

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
 Data File : VN082439.D
 Acq On : 03 Jun 2024 17:13
 Operator : JC\MD
 Sample : PB161254ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

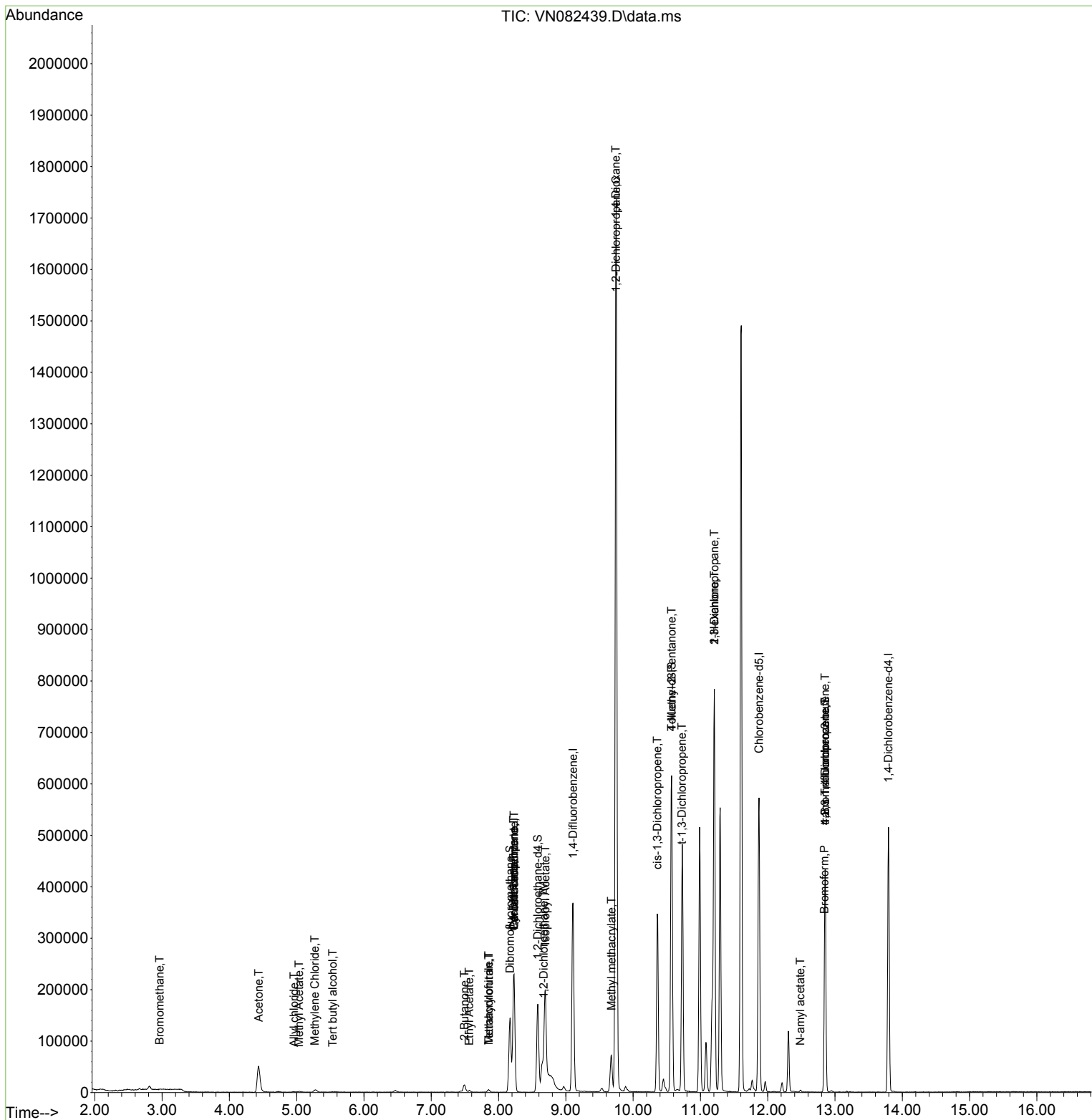
Instrument :
 MSVOA_N
 ClientSampleId :

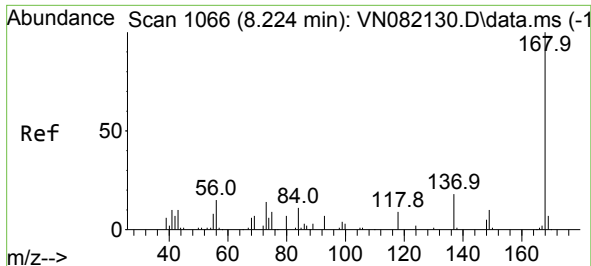
Quant Time: Jun 04 00:32:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	158854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	297626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	295736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	125997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	138967	55.402	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	110.800%	
35) Dibromofluoromethane	8.171	113	98873	54.004	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	108.000%	
50) Toluene-d8	10.571	98	391631	55.793	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	111.580%	
62) 4-Bromofluorobenzene	12.853	95	135656	54.146	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	=	108.300%	
Target Compounds						Qvalue
5) Bromomethane	2.965	94	366	0.261	ug/l #	3
11) Tert butyl alcohol	5.536	59	641	1.592	ug/l #	71
14) Allyl chloride	4.959	41	1288	0.347	ug/l #	23
16) Acetone	4.436	43	99637	96.832	ug/l	93
18) Methyl Acetate	5.036	43	3714	1.449	ug/l #	64
20) Methylene Chloride	5.271	84	3229	1.555	ug/l #	76
25) 2-Butanone	7.494	43	25633	16.431	ug/l #	81
29) Tetrahydrofuran	7.853	42	3586	3.580	ug/l #	87
31) Cyclohexane	8.224	56	4776	1.192	ug/l #	50
36) 1,1-Dichloropropene	8.224	75	14736	4.799	ug/l #	51
37) Ethyl Acetate	7.565	43	5105	1.486	ug/l #	69
38) Carbon Tetrachloride	8.230	117	17397	5.589	ug/l #	15
41) Methacrylonitrile	7.853	41	2183	1.080	ug/l #	39
42) 1,2-Dichloroethane	8.671	62	1119	0.318	ug/l #	73
43) Isopropyl Acetate	8.694	43	302134	49.619	ug/l #	71
45) 1,2-Dichloropropane	9.747	63	1938	0.820	ug/l #	45
48) Methyl methacrylate	9.677	41	5597	1.929	ug/l #	37
49) 1,4-Dioxane	9.741	88	124	3.050	ug/l #	1
51) 4-Methyl-2-Pentanone	10.571	43	10141	2.931	ug/l	98
53) t-1,3-Dichloropropene	10.724	75	867	0.256	ug/l #	83
54) cis-1,3-Dichloropropene	10.359	75	53316	14.873	ug/l #	75
57) 1,3-Dichloropropane	11.206	76	6932	1.857	ug/l #	42
59) 2-Hexanone	11.206	43	102638	40.518	ug/l #	50
71) Bromoform	12.841	173	229	0.833	ug/l #	28
74) N-amyl acetate	12.482	43	2368	0.430	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	78868	29.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78868	69.560	ug/l #	12

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

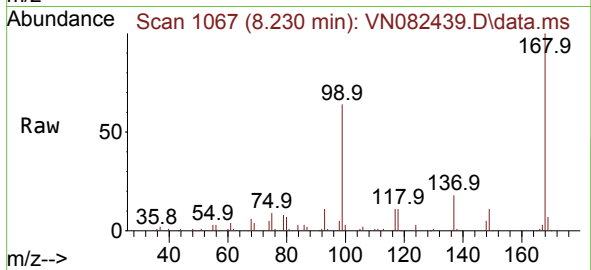
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



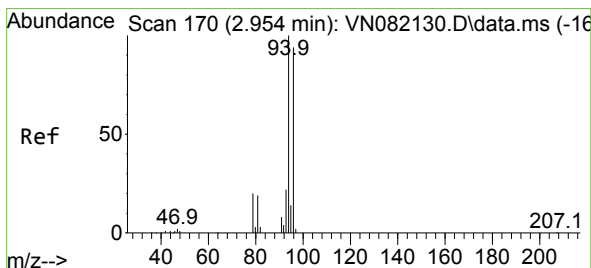
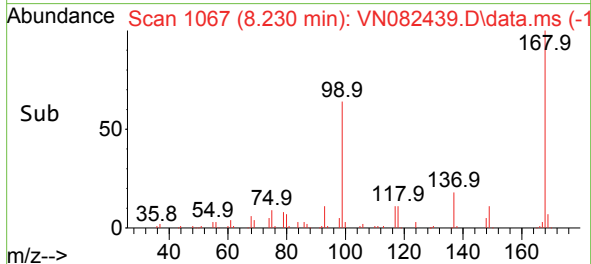
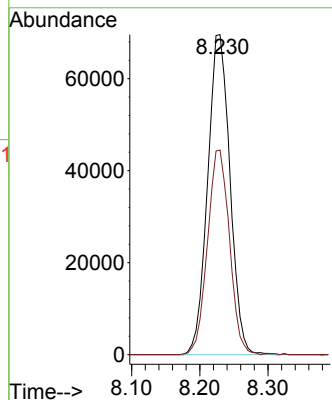


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :

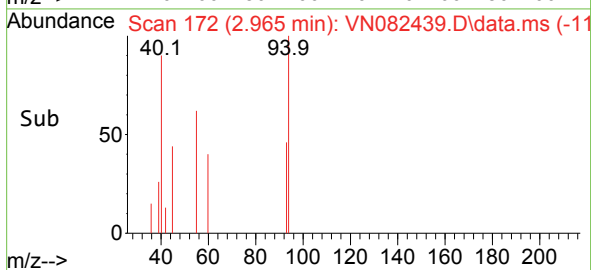
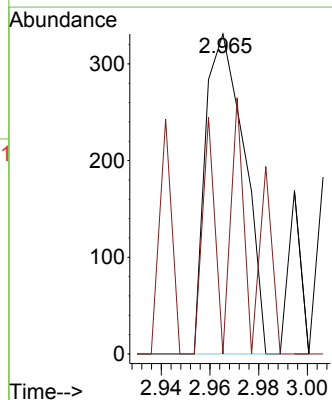
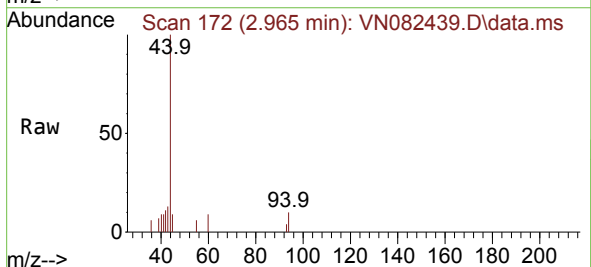


