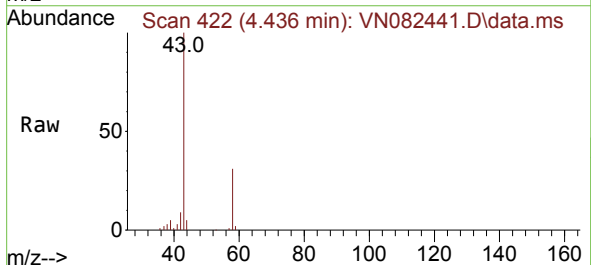
Instrument :
MSVOA_N
ClientSampleId :



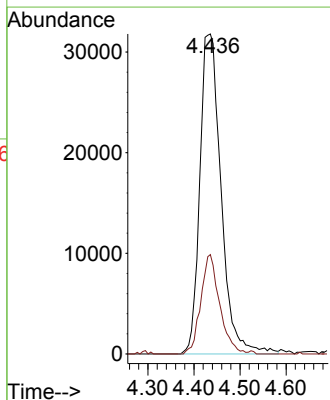
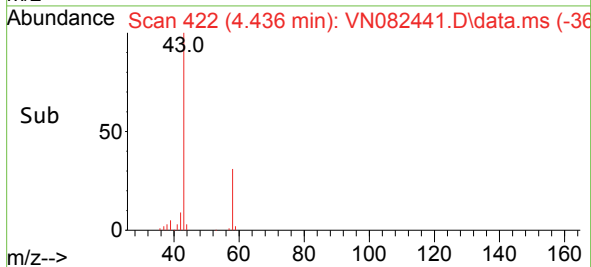
Tgt Ion: 59 Resp: 475
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

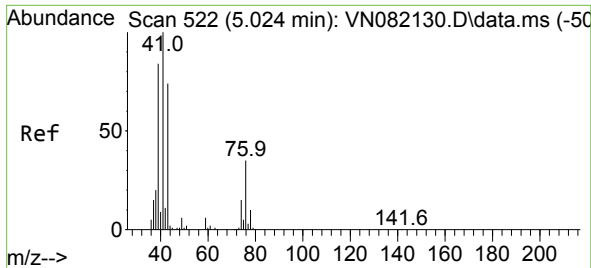


#16
Acetone
Concen: 100.618 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02



Tgt Ion: 43 Resp: 102142
Ion Ratio Lower Upper
43 100
58 31.1 25.2 37.8

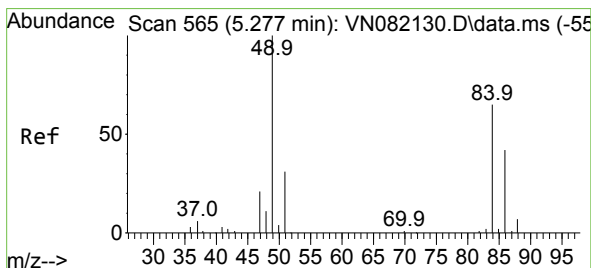
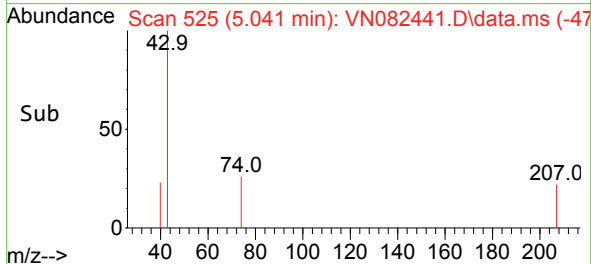
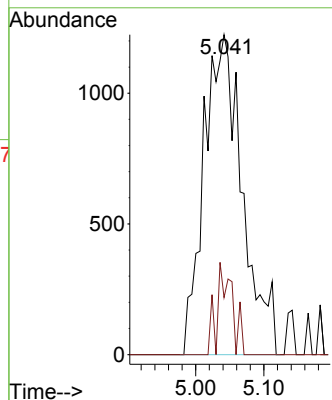
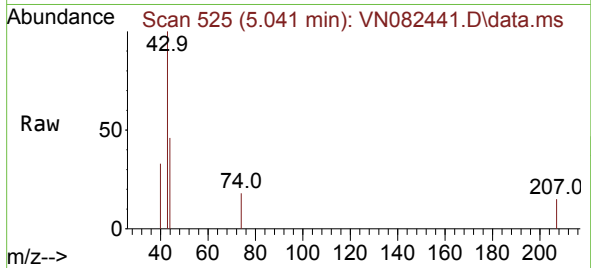




#18
Methyl Acetate
Concen: 1.898 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

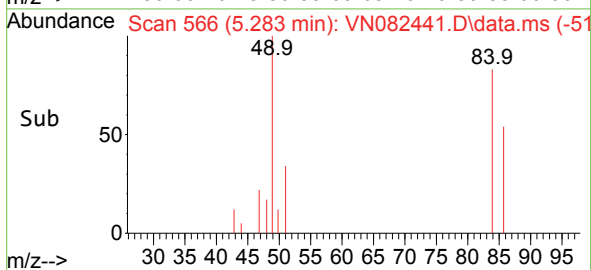
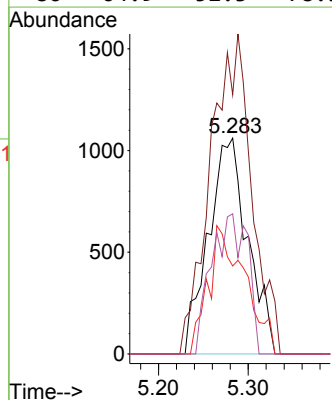
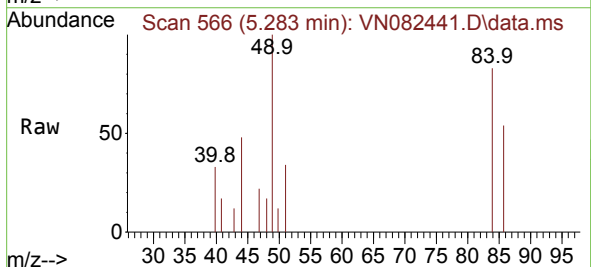
Instrument :
MSVOA_N
ClientSampleId :

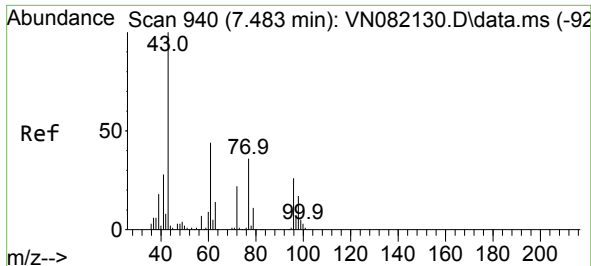
Tgt Ion: 43 Resp: 4798
Ion Ratio Lower Upper
43 100
74 11.5 22.2 33.2#



#20
Methylene Chloride
Concen: 1.577 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Tgt Ion: 84 Resp: 3230
Ion Ratio Lower Upper
84 100
49 120.1 84.9 127.3
51 40.8 27.0 40.6#
86 64.9 52.3 78.5

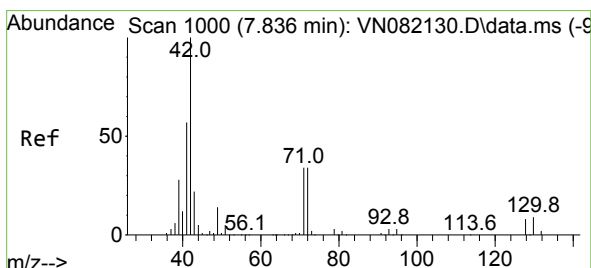
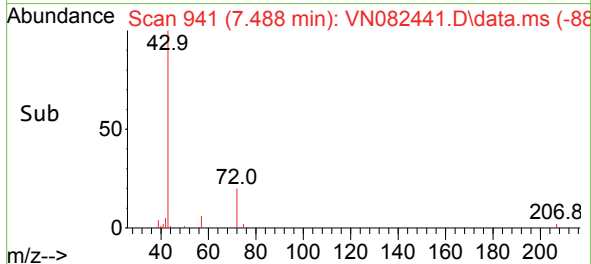
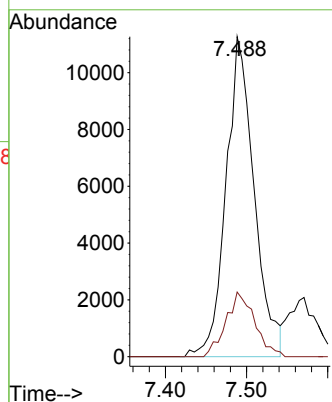
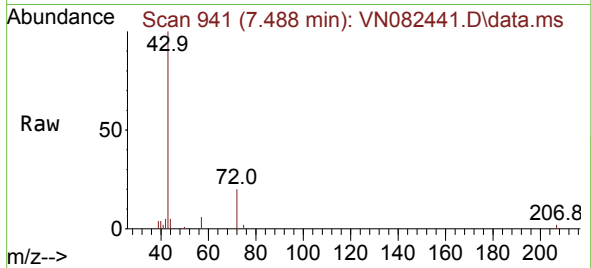




