

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062524\
 Data File : VN082717.D
 Acq On : 25 Jun 2024 14:58
 Operator : JC\MD
 Sample : PB161676ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 26 01:23:12 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)

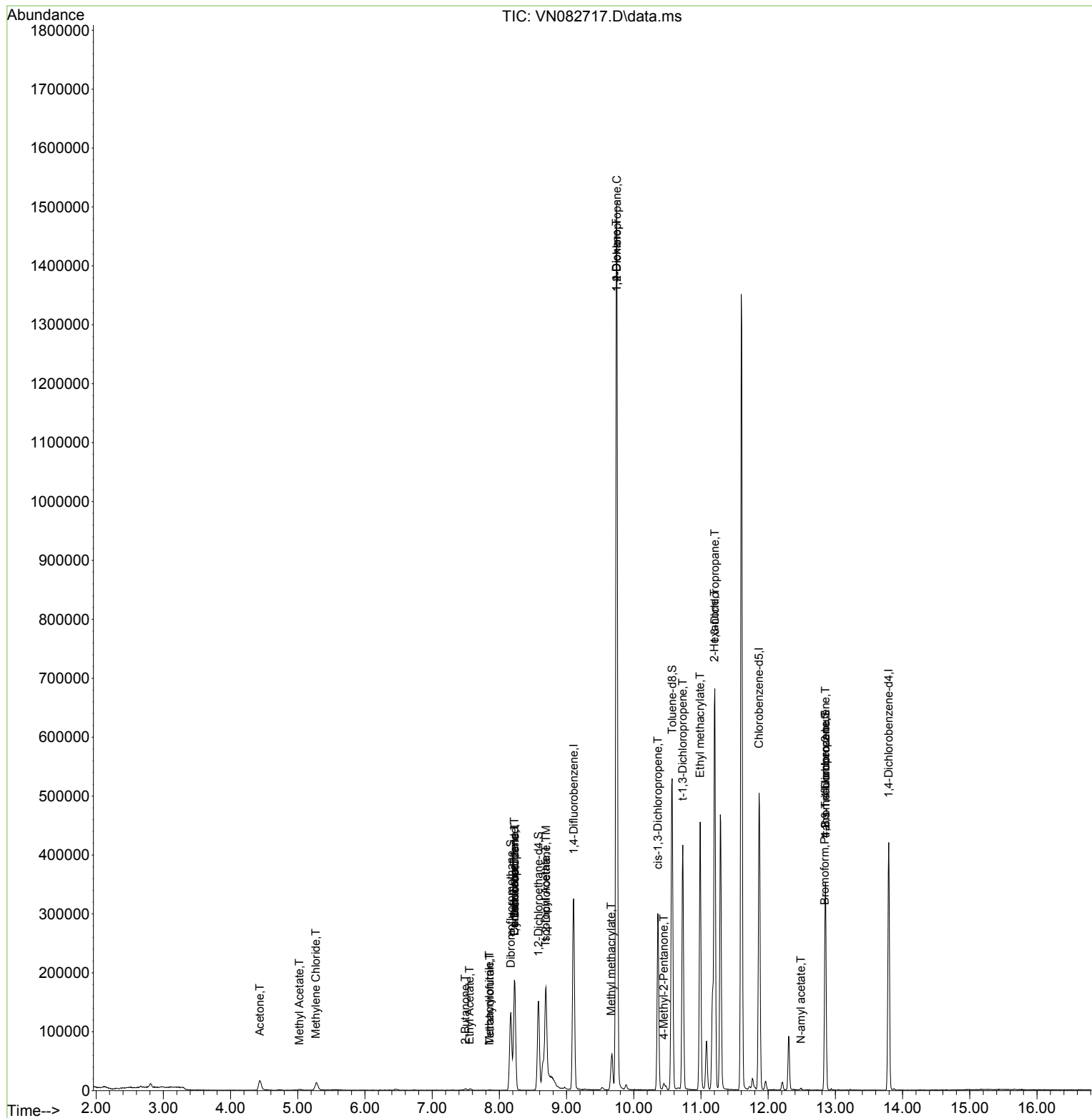
Internal Standards						
1) Pentafluorobenzene	8.224	168	128026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	257101	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	120970	58.922	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.840%			
35) Dibromofluoromethane	8.171	113	91140	52.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	10.571	98	348116	52.779	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.560%			
62) 4-Bromofluorobenzene	12.853	95	108818	47.854	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 95.700%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	32411	34.712	ug/l	97
18) Methyl Acetate	5.024	43	1212	0.531	ug/l #	91
20) Methylene Chloride	5.271	84	8986	5.474	ug/l	89
25) 2-Butanone	7.494	43	4404	3.318	ug/l #	78
29) Tetrahydrofuran	7.859	42	481	0.592	ug/l #	50
31) Cyclohexane	8.224	56	3899	1.316	ug/l #	36
36) 1,1-Dichloropropene	8.230	75	12182	4.672	ug/l #	52
37) Ethyl Acetate	7.559	43	4404	1.326	ug/l #	79
38) Carbon Tetrachloride	8.224	117	14281	4.860	ug/l #	18
41) Methacrylonitrile	7.853	41	458	0.270	ug/l #	33
42) 1,2-Dichloroethane	8.694	62	1002	0.327	ug/l #	78
43) Isopropyl Acetate	8.688	43	249761	40.240	ug/l #	82
45) 1,2-Dichloropropane	9.747	63	1625	0.784	ug/l #	44
48) Methyl methacrylate	9.665	41	4590	1.794	ug/l #	54
49) 1,4-Dioxane	9.741	88	143	3.573	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12764	4.009	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	835	0.273	ug/l #	19
54) cis-1,3-Dichloropropene	10.359	75	44815	14.146	ug/l #	73
56) Ethyl methacrylate	10.988	69	2264	0.774	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6457	1.977	ug/l #	43
59) 2-Hexanone	11.200	43	103249	42.671	ug/l #	54
71) Bromoform	12.841	173	692	0.402	ug/l #	1
74) N-amyl acetate	12.488	43	1890	0.442	ug/l #	50
76) 1,2,3-Trichloropropane	12.853	75	63574	24.637	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63574	58.942	ug/l #	6

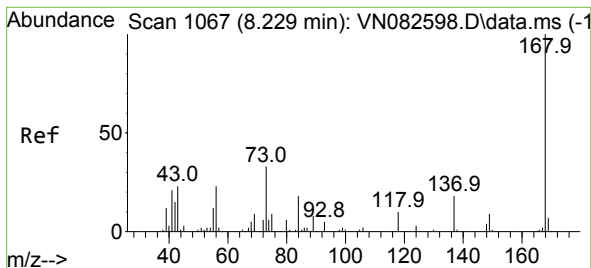
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB161676ZHE#09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

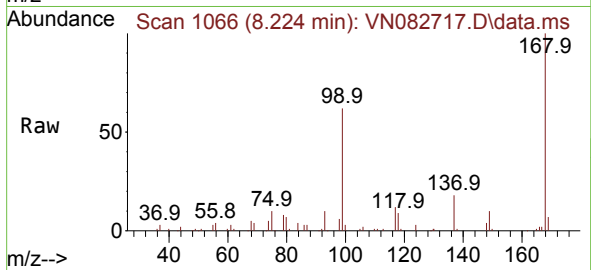
Quant Time: Jun 26 01:23:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
Response via : Initial Calibration



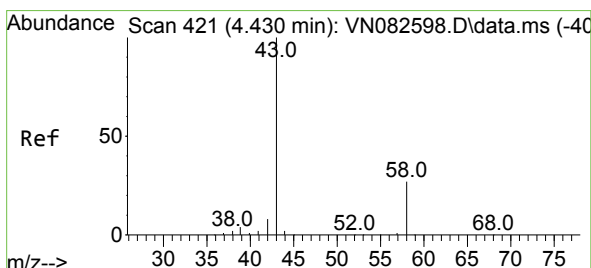
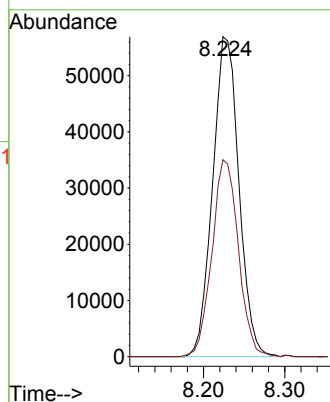
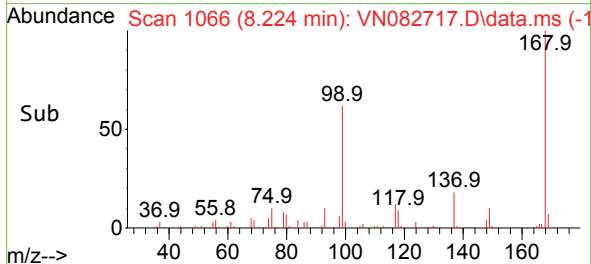


