

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061924\
 Data File : VN082645.D
 Acq On : 19 Jun 2024 16:50
 Operator : JC\MD
 Sample : P2916-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

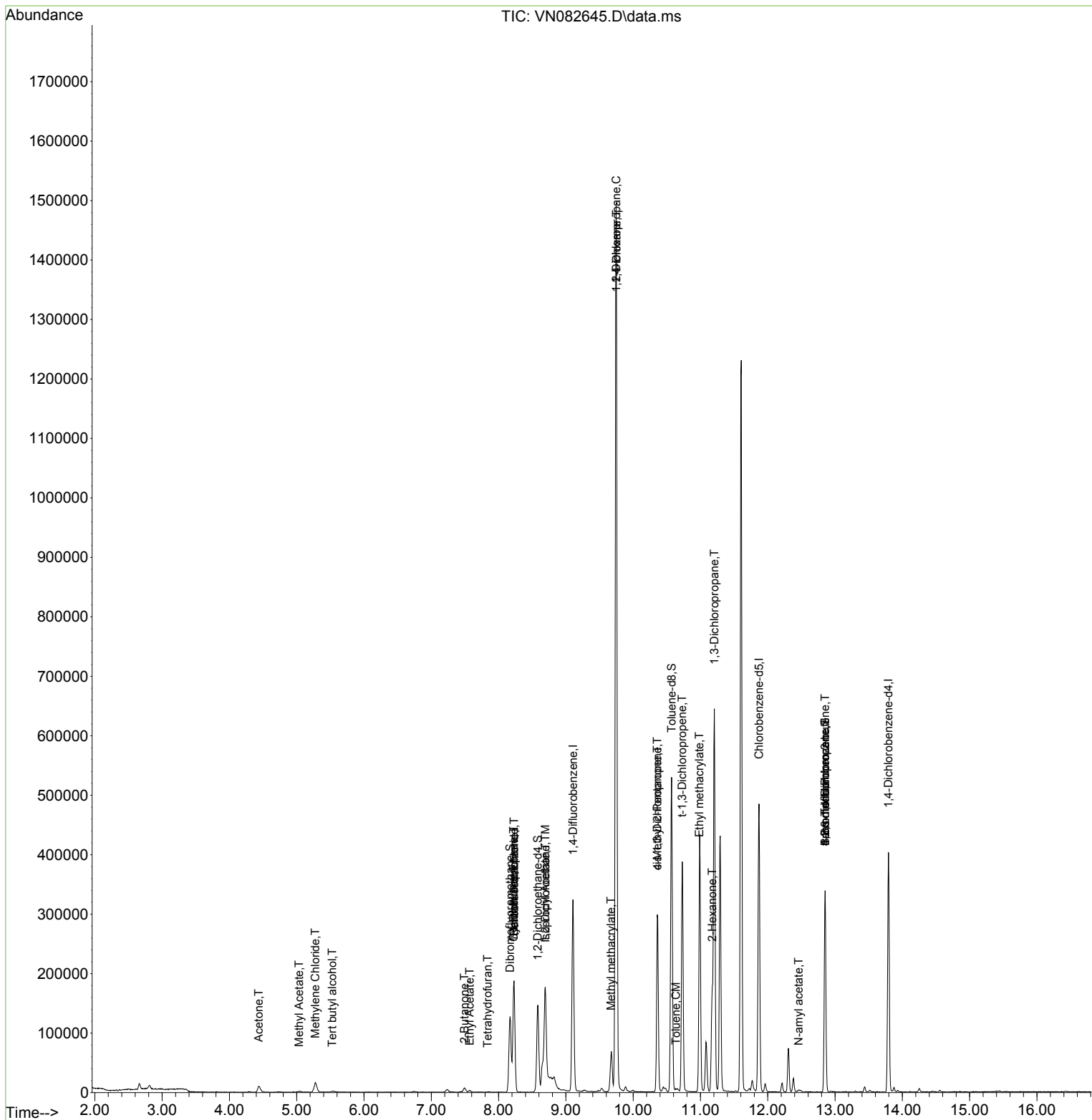
Quant Time: Jun 20 03:03:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

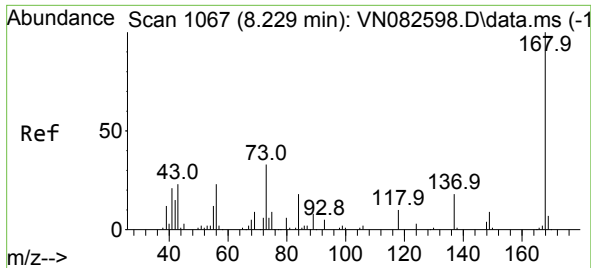
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	130640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249229	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	258191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118520	56.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.140%			
35) Dibromofluoromethane	8.171	113	88510	52.350	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.700%			
50) Toluene-d8	10.570	98	332025	51.929	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.853	95	106610	48.363	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.720%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	1100	3.208	ug/l #	71
16) Acetone	4.436	43	20479	21.494	ug/l	93
18) Methyl Acetate	5.036	43	3677	1.578	ug/l #	64
20) Methylene Chloride	5.277	84	10882	6.496	ug/l	95
25) 2-Butanone	7.494	43	12677	9.361	ug/l	95
29) Tetrahydrofuran	7.835	42	250	0.302	ug/l #	38
31) Cyclohexane	8.224	56	3501	1.158	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	11936	4.723	ug/l #	49
37) Ethyl Acetate	7.571	43	4303	1.337	ug/l #	87
38) Carbon Tetrachloride	8.229	117	13115	4.604	ug/l #	17
42) 1,2-Dichloroethane	8.694	62	973	0.328	ug/l #	78
43) Isopropyl Acetate	8.694	43	254737	42.338	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1567	0.780	ug/l #	44
48) Methyl methacrylate	9.671	41	5139	2.072	ug/l #	53
49) 1,4-Dioxane	9.753	88	55	1.418	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	118425	38.374	ug/l #	50
52) Toluene	10.635	92	1556	0.329	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	706	0.238	ug/l #	73
54) cis-1,3-Dichloropropene	10.359	75	45583	14.842	ug/l #	71
56) Ethyl methacrylate	10.982	69	2185	0.770	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5748	1.815	ug/l #	43
59) 2-Hexanone	11.176	43	128394	54.739	ug/l #	28
71) Bromoform	12.853	173	816	0.489	ug/l #	1
74) N-amyl acetate	12.459	43	4037	0.988	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	61355	24.888	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61355	59.542	ug/l #	6

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

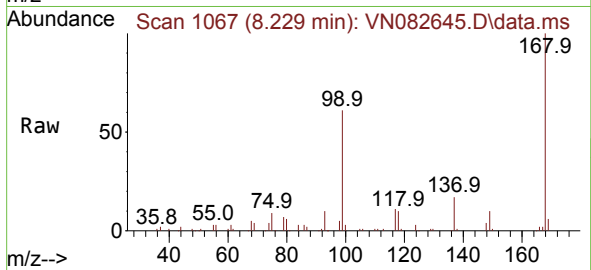
Quant Time: Jun 20 03:03:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
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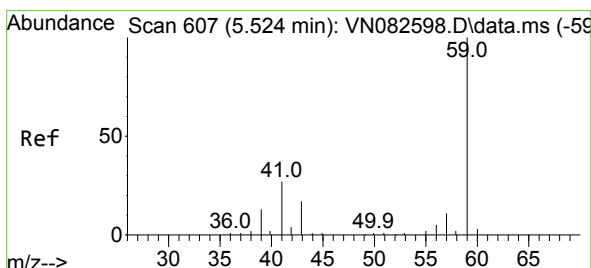
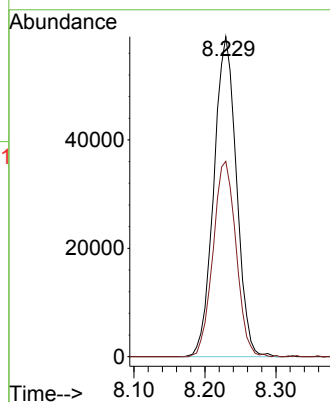
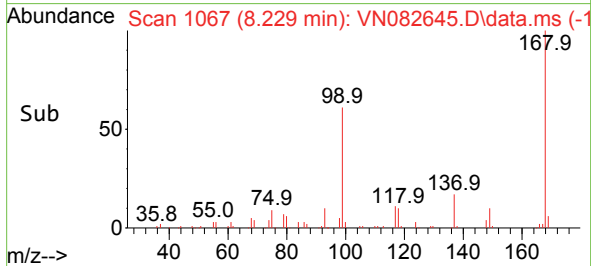


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. 0.000 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

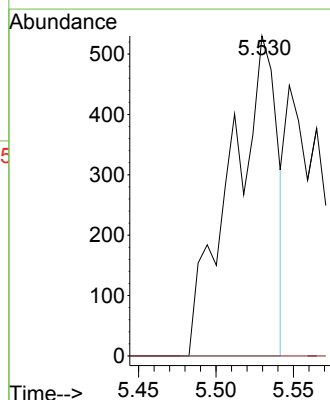
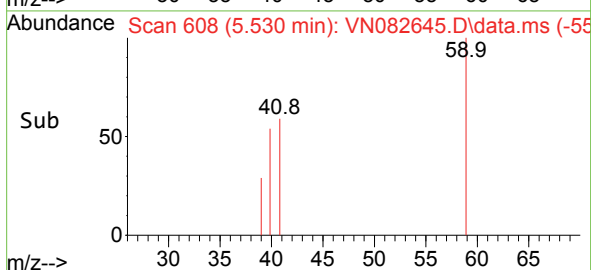
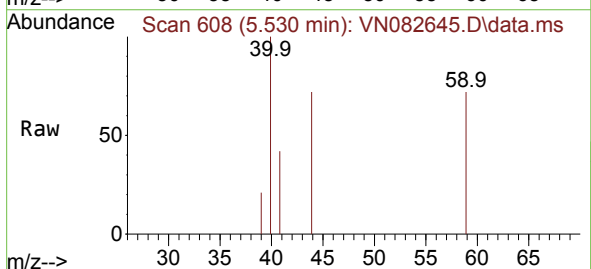