#25
2-Butanone
Concen: 17.653 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

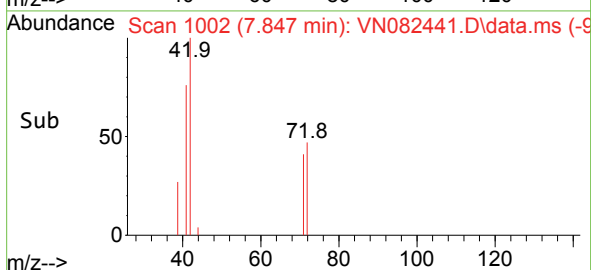
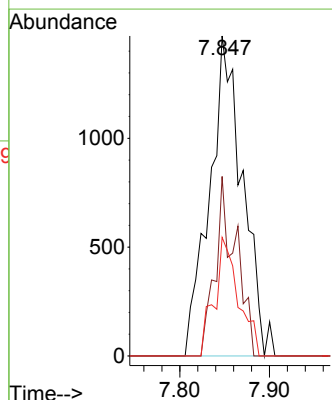
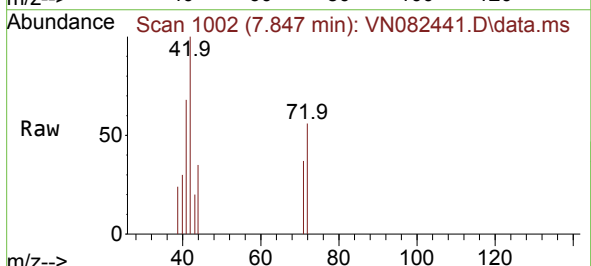
Instrument :
MSVOA_N
ClientSampleId :

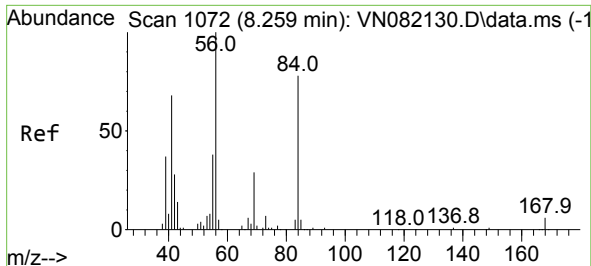
Tgt Ion: 43 Resp: 27170
Ion Ratio Lower Upper
43 100
72 20.2 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.810 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

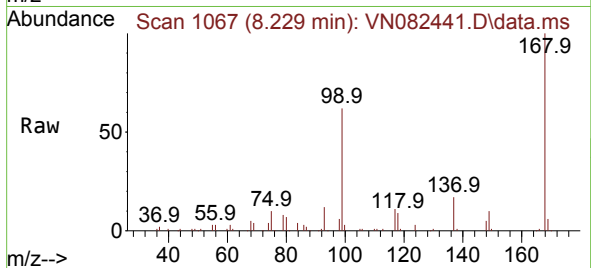
Tgt Ion: 42 Resp: 3765
Ion Ratio Lower Upper
42 100
72 35.1 39.3 58.9#
71 26.9 37.4 56.0#



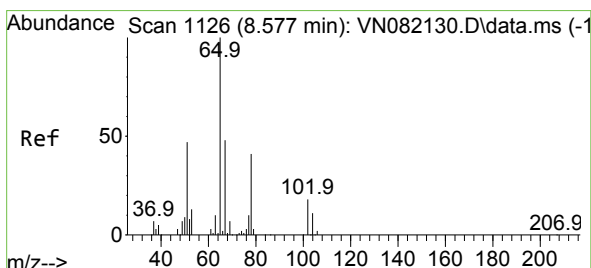
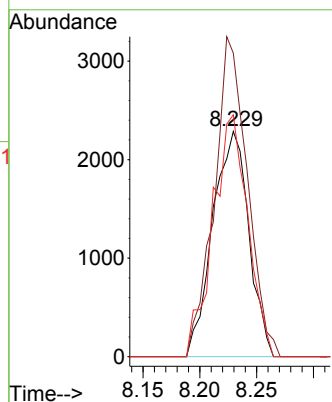
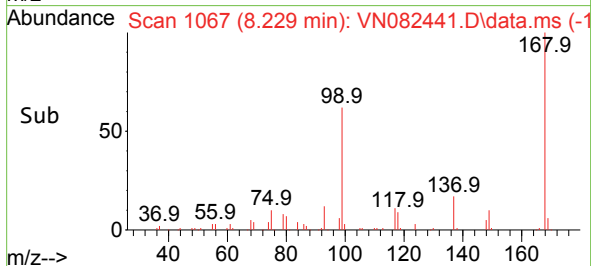


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.229 min Scan# 1072
Delta R.T. -0.030 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

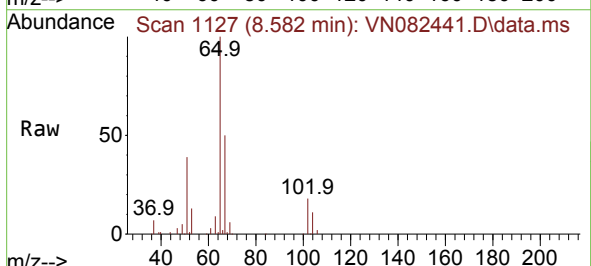
Instrument :
MSVOA_N
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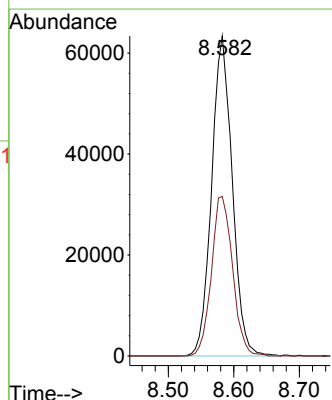
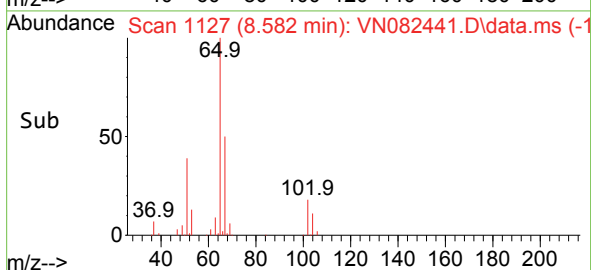
Tgt Ion: 56 Resp: 5046
Ion Ratio Lower Upper
56 100
69 134.7 24.4 36.6#
84 107.4 77.0 115.4

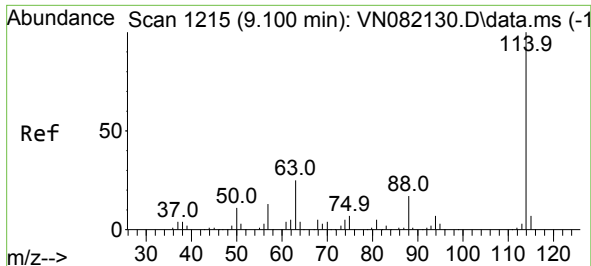


#33
1,2-Dichloroethane-d4
Concen: 55.926 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02



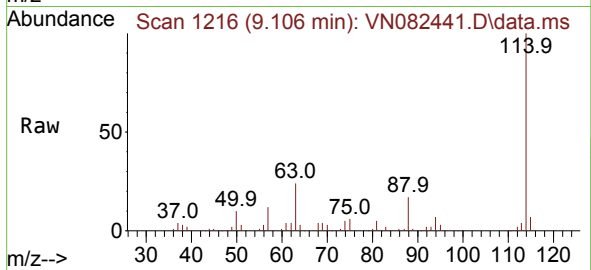
Tgt Ion: 65 Resp: 138398
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0