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

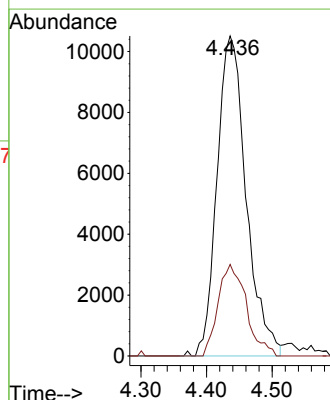
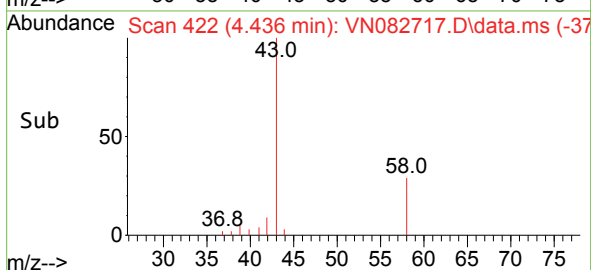
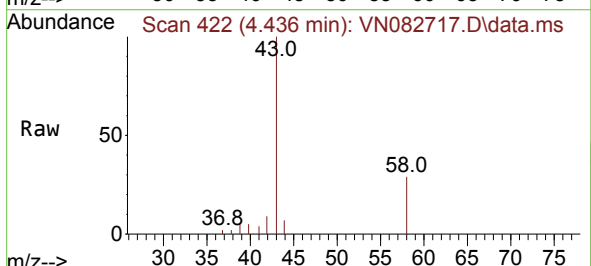


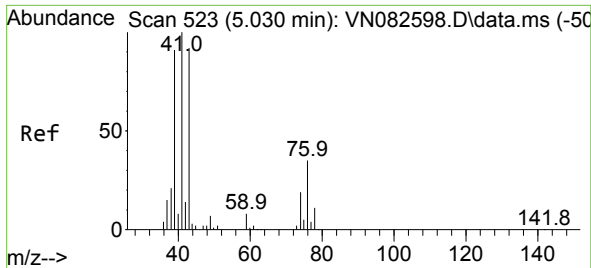
Tgt Ion:168 Resp: 128026
Ion Ratio Lower Upper
168 100
99 61.6 48.2 72.4



#16
Acetone
Concen: 34.712 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Tgt Ion: 43 Resp: 32411
Ion Ratio Lower Upper
43 100
58 28.6 21.8 32.6

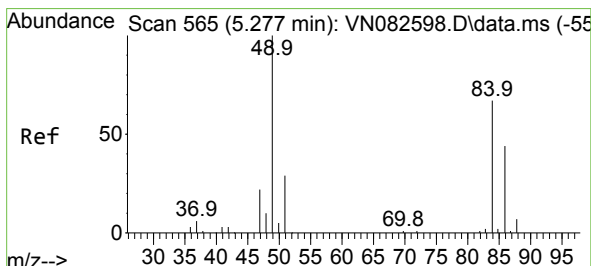
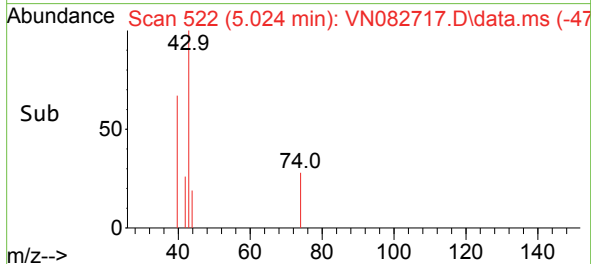
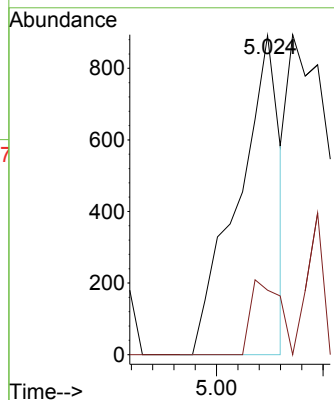
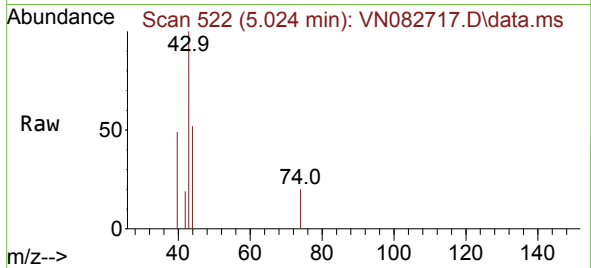




#18
Methyl Acetate
Concen: 0.531 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

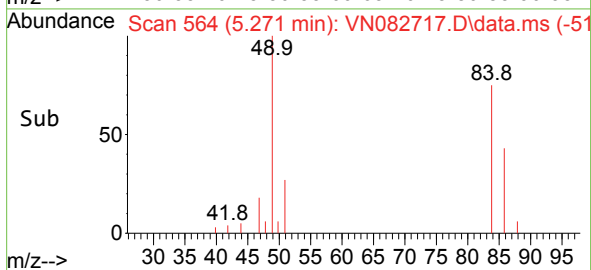
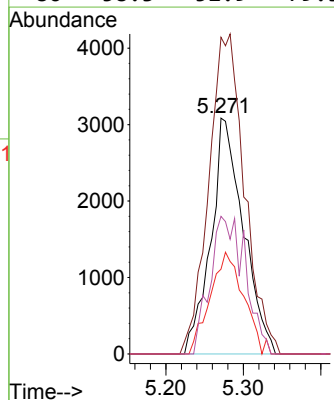
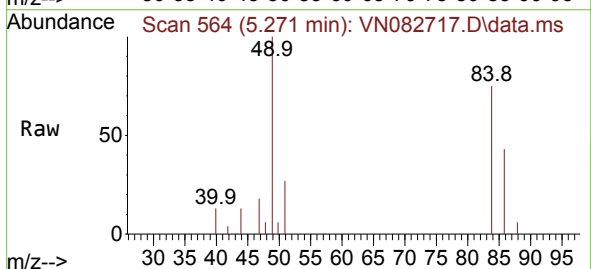
Instrument :
MSVOA_N
ClientSampleId :

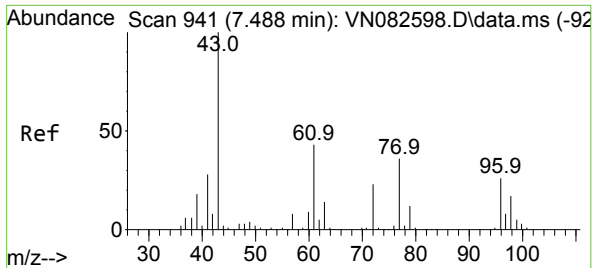
Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
74 16.1 16.3 24.5#



#20
Methylene Chloride
Concen: 5.474 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Tgt Ion: 84 Resp: 8986
Ion Ratio Lower Upper
84 100
49 134.2 119.6 179.4
51 35.9 34.8 52.2
86 58.3 52.9 79.3

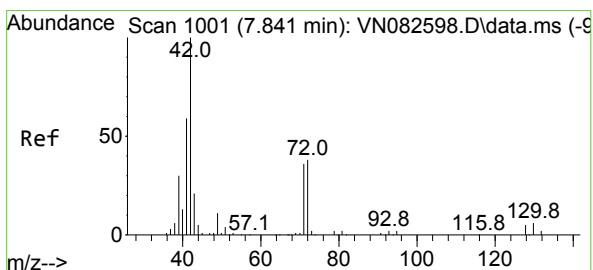
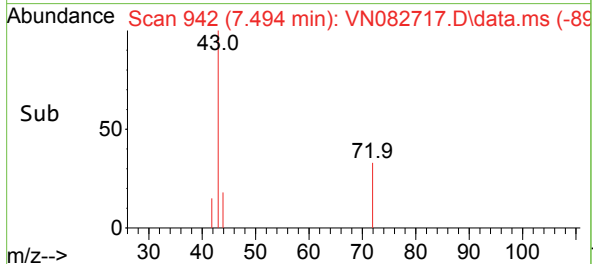
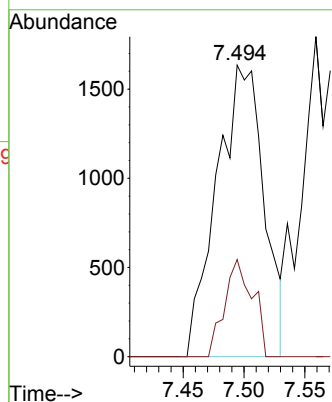
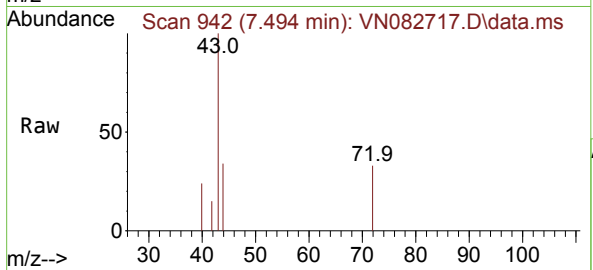




#25
2-Butanone
Concen: 3.318 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