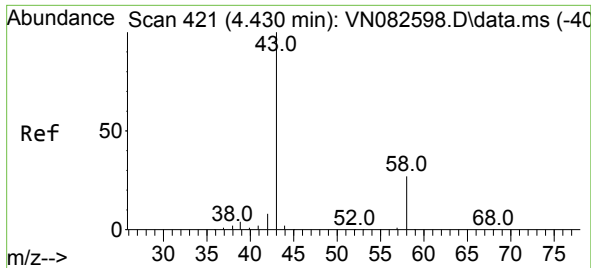
Tgt Ion:168 Resp: 130640
Ion Ratio Lower Upper
168 100
99 61.1 48.2 72.4



#11
Tert butyl alcohol
Concen: 3.208 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Tgt Ion: 59 Resp: 1100
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#





#16

Acetone

Concen: 21.494 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Instrument :

MSVOA_N

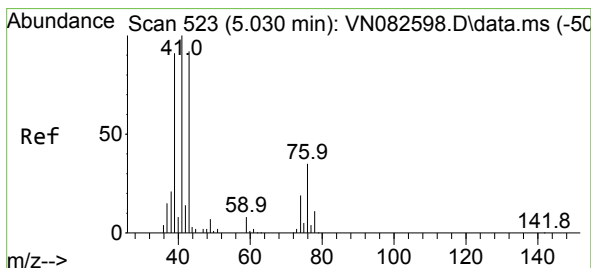
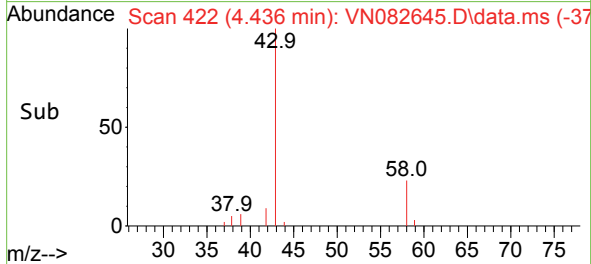
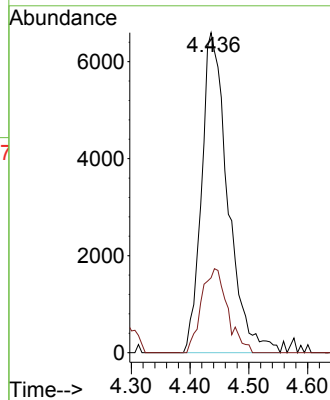
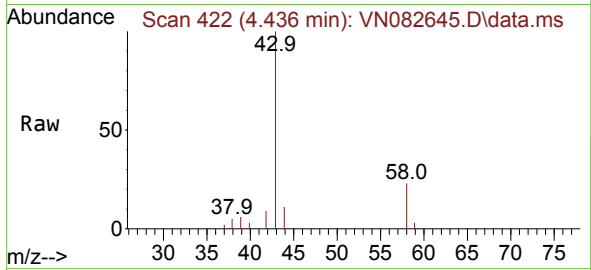
ClientSampleId :

Tgt Ion: 43 Resp: 20479

Ion Ratio Lower Upper

43 100

58 23.4 21.8 32.6



#18

Methyl Acetate

Concen: 1.578 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.006 min

Lab File: VN082645.D

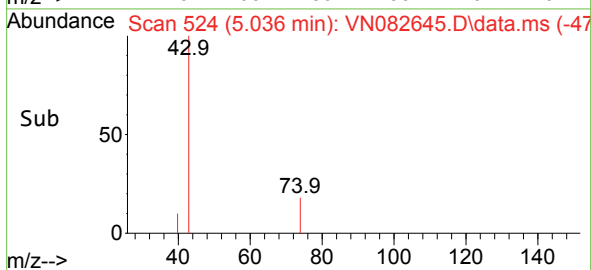
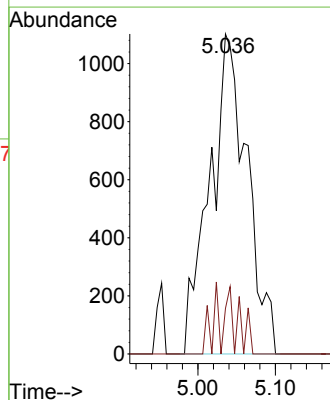
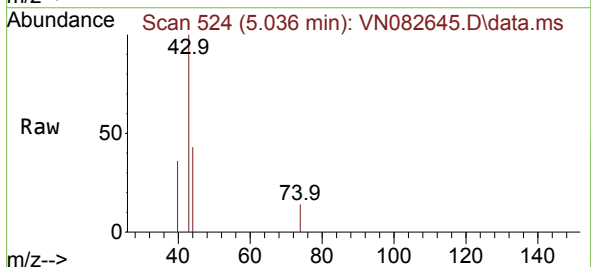
Acq: 19 Jun 2024 16:50

Tgt Ion: 43 Resp: 3677

Ion Ratio Lower Upper

43 100

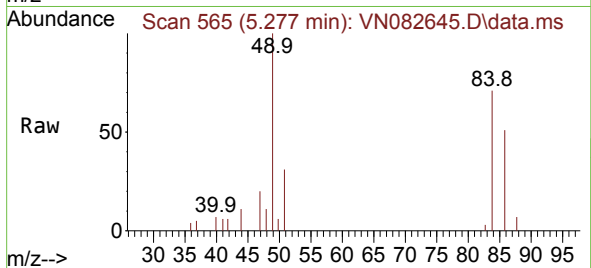
74 3.7 16.3 24.5#



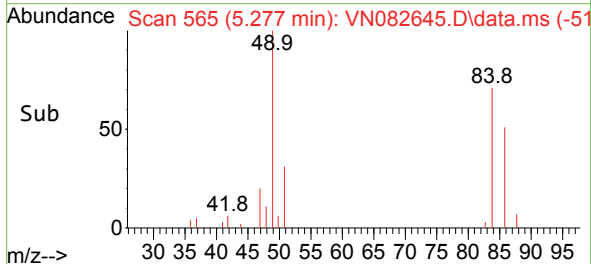
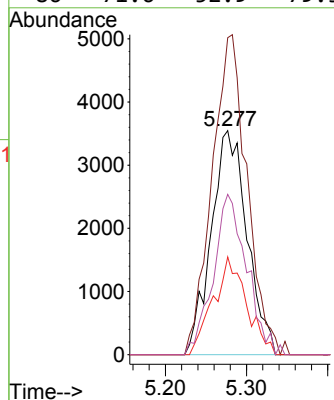


#20
Methylene Chloride
Concen: 6.496 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

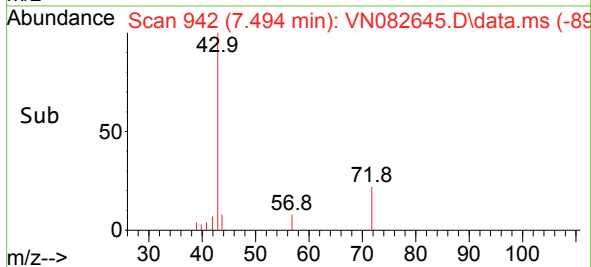
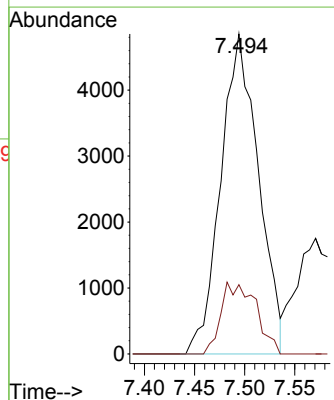
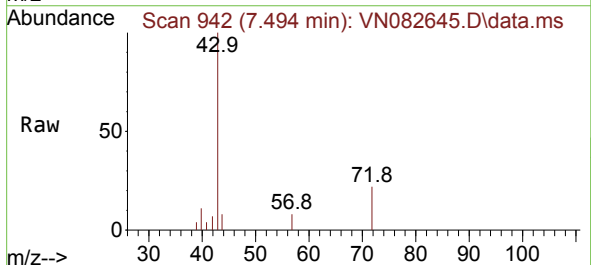


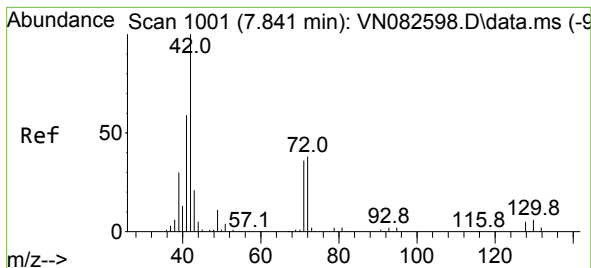
Tgt Ion:	84	Resp:	10882
Ion	Ratio	Lower	Upper
84	100		
49	141.5	119.6	179.4
51	43.7	34.8	52.2
86	71.6	52.9	79.3



#25
2-Butanone
Concen: 9.361 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Tgt Ion:	43	Resp:	12677
Ion	Ratio	Lower	Upper
43	100		
72	20.1	18.2	27.2





#29

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.006 min

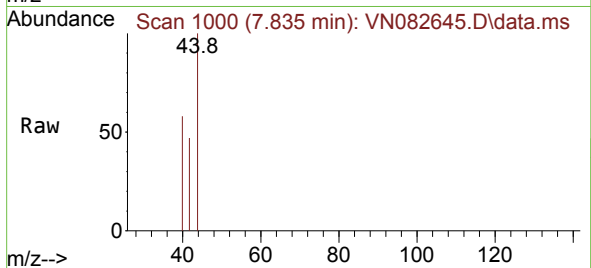
Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