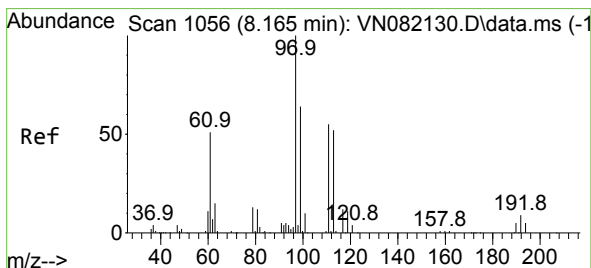
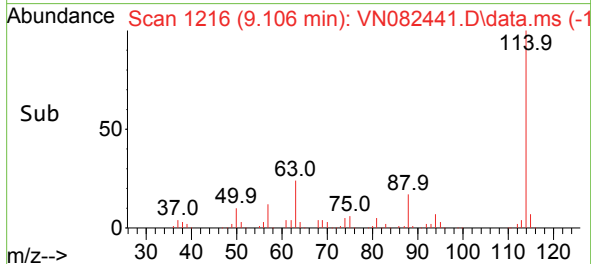
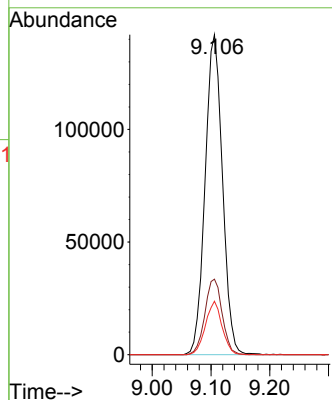


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

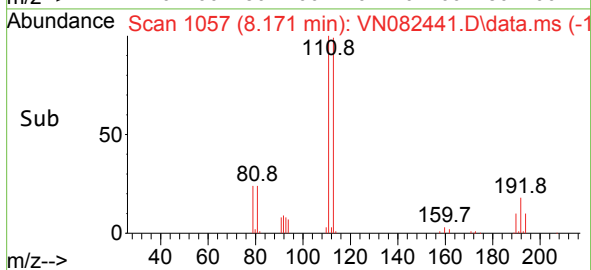
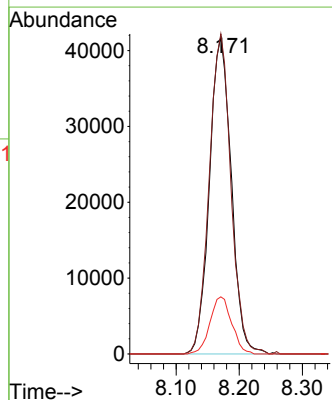
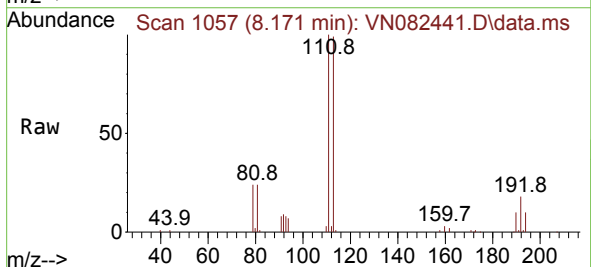


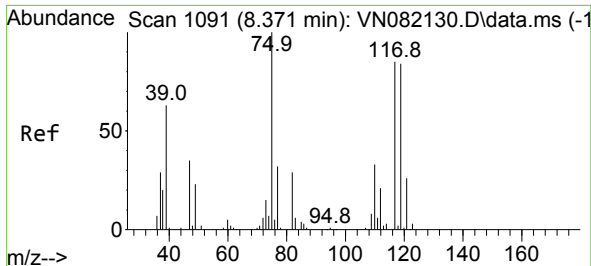
Tgt Ion:114 Resp: 291887
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.0
88 16.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.751 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Tgt Ion:113 Resp: 100104
Ion Ratio Lower Upper
113 100
111 100.7 83.4 125.2
192 18.0 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

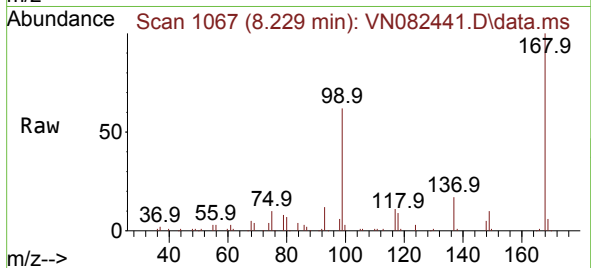
Lab File: VN082441.D

Acq: 03 Jun 2024 18:02

Instrument :

MSVOA_N

ClientSampleId :



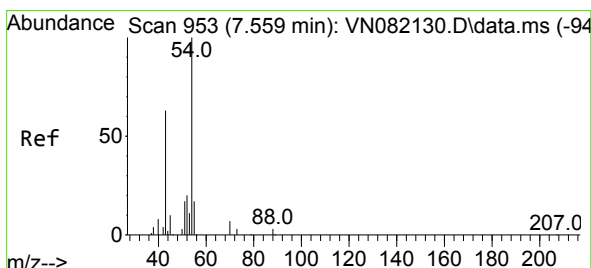
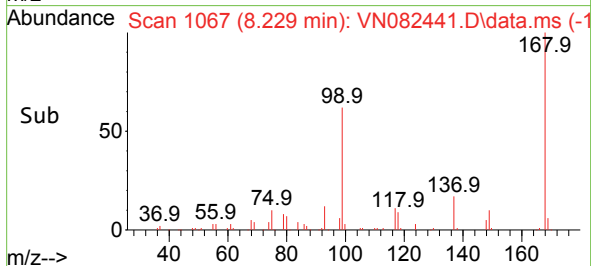
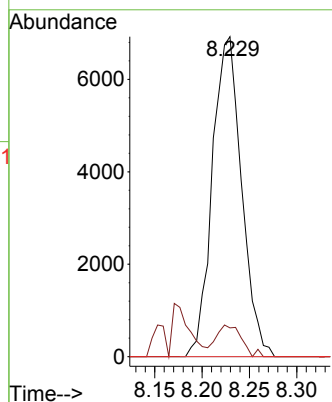
Tgt Ion: 75 Resp: 14882

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.553 ug/l

RT: 7.571 min Scan# 955

Delta R.T. 0.012 min

Lab File: VN082441.D

Acq: 03 Jun 2024 18:02

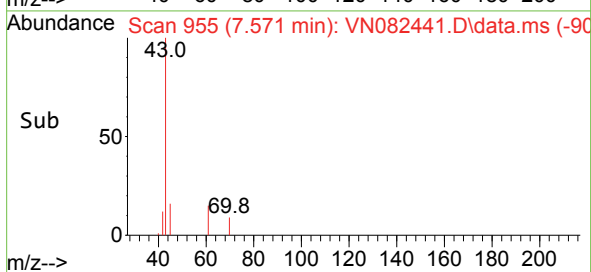
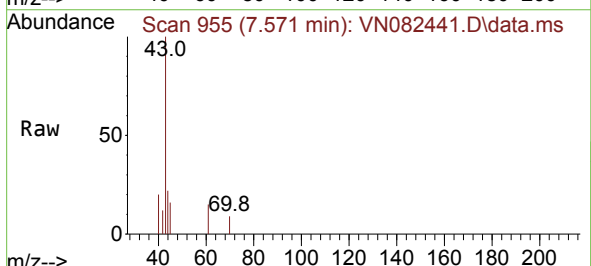
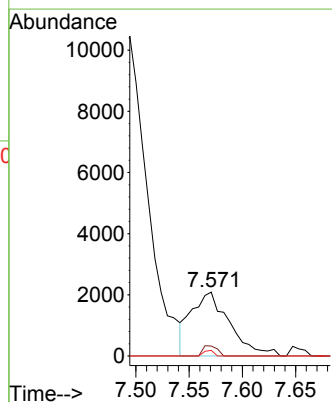
Tgt Ion: 43 Resp: 5233