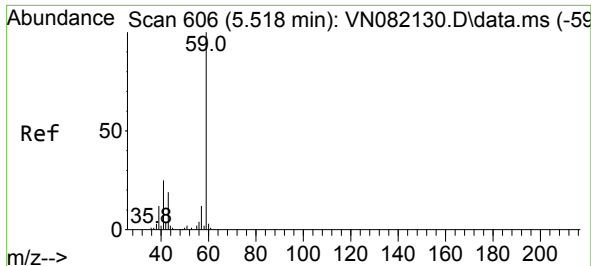
Tgt Ion:168 Resp: 158854
Ion Ratio Lower Upper
168 100
99 63.9 48.2 72.4



#5
Bromomethane
Concen: 0.261 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.012 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

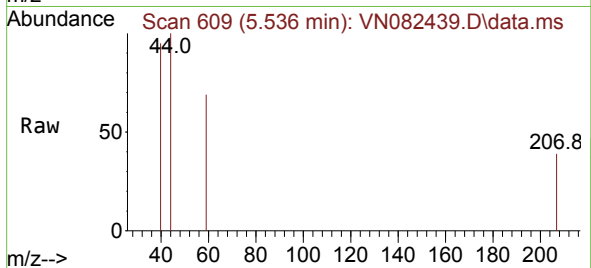
Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



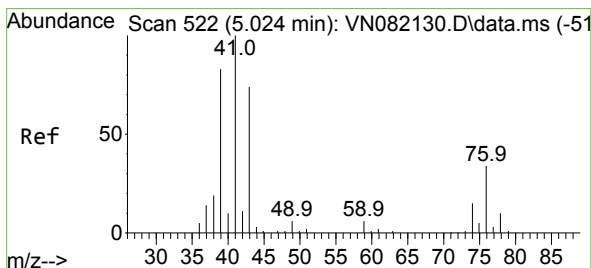
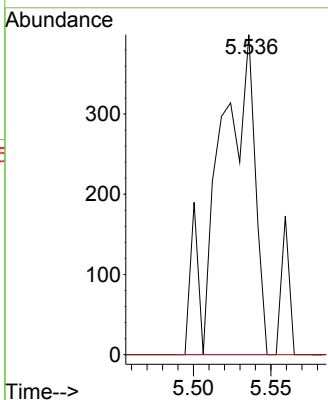
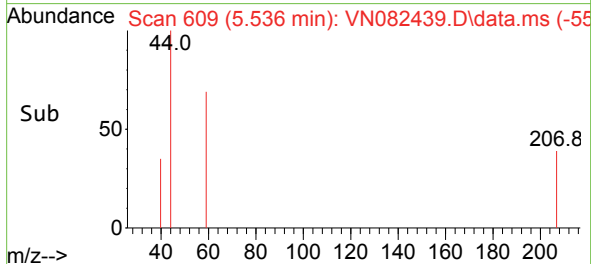


#11
Tert butyl alcohol
Concen: 1.592 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :

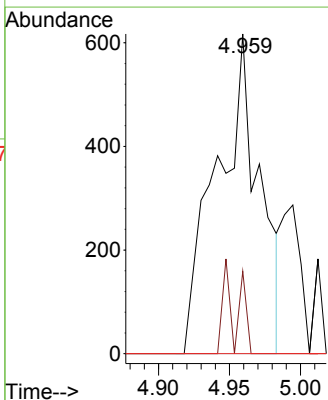
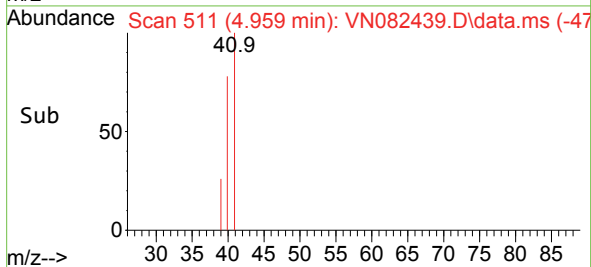
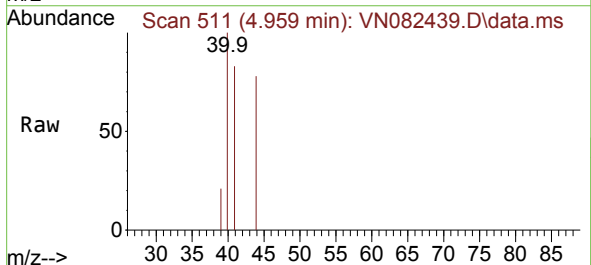


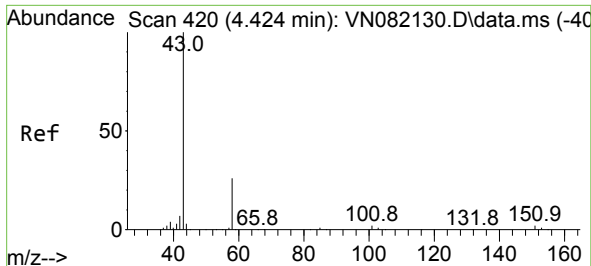
Tgt Ion: 59 Resp: 641
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#14
Allyl chloride
Concen: 0.347 ug/l
RT: 4.959 min Scan# 511
Delta R.T. -0.065 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Tgt Ion: 41 Resp: 1288
Ion Ratio Lower Upper
41 100
39 9.4 65.4 98.0#
76 0.0 37.3 55.9#

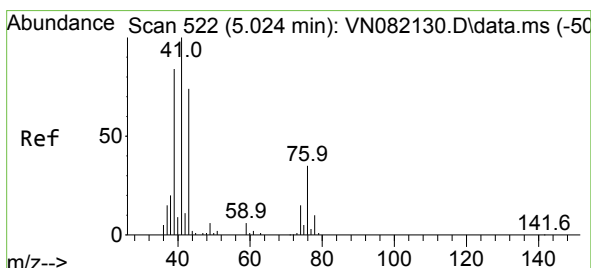
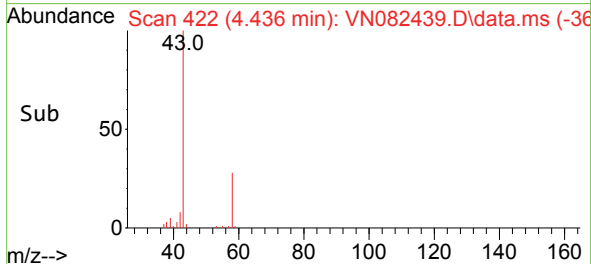
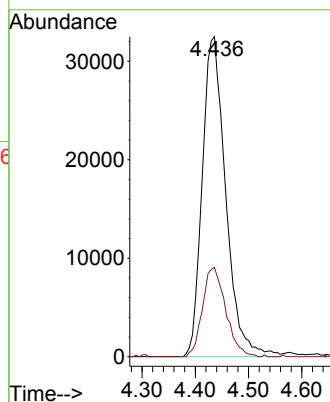
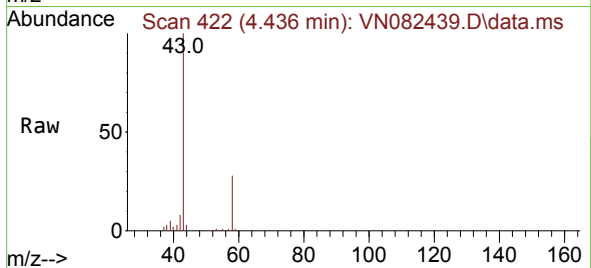




#16
Acetone
Concen: 96.832 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

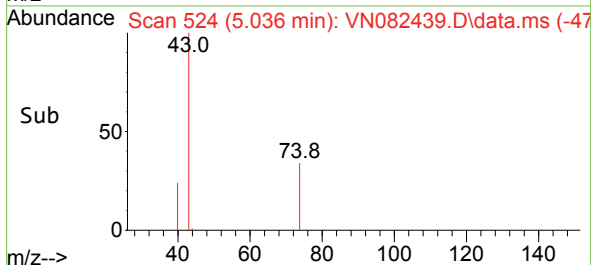
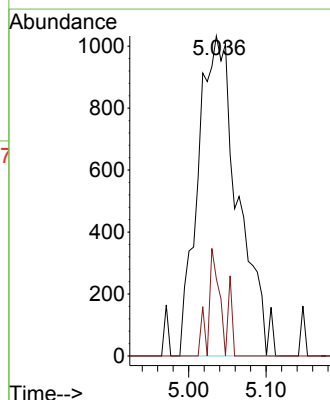
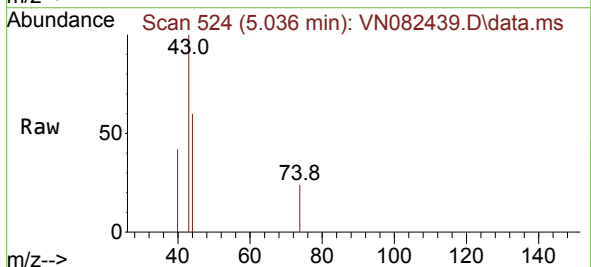
Instrument :
MSVOA_N
ClientSampleId :

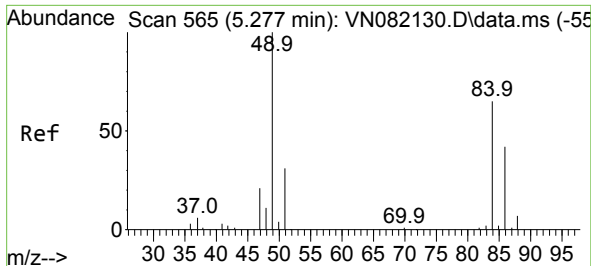
Tgt Ion: 43 Resp: 99637
Ion Ratio Lower Upper
43 100
58 27.8 25.2 37.8



#18
Methyl Acetate
Concen: 1.449 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

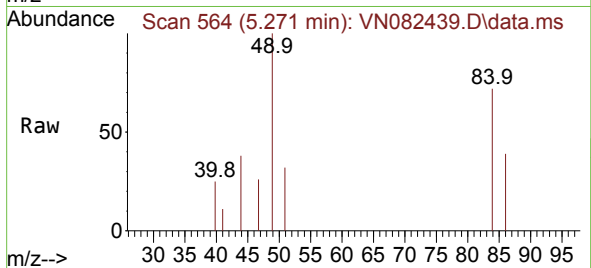
Tgt Ion: 43 Resp: 3714
Ion Ratio Lower Upper
43 100
74 8.9 22.2 33.2#