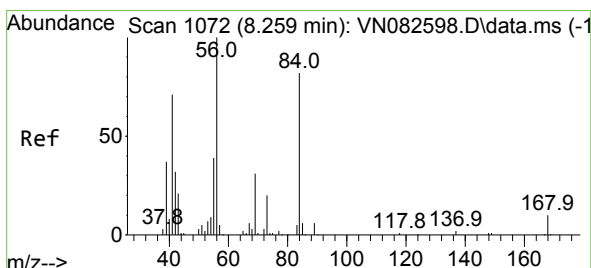
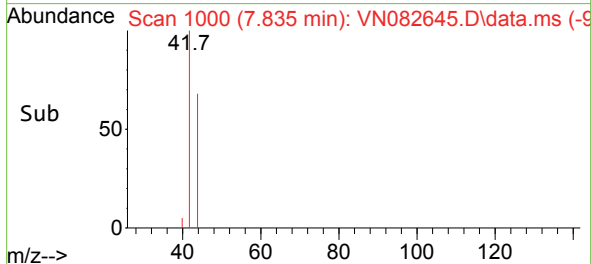
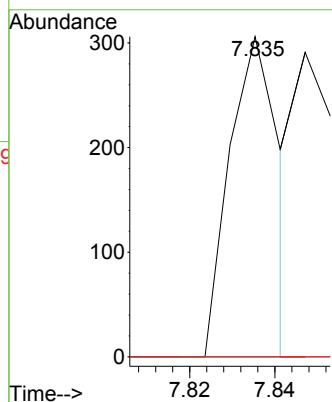
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	250
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.0	45.0#
71	0.0	28.3	42.5#



#31

Cyclohexane

Concen: 1.158 ug/l

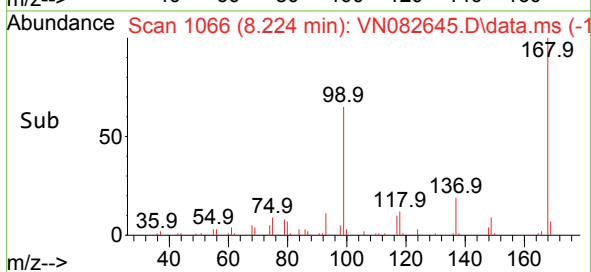
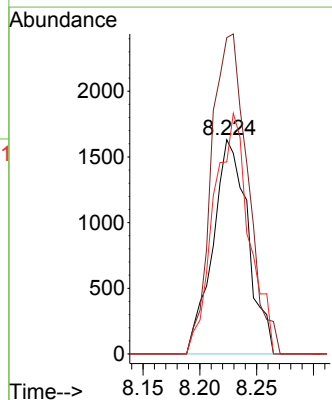
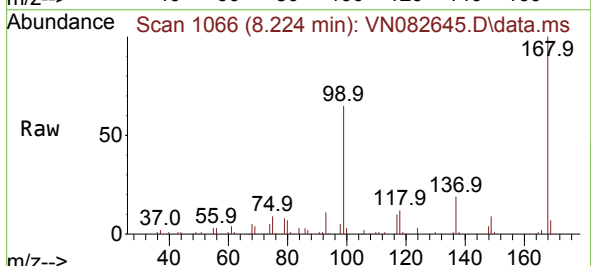
RT: 8.224 min Scan# 1066

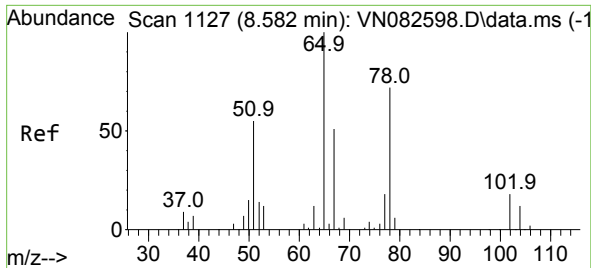
Delta R.T. -0.035 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Tgt Ion:	56	Resp:	3501
Ion	Ratio	Lower	Upper
56	100		
69	147.6	24.5	36.7#
84	89.6	66.0	99.0

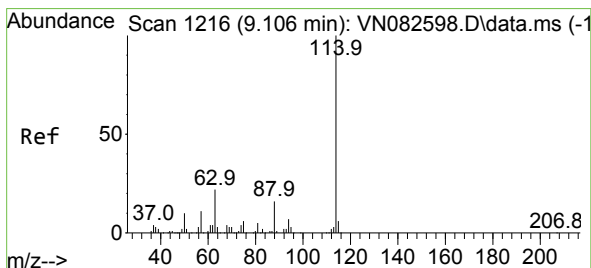
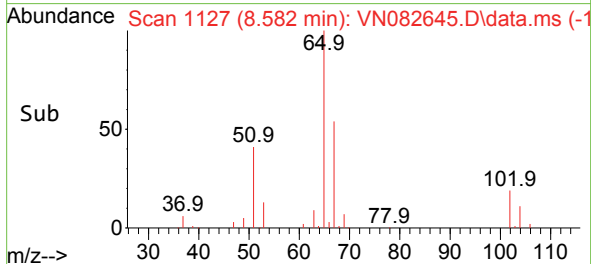
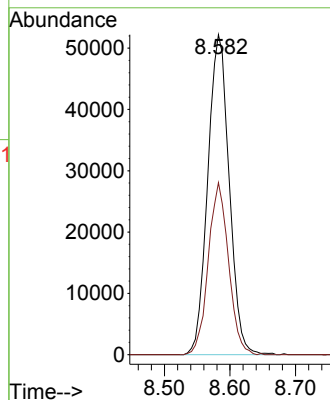
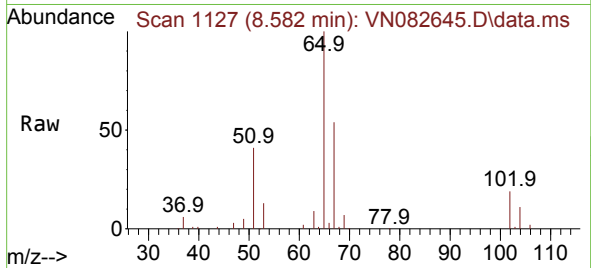




#33
 1,2-Dichloroethane-d4
 Concen: 56.573 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082645.D
 Acq: 19 Jun 2024 16:50

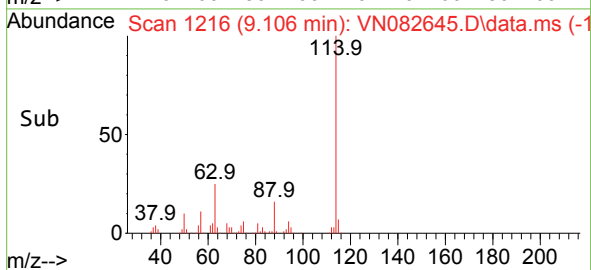
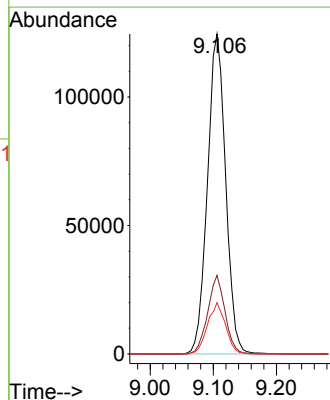
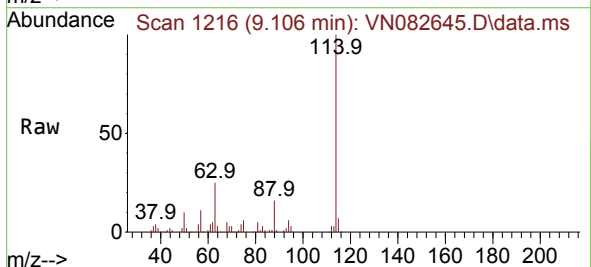
Instrument :
 MSVOA_N
 ClientSampleId :

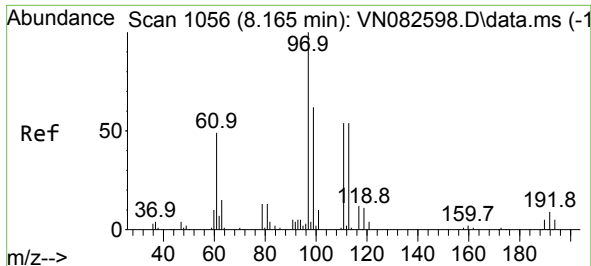
Tgt Ion: 65 Resp: 118520
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082645.D
 Acq: 19 Jun 2024 16:50

Tgt Ion: 114 Resp: 249229
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 44.6
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.350 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

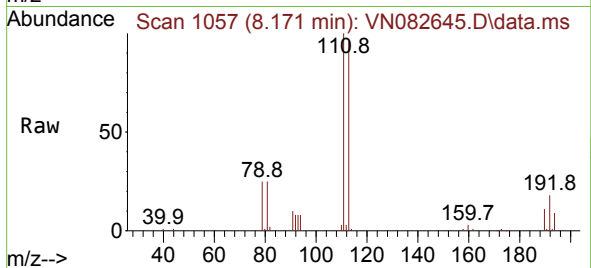
Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :



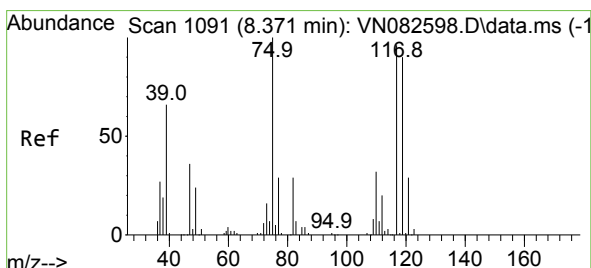
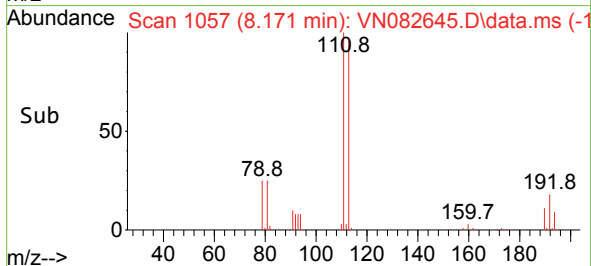
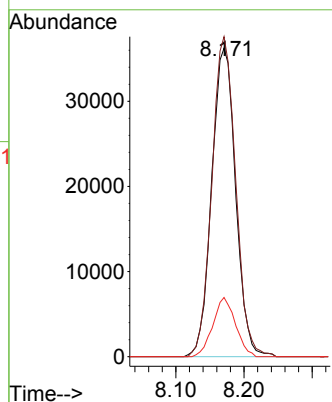
Tgt Ion:113 Resp: 88510

