

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082714.D
 Acq On : 25 Jun 2024 13:44
 Operator : JC\MD
 Sample : PB161676ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:21:59 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)

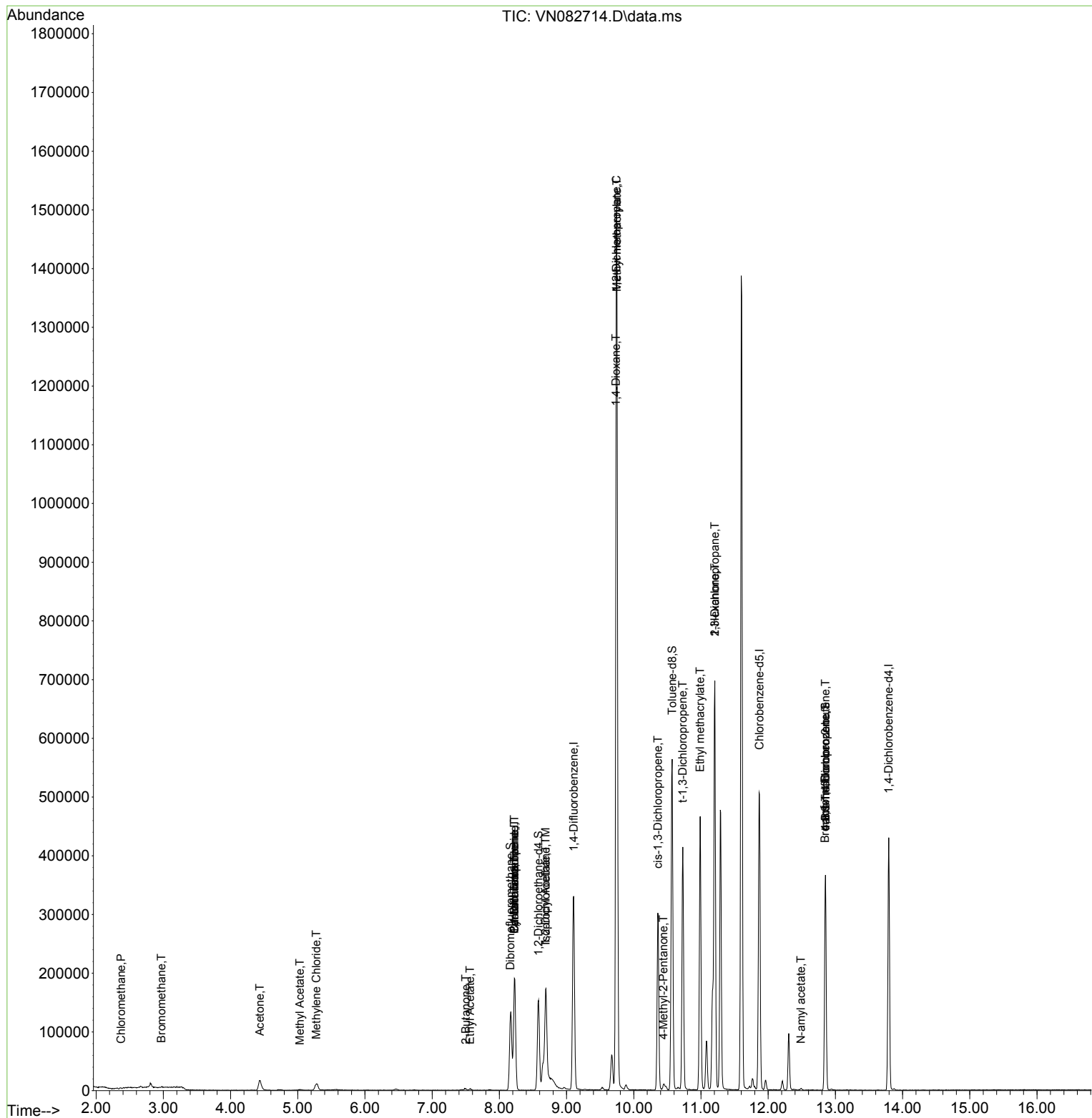
Internal Standards						
1) Pentafluorobenzene	8.224	168	133681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	276108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	108120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126594	59.052	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.100%			
35) Dibromofluoromethane	8.165	113	94529	52.711	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	10.570	98	363340	53.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.160%			
62) 4-Bromofluorobenzene	12.853	95	113667	48.615	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 97.220%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	606	0.271	ug/l #	43
5) Bromomethane	2.971	94	494	0.360	ug/l	93
16) Acetone	4.436	43	32670	33.509	ug/l	100
18) Methyl Acetate	5.030	43	2941	1.233	ug/l #	72
20) Methylene Chloride	5.277	84	8183	4.774	ug/l	83
25) 2-Butanone	7.500	43	4744	3.423	ug/l #	87
31) Cyclohexane	8.224	56	3922	1.268	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	12615	4.706	ug/l #	44
37) Ethyl Acetate	7.565	43	4240	1.242	ug/l #	78
38) Carbon Tetrachloride	8.224	117	14761	4.886	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	787	0.250	ug/l #	78
43) Isopropyl Acetate	8.688	43	276800	43.372	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1677	0.787	ug/l #	44
48) Methyl methacrylate	9.747	41	151685	57.655	ug/l #	52
49) 1,4-Dioxane	9.735	88	189	4.593	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	11953	3.652	ug/l #	76
53) t-1,3-Dichloropropene	10.729	75	925	0.294	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	46113	14.156	ug/l #	70
56) Ethyl methacrylate	10.988	69	2221	0.738	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6514	1.939	ug/l #	43
59) 2-Hexanone	11.206	43	104389	41.959	ug/l #	55
71) Bromoform	12.847	173	696	0.390	ug/l #	1
74) N-amyl acetate	12.488	43	1945	0.444	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	67009	25.339	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	67009	60.623	ug/l #	6

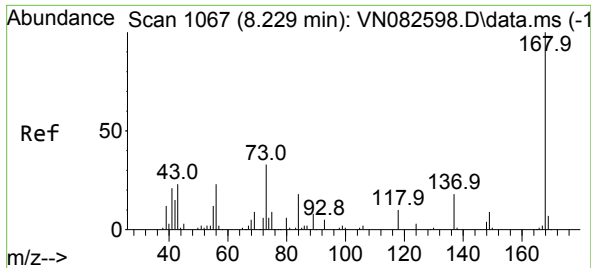
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
Data File : VN082714.D
Acq On : 25 Jun 2024 13:44
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Sample : PB161676ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

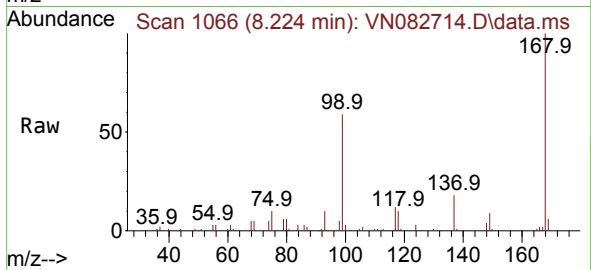
Quant Time: Jun 26 01:21:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



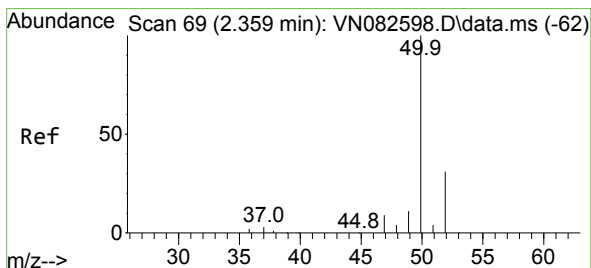
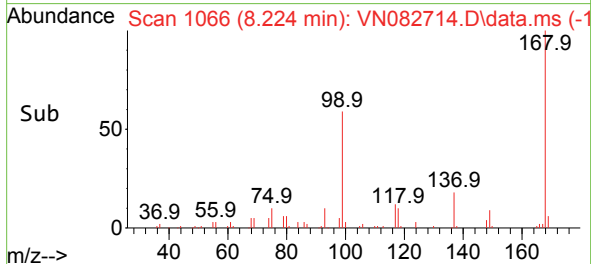
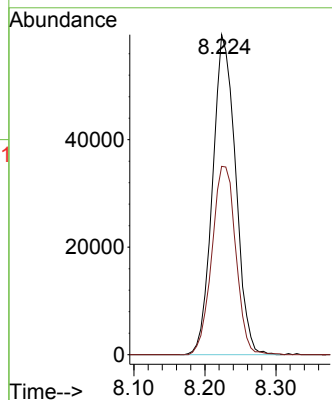


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :

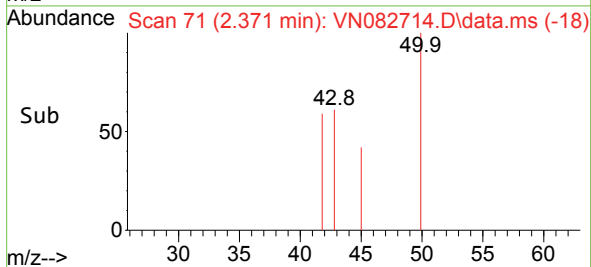
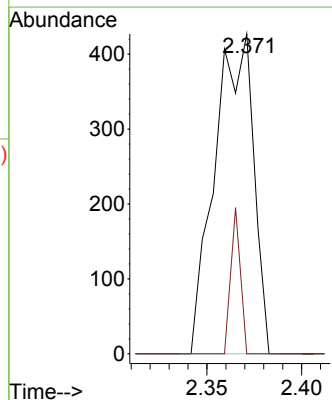
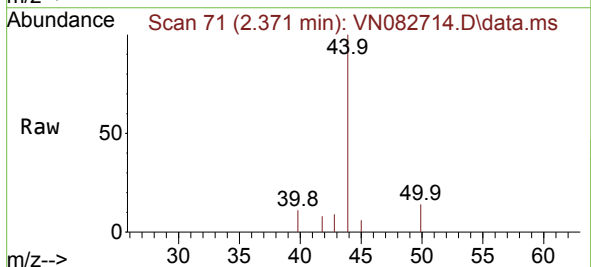