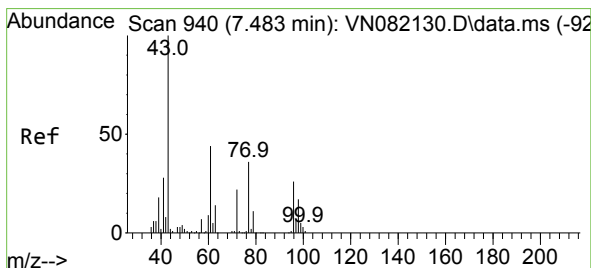
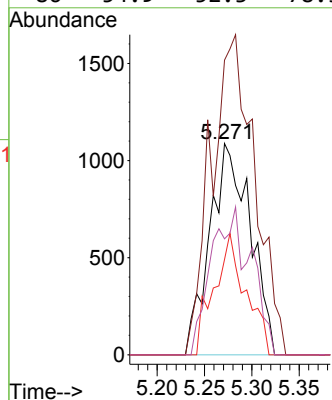


#20
Methylene Chloride
Concen: 1.555 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :

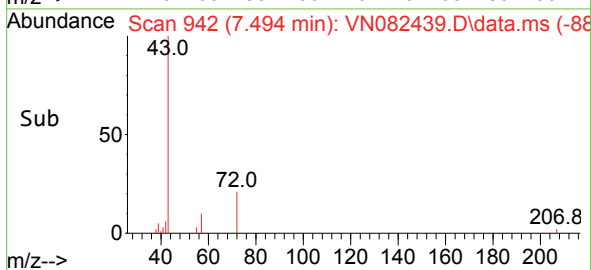
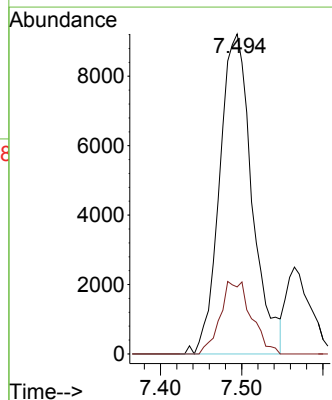
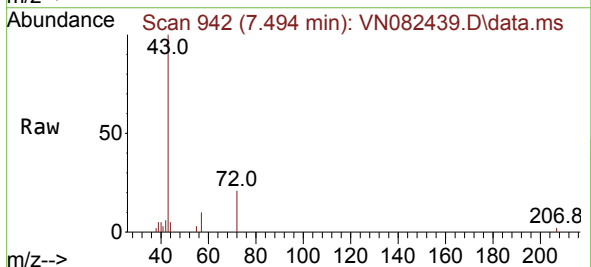


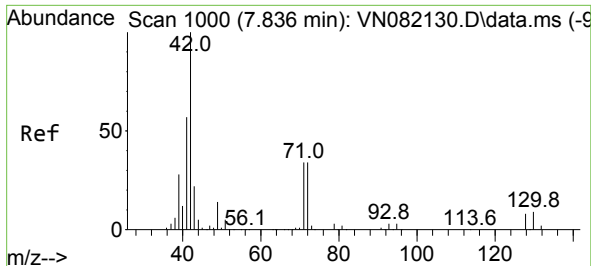
Tgt Ion:	84	Resp:	3229
Ion	Ratio	Lower	Upper
84	100		
49	139.4	84.9	127.3#
51	45.1	27.0	40.6#
86	54.9	52.3	78.5



#25
2-Butanone
Concen: 16.431 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Tgt Ion:	43	Resp:	25633
Ion	Ratio	Lower	Upper
43	100		
72	21.0	25.3	37.9#





#29

Tetrahydrofuran

Concen: 3.580 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.017 min

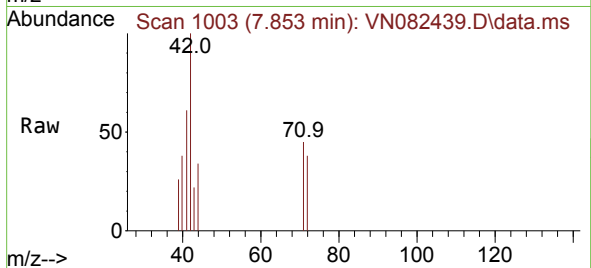
Lab File: VN082439.D

Acq: 03 Jun 2024 17:13

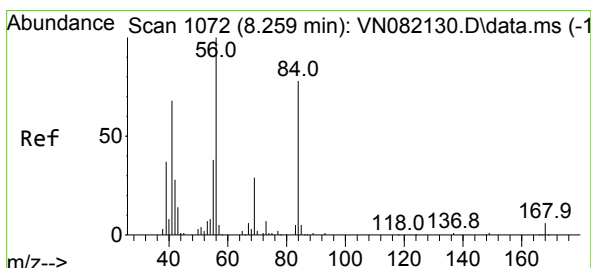
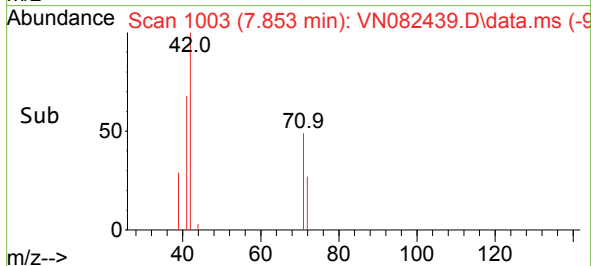
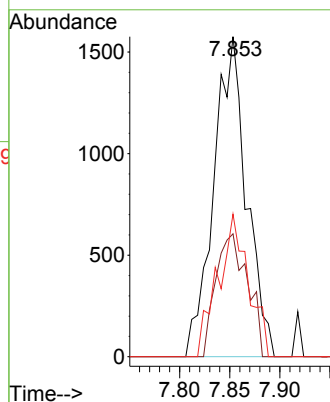
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	3586
Ion	Ratio	Lower	Upper
42	100		
72	37.1	39.3	58.9#
71	41.4	37.4	56.0



#31

Cyclohexane

Concen: 1.192 ug/l

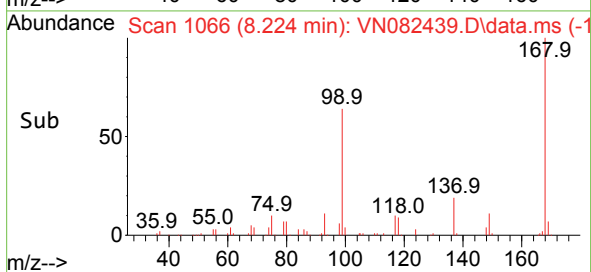
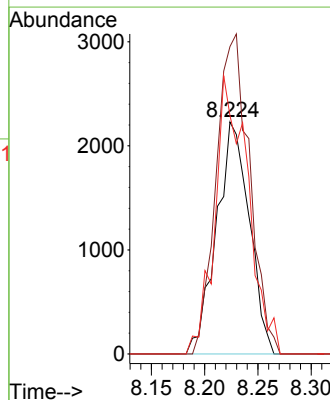
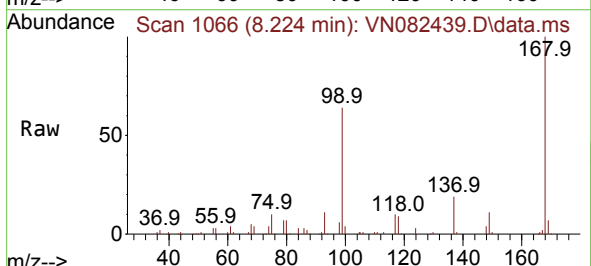
RT: 8.224 min Scan# 1066

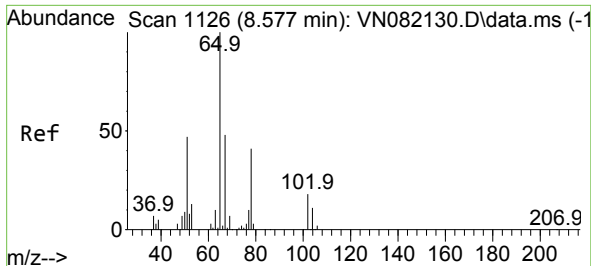
Delta R.T. -0.035 min

Lab File: VN082439.D

Acq: 03 Jun 2024 17:13

Tgt Ion:	56	Resp:	4776
Ion	Ratio	Lower	Upper
56	100		
69	132.5	24.4	36.6#
84	102.8	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 55.402 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082439.D

Acq: 03 Jun 2024 17:13

Instrument :

MSVOA_N

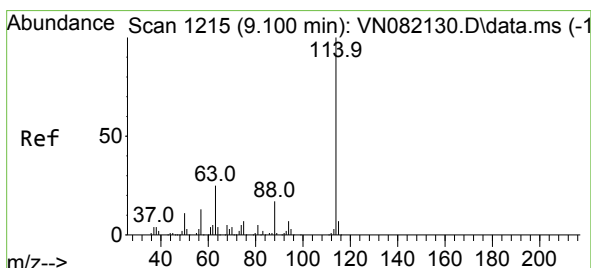
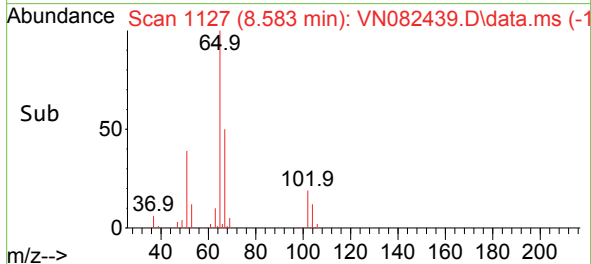
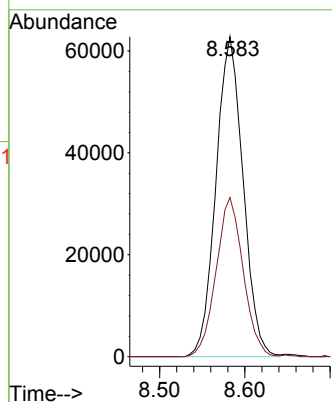
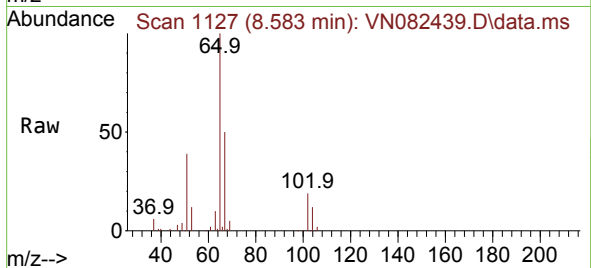
ClientSampleId :