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

192 18.1 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.723 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

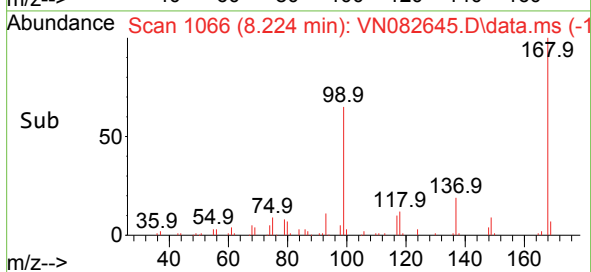
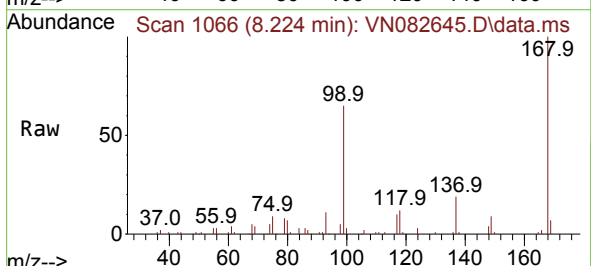
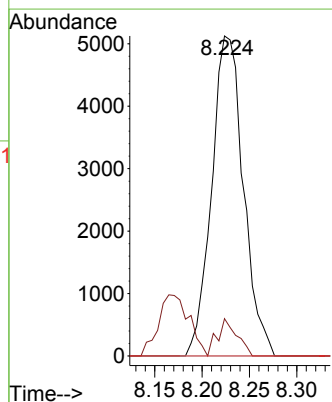
Tgt Ion: 75 Resp: 11936

Ion Ratio Lower Upper

75 100

110 7.1 16.3 48.9#

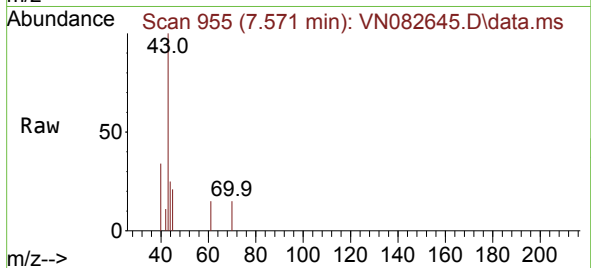
77 0.0 24.6 37.0#



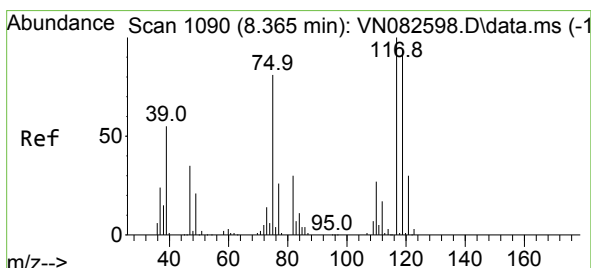
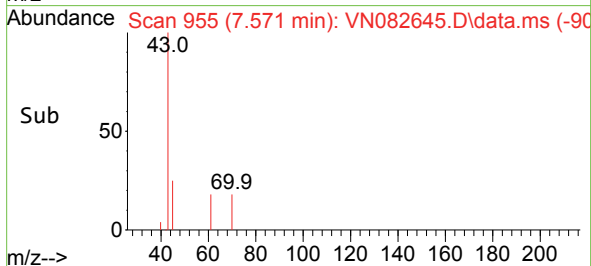
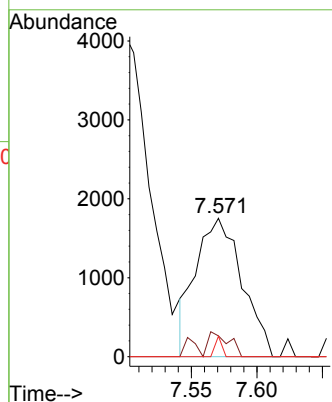


#37
Ethyl Acetate
Concen: 1.337 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

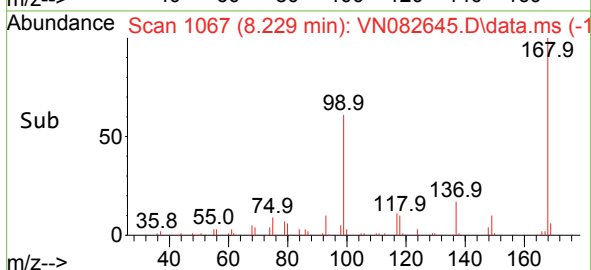
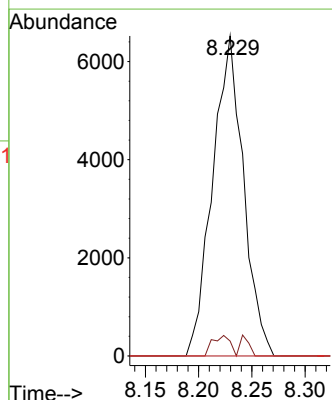
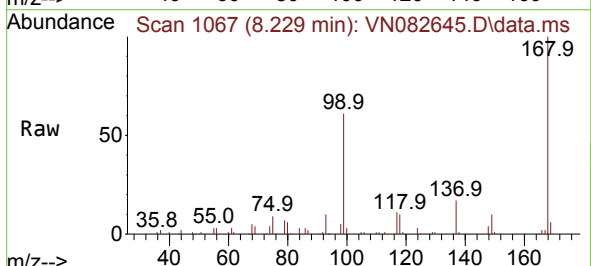


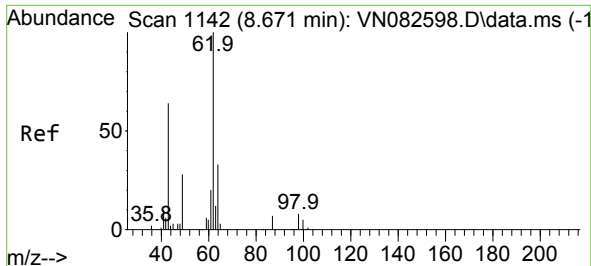
Tgt Ion: 43 Resp: 4303
Ion Ratio Lower Upper
43 100
61 8.0 9.3 13.9#
70 2.1 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 4.604 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Tgt Ion: 117 Resp: 13115
Ion Ratio Lower Upper
117 100
119 4.6 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.328 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Instrument :

MSVOA_N

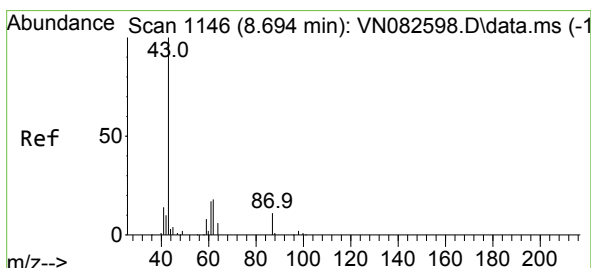
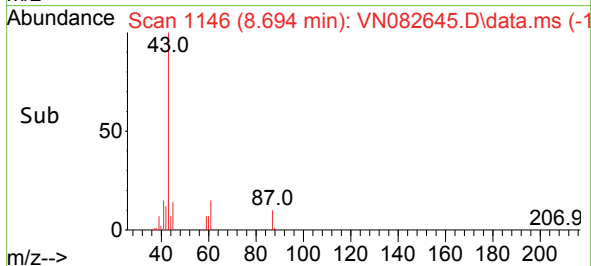
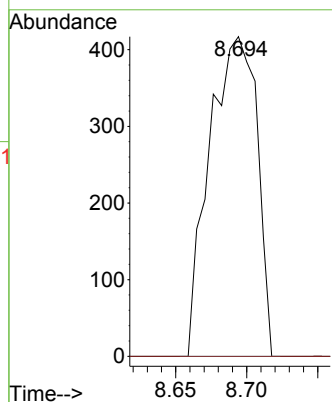
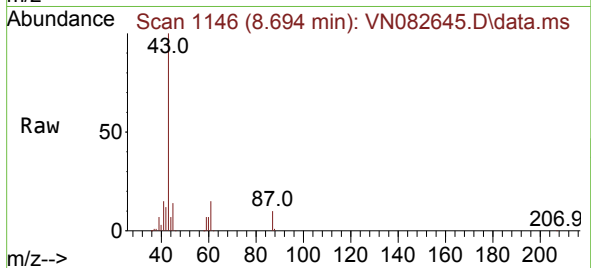
ClientSampleId :

Tgt Ion: 62 Resp: 973

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 42.338 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

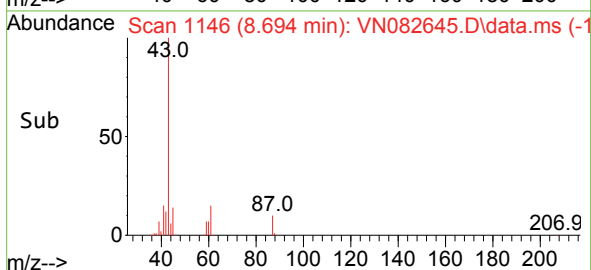
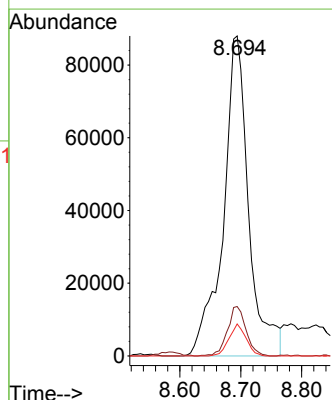
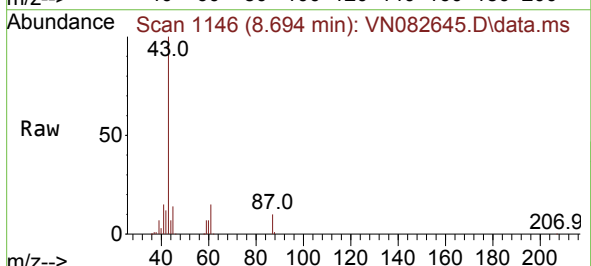
Tgt Ion: 43 Resp: 254737