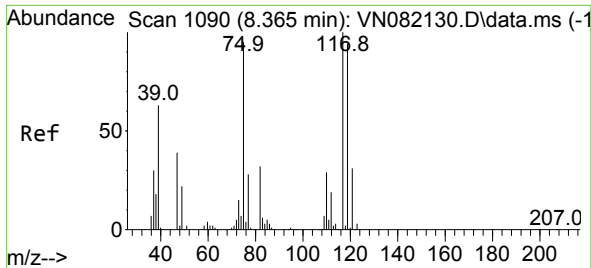
Ion Ratio Lower Upper

43 100

61 6.0 11.3 16.9#

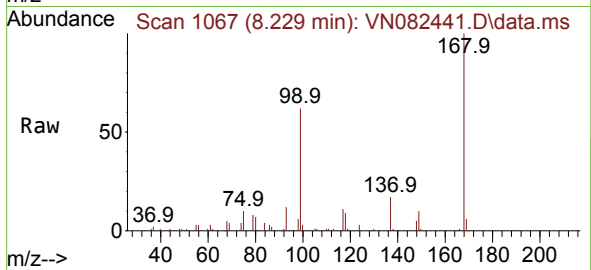
70 2.2 8.7 13.1#



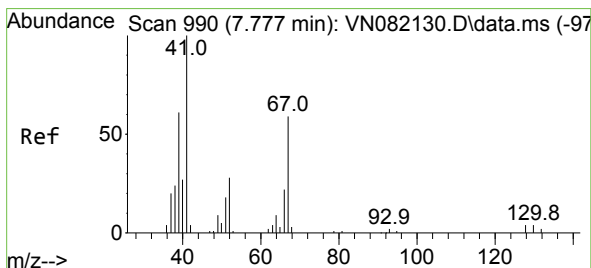
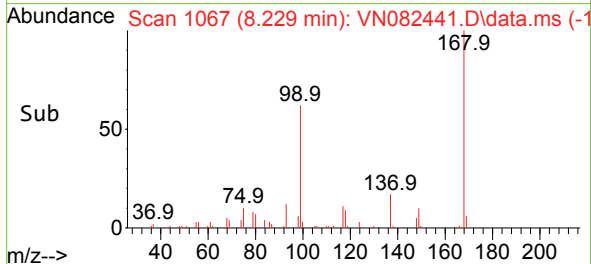
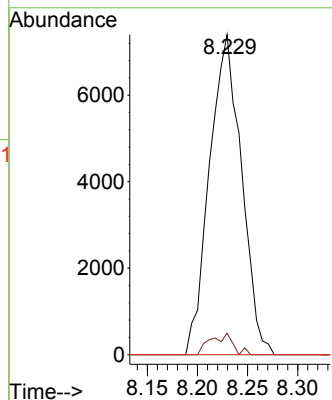


#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 8.229 min Scan# 1001
Delta R.T. -0.135 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

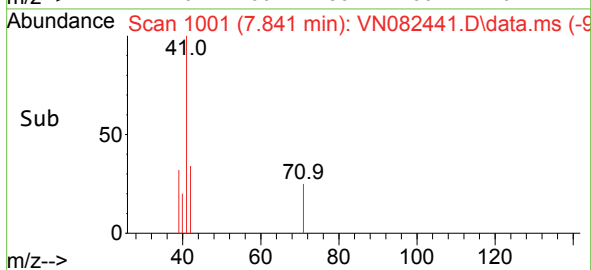
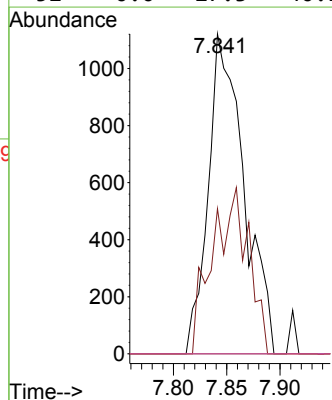
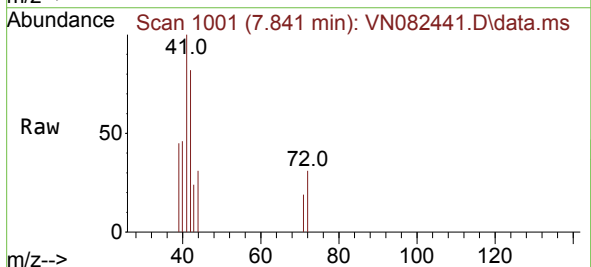


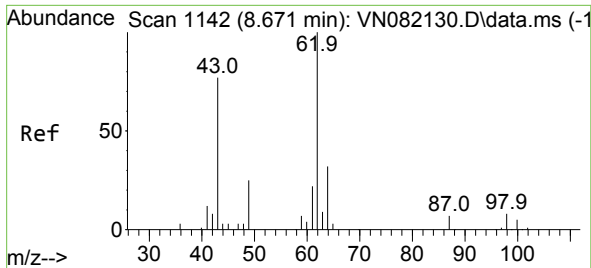
Tgt Ion:117 Resp: 16440
Ion Ratio Lower Upper
117 100
119 6.7 76.5 114.7#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.316 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Tgt Ion: 41 Resp: 2609
Ion Ratio Lower Upper
41 100
39 53.1 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.305 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082441.D

Acq: 03 Jun 2024 18:02

Instrument :

MSVOA_N

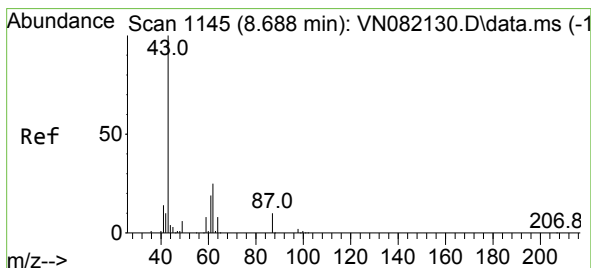
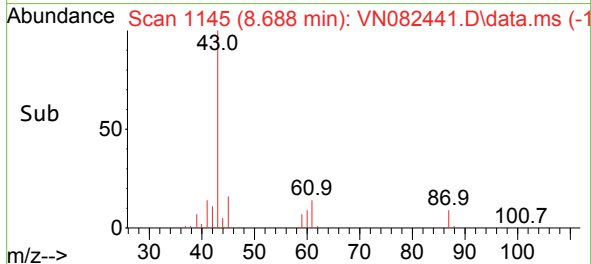
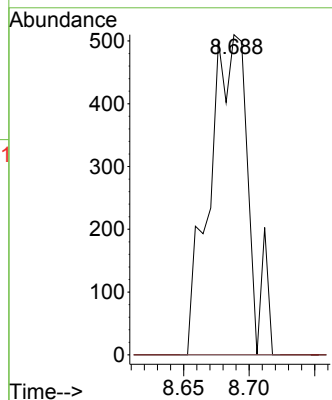
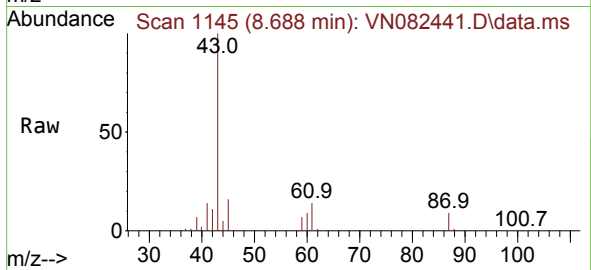
ClientSampleId :

Tgt Ion: 62 Resp: 1055

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 57.407 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082441.D

Acq: 03 Jun 2024 18:02

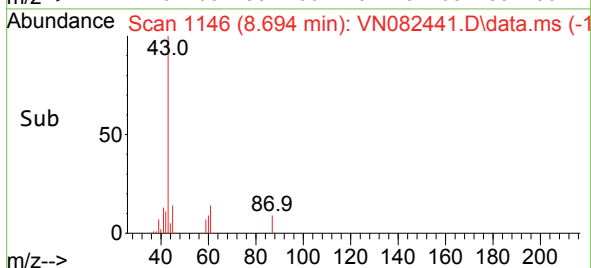
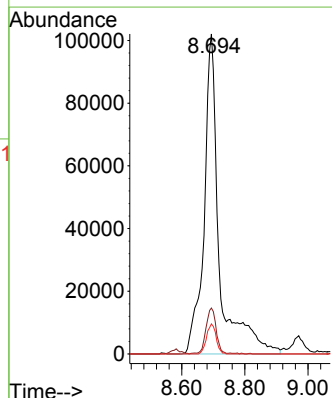
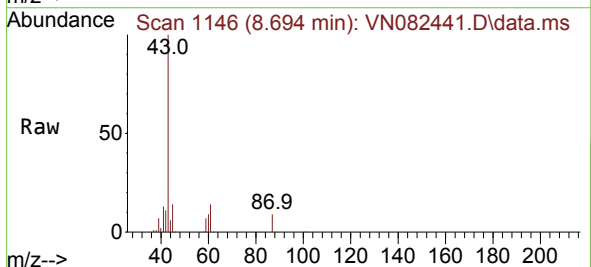
Tgt Ion: 43 Resp: 342816