Tgt Ion: 65 Resp: 138967

Ion Ratio Lower Upper

65 100

67 49.8 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: VN082439.D

Acq: 03 Jun 2024 17:13

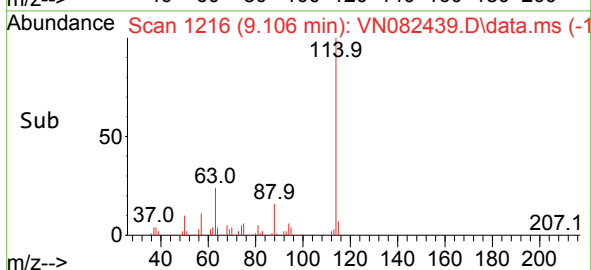
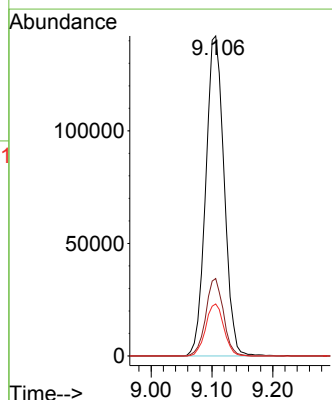
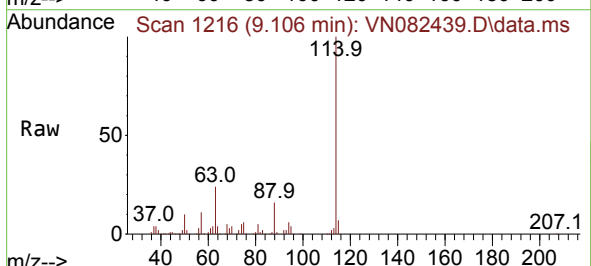
Tgt Ion:114 Resp: 297626

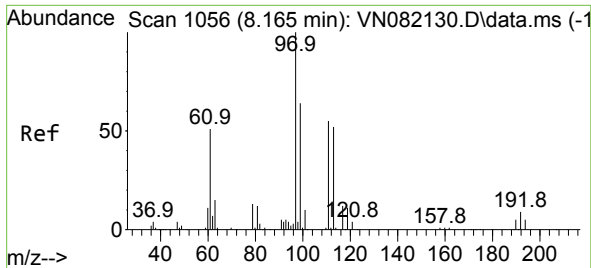
Ion Ratio Lower Upper

114 100

63 24.2 0.0 41.0

88 16.2 0.0 31.4

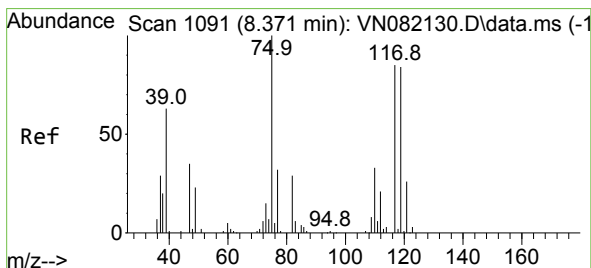
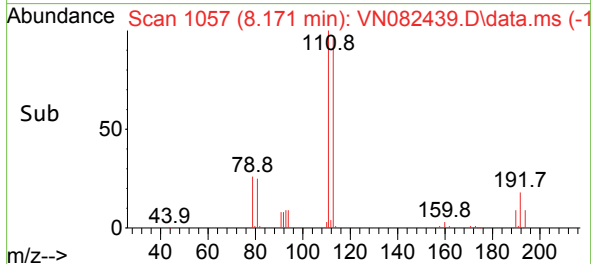
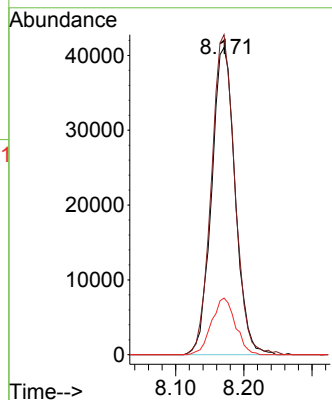
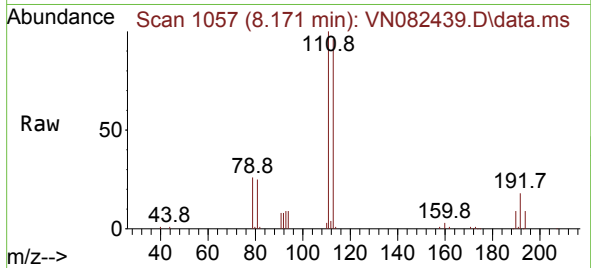




#35
Dibromofluoromethane
Concen: 54.004 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

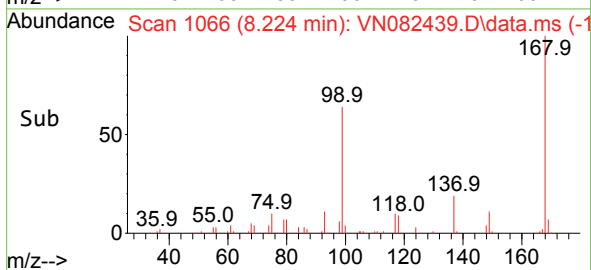
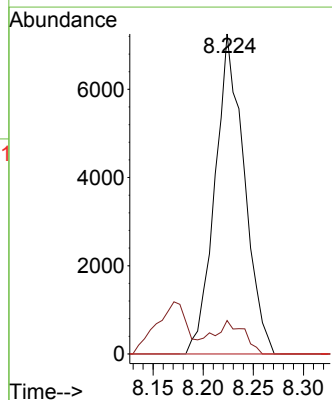
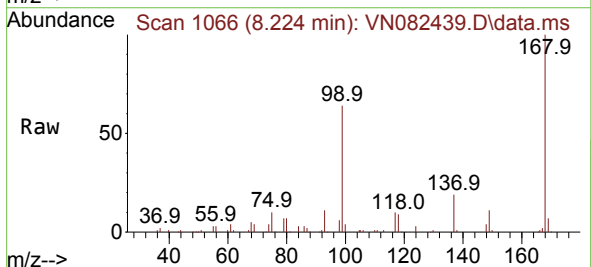
Instrument :
MSVOA_N
ClientSampleId :

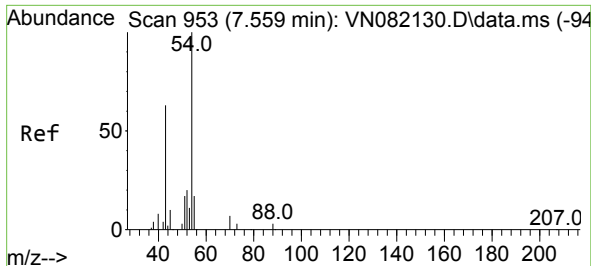
Tgt Ion:113 Resp: 98873
Ion Ratio Lower Upper
113 100
111 103.9 83.4 125.2
192 18.6 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.799 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

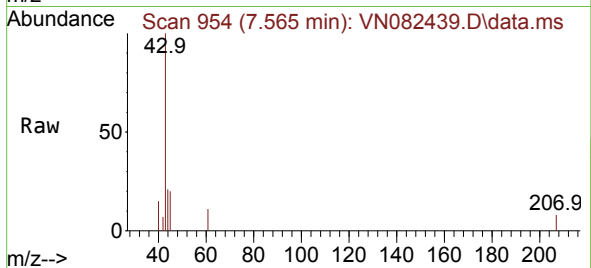
Tgt Ion: 75 Resp: 14736
Ion Ratio Lower Upper
75 100
110 11.0 17.8 53.5#
77 0.0 25.0 37.4#



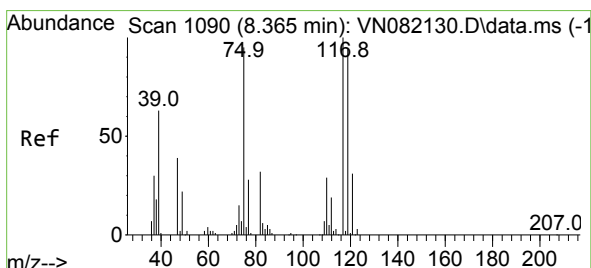
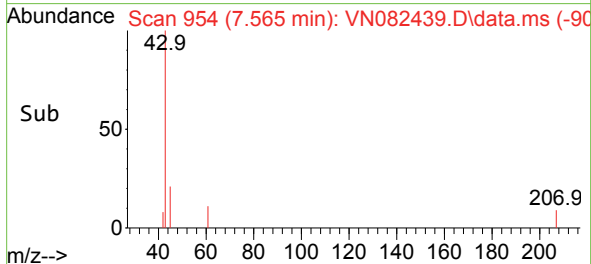
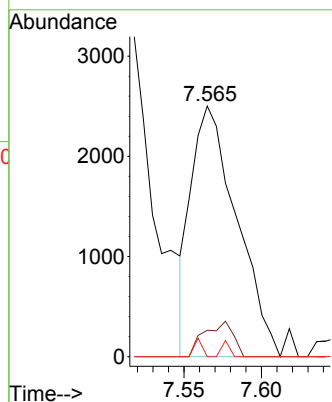


#37
Ethyl Acetate
Concen: 1.486 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :

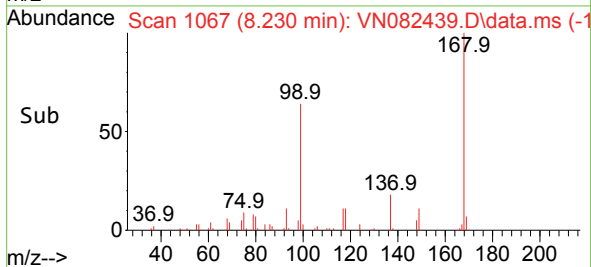
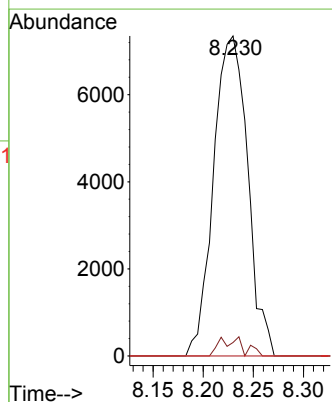
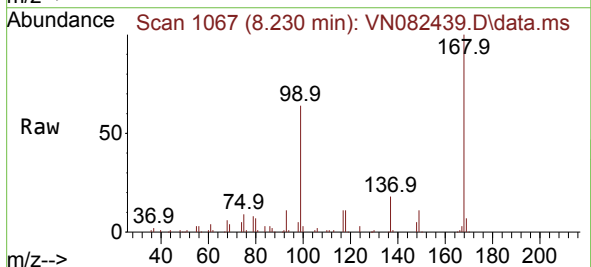