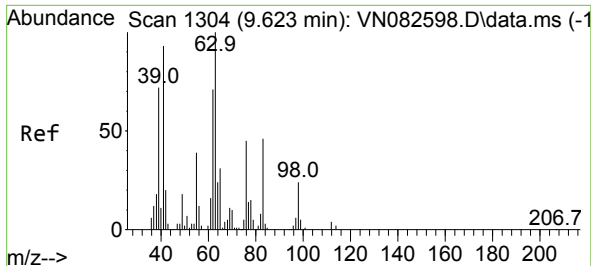
Ion Ratio Lower Upper

43 100

61 11.4 17.8 26.6#

87 6.7 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.780 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Instrument :

MSVOA_N

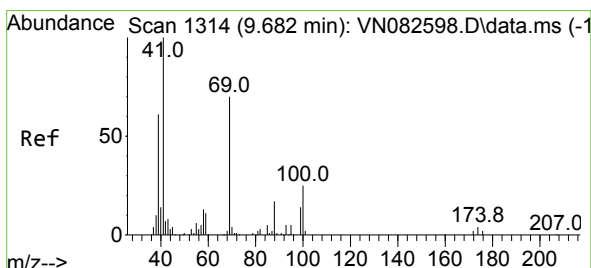
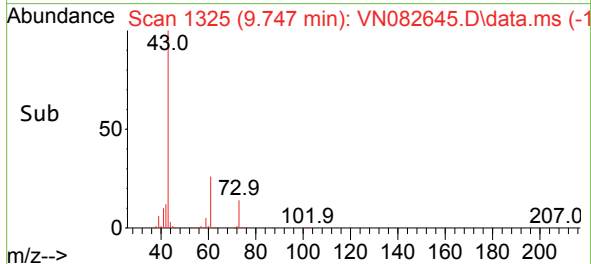
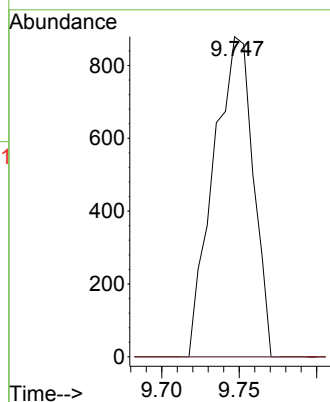
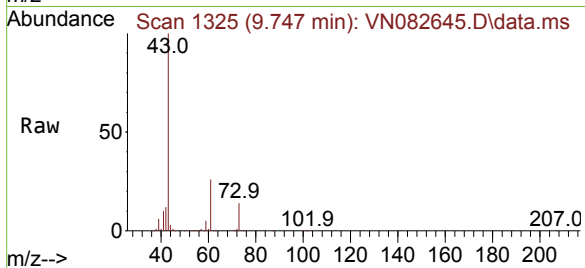
ClientSampleId :

Tgt Ion: 63 Resp: 1567

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 2.072 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.011 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

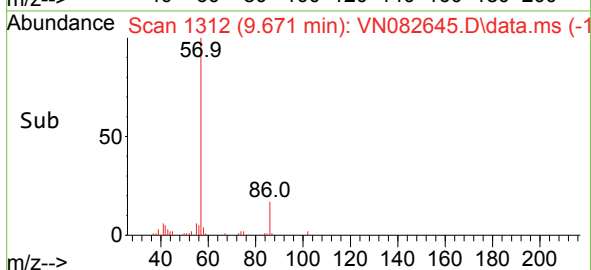
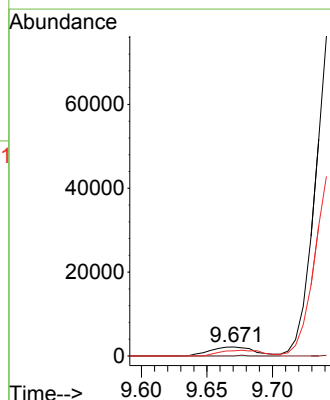
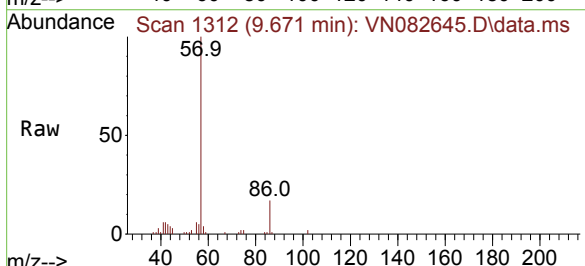
Tgt Ion: 41 Resp: 5139

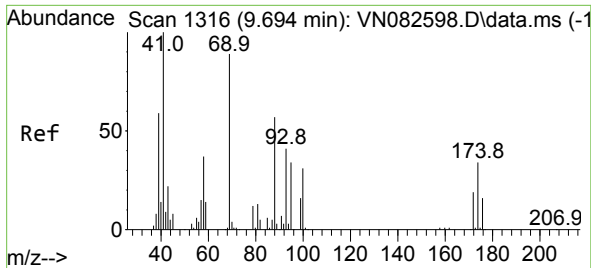
Ion Ratio Lower Upper

41 100

69 1.2 56.3 84.5#

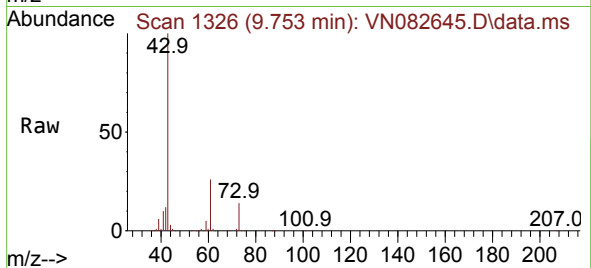
39 58.1 50.3 75.5



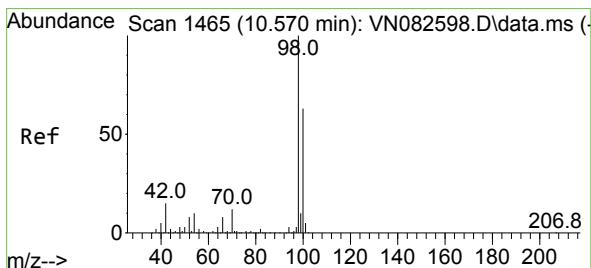
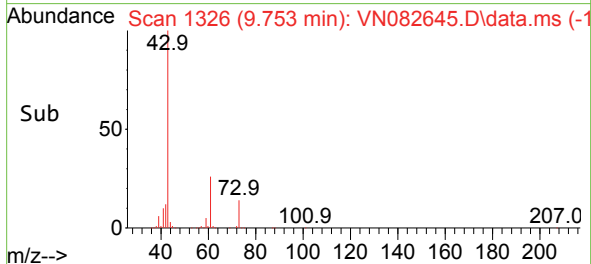
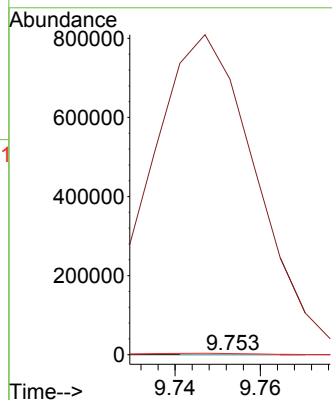


#49
1,4-Dioxane
Concen: 1.418 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

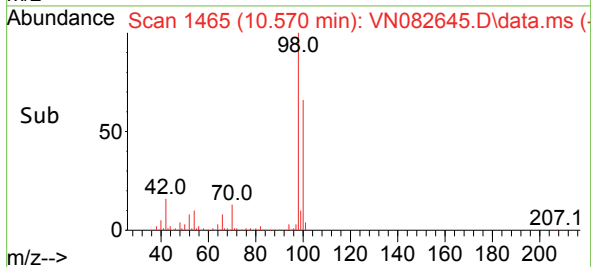
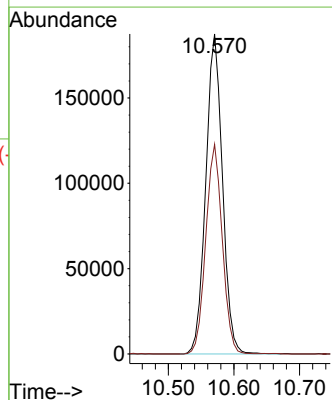
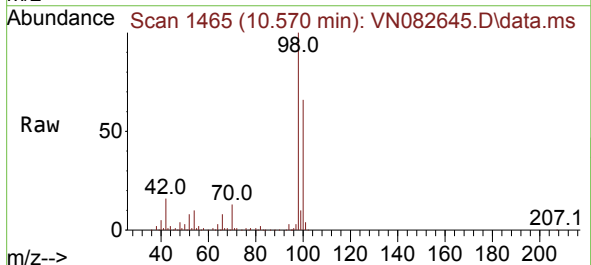


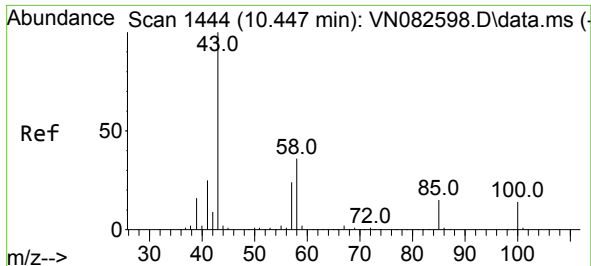
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 2623427.3 27.8 41.8#
58 12696.4 59.4 89.0#



#50
Toluene-d8
Concen: 51.929 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Tgt Ion: 98 Resp: 332025
Ion Ratio Lower Upper
98 100
100 64.8 51.5 77.3