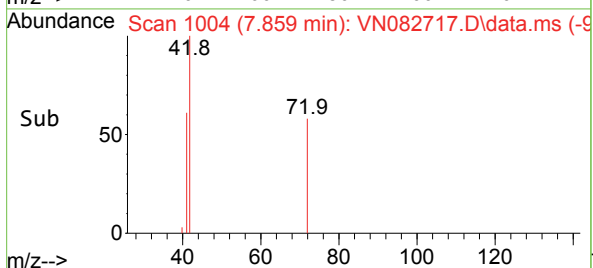
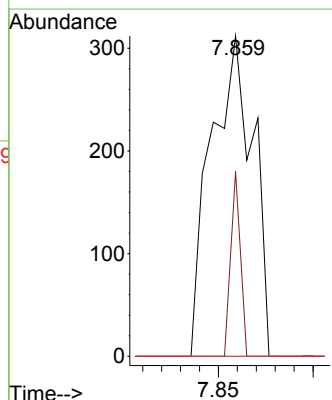
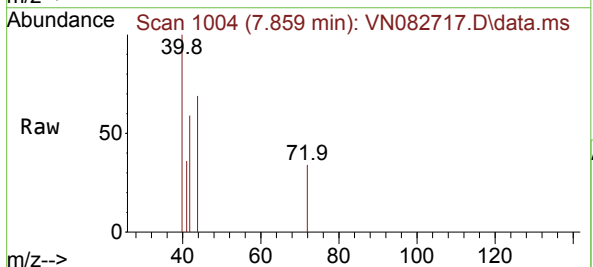
Instrument :
MSVOA_N
ClientSampleId :

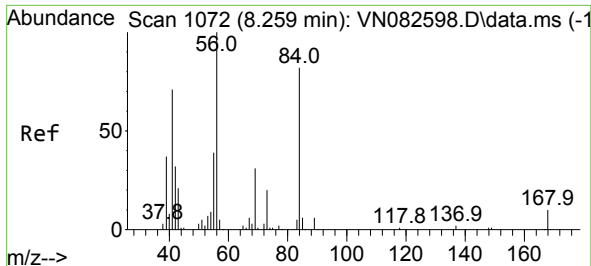
Tgt Ion: 43 Resp: 4404
Ion Ratio Lower Upper
43 100
72 33.3 18.2 27.2#



#29
Tetrahydrofuran
Concen: 0.592 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

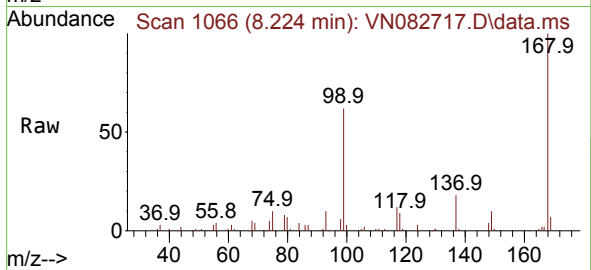
Tgt Ion: 42 Resp: 481
Ion Ratio Lower Upper
42 100
72 13.3 30.0 45.0#
71 0.0 28.3 42.5#



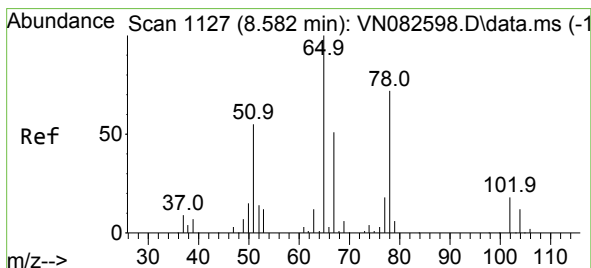
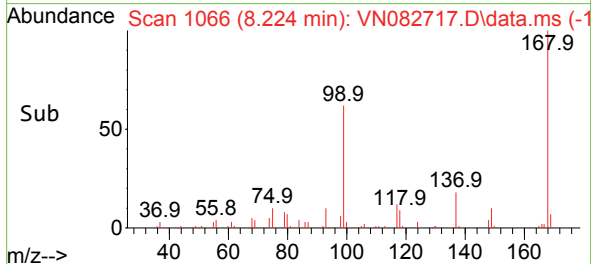
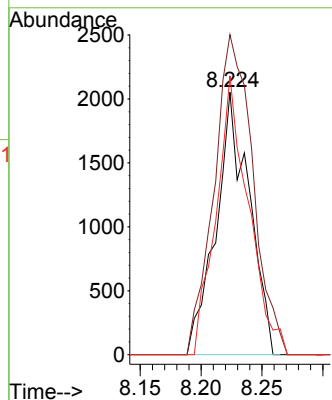


#31
Cyclohexane
Concen: 1.316 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

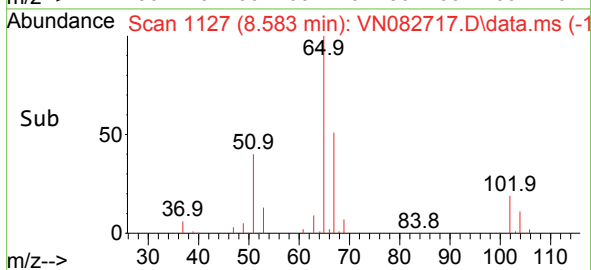
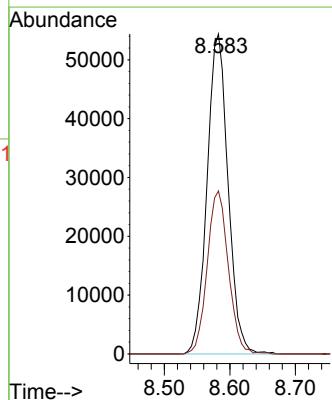
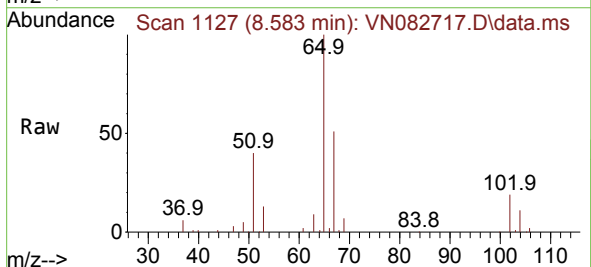


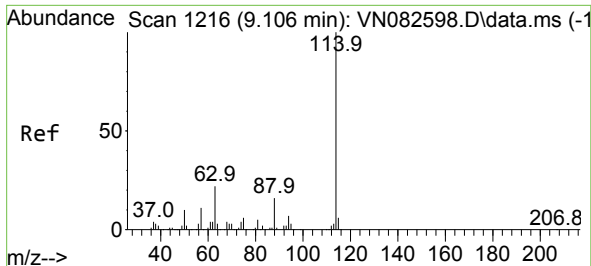
Tgt Ion: 56 Resp: 3899
Ion Ratio Lower Upper
56 100
69 121.9 24.5 36.7#
84 106.2 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 58.922 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Tgt Ion: 65 Resp: 120970
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

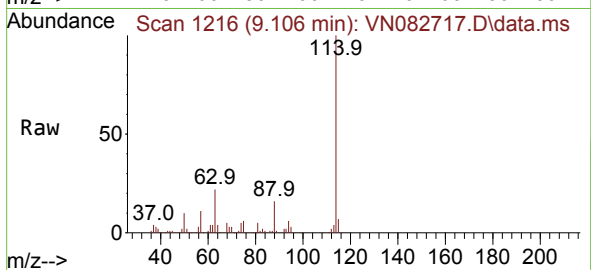
Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



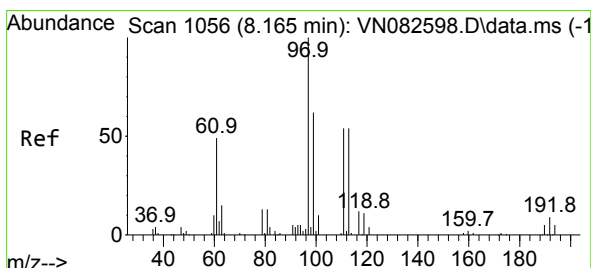
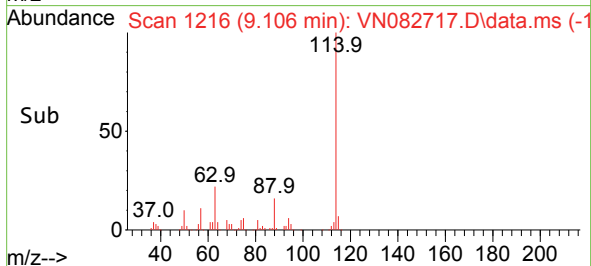
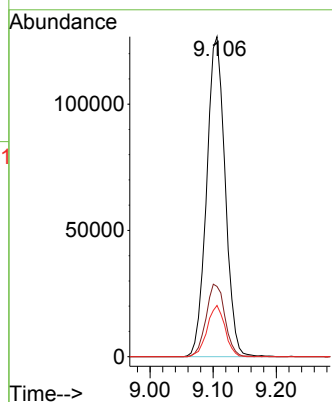
Tgt Ion:114 Resp: 257101

Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.6

88 16.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.255 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

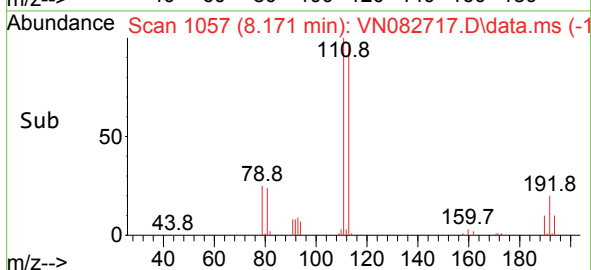
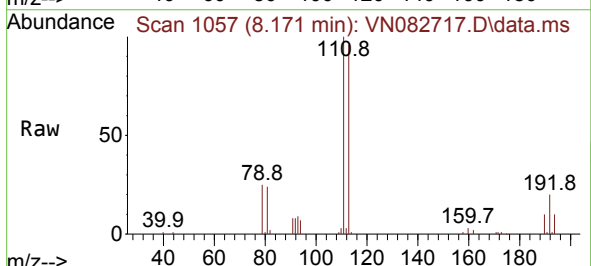
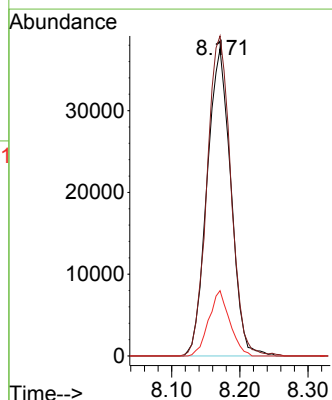
Tgt Ion:113 Resp: 91140