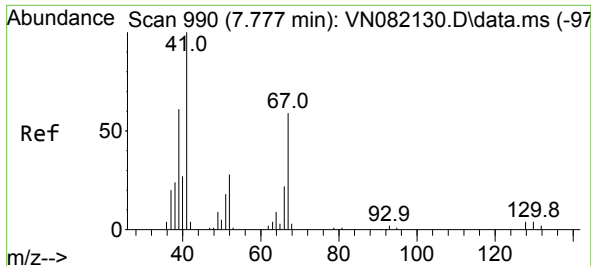
Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 1.3 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Tgt Ion: 117 Resp: 17397
Ion Ratio Lower Upper
117 100
119 4.2 76.5 114.7#
121 0.0 23.9 35.9#

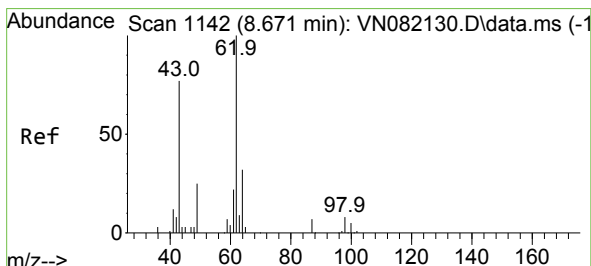
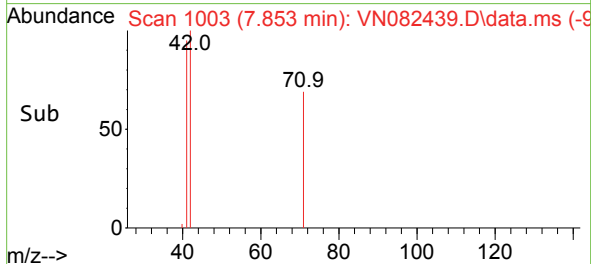
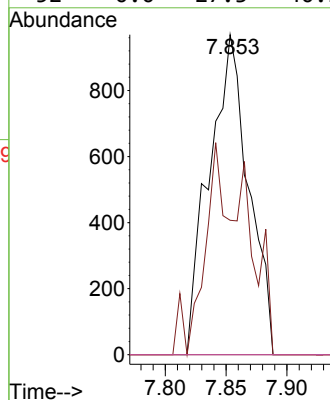
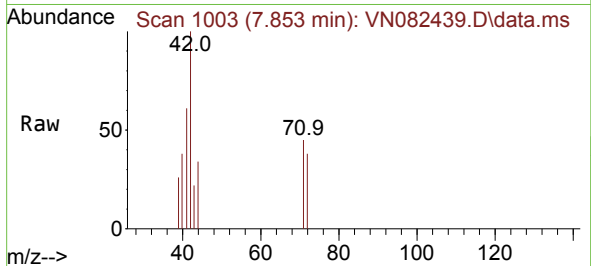




#41
Methacrylonitrile
Concen: 1.080 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.077 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

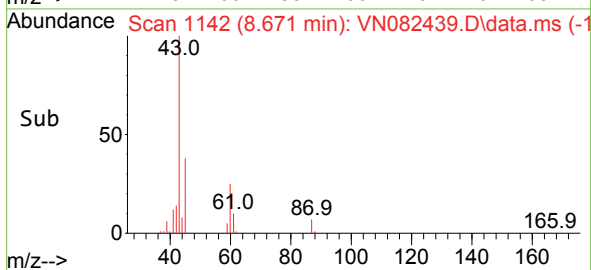
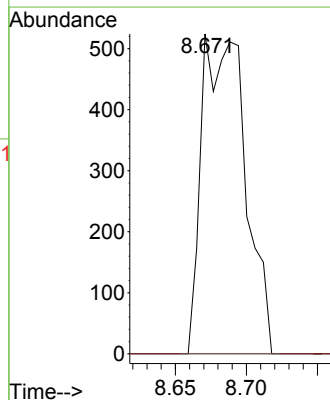
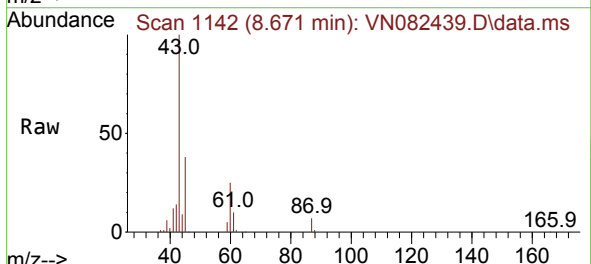
Instrument :
MSVOA_N
ClientSampleId :

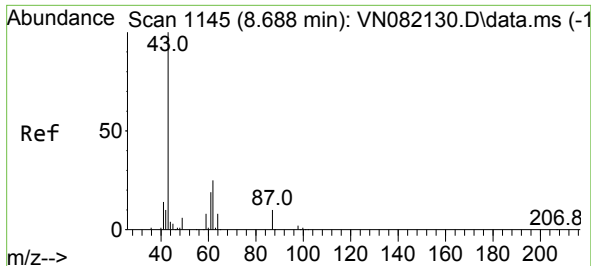
Tgt Ion: 41 Resp: 2183
Ion Ratio Lower Upper
41 100
39 45.5 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.318 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

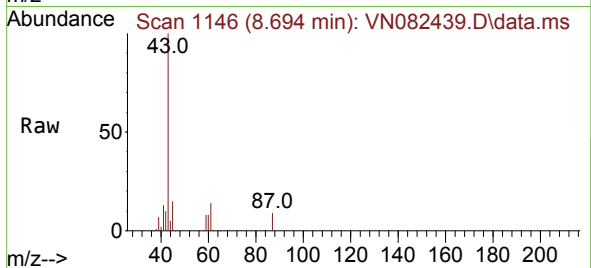
Tgt Ion: 62 Resp: 1119
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



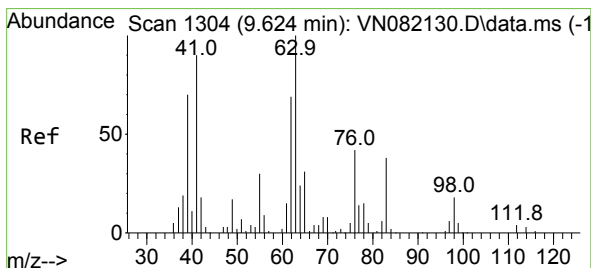
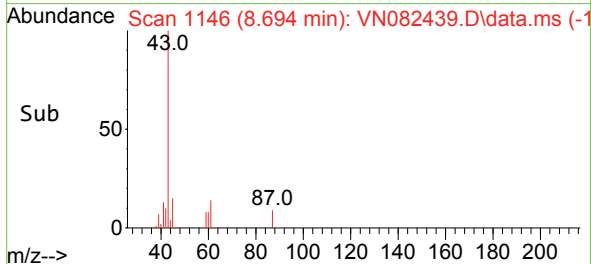
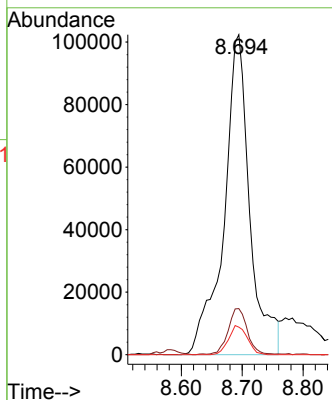


#43
Isopropyl Acetate
Concen: 49.619 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :

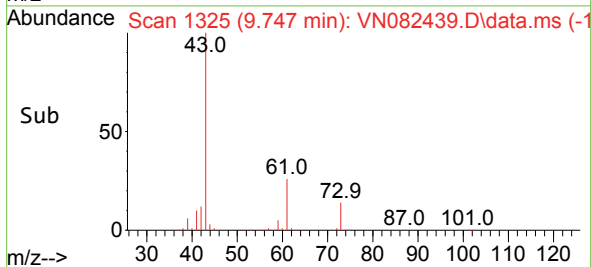
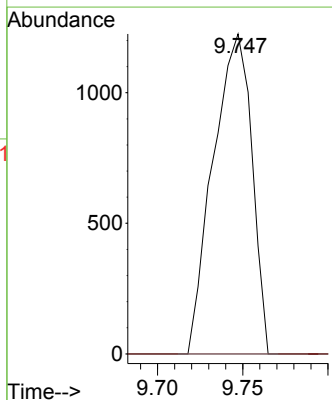
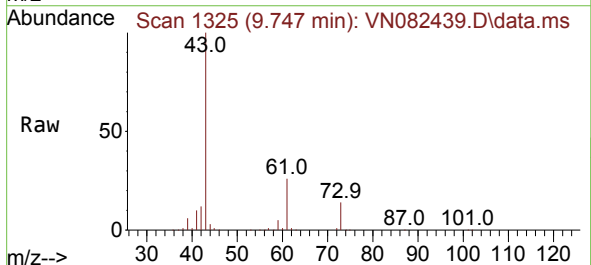


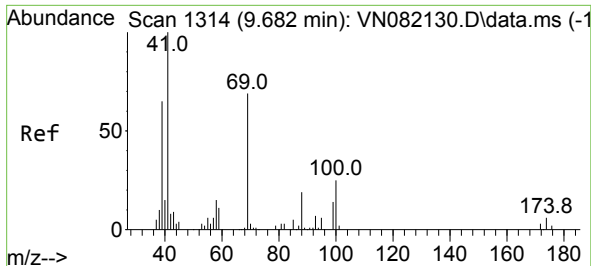
Tgt Ion: 43 Resp: 302134
Ion Ratio Lower Upper
43 100
61 10.9 22.8 34.2#
87 6.6 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.820 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Tgt Ion: 63 Resp: 1938
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