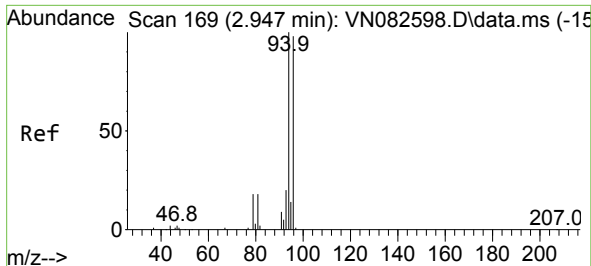
Tgt Ion:168 Resp: 133681
Ion Ratio Lower Upper
168 100
99 58.8 48.2 72.4



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Tgt Ion: 50 Resp: 606
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

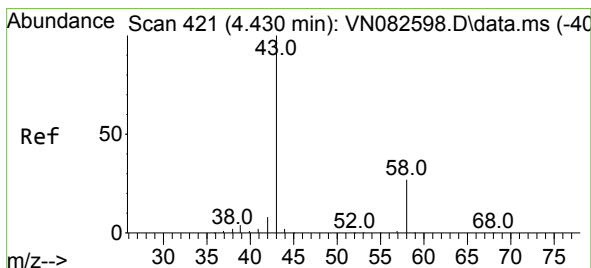
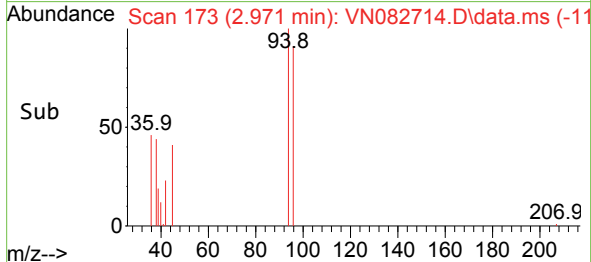
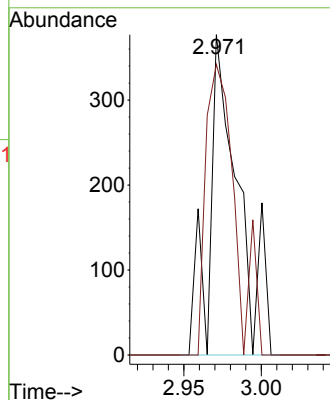
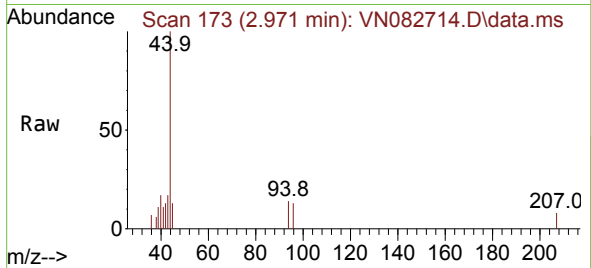




#5
Bromomethane
Concen: 0.360 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

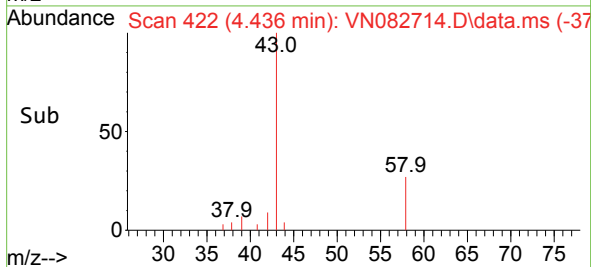
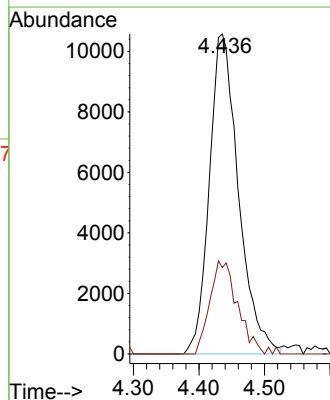
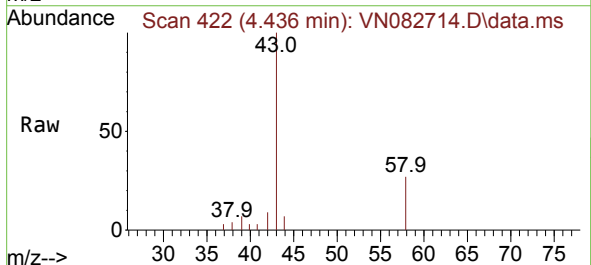
Instrument :
MSVOA_N
ClientSampleId :

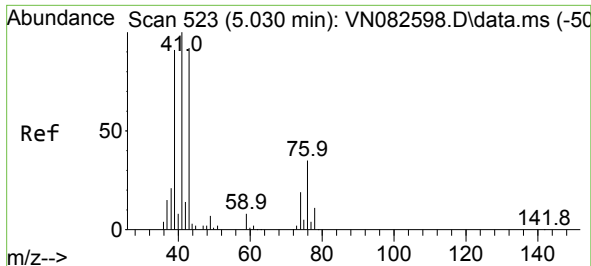
Tgt Ion: 94 Resp: 494
Ion Ratio Lower Upper
94 100
96 90.7 78.0 117.0



#16
Acetone
Concen: 33.509 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Tgt Ion: 43 Resp: 32670
Ion Ratio Lower Upper
43 100
58 27.0 21.8 32.6





#18

Methyl Acetate

Concen: 1.233 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.000 min

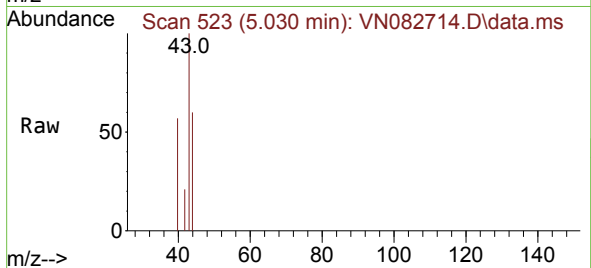
Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Instrument :

MSVOA_N

ClientSampleId :

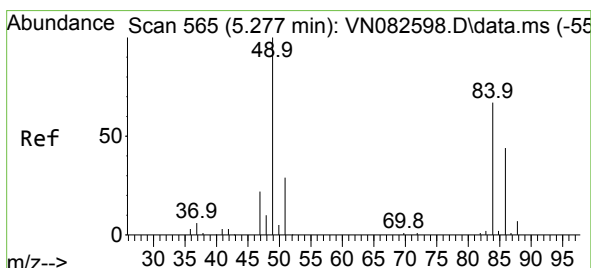
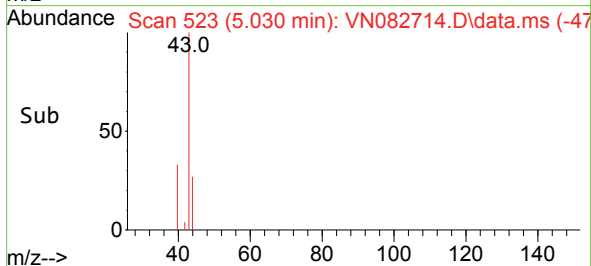
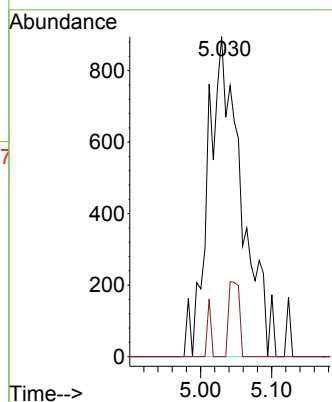


Tgt Ion: 43 Resp: 2941

Ion Ratio Lower Upper

43 100

74 7.4 16.3 24.5#



#20

Methylene Chloride

Concen: 4.774 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.000 min

Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Tgt Ion: 84 Resp: 8183

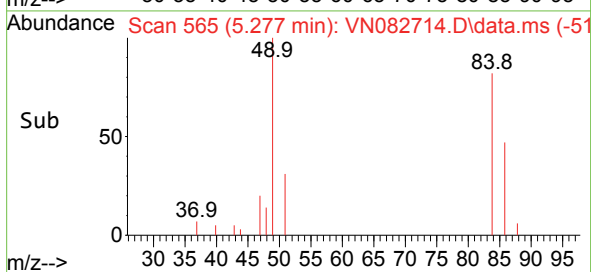
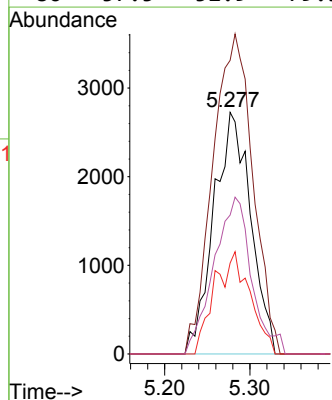
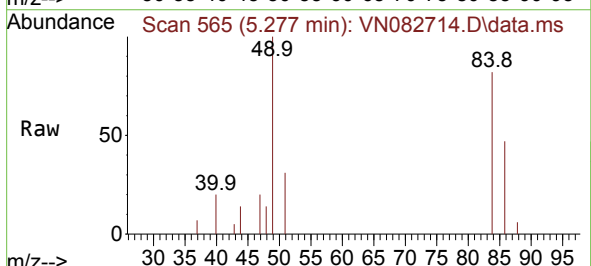
Ion Ratio Lower Upper