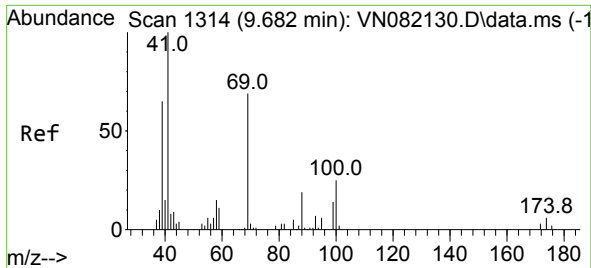
Ion Ratio Lower Upper

43 100

61 9.6 22.8 34.2#

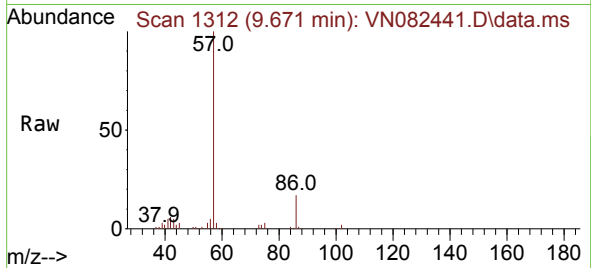
87 5.9 12.0 18.0#



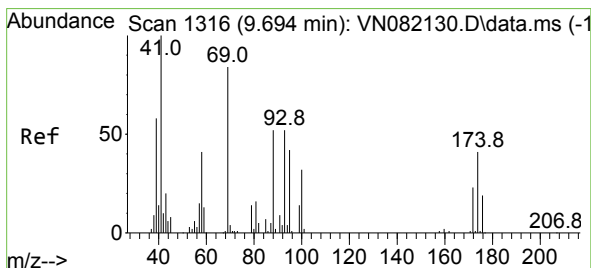
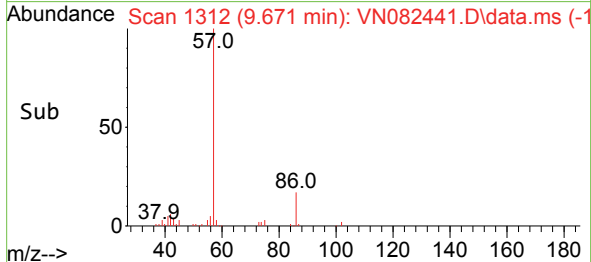
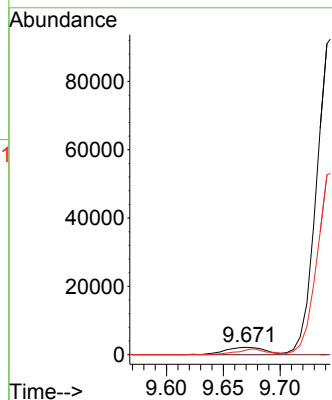


#48
Methyl methacrylate
Concen: 1.859 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

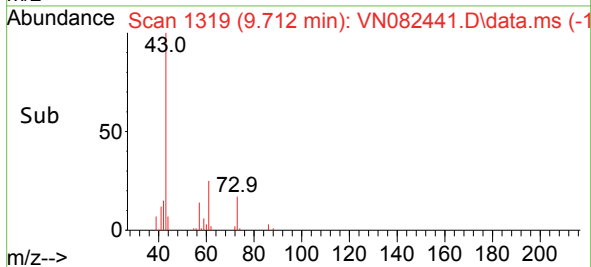
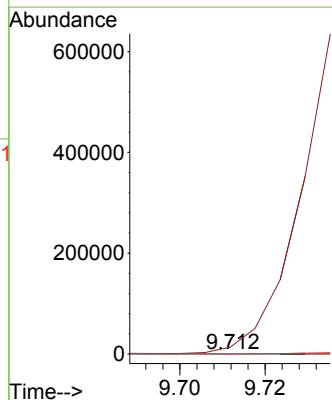
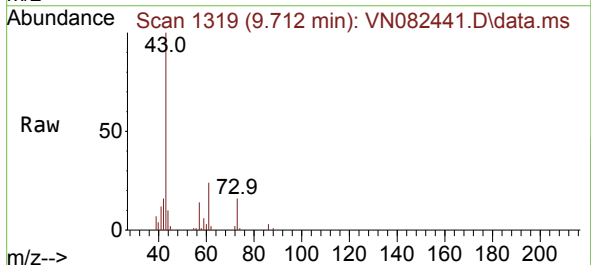


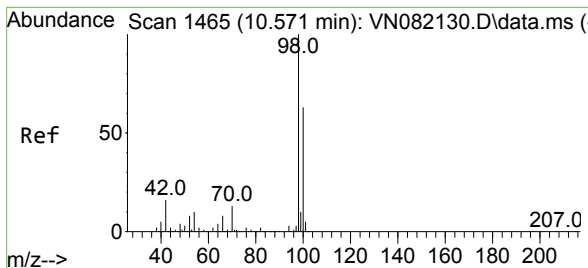
Tgt Ion: 41 Resp: 5291
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 61.2 50.9 76.3



#49
1,4-Dioxane
Concen: 1.480 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.018 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 50.6 76.0#

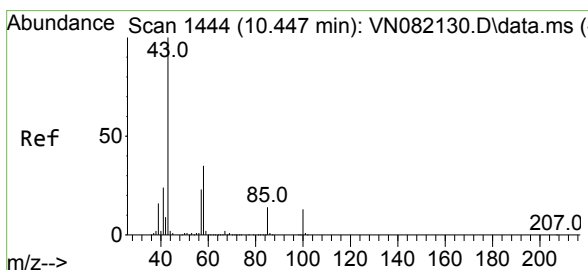
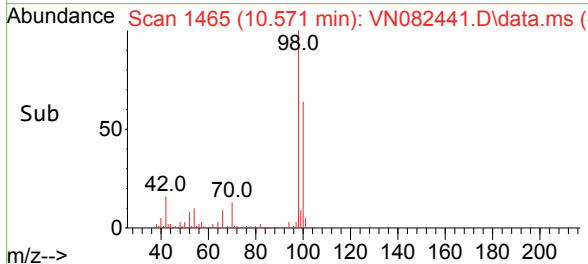
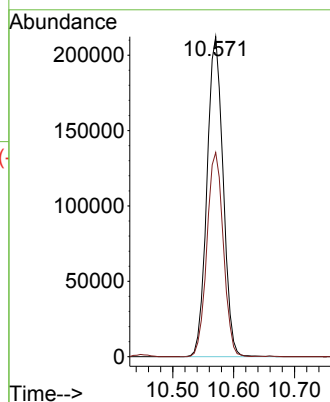
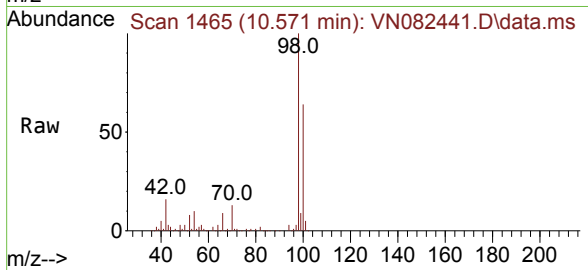




#50
Toluene-d8
Concen: 56.609 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

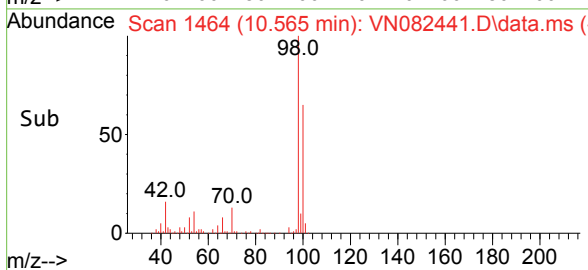
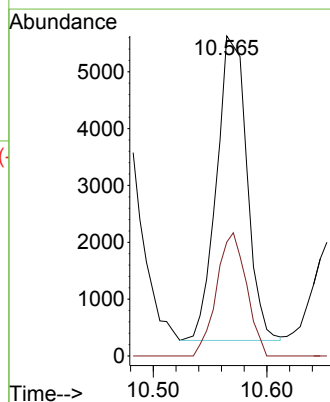
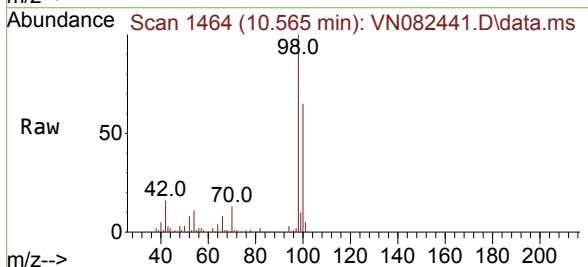
Instrument :
MSVOA_N
ClientSampleId :