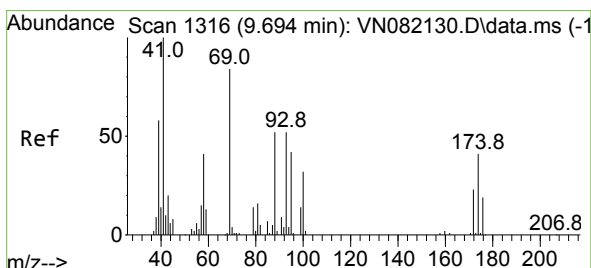
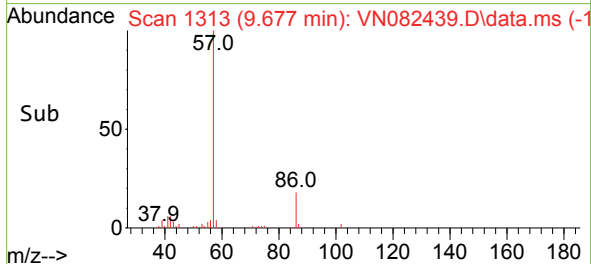
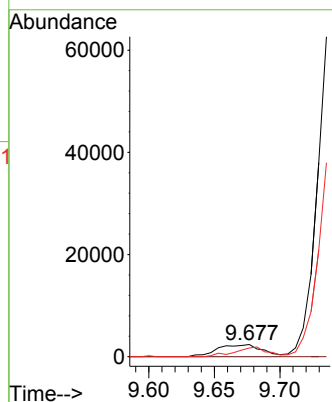
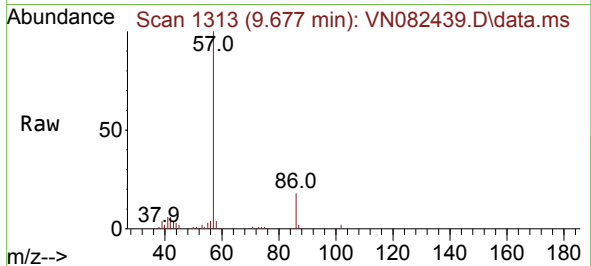




#48
Methyl methacrylate
Concen: 1.929 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

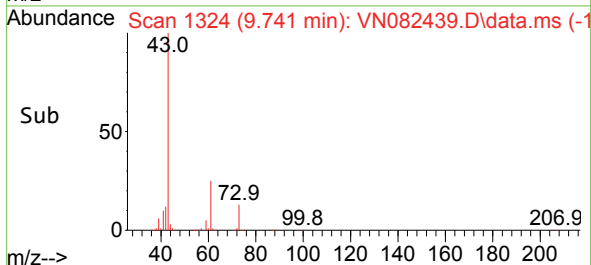
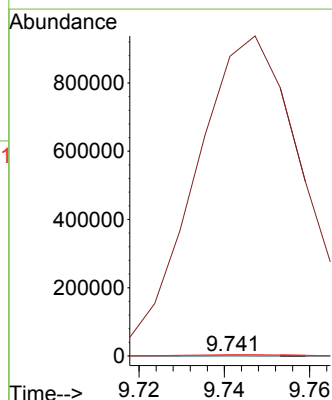
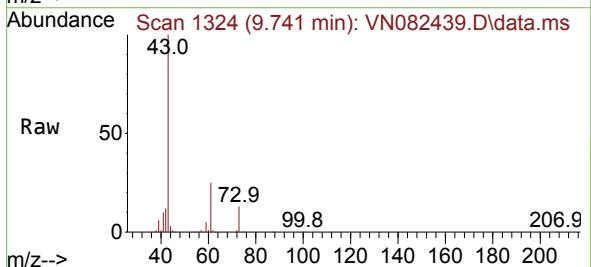
Instrument :
MSVOA_N
ClientSampleId :

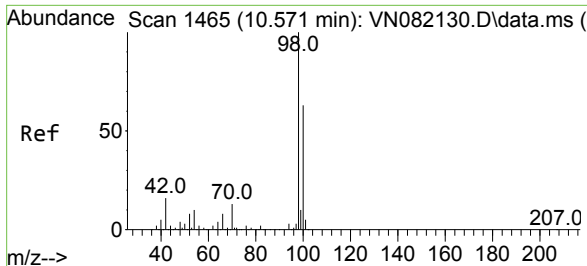
Tgt Ion: 41 Resp: 5597
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 58.0 50.9 76.3



#49
1,4-Dioxane
Concen: 3.050 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Tgt Ion: 88 Resp: 124
Ion Ratio Lower Upper
88 100
43 1371199.2 19.0 28.6#
58 5666.1 50.6 76.0#

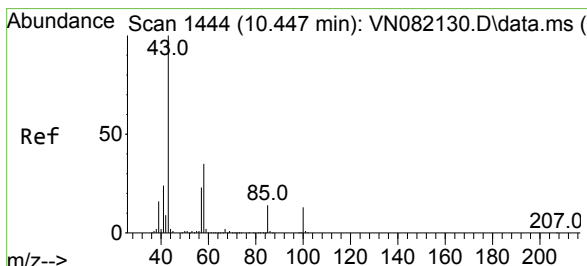
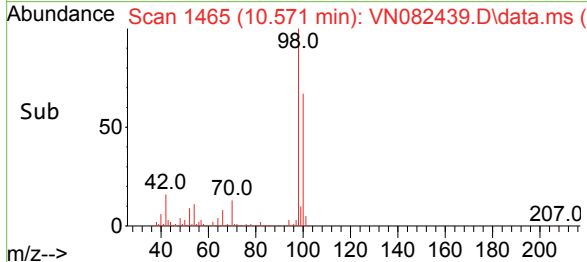
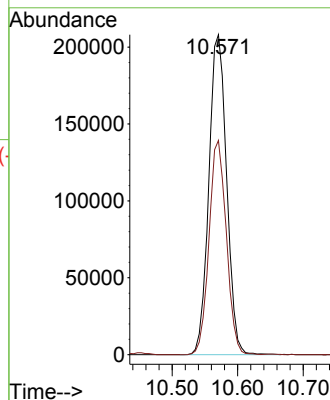
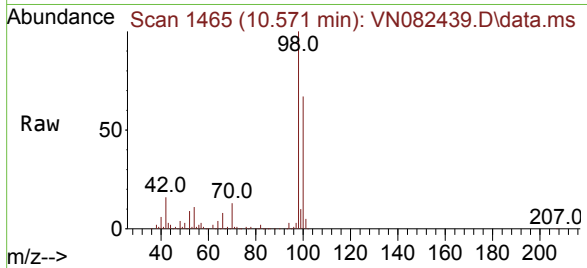




#50
Toluene-d8
Concen: 55.793 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

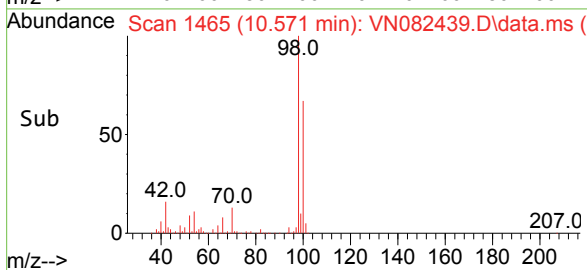
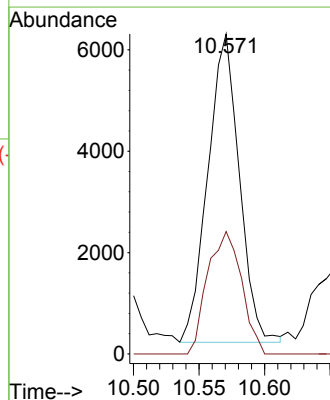
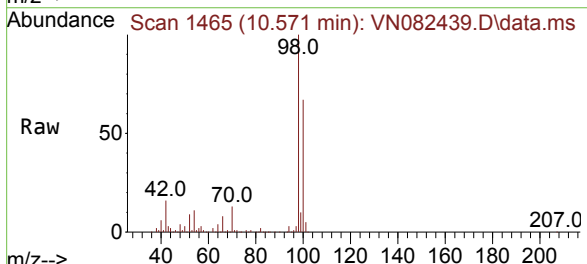
Instrument :
MSVOA_N
ClientSampleId :

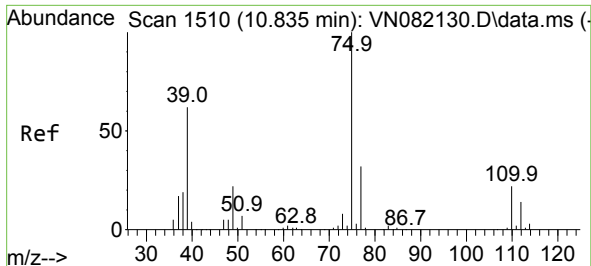
Tgt Ion: 98 Resp: 391631
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.931 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Tgt Ion: 43 Resp: 10141
Ion Ratio Lower Upper
43 100
58 42.9 33.2 49.8

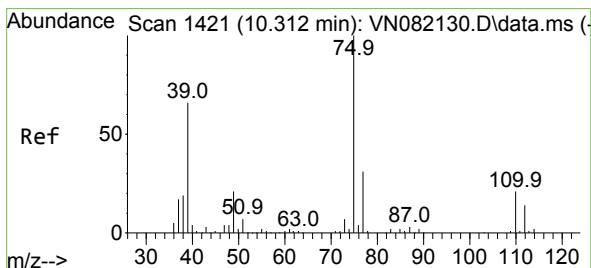
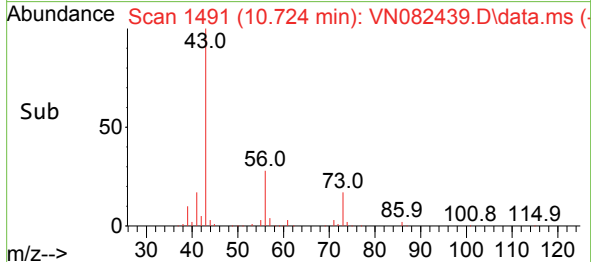
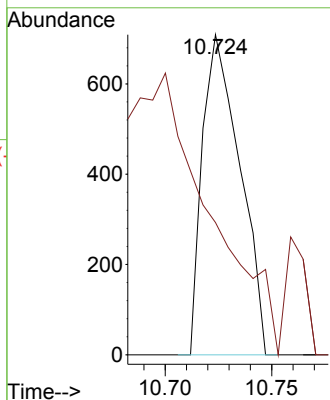
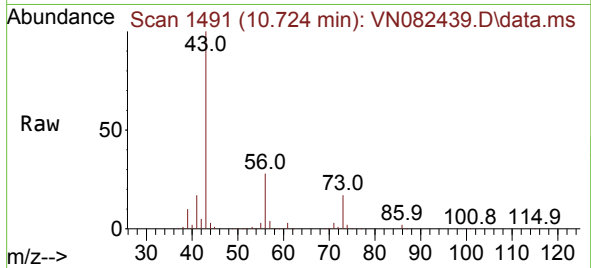




#53
 t-1,3-Dichloropropene
 Concen: 0.256 ug/l
 RT: 10.724 min Scan# 1491
 Delta R.T. -0.112 min
 Lab File: VN082439.D
 Acq: 03 Jun 2024 17:13