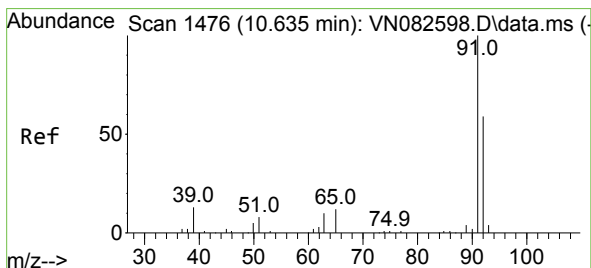
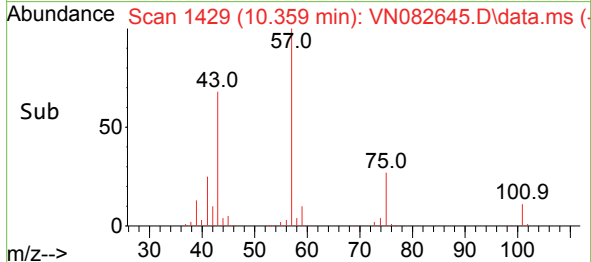
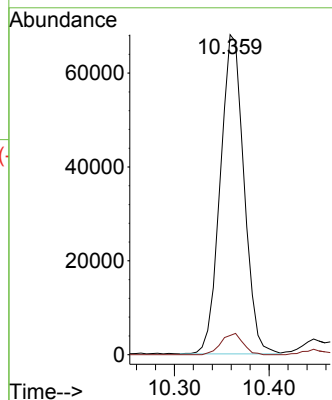
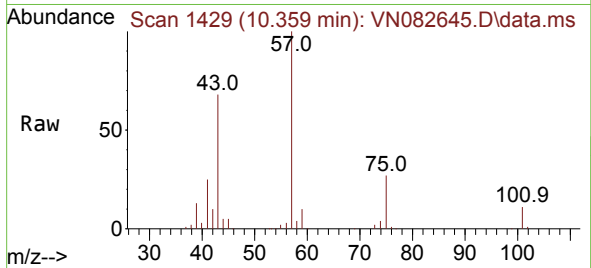




#51
4-Methyl-2-Pentanone
Concen: 38.374 ug/l
RT: 10.359 min Scan# 1444
Delta R.T. -0.088 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

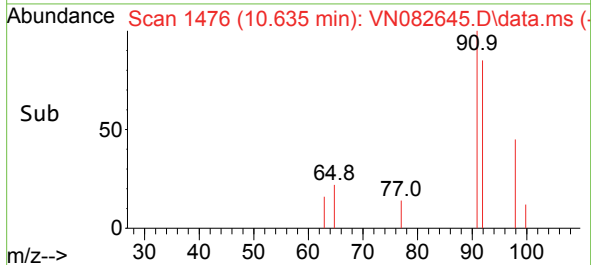
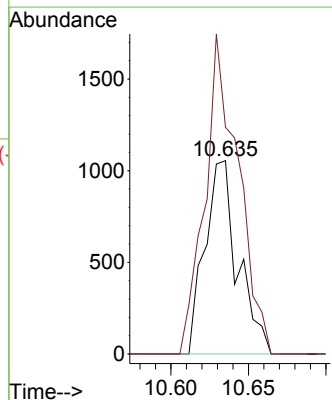
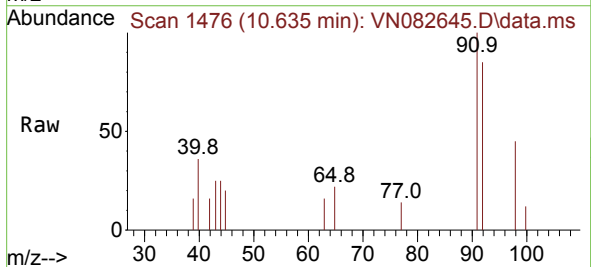
Instrument :
MSVOA_N
ClientSampleId :

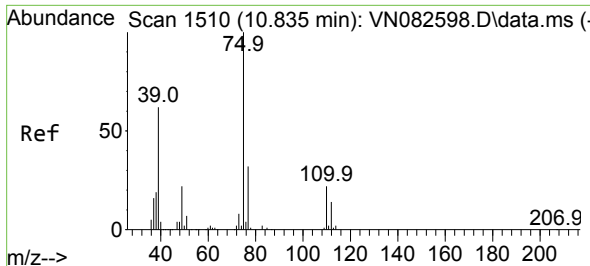
Tgt Ion: 43 Resp: 118425
Ion Ratio Lower Upper
43 100
58 6.2 28.2 42.4#



#52
Toluene
Concen: 0.329 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

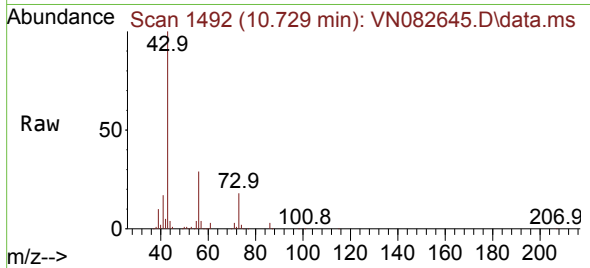
Tgt Ion: 92 Resp: 1556
Ion Ratio Lower Upper
92 100
91 167.4 139.4 209.0



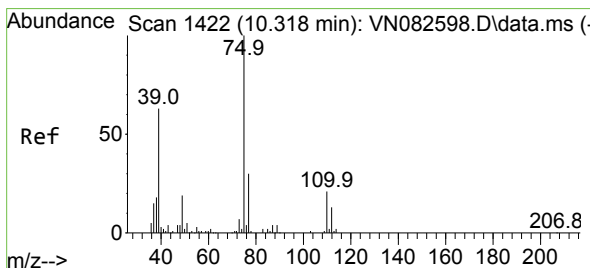
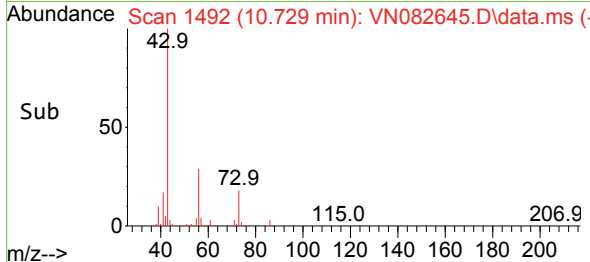
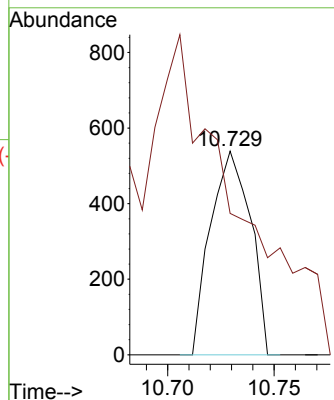


#53
 t-1,3-Dichloropropene
 Concen: 0.238 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082645.D
 Acq: 19 Jun 2024 16:50

Instrument :
 MSVOA_N
 ClientSampleId :

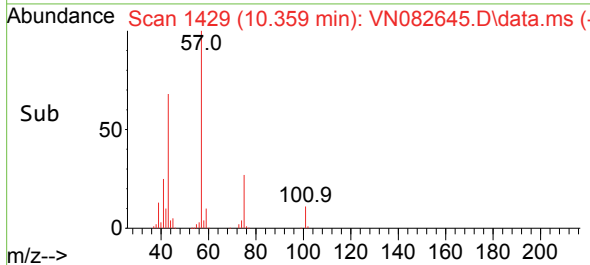
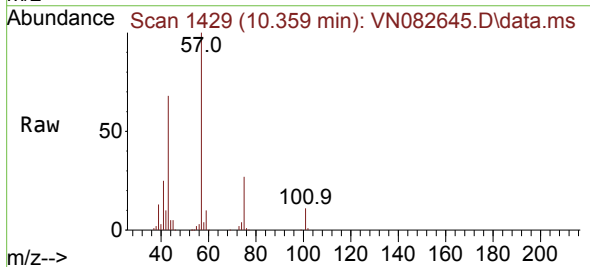
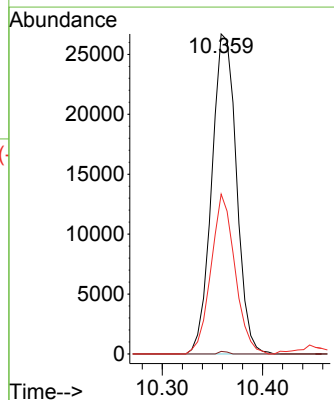


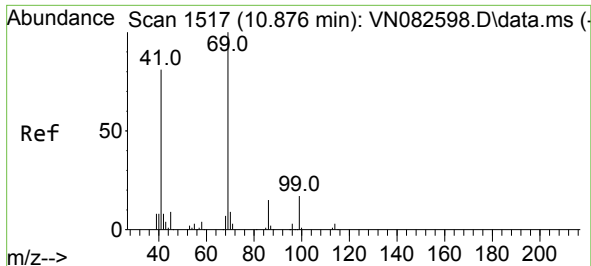
Tgt Ion: 75 Resp: 706
 Ion Ratio Lower Upper
 75 100
 77 16.9 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.842 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082645.D
 Acq: 19 Jun 2024 16:50

Tgt Ion: 75 Resp: 45583
 Ion Ratio Lower Upper
 75 100
 77 0.8 24.3 36.5#
 39 50.0 50.5 75.7#