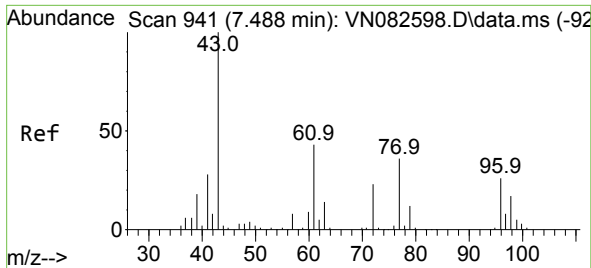
84 100

49 121.5 119.6 179.4

51 37.6 34.8 52.2

86 57.5 52.9 79.3

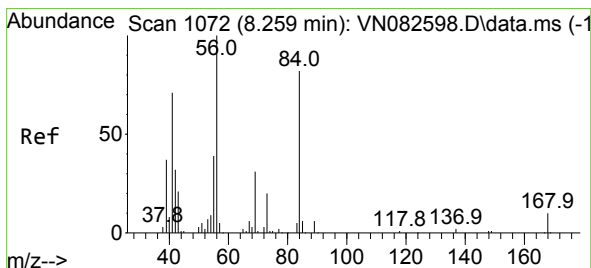
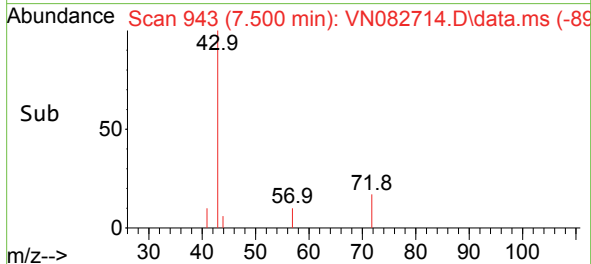
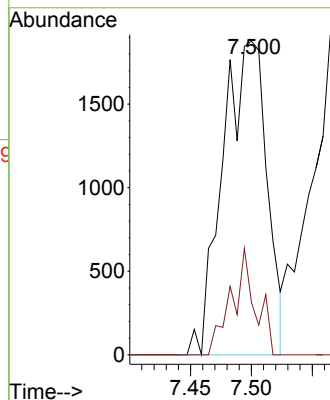
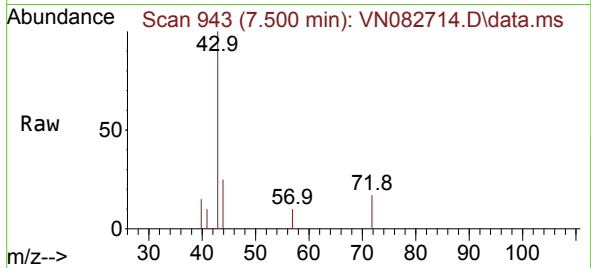




#25
2-Butanone
Concen: 3.423 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

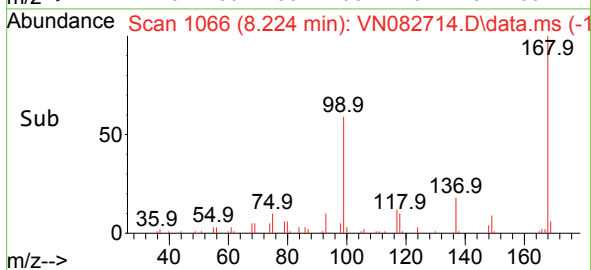
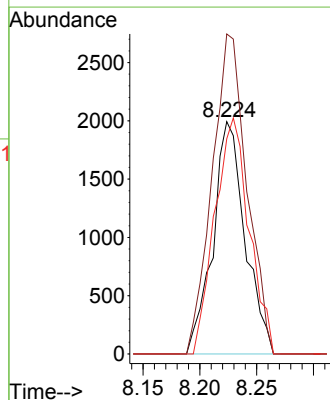
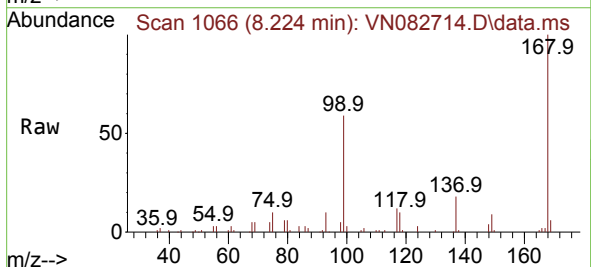
Instrument :
MSVOA_N
ClientSampleId :

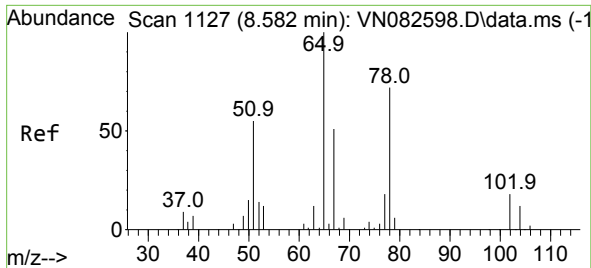
Tgt Ion: 43 Resp: 4744
Ion Ratio Lower Upper
43 100
72 16.5 18.2 27.2#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Tgt Ion: 56 Resp: 3922
Ion Ratio Lower Upper
56 100
69 137.7 24.5 36.7#
84 92.6 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 59.052 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Instrument :

MSVOA_N

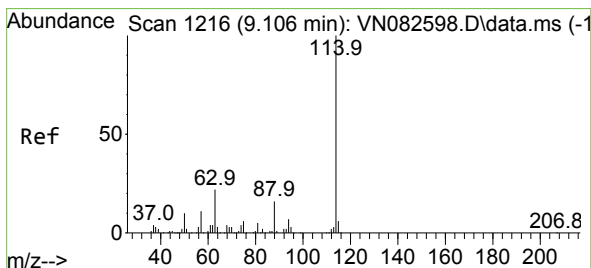
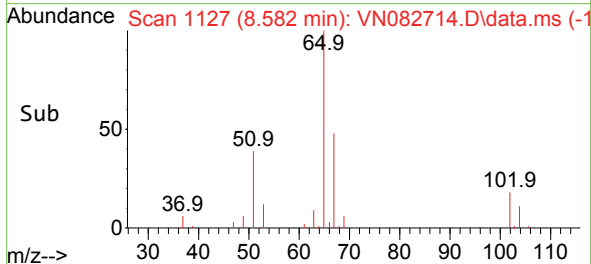
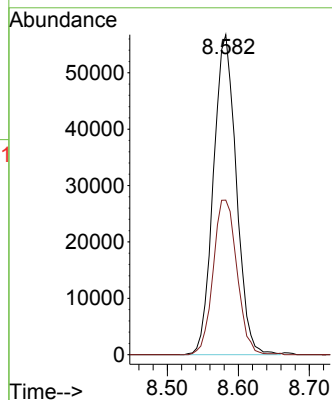
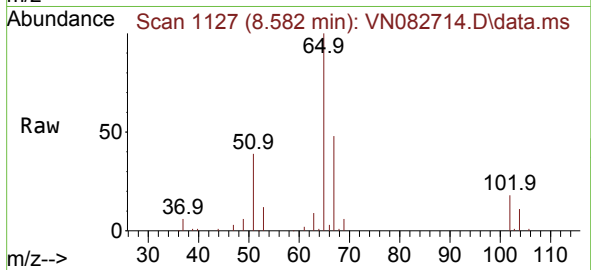
ClientSampleId :

Tgt Ion: 65 Resp: 126594

Ion Ratio Lower Upper

65 100

67 50.2 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: VN082714.D

Acq: 25 Jun 2024 13:44

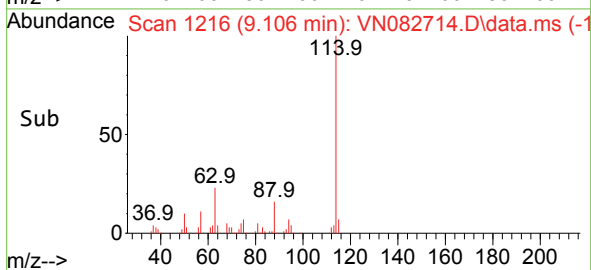
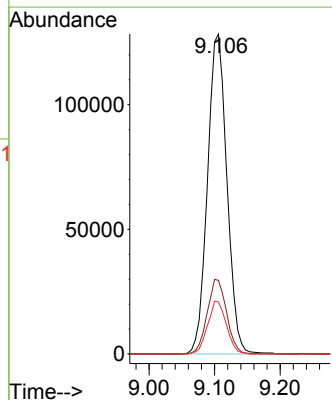
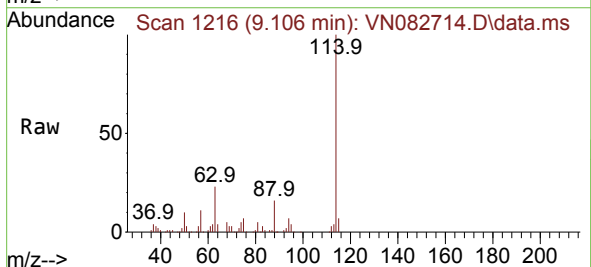
Tgt Ion: 114 Resp: 264353

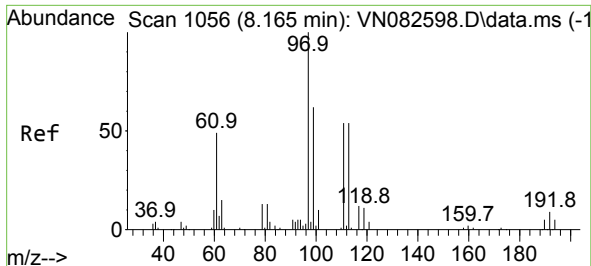
Ion Ratio Lower Upper

114 100

63 23.0 0.0 44.6

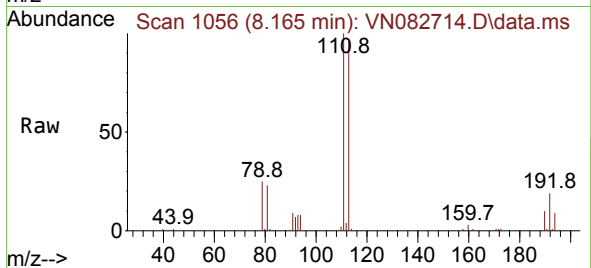
88 16.3 0.0 31.4



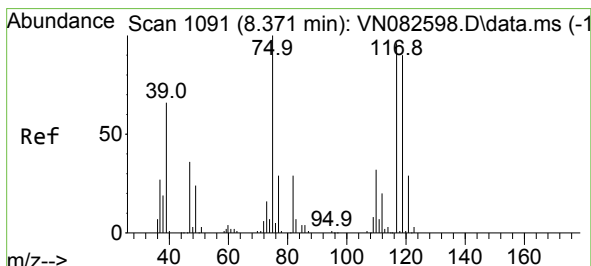
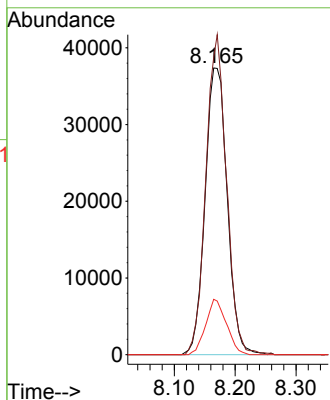
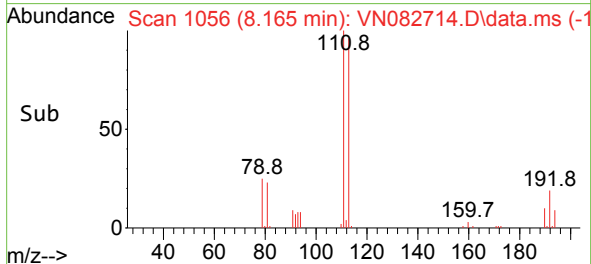