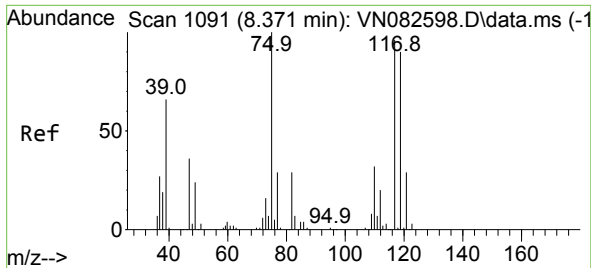
Ion Ratio Lower Upper

113 100

111 104.6 82.4 123.6

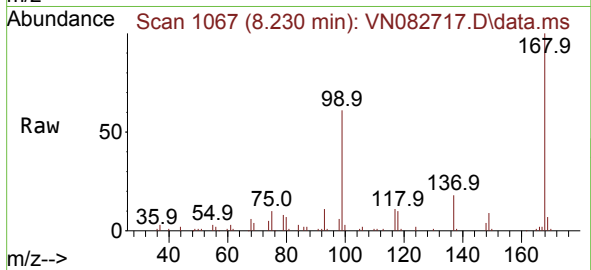
192 18.8 14.9 22.3



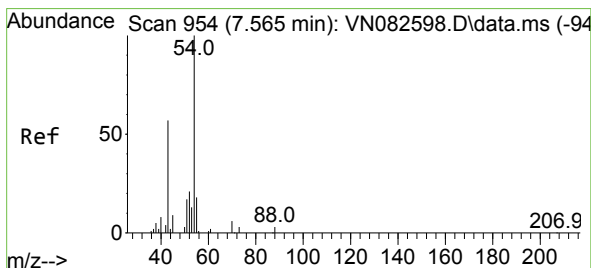
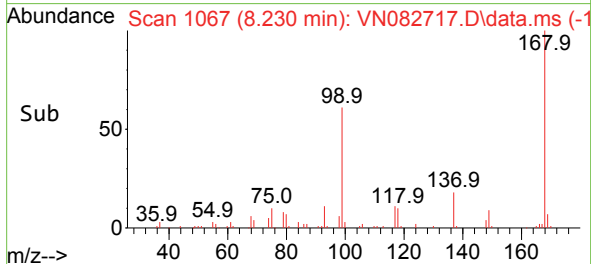
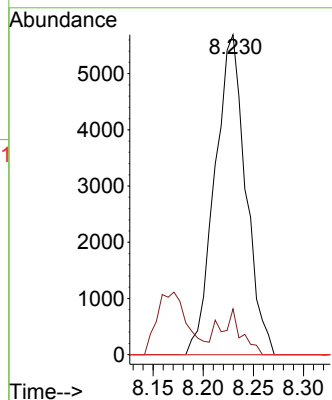


#36
1,1-Dichloropropene
Concen: 4.672 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Instrument :
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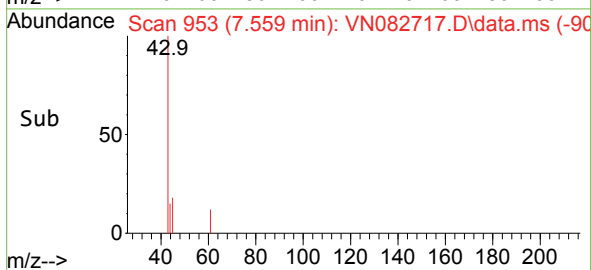
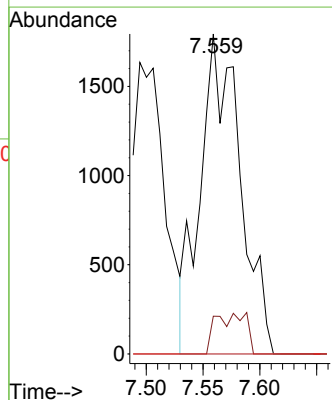
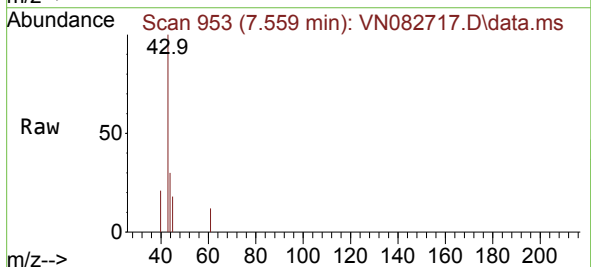


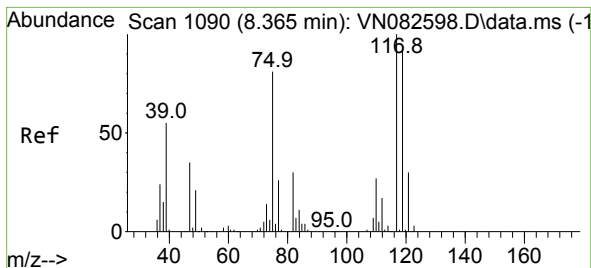
Tgt Ion: 75 Resp: 12182
Ion Ratio Lower Upper
75 100
110 9.5 16.3 48.9#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 1.326 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.006 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Tgt Ion: 43 Resp: 4404
Ion Ratio Lower Upper
43 100
61 4.6 9.3 13.9#
70 0.0 7.0 10.6#





#38

Carbon Tetrachloride

Concen: 4.860 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

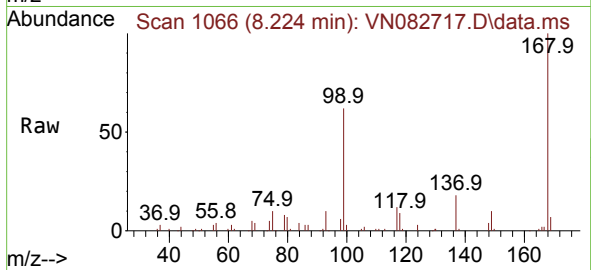
Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



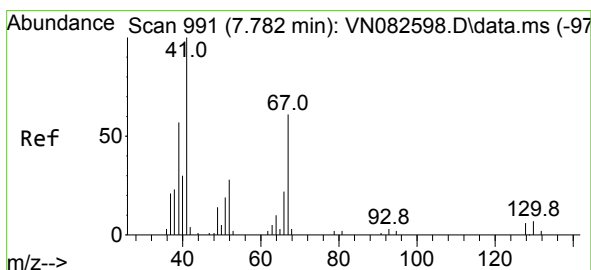
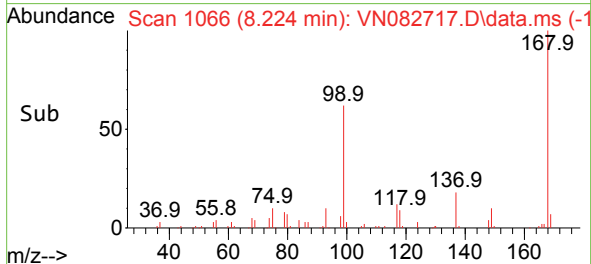
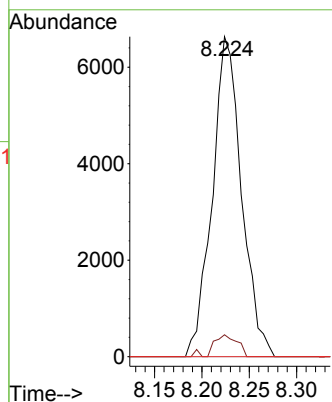
Tgt Ion:117 Resp: 14281

Ion Ratio Lower Upper

117 100

119 6.9 74.9 112.3#

121 0.0 24.3 36.5#



#41

Methacrylonitrile

Concen: 0.270 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.071 min

Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Tgt Ion: 41 Resp: 458

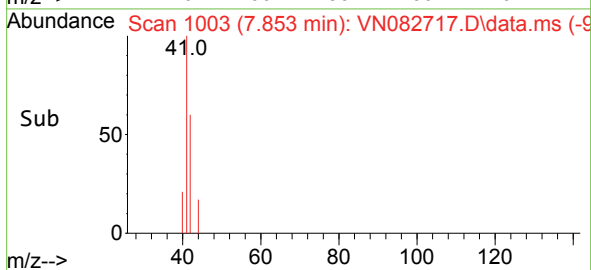
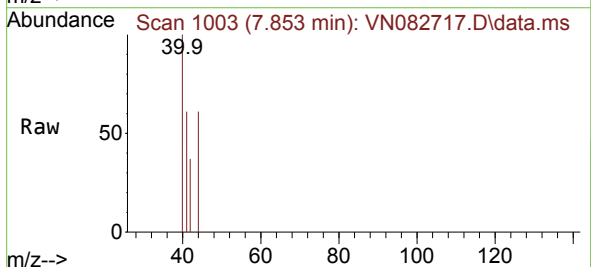
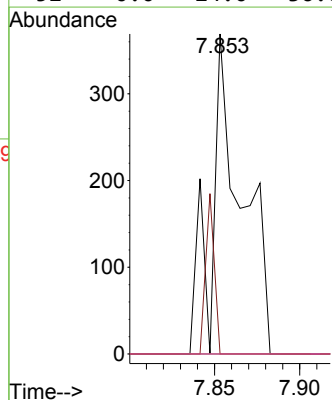
Ion Ratio Lower Upper