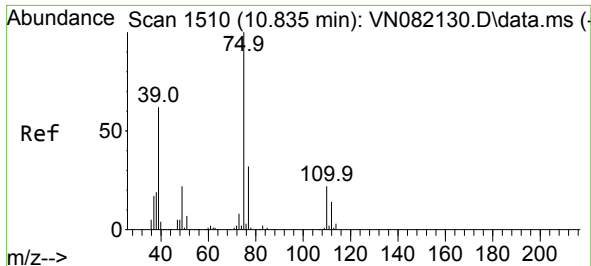
Tgt Ion: 98 Resp: 389695
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.934 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

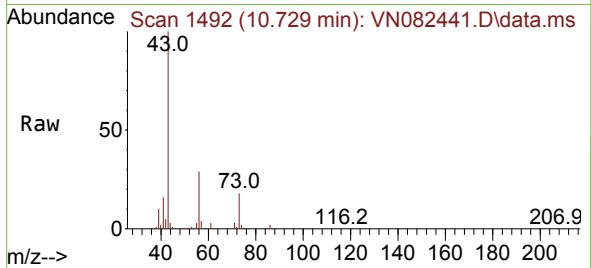
Tgt Ion: 43 Resp: 9955
Ion Ratio Lower Upper
43 100
58 39.6 33.2 49.8



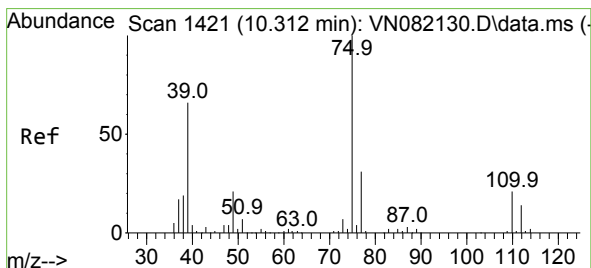
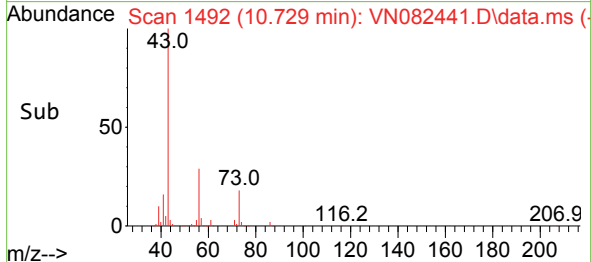
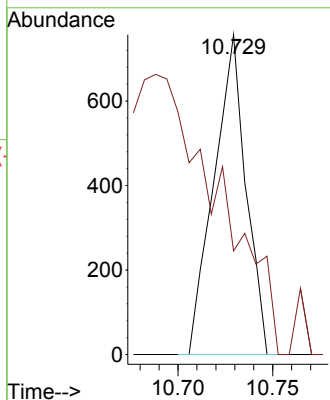


#53
t-1,3-Dichloropropene
Concen: 0.267 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

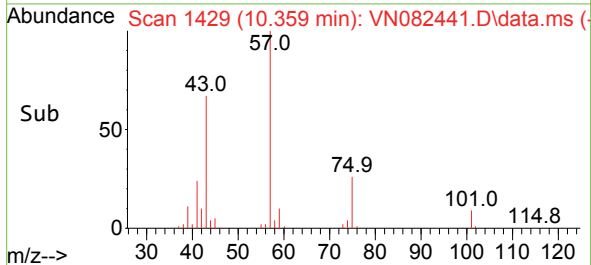
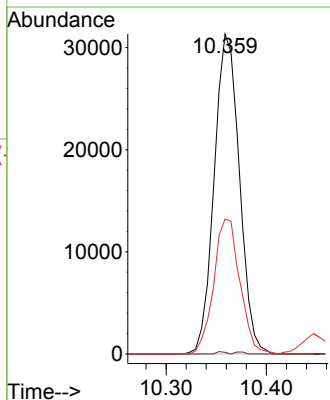
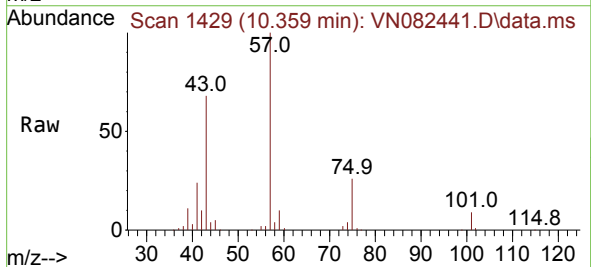


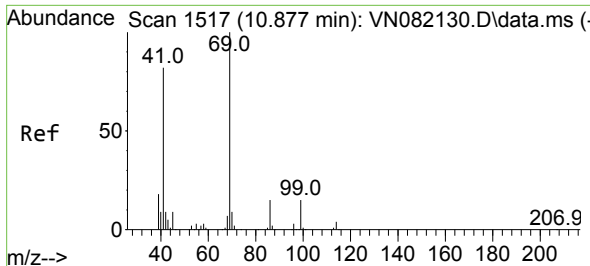
Tgt Ion: 75 Resp: 888
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 15.542 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

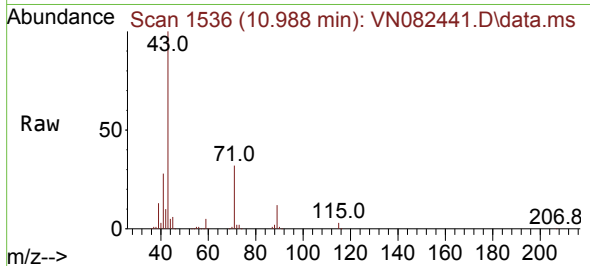
Tgt Ion: 75 Resp: 54639
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 42.1 34.8 52.2



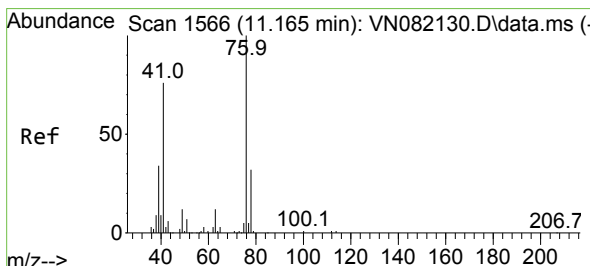
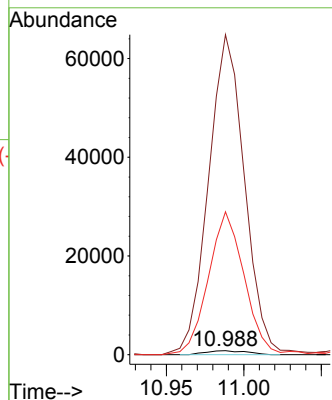
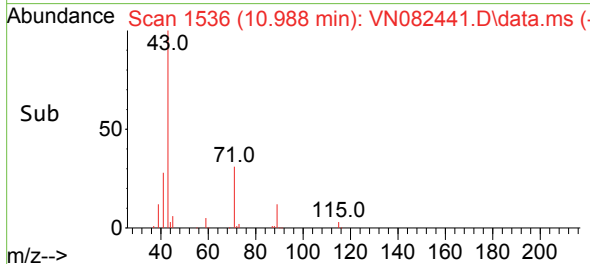


#56
Ethyl methacrylate
Concen: 0.447 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

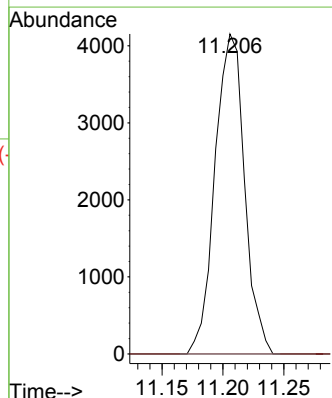
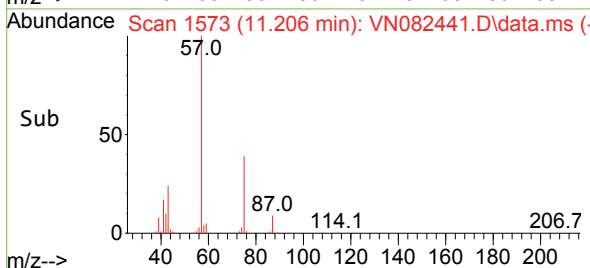
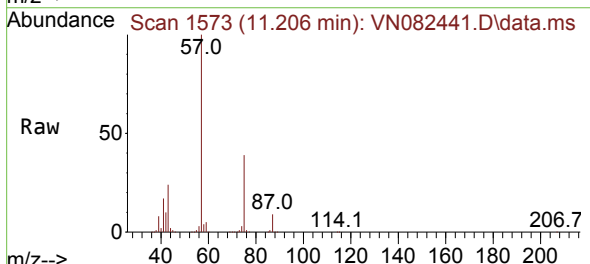