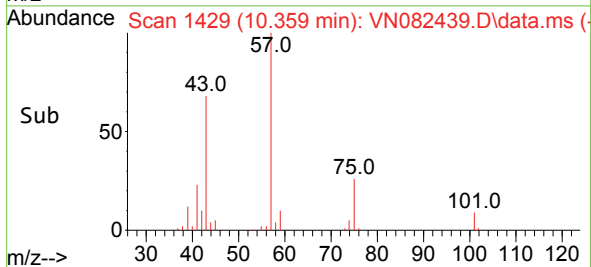
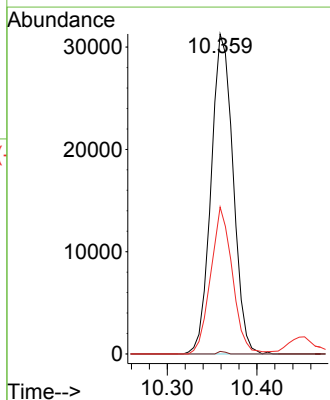
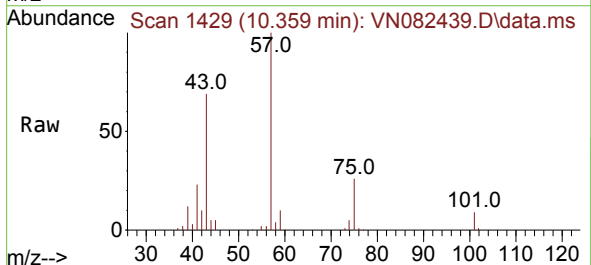
Instrument :
 MSVOA_N
 ClientSampleId :

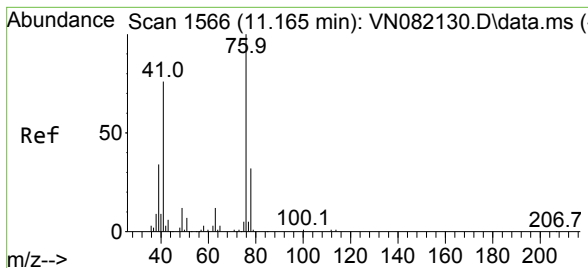
Tgt Ion: 75 Resp: 867
 Ion Ratio Lower Upper
 75 100
 77 41.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.873 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082439.D
 Acq: 03 Jun 2024 17:13

Tgt Ion: 75 Resp: 53316
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.0 37.4#
 39 45.9 34.8 52.2





#57

1,3-Dichloropropane

Concen: 1.857 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082439.D

Acq: 03 Jun 2024 17:13

Instrument :

MSVOA_N

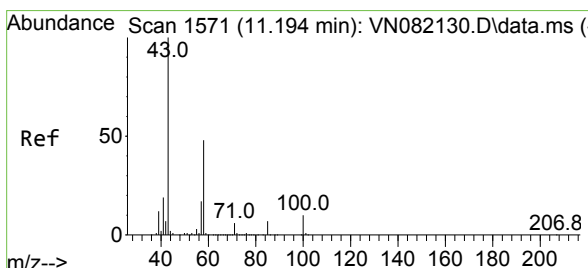
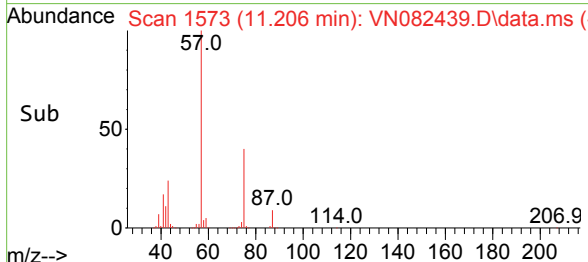
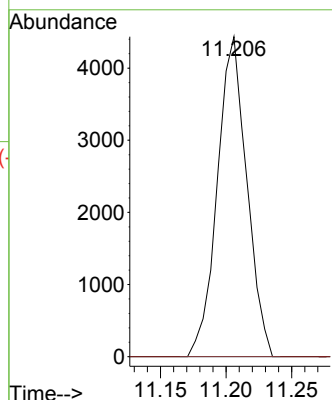
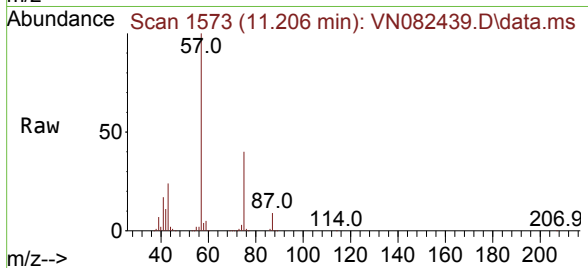
ClientSampleId :

Tgt Ion: 76 Resp: 6932

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 40.518 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.012 min

Lab File: VN082439.D

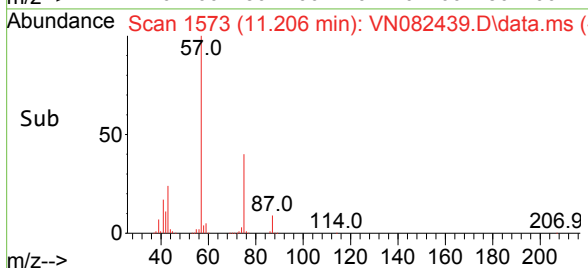
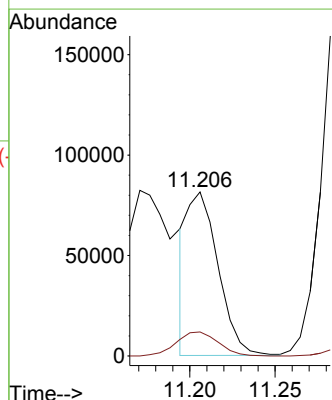
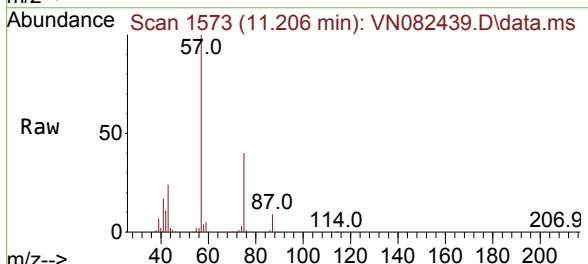
Acq: 03 Jun 2024 17:13

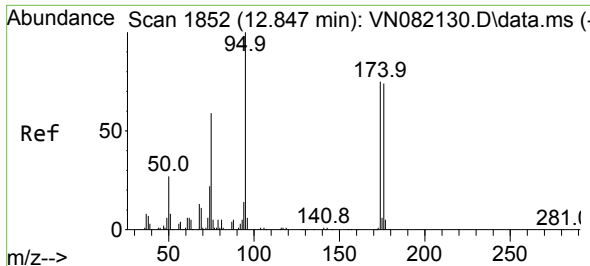
Tgt Ion: 43 Resp: 102638

Ion Ratio Lower Upper

43 100

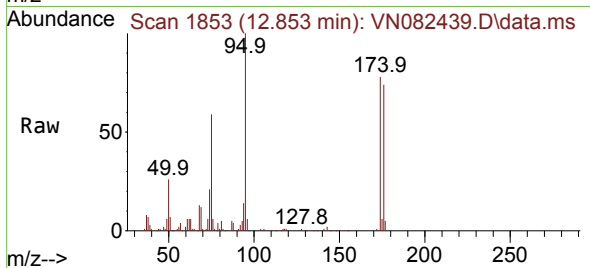
58 20.0 28.3 84.9#



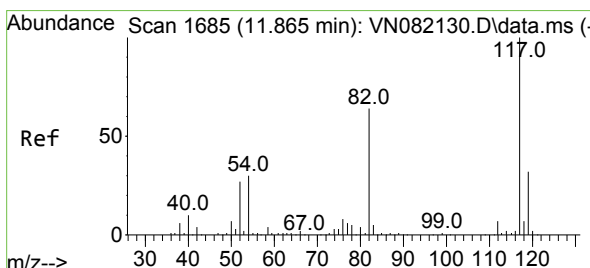
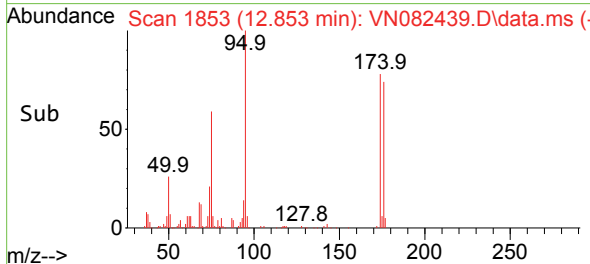
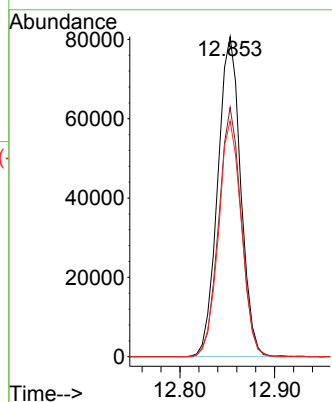


#62
4-Bromofluorobenzene
Concen: 54.146 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Instrument :
MSVOA_N
ClientSampleId :

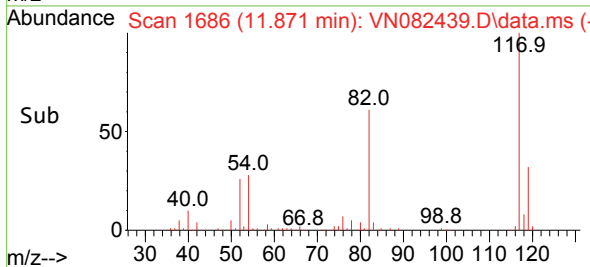
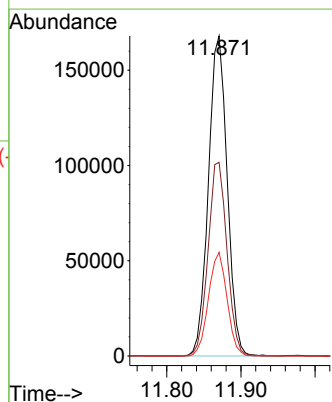
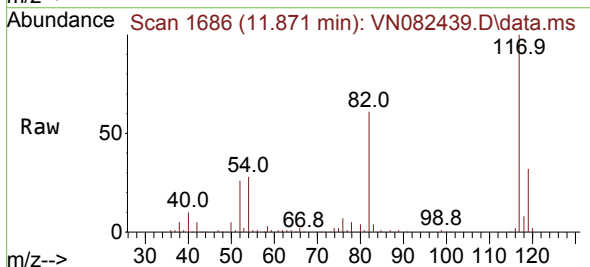