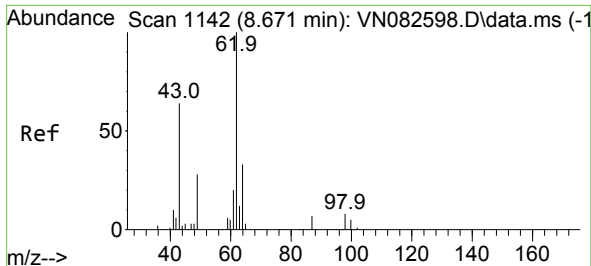
41 100

39 14.2 45.5 68.3#

67 0.0 50.5 75.7#

52 0.0 24.0 36.0#





#42

1,2-Dichloroethane

Concen: 0.327 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Instrument :

MSVOA_N

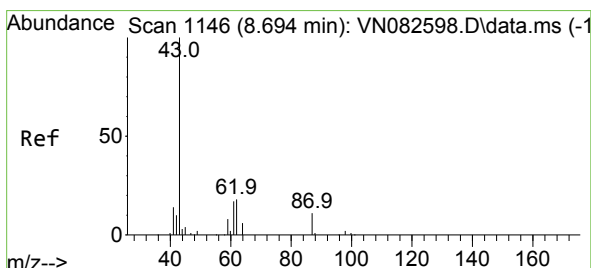
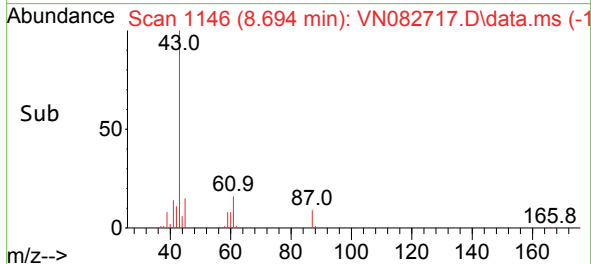
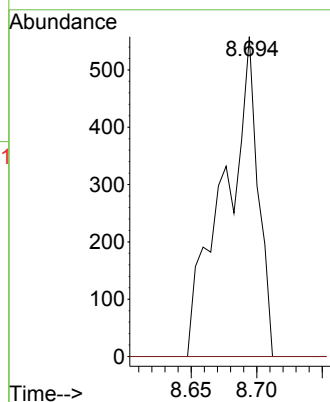
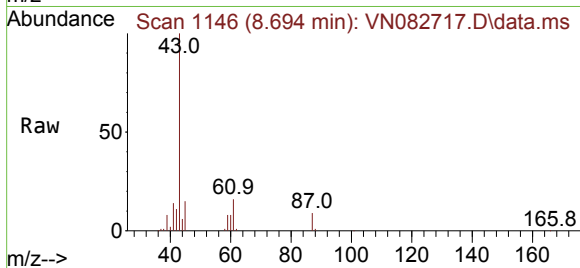
ClientSampleId :

Tgt Ion: 62 Resp: 1002

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 40.240 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

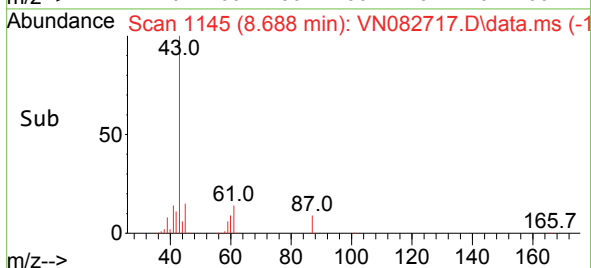
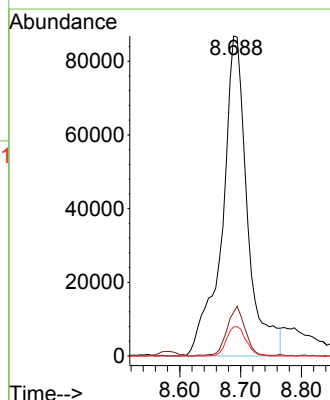
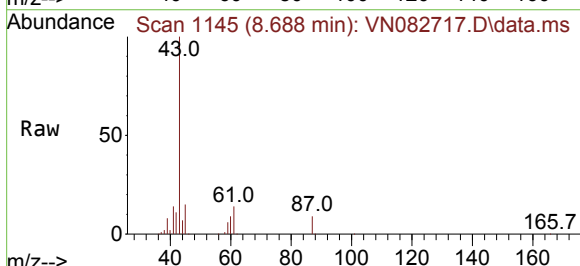
Tgt Ion: 43 Resp: 249761

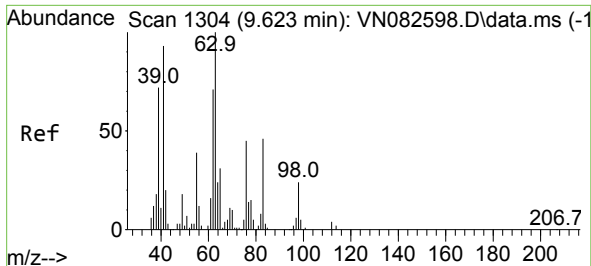
Ion Ratio Lower Upper

43 100

61 11.2 17.8 26.6#

87 7.0 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.784 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Instrument :

MSVOA_N

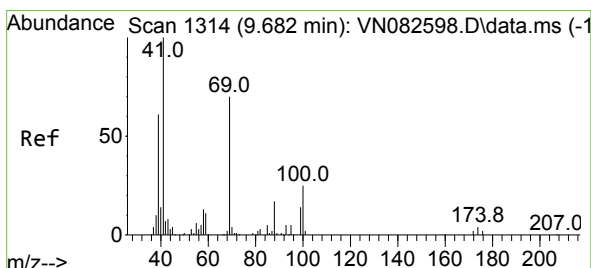
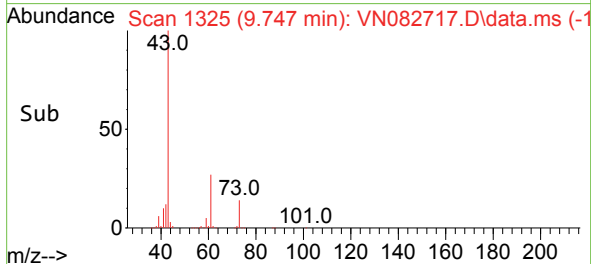
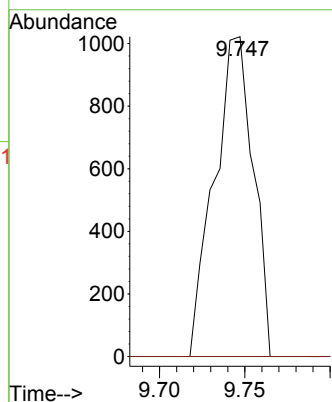
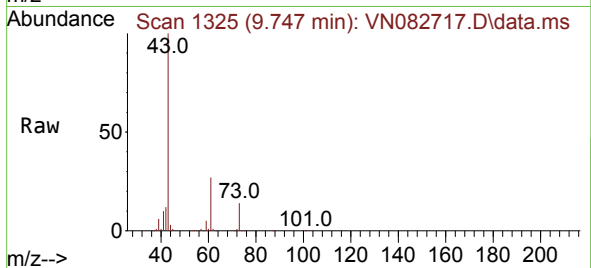
ClientSampleId :

Tgt Ion: 63 Resp: 1625

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.794 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.017 min

Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

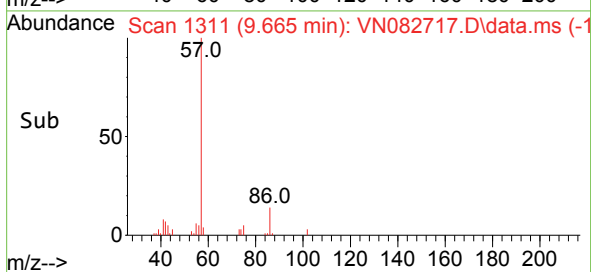
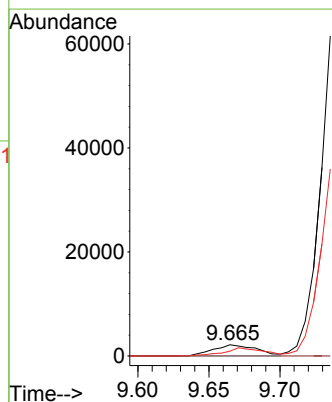
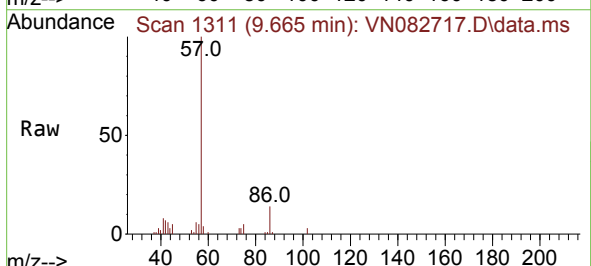
Tgt Ion: 41 Resp: 4590