#35
Dibromofluoromethane
Concen: 52.711 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Instrument :
MSVOA_N
ClientSampleId :

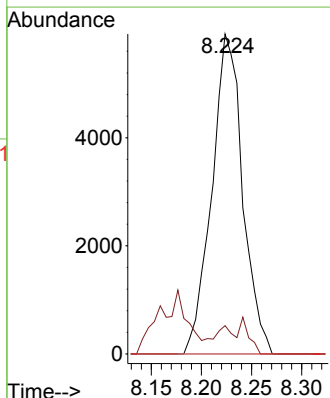
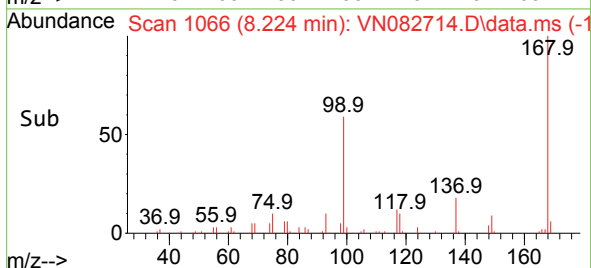
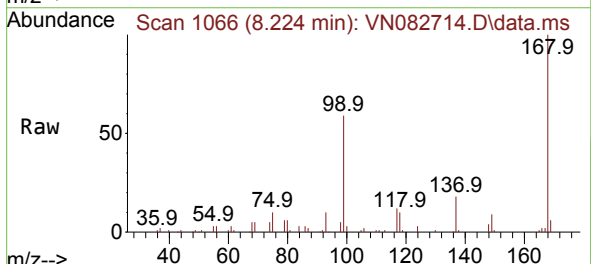


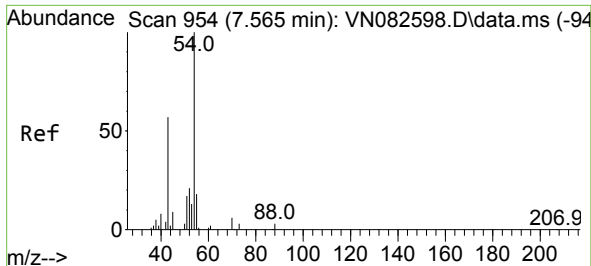
Tgt Ion:113 Resp: 94529
Ion Ratio Lower Upper
113 100
111 103.8 82.4 123.6
192 18.1 14.9 22.3



#36
1,1-Dichloropropene
Concen: 4.706 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Tgt Ion: 75 Resp: 12615
Ion Ratio Lower Upper
75 100
110 1.7 16.3 48.9#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.242 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.000 min

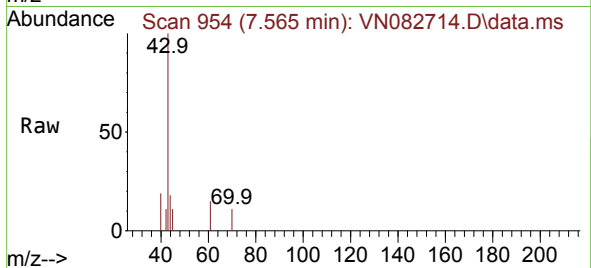
Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

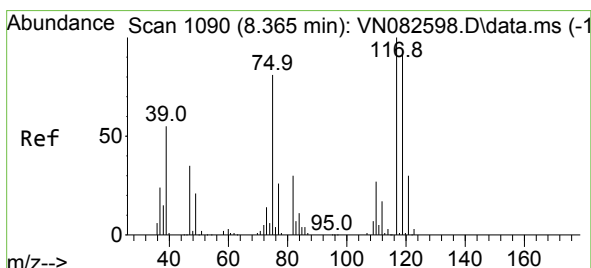
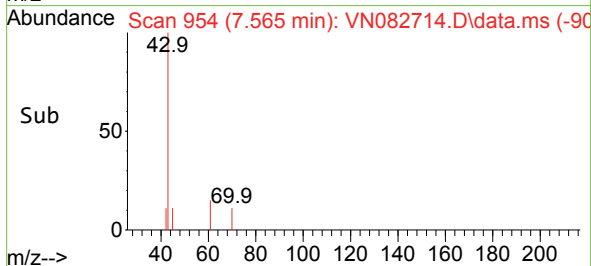
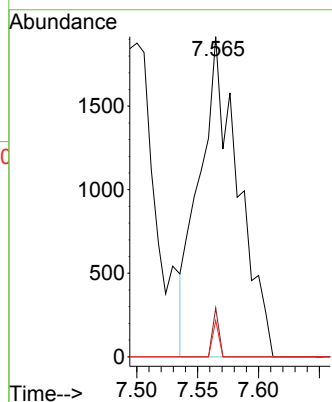
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4240
Ion	Ratio	Lower	Upper
43	100		
61	2.4	9.3	13.9#
70	1.8	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 4.886 ug/l

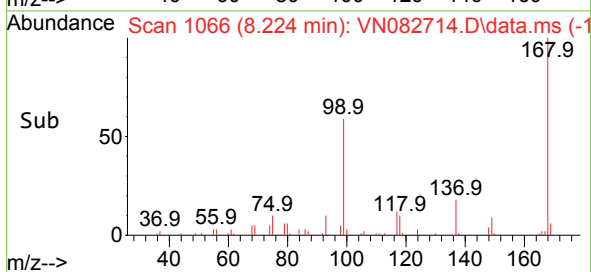
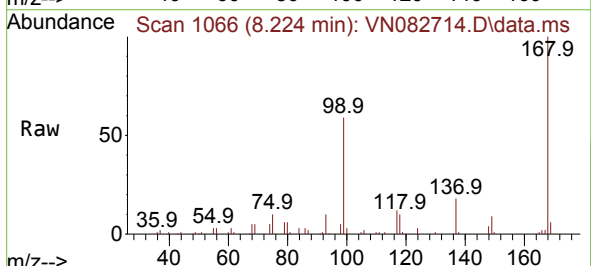
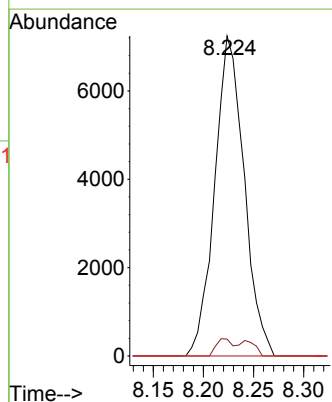
RT: 8.224 min Scan# 1066

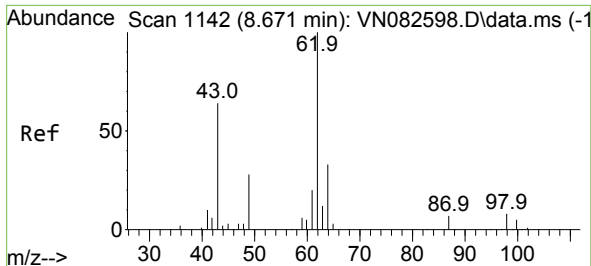
Delta R.T. -0.141 min

Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Tgt Ion:	117	Resp:	14761
Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.9	112.3#
121	0.0	24.3	36.5#





#42

1,2-Dichloroethane

Concen: 0.250 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Instrument :

MSVOA_N

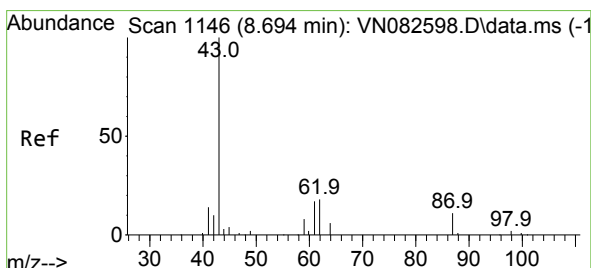
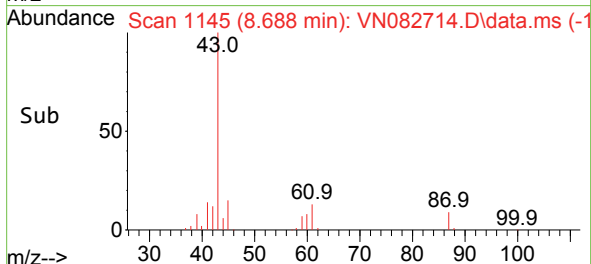
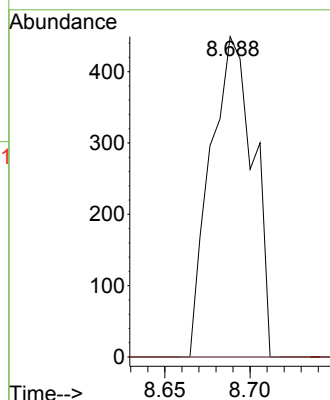
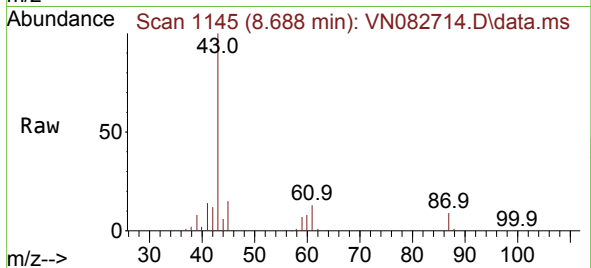
ClientSampleId :