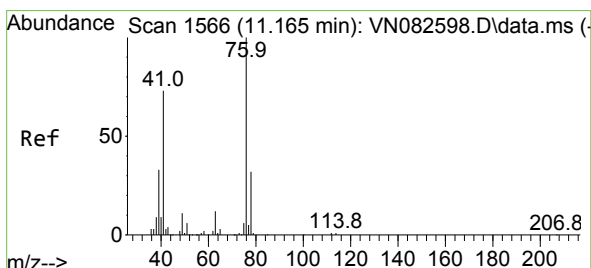
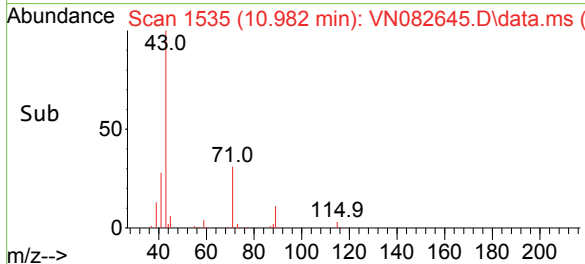
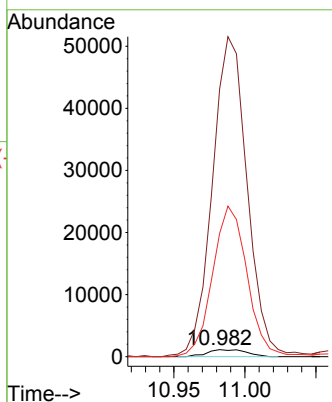
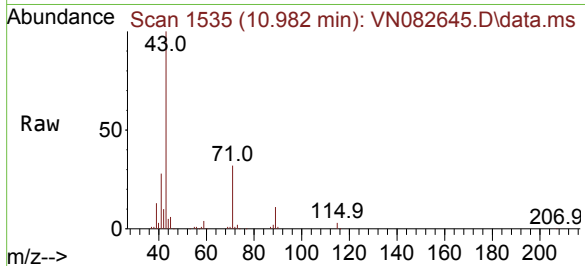




#56
Ethyl methacrylate
Concen: 0.770 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

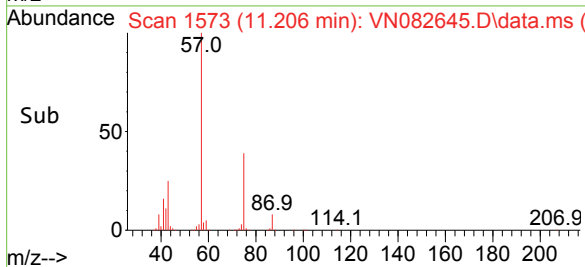
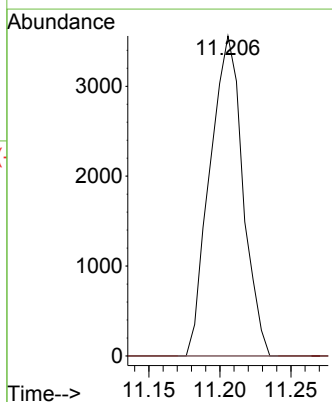
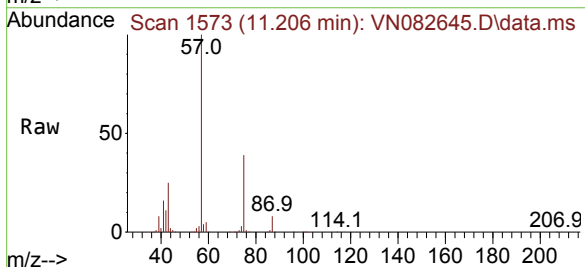
Instrument :
MSVOA_N
ClientSampleId :

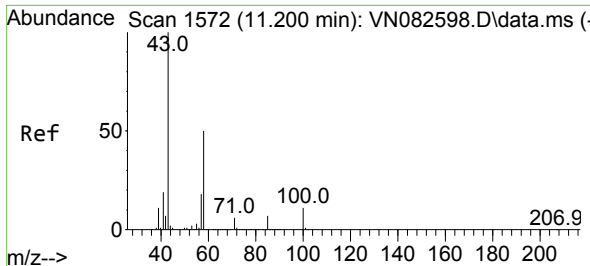
Tgt Ion: 69 Resp: 2185
Ion Ratio Lower Upper
69 100
41 4027.7 63.4 95.2#
39 1880.6 37.4 56.0#



#57
1,3-Dichloropropane
Concen: 1.815 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

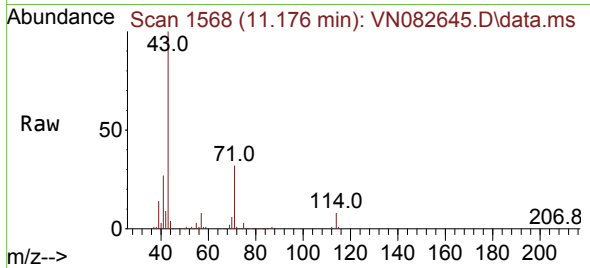
Tgt Ion: 76 Resp: 5748
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



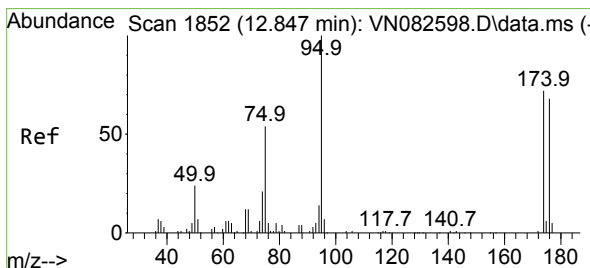
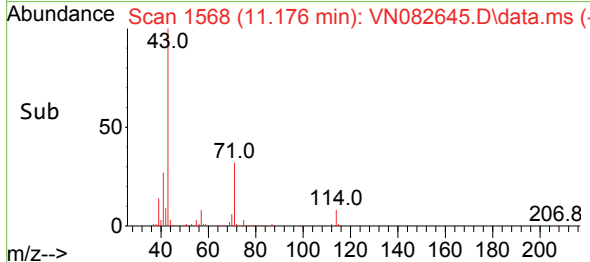
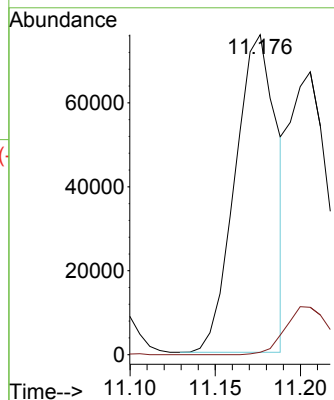


#59
2-Hexanone
Concen: 54.739 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

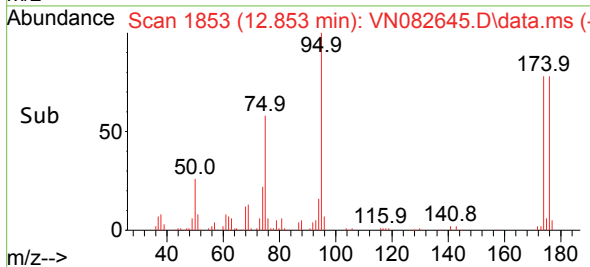
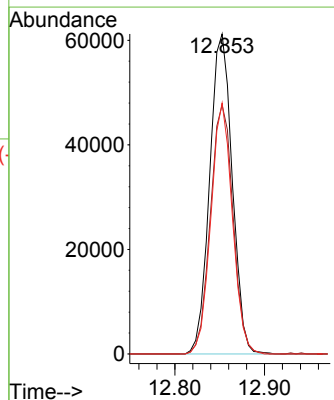
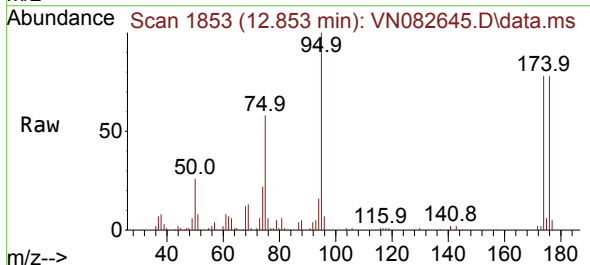


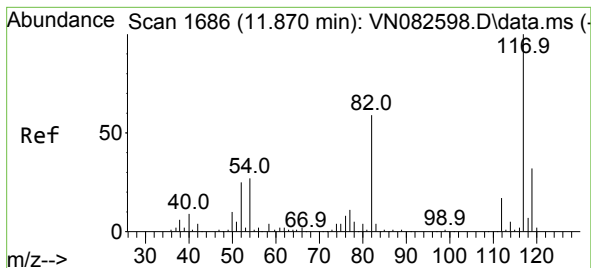
Tgt Ion: 43 Resp: 128394
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 48.363 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Tgt Ion: 95 Resp: 106610
Ion Ratio Lower Upper
95 100
174 78.5 0.0 159.2
176 74.9 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

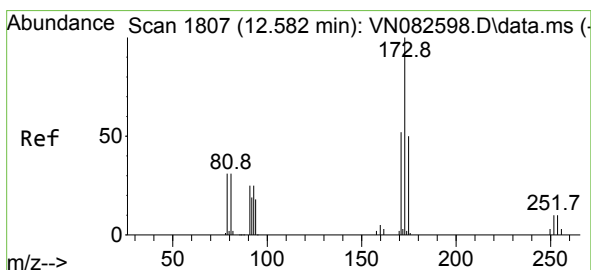
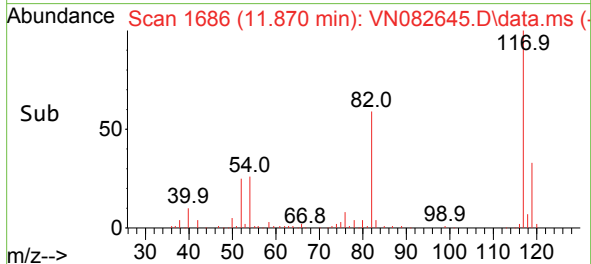
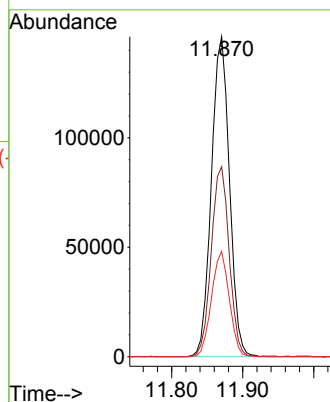
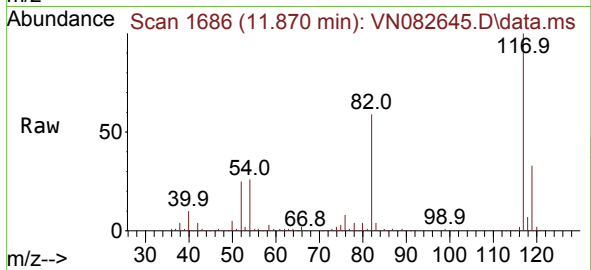
Tgt Ion:117 Resp: 258191