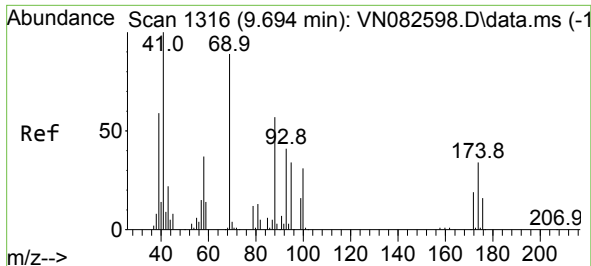
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 64.6 50.3 75.5





#49

1,4-Dioxane

Concen: 3.573 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

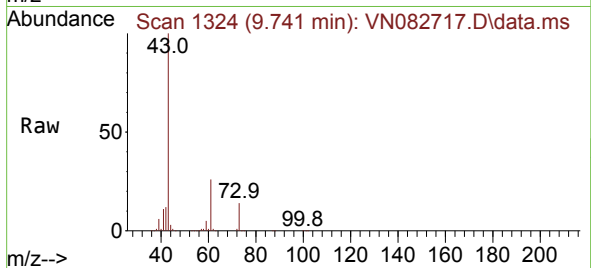
Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



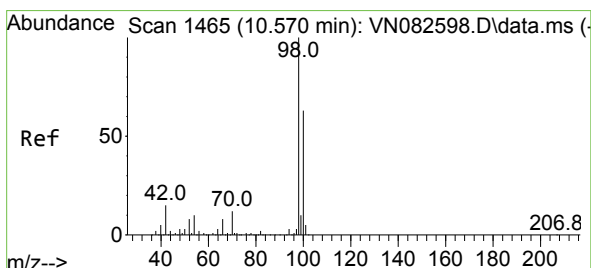
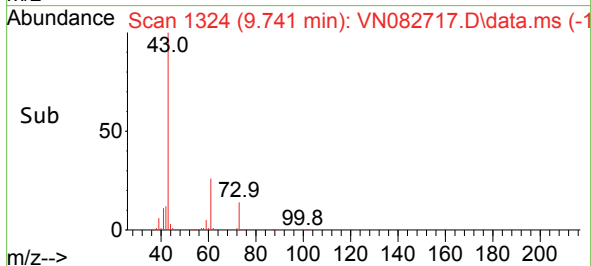
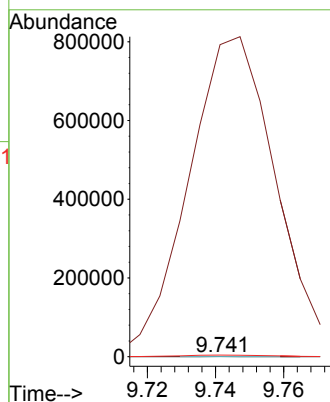
Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

43 1023450.3 27.8 41.8#

58 5541.3 59.4 89.0#



#50

Toluene-d8

Concen: 52.779 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082717.D

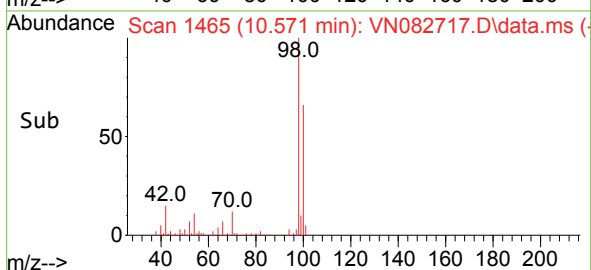
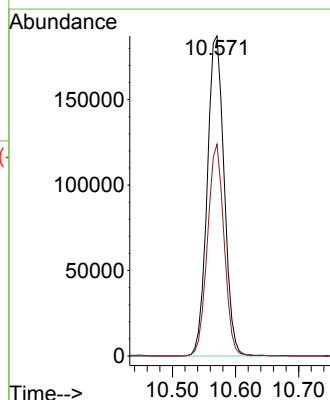
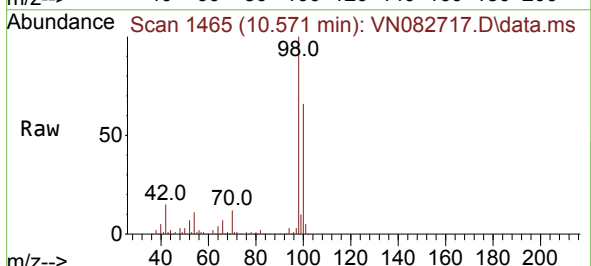
Acq: 25 Jun 2024 14:58

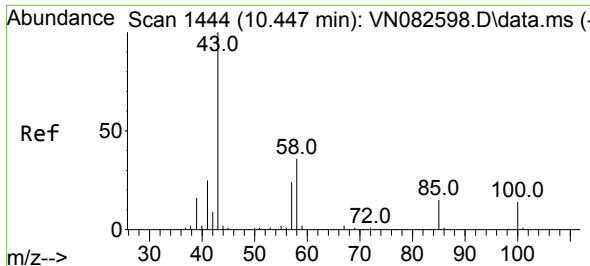
Tgt Ion: 98 Resp: 348116

Ion Ratio Lower Upper

98 100

100 64.8 51.5 77.3

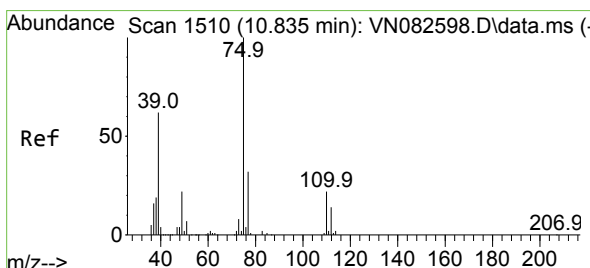
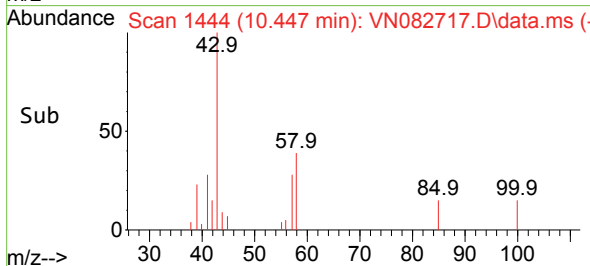
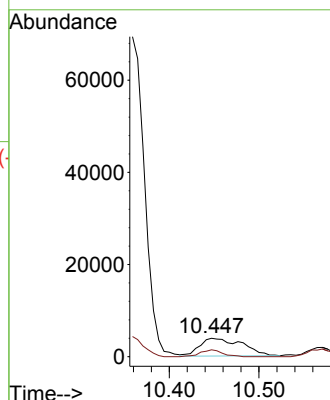
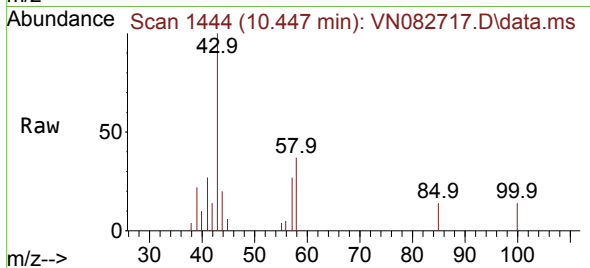




#51
4-Methyl-2-Pentanone
Concen: 4.009 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

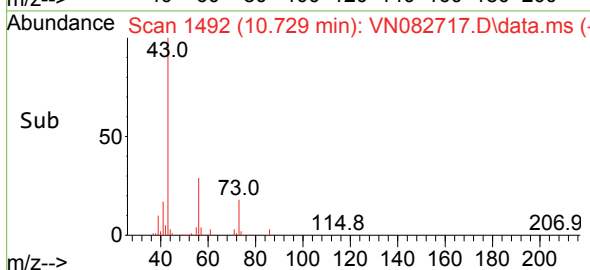
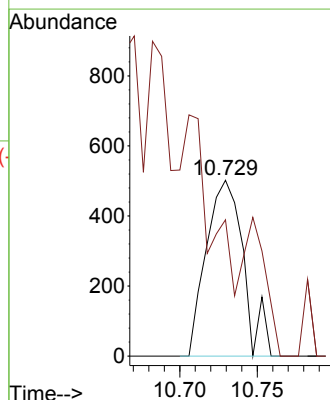
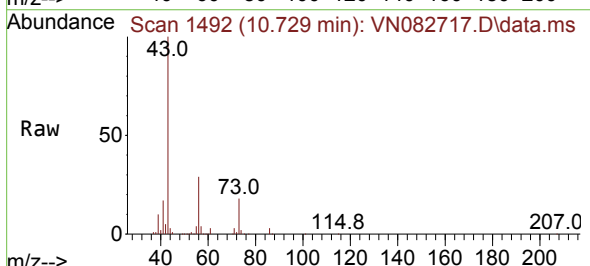
Instrument :
MSVOA_N
ClientSampleId :

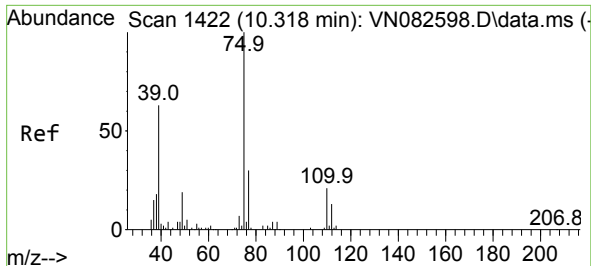
Tgt Ion: 43 Resp: 12764
Ion Ratio Lower Upper
43 100
58 20.1 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