Tgt Ion: 62 Resp: 787

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 43.372 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

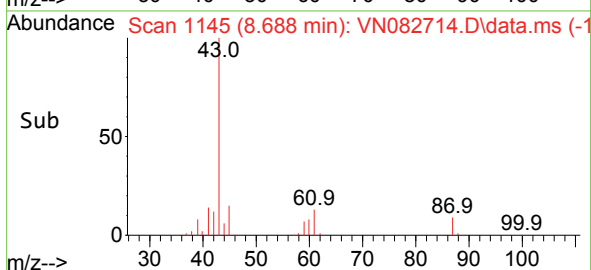
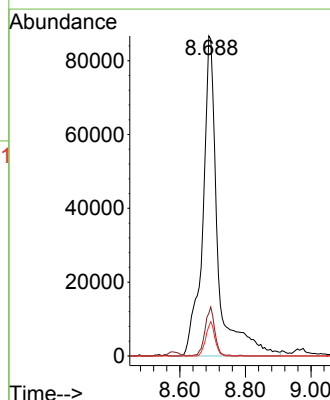
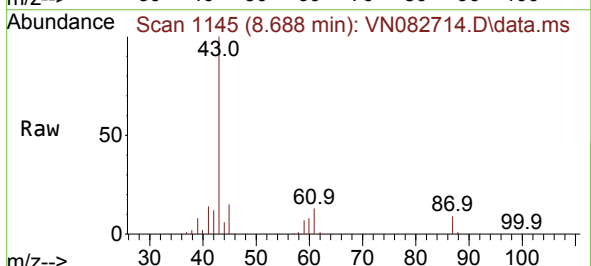
Tgt Ion: 43 Resp: 276800

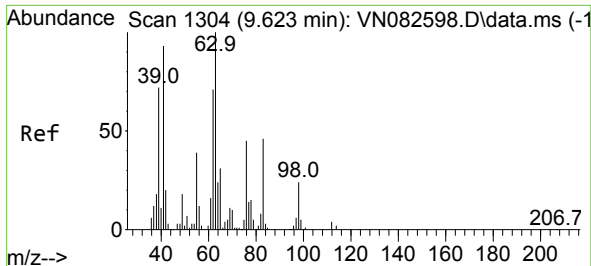
Ion Ratio Lower Upper

43 100

61 9.9 17.8 26.6#

87 6.4 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.787 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.118 min

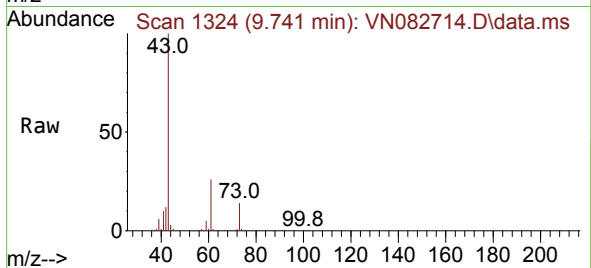
Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Instrument :

MSVOA_N

ClientSampleId :

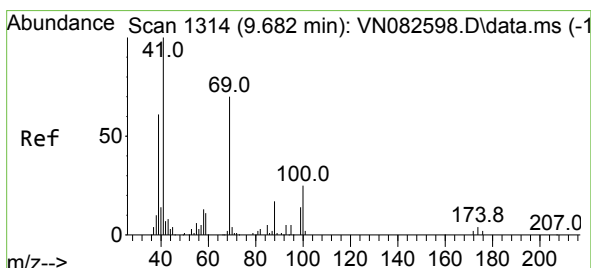
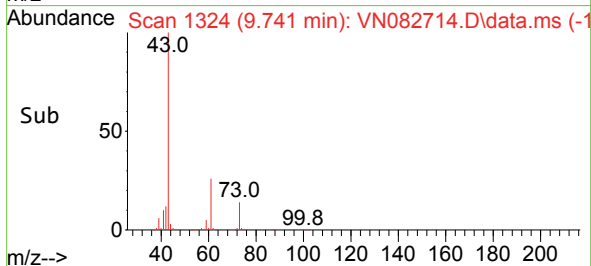
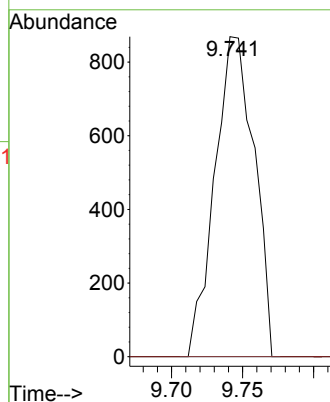


Tgt Ion: 63 Resp: 1677

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 57.655 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

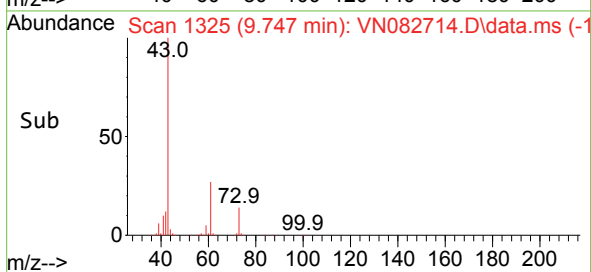
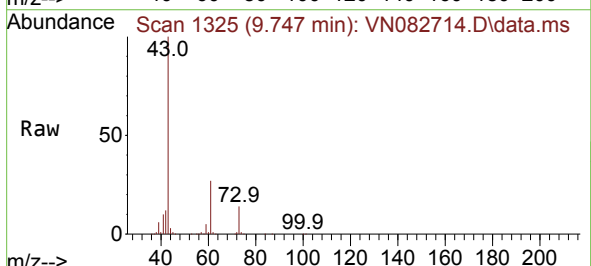
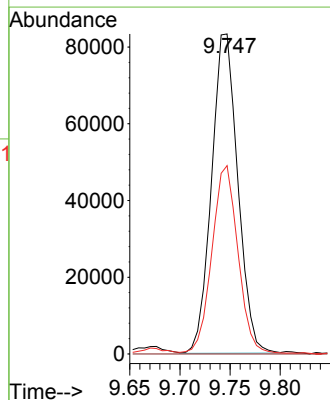
Tgt Ion: 41 Resp: 151685

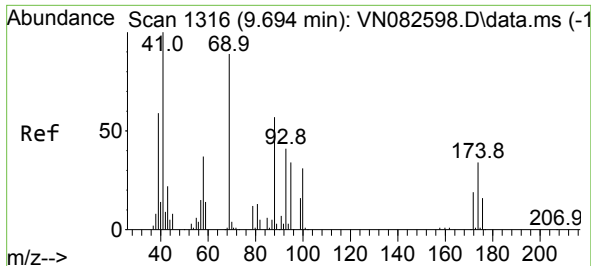
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 58.1 50.3 75.5





#49

1,4-Dioxane

Concen: 4.593 ug/l

RT: 9.735 min Scan# 1

Delta R.T. 0.041 min

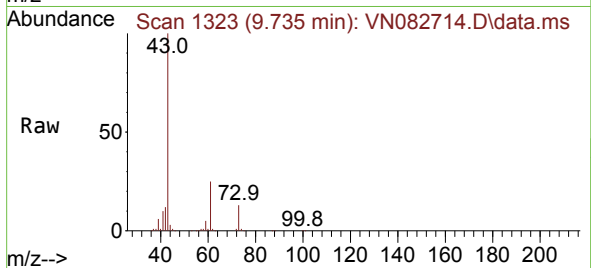
Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Instrument :

MSVOA_N

ClientSampleId :



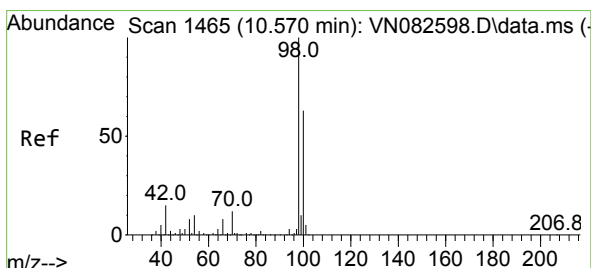
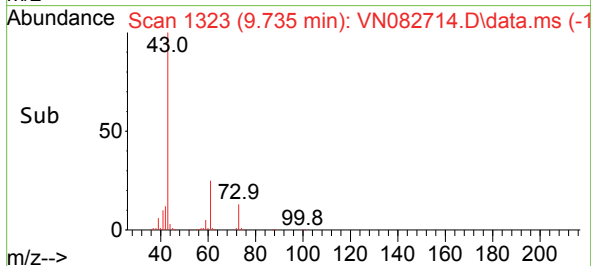
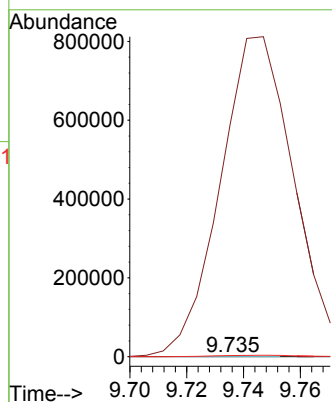
Tgt Ion: 88 Resp: 189