Ion Ratio Lower Upper

117 100

82 59.3 47.5 71.3

119 32.9 25.6 38.4



#71

Bromoform

Concen: 0.489 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

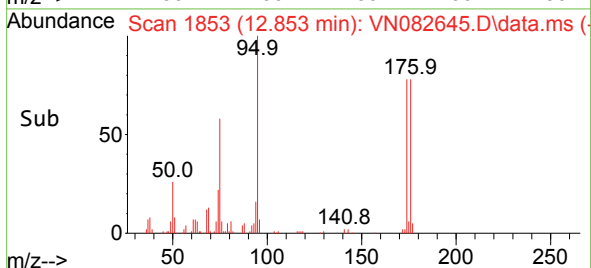
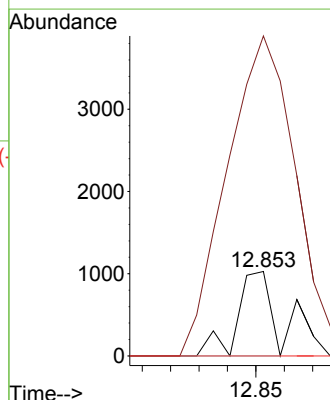
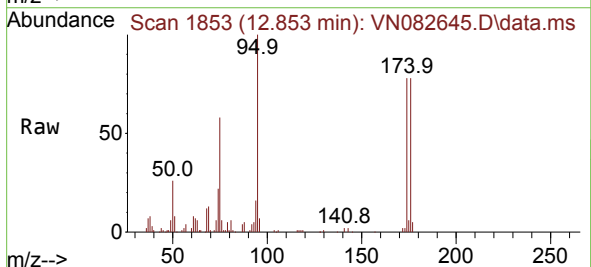
Tgt Ion:173 Resp: 816

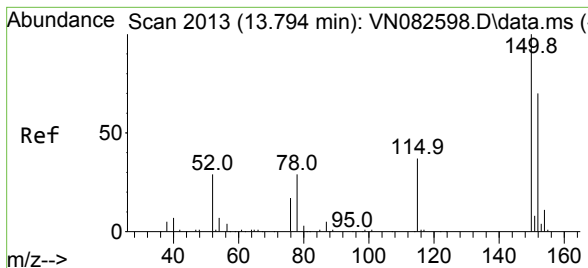
Ion Ratio Lower Upper

173 100

175 648.7 24.0 72.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Instrument :

MSVOA_N

ClientSampleId :

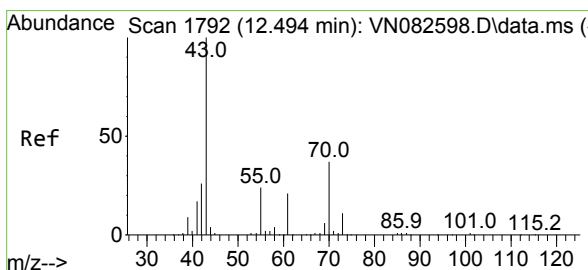
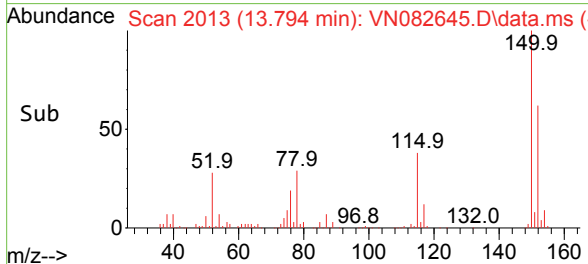
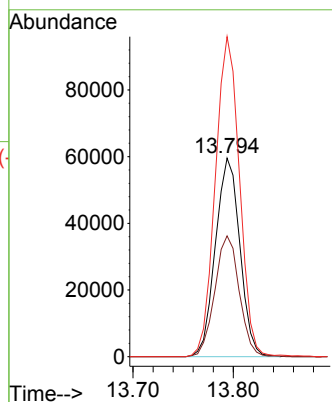
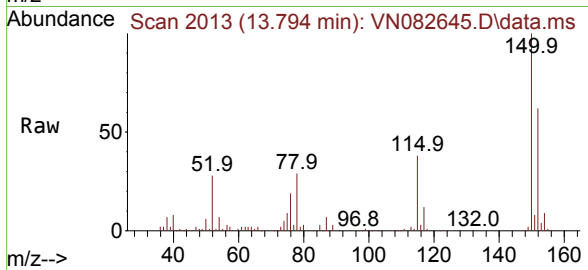
Tgt Ion:152 Resp: 100794

Ion Ratio Lower Upper

152 100

115 60.9 30.6 91.6

150 159.4 0.0 348.6



#74

N-ethyl acetate

Concen: 0.988 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.035 min

Lab File: VN082645.D

Acq: 19 Jun 2024 16:50

Tgt Ion: 43 Resp: 4037

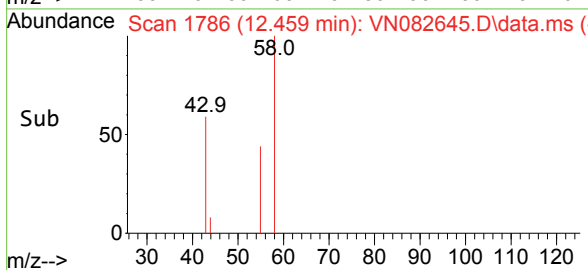
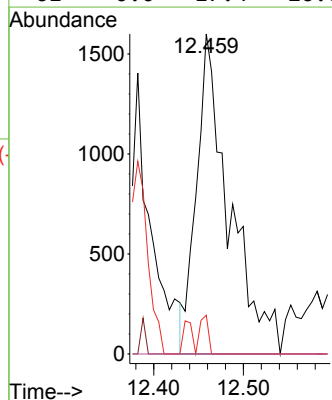
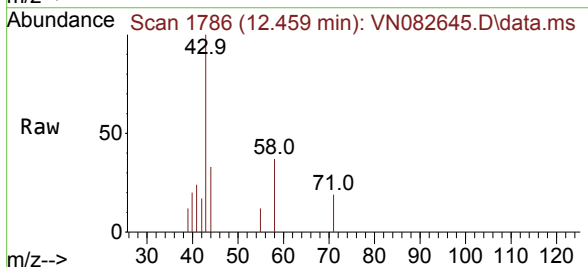
Ion Ratio Lower Upper

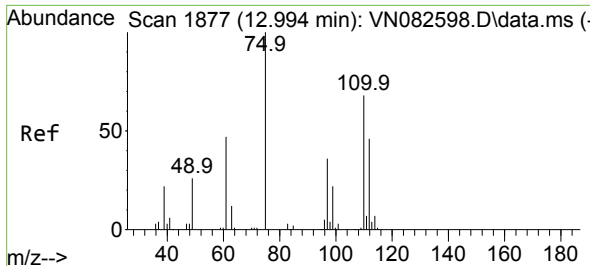
43 100

70 0.0 29.8 44.6#

55 3.2 18.7 28.1#

61 0.0 17.4 26.0#

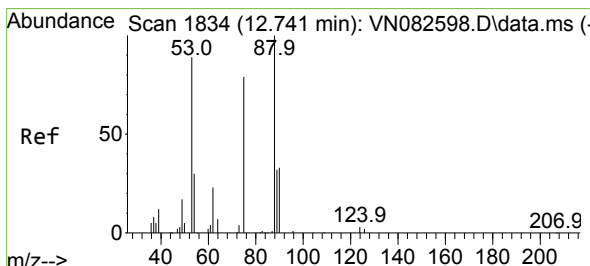
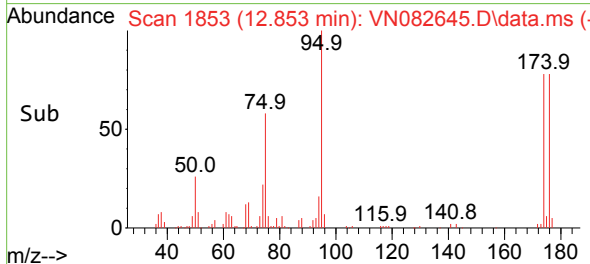
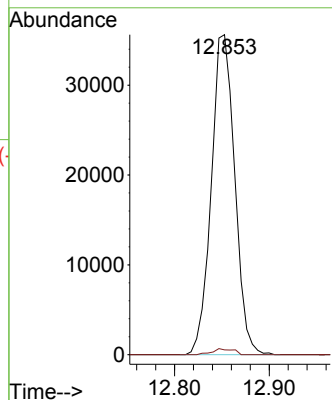
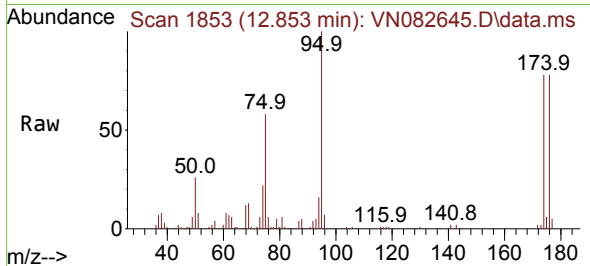




#76
1,2,3-Trichloropropane
Concen: 24.888 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 61355
Ion Ratio Lower Upper
75 100
77 1.7 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.542 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082645.D
Acq: 19 Jun 2024 16:50

Tgt Ion: 75 Resp: 61355
Ion Ratio Lower Upper
75 100
53 0.1 88.4 132.6#
89 0.0 36.3 54.5#