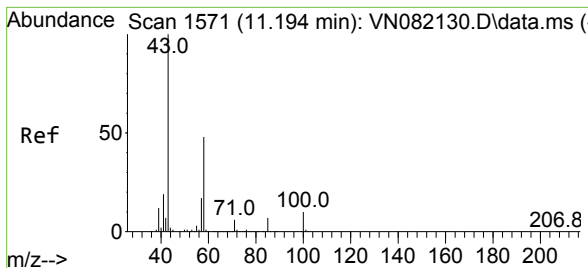
Tgt Ion: 69 Resp: 1486
Ion Ratio Lower Upper
69 100
41 7075.0 46.6 70.0#
39 3144.7 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.915 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Tgt Ion: 76 Resp: 7012
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

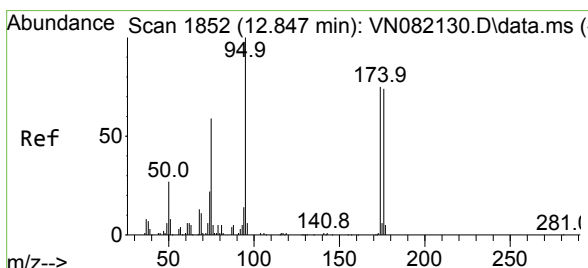
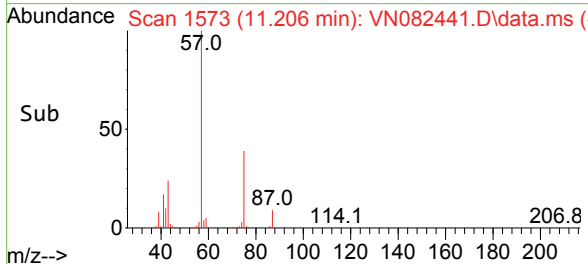
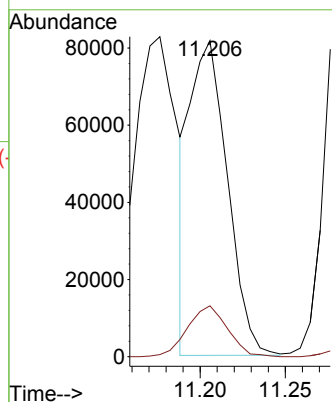
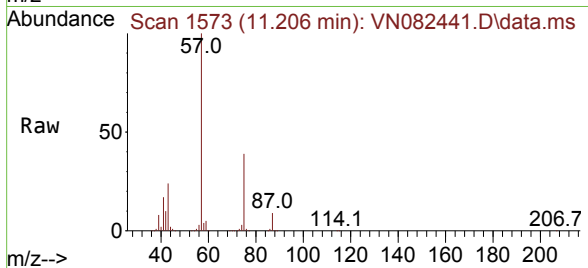




#59
2-Hexanone
Concen: 50.406 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

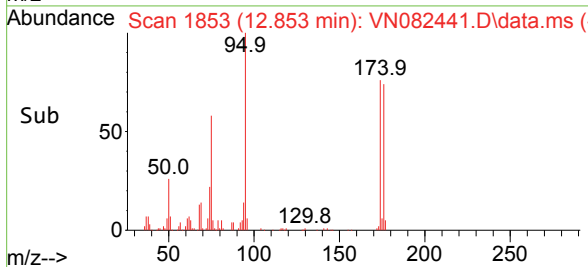
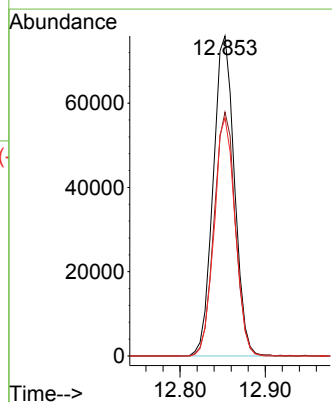
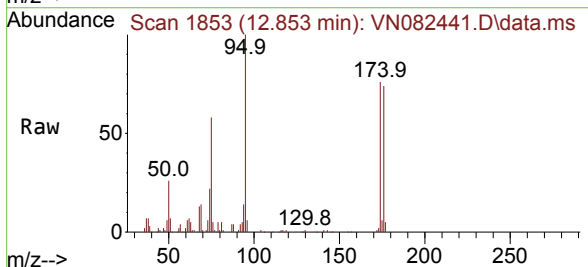
Instrument :
MSVOA_N
ClientSampleId :

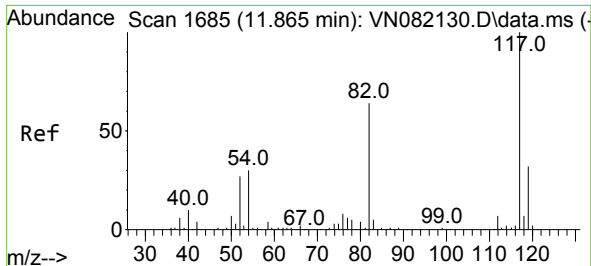
Tgt Ion: 43 Resp: 125225
Ion Ratio Lower Upper
43 100
58 17.2 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.467 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

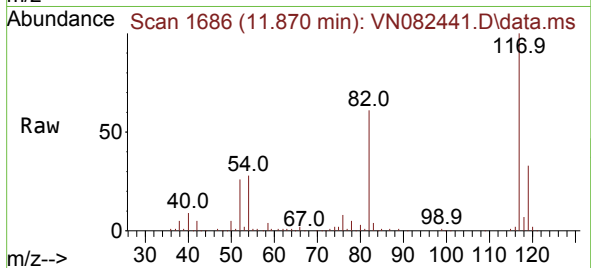
Tgt Ion: 95 Resp: 131371
Ion Ratio Lower Upper
95 100
174 76.0 0.0 160.6
176 73.7 0.0 152.8



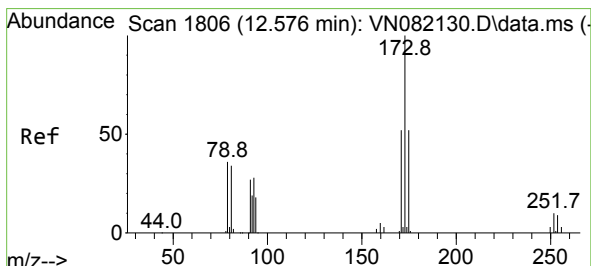
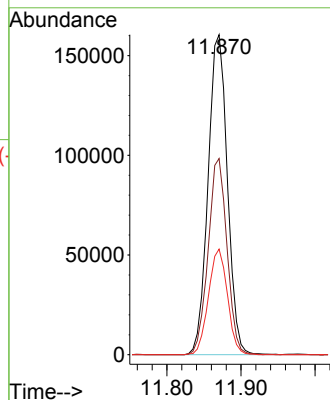
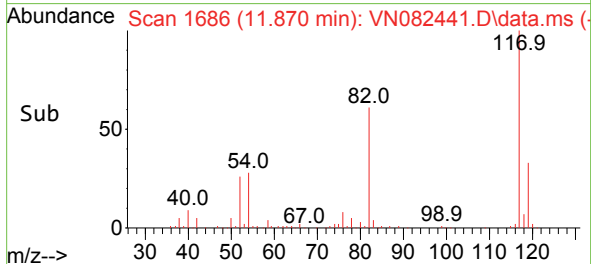


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

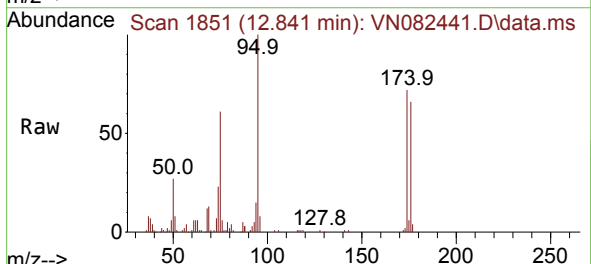
Instrument :
MSVOA_N
ClientSampleId :