Ion Ratio Lower Upper

88 100

43 779757.1 27.8 41.8#

58 3813.8 59.4 89.0#



#50

Toluene-d8

Concen: 53.576 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082714.D

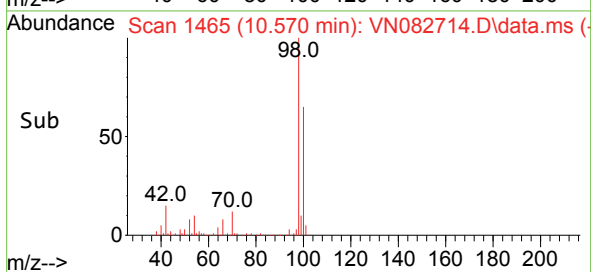
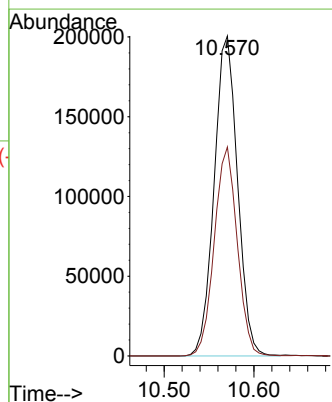
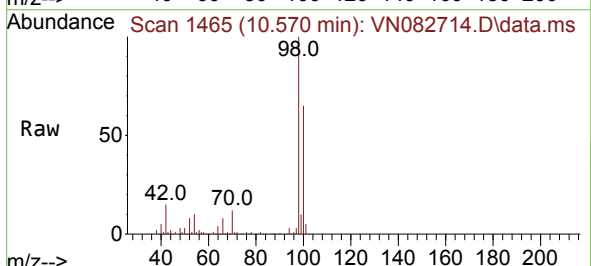
Acq: 25 Jun 2024 13:44

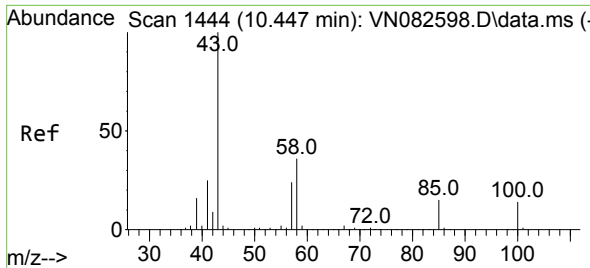
Tgt Ion: 98 Resp: 363340

Ion Ratio Lower Upper

98 100

100 64.0 51.5 77.3

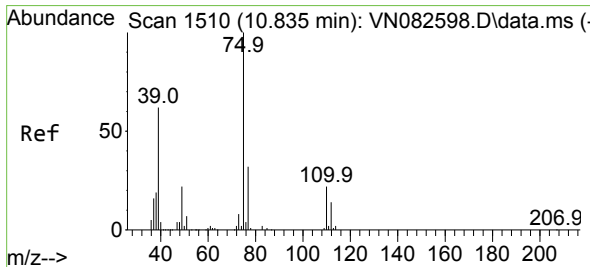
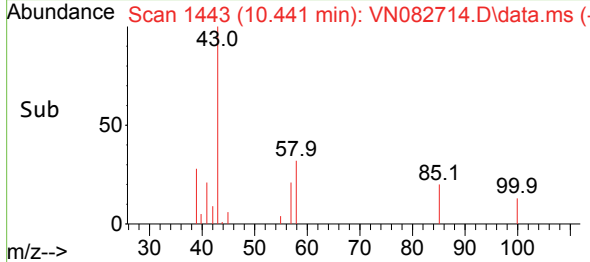
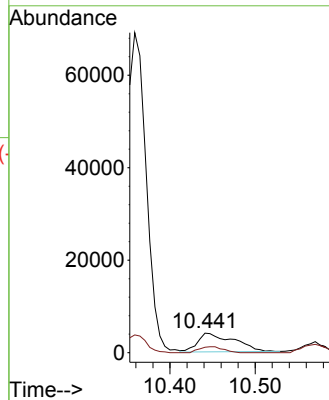
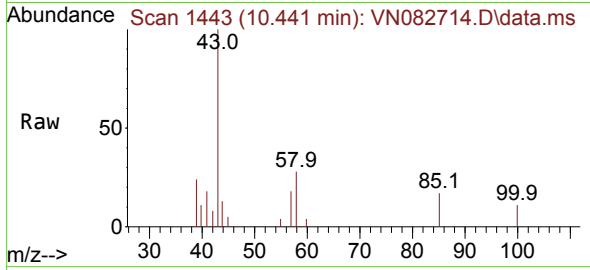




#51
4-Methyl-2-Pentanone
Concen: 3.652 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

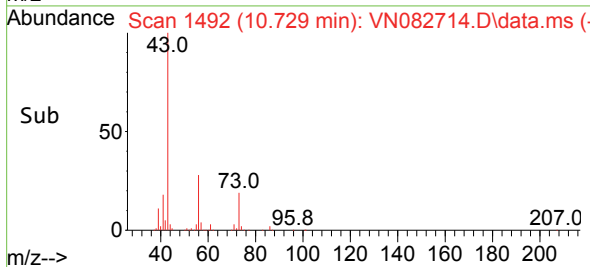
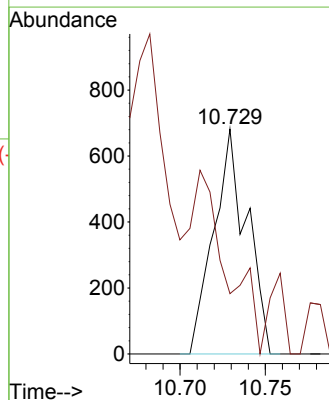
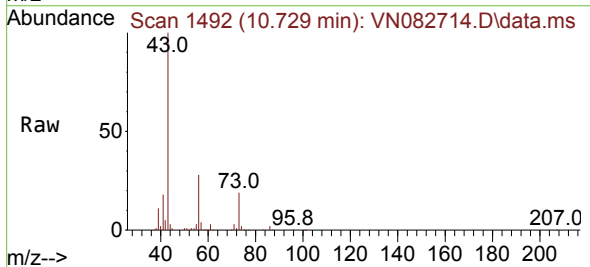
Instrument :
MSVOA_N
ClientSampleId :

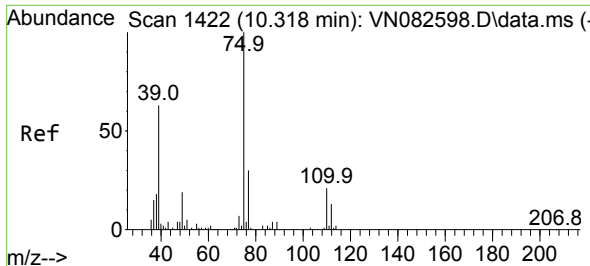
Tgt Ion: 43 Resp: 11953
Ion Ratio Lower Upper
43 100
58 21.1 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.294 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

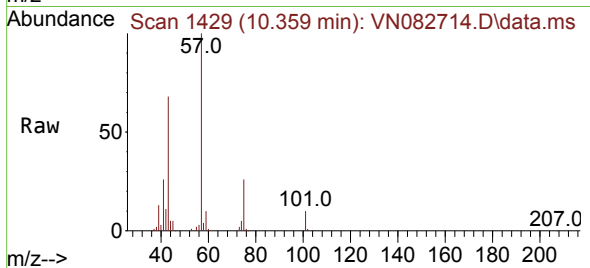
Tgt Ion: 75 Resp: 925
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



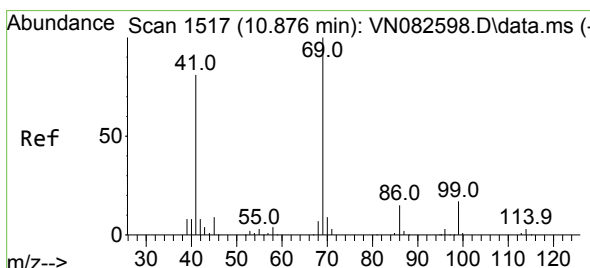
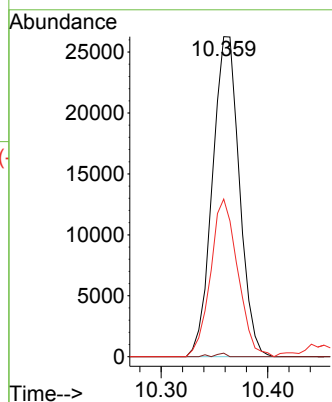
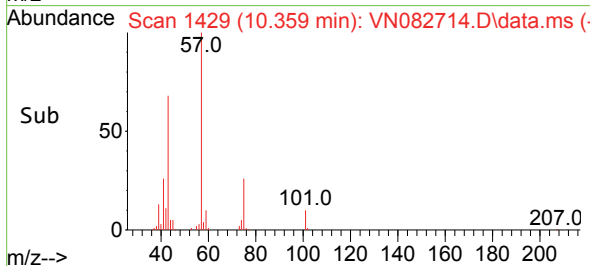


#54
 cis-1,3-Dichloropropene
 Concen: 14.156 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN082714.D
 Acq: 25 Jun 2024 13:44

Instrument :
 MSVOA_N
 ClientSampleId :

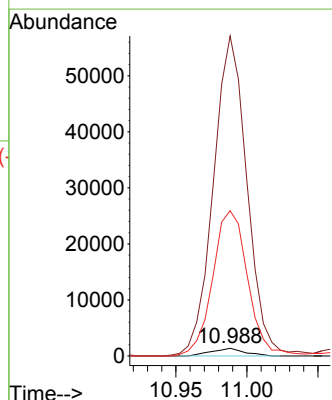
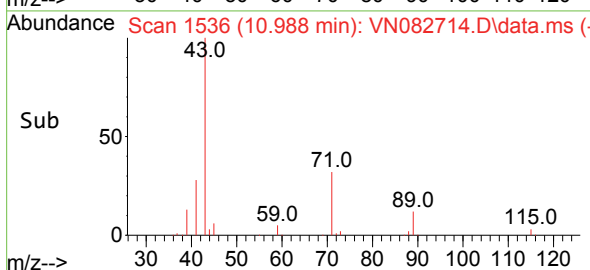
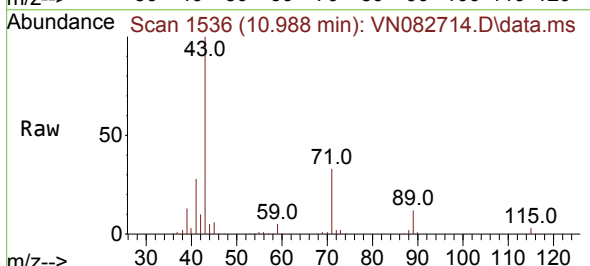