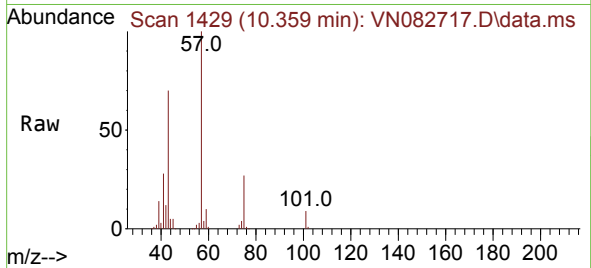
Tgt Ion: 75 Resp: 835
Ion Ratio Lower Upper
75 100
77 77.5 25.7 38.5#



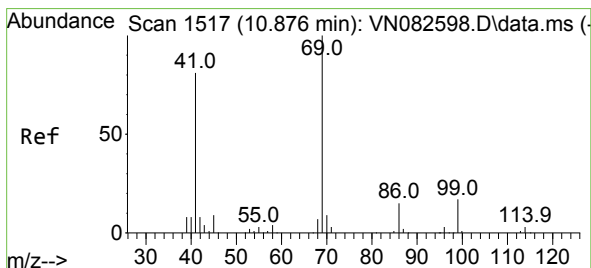
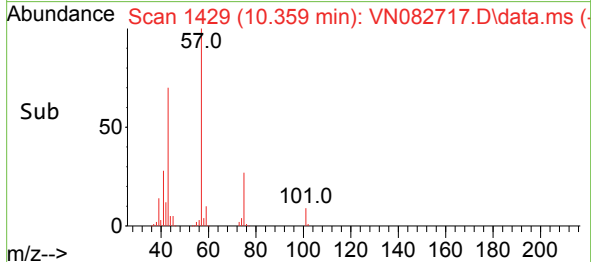
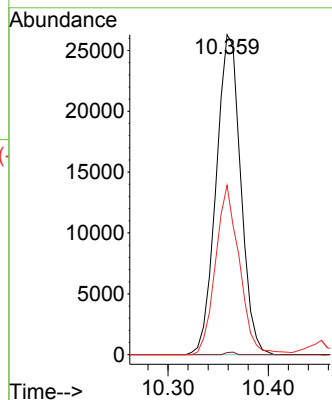


#54
 cis-1,3-Dichloropropene
 Concen: 14.146 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.041 min
 Lab File: VN082717.D
 Acq: 25 Jun 2024 14:58

Instrument :
 MSVOA_N
 ClientSampleId :

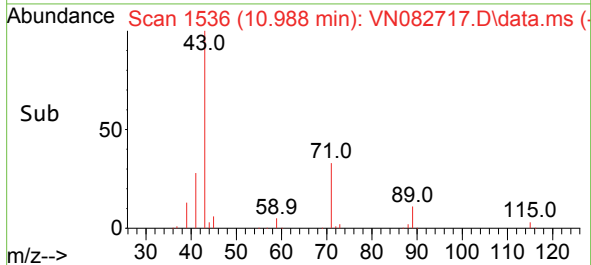
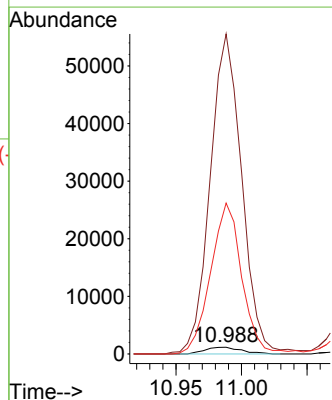
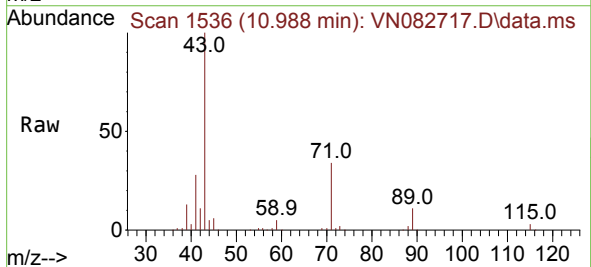


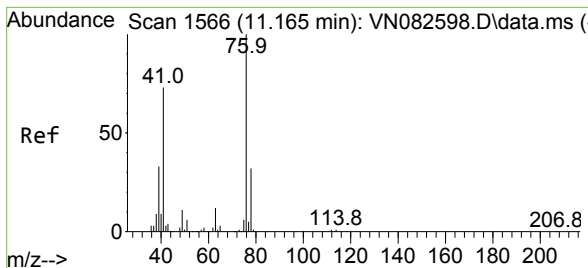
Tgt Ion: 75 Resp: 44815
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.3 36.5#
 39 53.0 50.5 75.7



#56
 Ethyl methacrylate
 Concen: 0.774 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082717.D
 Acq: 25 Jun 2024 14:58

Tgt Ion: 69 Resp: 2264
 Ion Ratio Lower Upper
 69 100
 41 4120.5 63.4 95.2#
 39 1926.1 37.4 56.0#

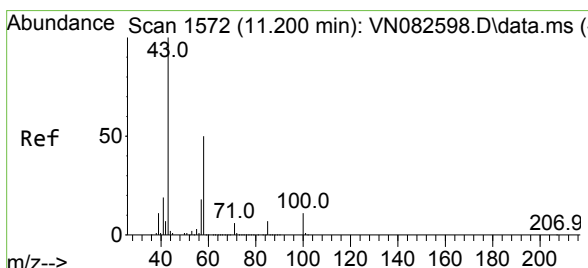
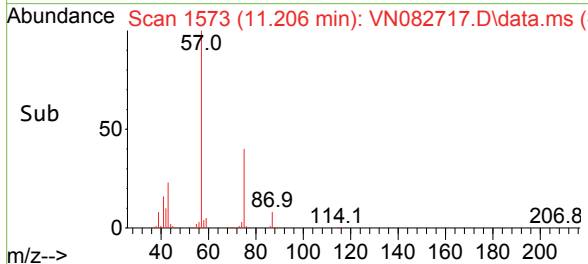
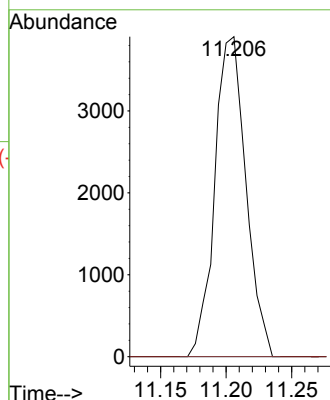
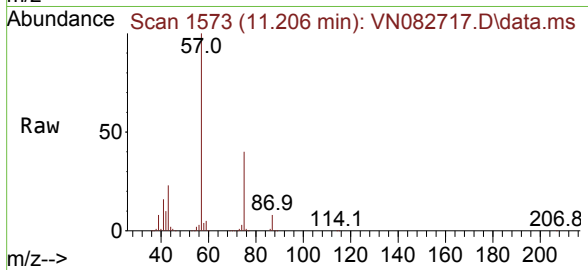




#57
1,3-Dichloropropane
Concen: 1.977 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

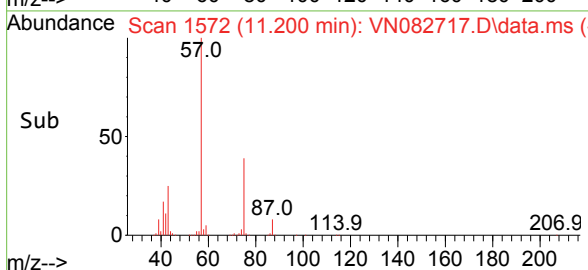
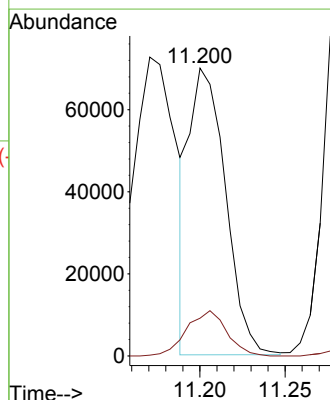
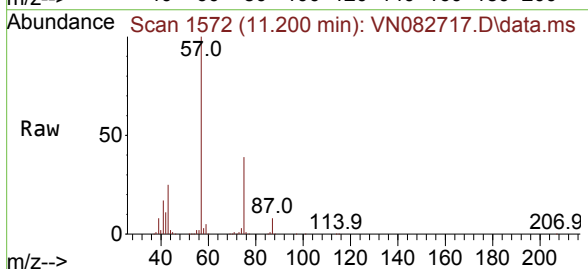
Instrument :
MSVOA_N
ClientSampleId :

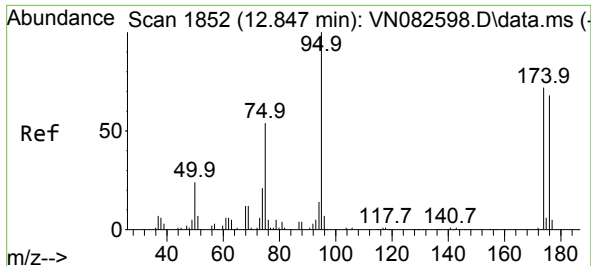
Tgt Ion: 76 Resp: 6457
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#