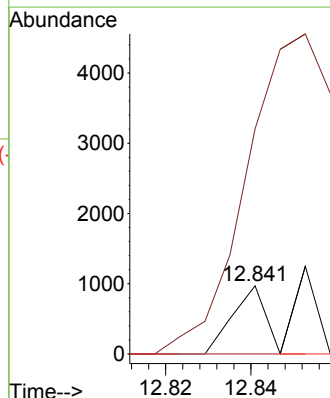
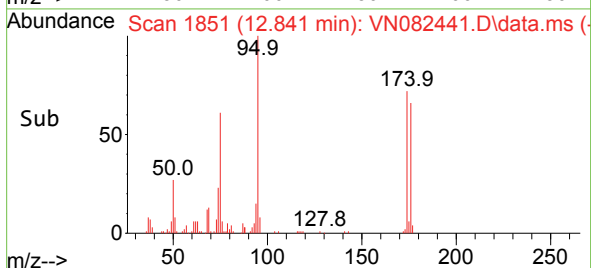
Tgt Ion:117 Resp: 290456
Ion Ratio Lower Upper
117 100
82 61.3 44.6 66.8
119 33.0 25.9 38.9

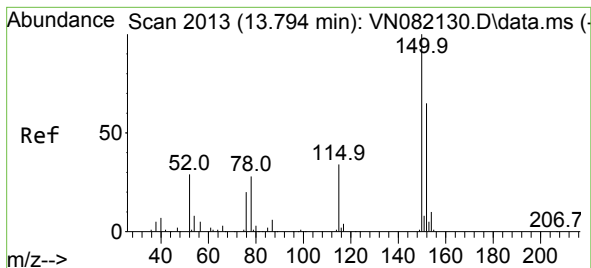


#71
Bromoform
Concen: 1.006 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02



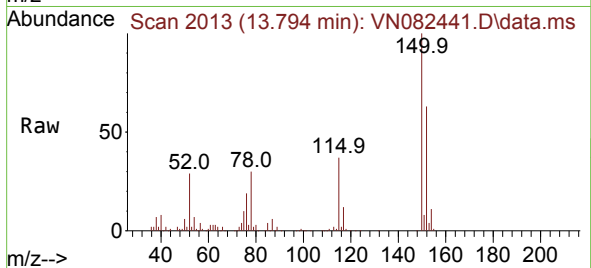
Tgt Ion:173 Resp: 520
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



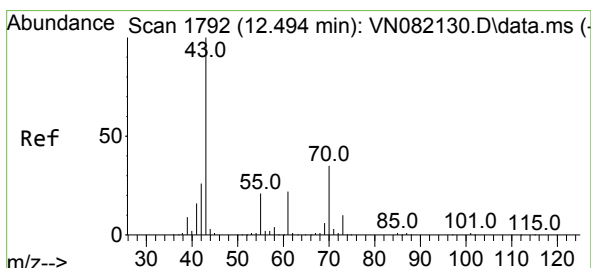
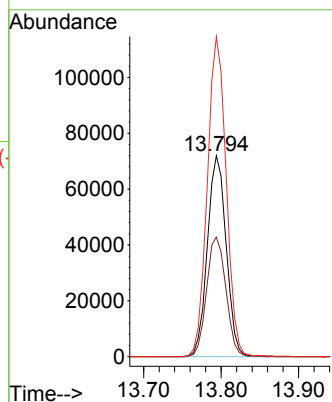
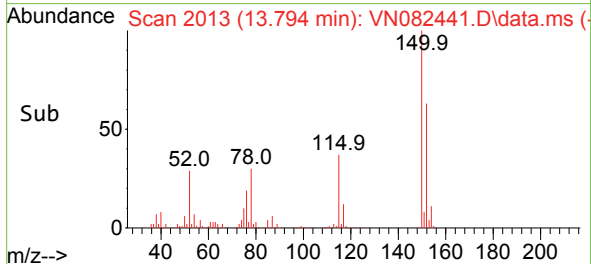


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

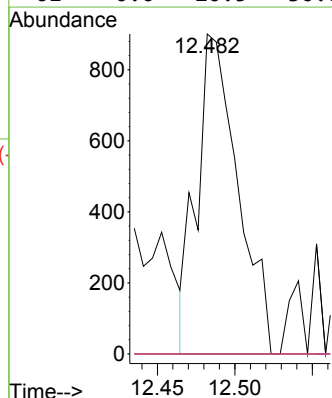
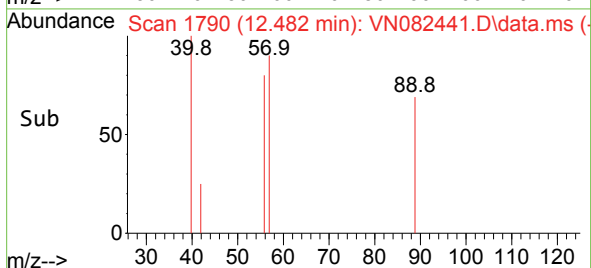
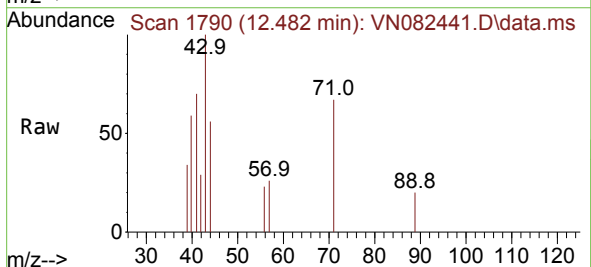


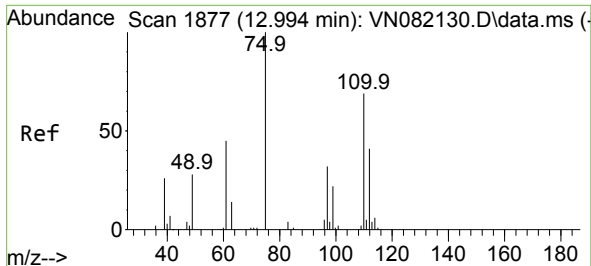
Tgt Ion:152 Resp: 121221
Ion Ratio Lower Upper
152 100
115 61.1 30.4 91.3
150 159.9 0.0 353.2



#74
N-ethyl acetate
Concen: 0.313 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Tgt Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#

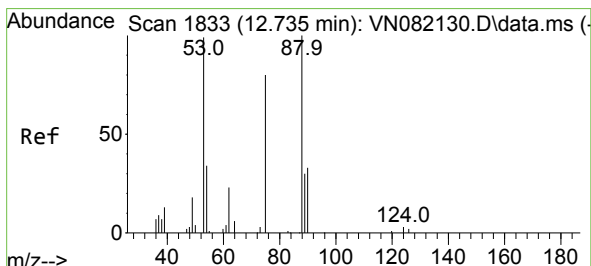
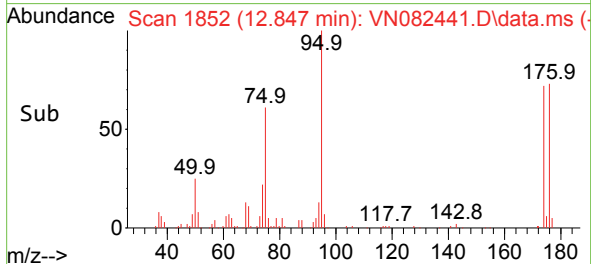
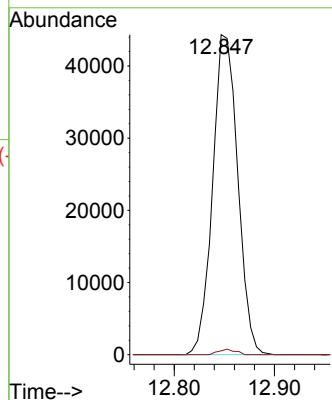
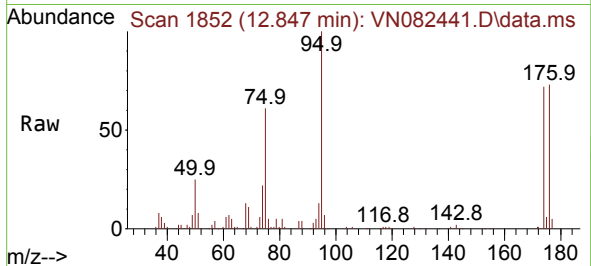




#76
1,2,3-Trichloropropane
Concen: 30.187 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 77020
Ion Ratio Lower Upper
75 100
77 1.2 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.607 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082441.D
Acq: 03 Jun 2024 18:02

Tgt Ion: 75 Resp: 77020
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