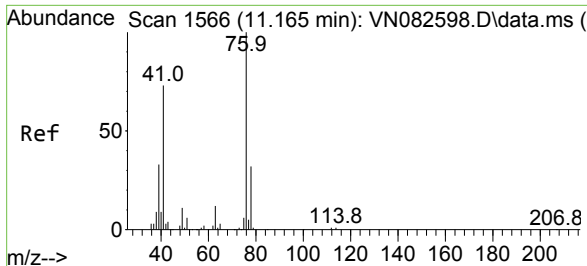
Tgt Ion: 75 Resp: 46113
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.3 36.5#
 39 49.2 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.738 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082714.D
 Acq: 25 Jun 2024 13:44

Tgt Ion: 69 Resp: 2221
 Ion Ratio Lower Upper
 69 100
 41 4251.6 63.4 95.2#
 39 2007.9 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.939 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Instrument :

MSVOA_N

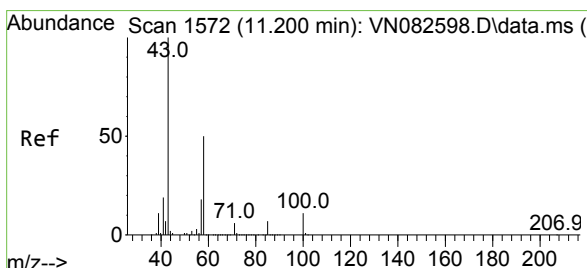
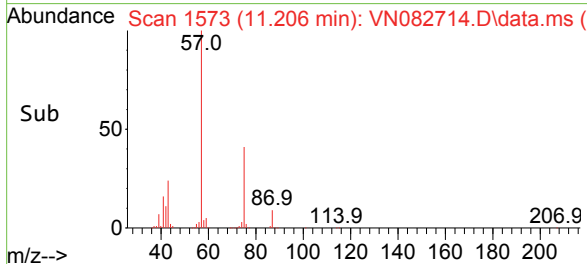
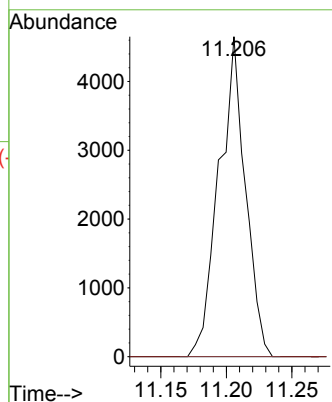
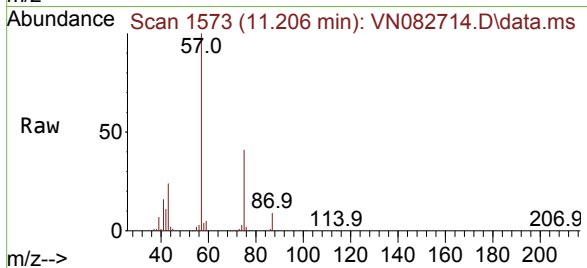
ClientSampleId :

Tgt Ion: 76 Resp: 6514

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 41.959 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN082714.D

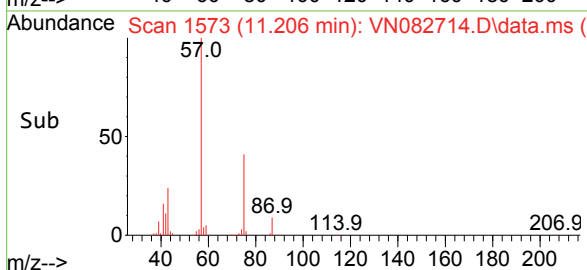
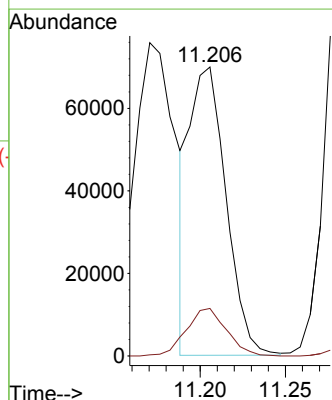
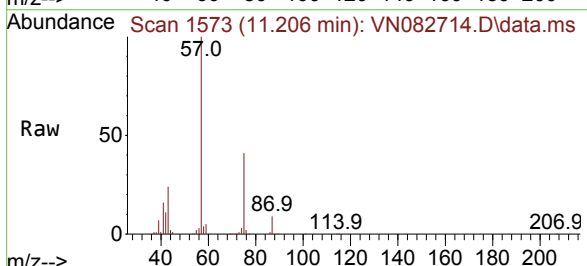
Acq: 25 Jun 2024 13:44

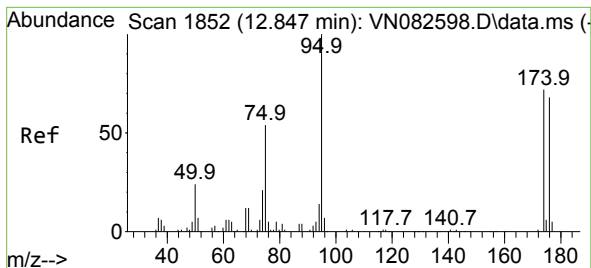
Tgt Ion: 43 Resp: 104389

Ion Ratio Lower Upper

43 100

58 18.2 24.6 73.8#

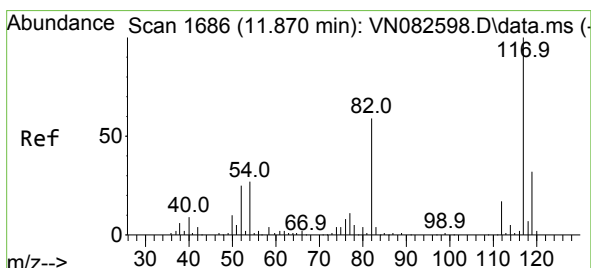
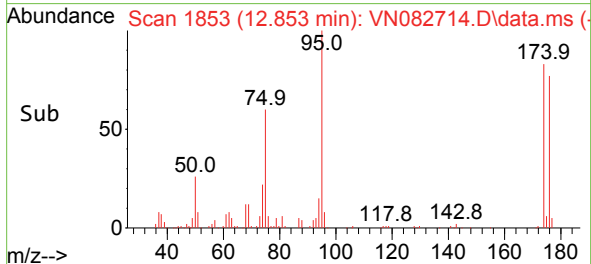
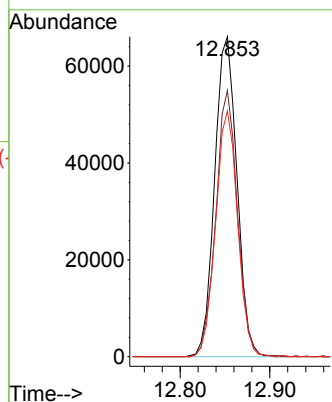
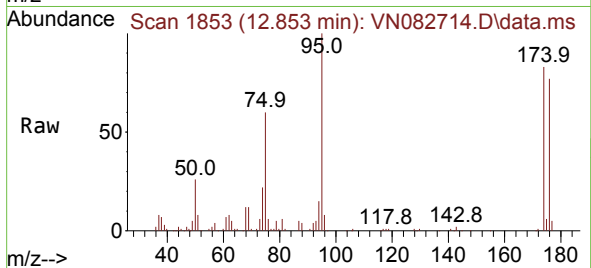




#62
4-Bromofluorobenzene
Concen: 48.615 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

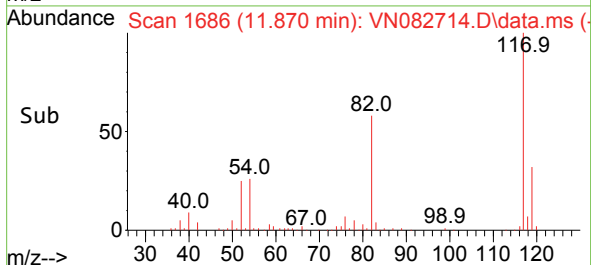
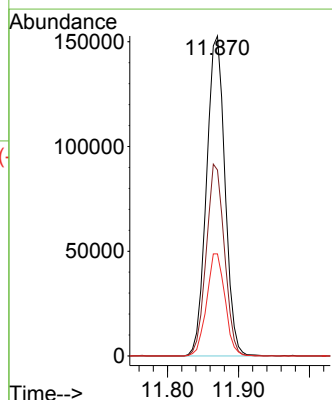
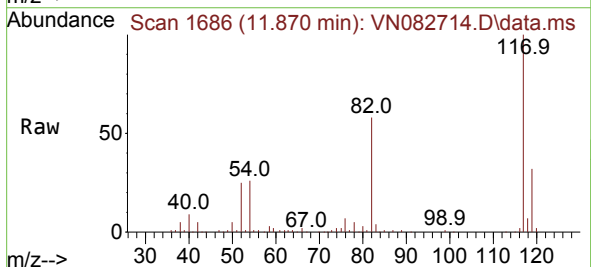
Instrument :
MSVOA_N
ClientSampleId :

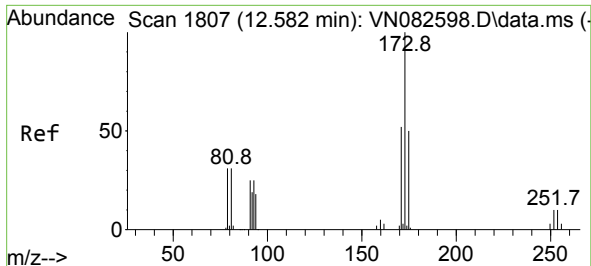
Tgt Ion: 95 Resp: 113667
Ion Ratio Lower Upper
95 100
174 81.4 0.0 159.2
176 75.9 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Tgt Ion: 117 Resp: 276108
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 31.9 25.6 38.4