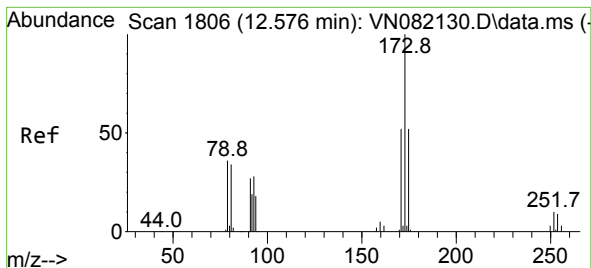
Tgt Ion: 95 Resp: 135656
Ion Ratio Lower Upper
95 100
174 76.7 0.0 160.6
176 73.5 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

Tgt Ion: 117 Resp: 295736
Ion Ratio Lower Upper
117 100
82 60.5 44.6 66.8
119 32.4 25.9 38.9





#71

Bromoform

Concen: 0.833 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN082439.D

Acq: 03 Jun 2024 17:13

Instrument :

MSVOA_N

ClientSampleId :

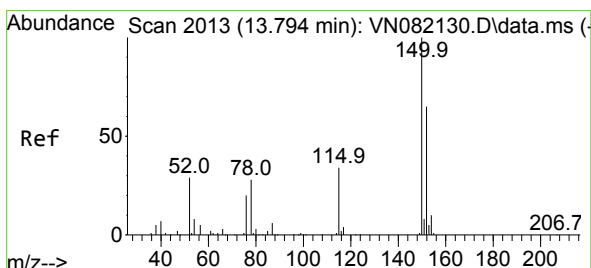
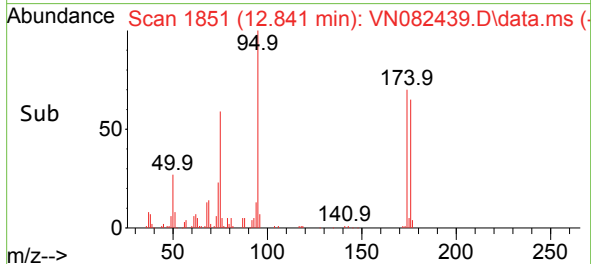
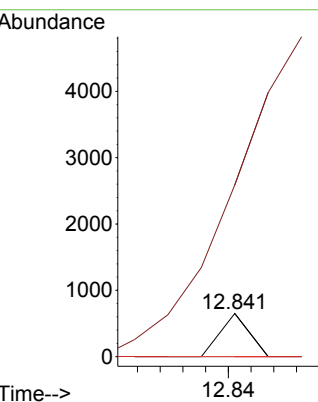
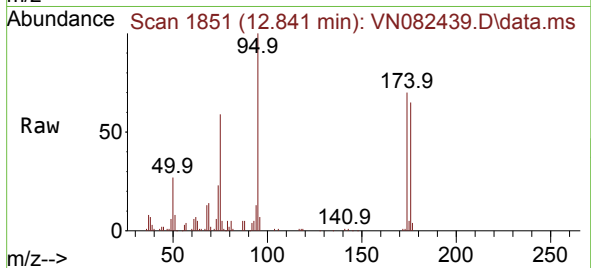
Tgt Ion:173 Resp: 229

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# 2013

Delta R.T. 0.000 min

Lab File: VN082439.D

Acq: 03 Jun 2024 17:13

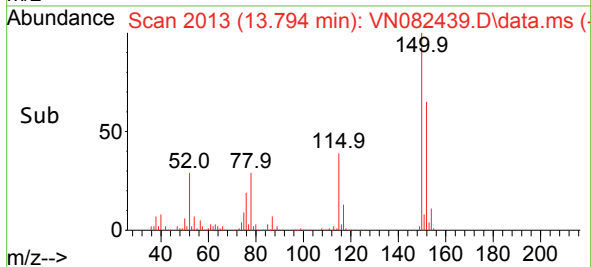
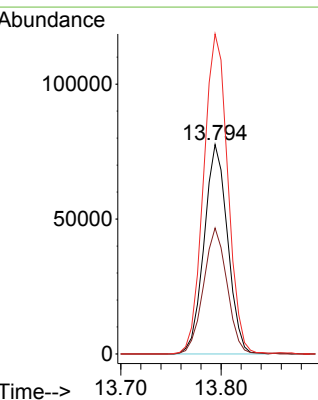
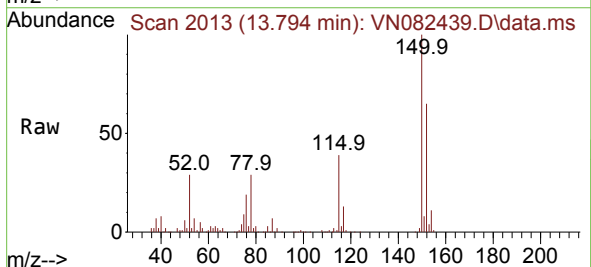
Tgt Ion:152 Resp: 125997

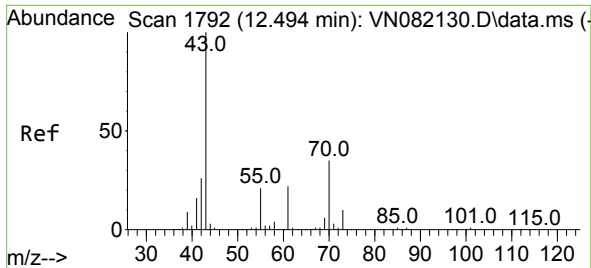
Ion Ratio Lower Upper

152 100

115 60.5 30.4 91.3

150 157.5 0.0 353.2

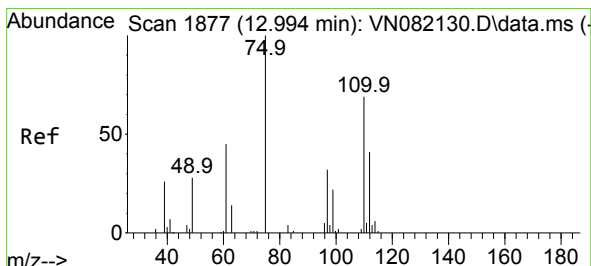
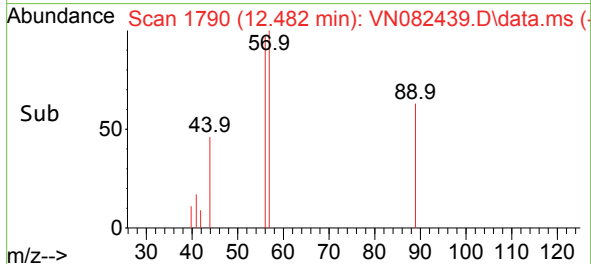
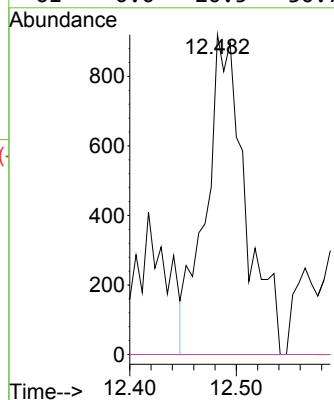
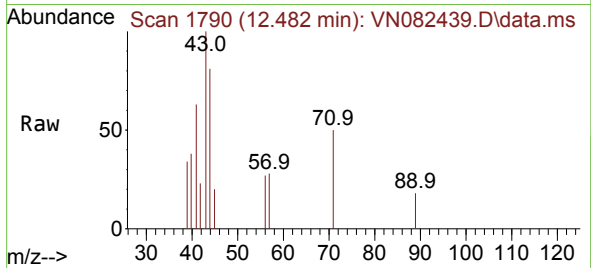




#74
N-amy1 acetate
Concen: 0.430 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

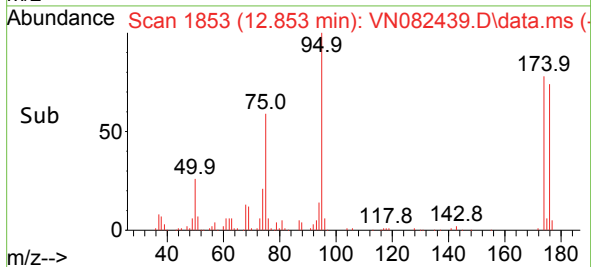
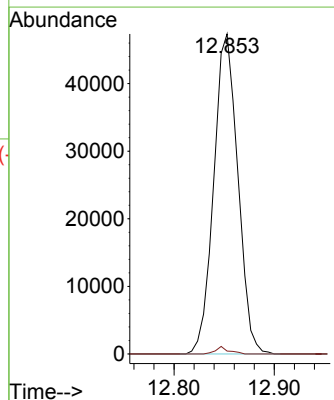
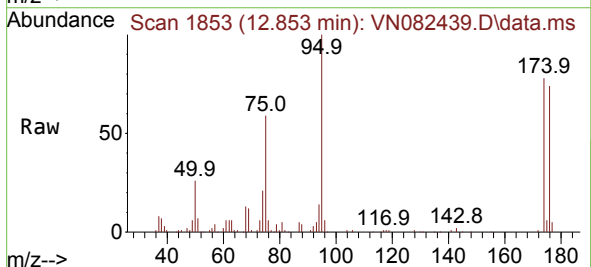
Instrument :
MSVOA_N
ClientSampleId :

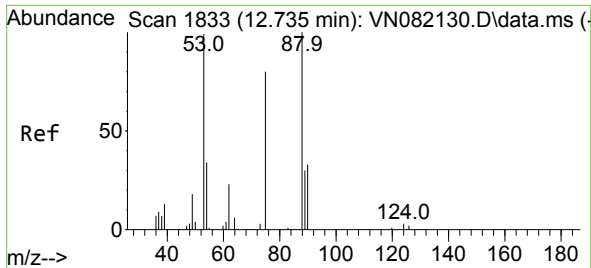
Tgt Ion:	43	Resp:	2368
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	0.0	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 29.740 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082439.D
Acq: 03 Jun 2024 17:13

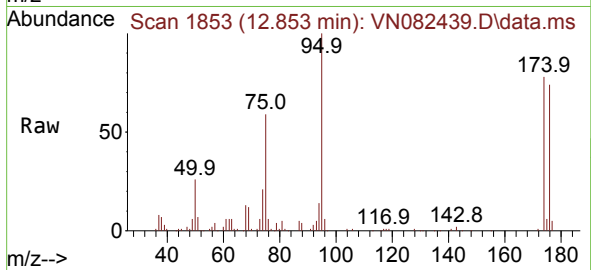
Tgt Ion:	75	Resp:	78868
Ion	Ratio	Lower	Upper
75	100		
77	1.2	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.560 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082439.D
 Acq: 03 Jun 2024 17:13

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 78868
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.0 39.1 58.7#