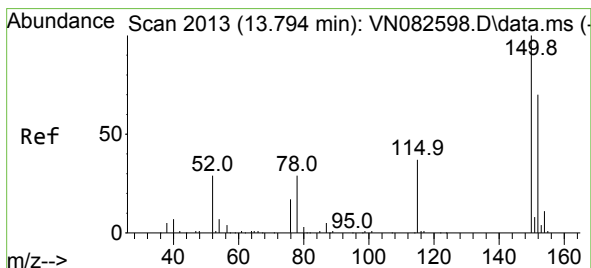
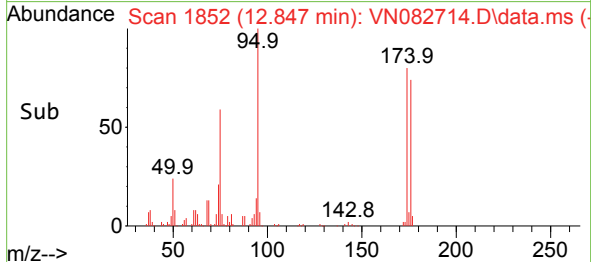
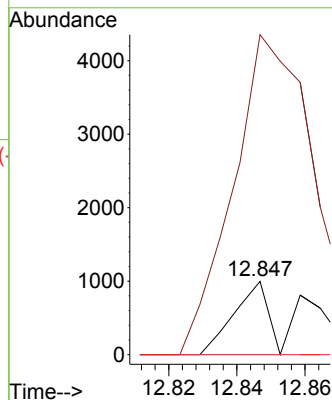
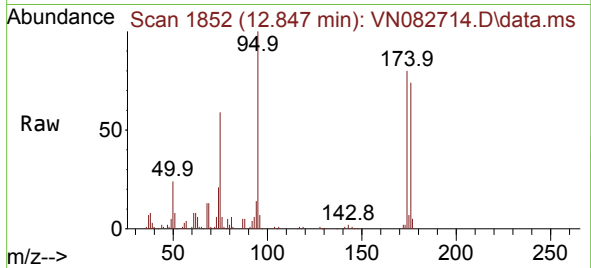




#71
Bromoform
Concen: 0.390 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

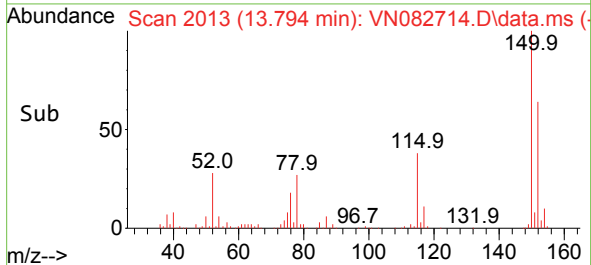
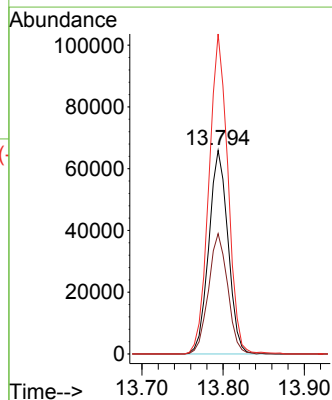
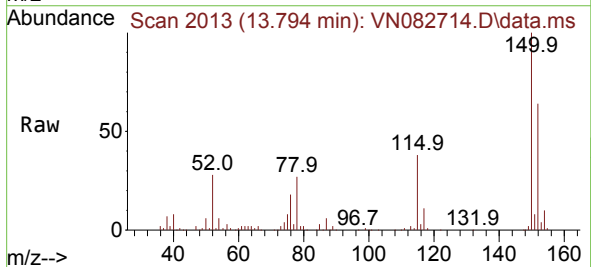
Instrument :
MSVOA_N
ClientSampleId :

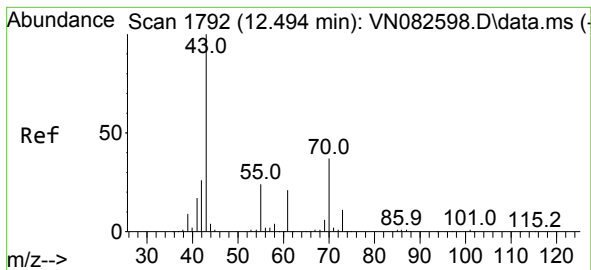
Tgt Ion:173 Resp: 696
Ion Ratio Lower Upper
173 100
175 859.2 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082714.D
Acq: 25 Jun 2024 13:44

Tgt Ion:152 Resp: 108120
Ion Ratio Lower Upper
152 100
115 59.0 30.6 91.6
150 155.4 0.0 348.6





#74

N-amy1 acetate

Concen: 0.444 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

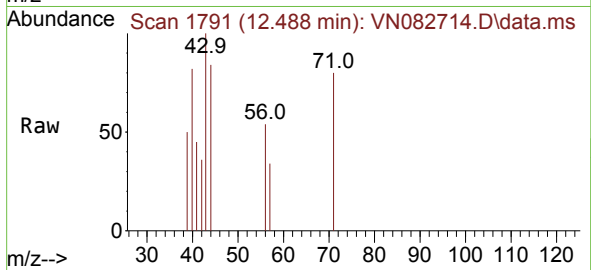
Lab File: VN082714.D

Acq: 25 Jun 2024 13:44

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1945

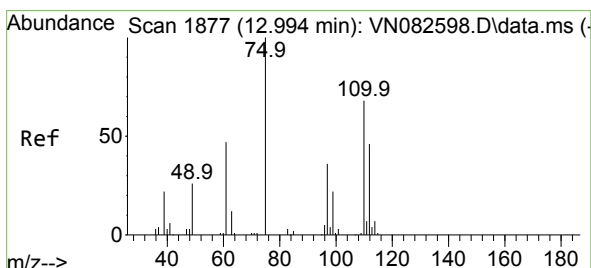
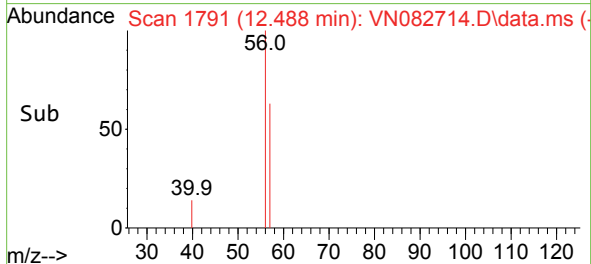
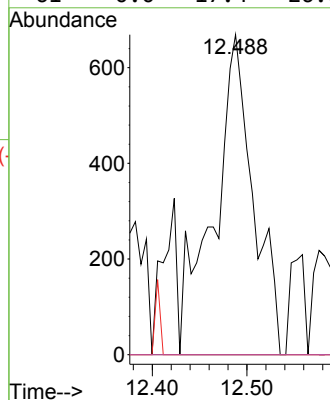
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 0.0 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 25.339 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082714.D

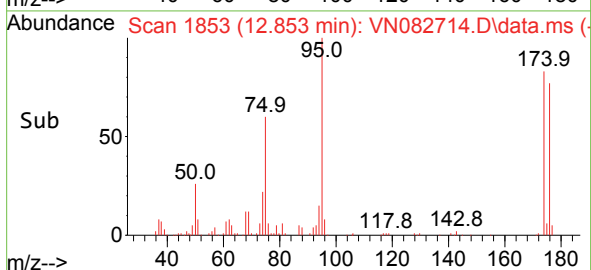
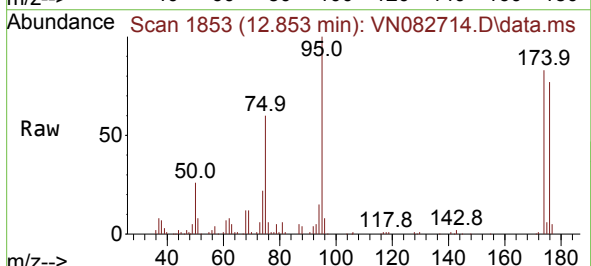
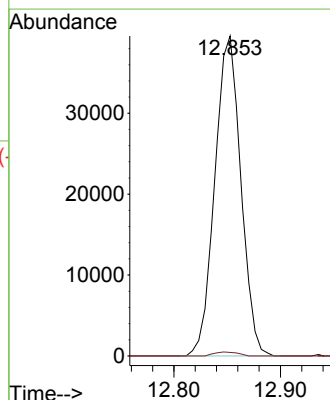
Acq: 25 Jun 2024 13:44

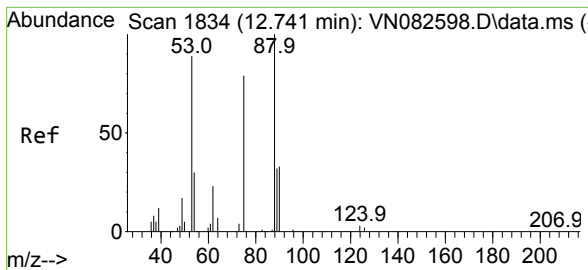
Tgt Ion: 75 Resp: 67009

Ion Ratio Lower Upper

75 100

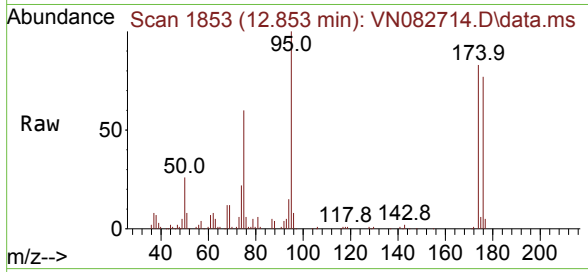
77 1.1 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.623 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082714.D
 Acq: 25 Jun 2024 13:44

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	67009
Ion	Ratio	Lower	Upper
75	100		
53	0.0	88.4	132.6#
89	0.0	36.3	54.5#