#59
2-Hexanone
Concen: 42.671 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.000 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Tgt Ion: 43 Resp: 103249
Ion Ratio Lower Upper
43 100
58 17.5 24.6 73.8#

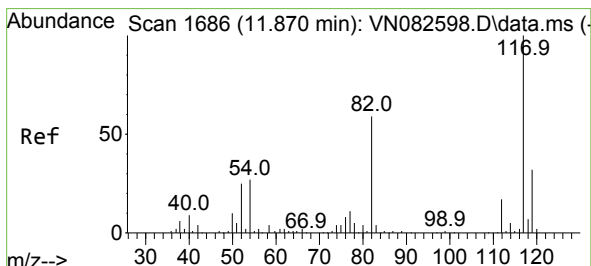
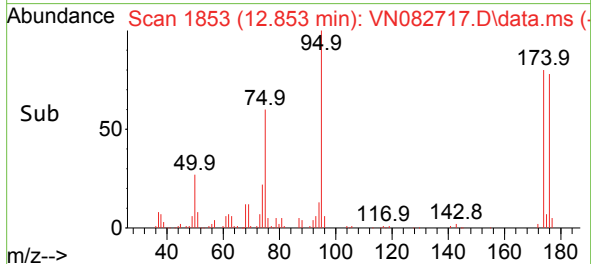
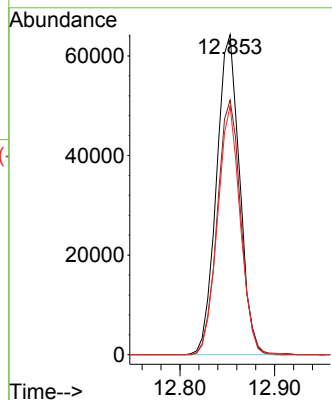
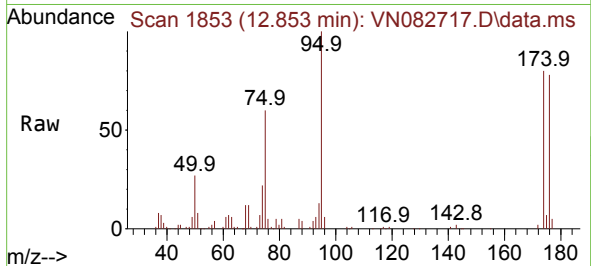




#62
4-Bromofluorobenzene
Concen: 47.854 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

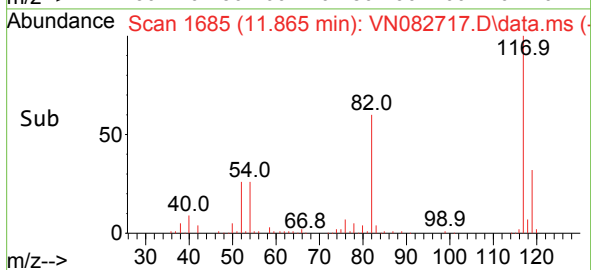
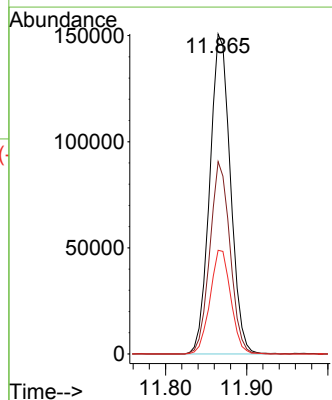
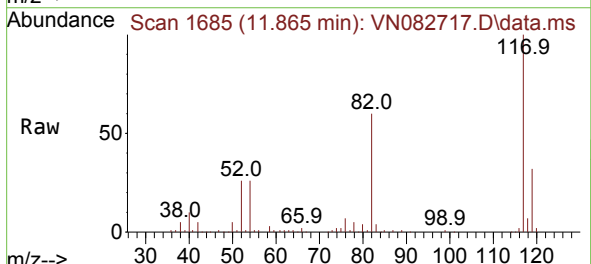
Instrument :
MSVOA_N
ClientSampleId :

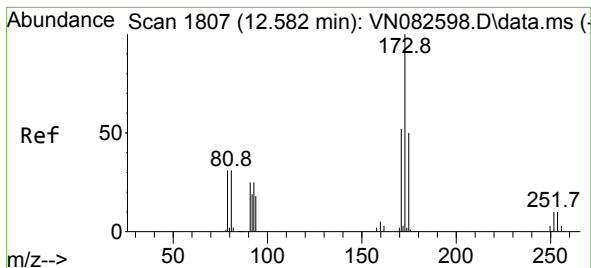
Tgt Ion: 95 Resp: 108818
Ion Ratio Lower Upper
95 100
174 81.3 0.0 159.2
176 76.2 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN082717.D
Acq: 25 Jun 2024 14:58

Tgt Ion: 117 Resp: 266596
Ion Ratio Lower Upper
117 100
82 60.1 47.5 71.3
119 32.4 25.6 38.4





#71

Bromoform

Concen: 0.402 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.259 min

Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

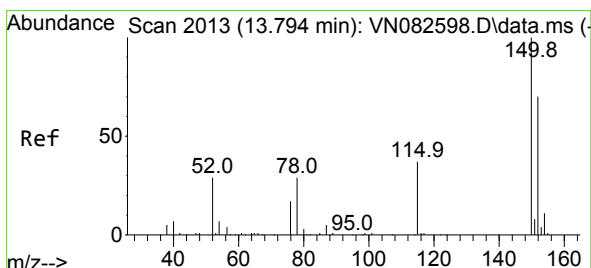
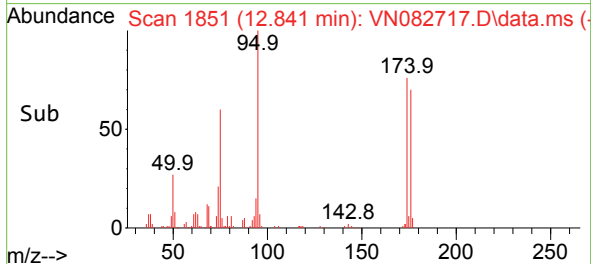
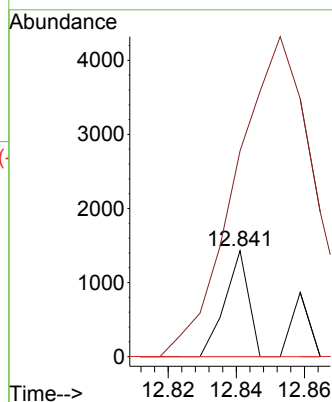
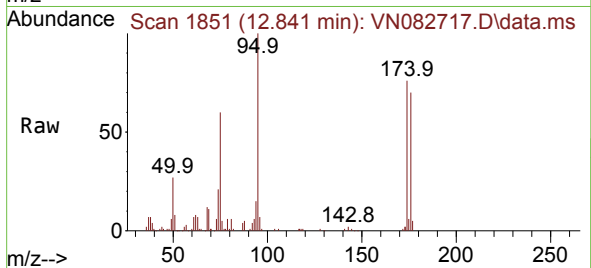
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 692

Ion	Ratio	Lower	Upper
173	100		
175	842.5	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

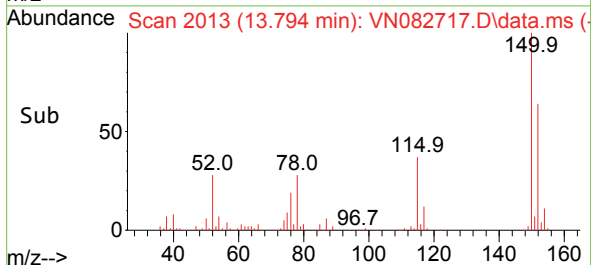
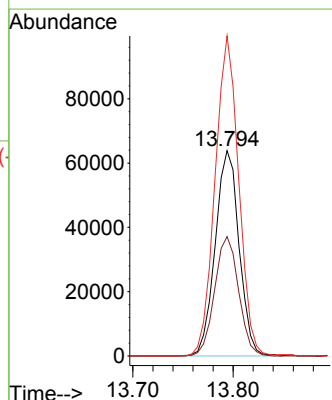
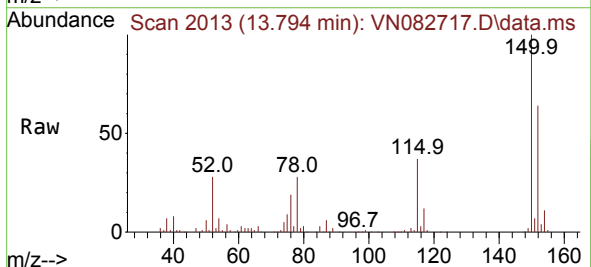
Delta R.T. 0.000 min

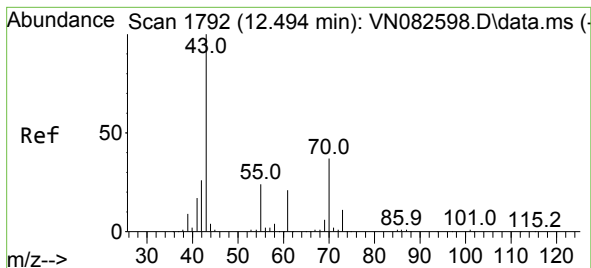
Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Tgt Ion:152 Resp: 105503

Ion	Ratio	Lower	Upper
152	100		
115	58.4	30.6	91.6
150	154.2	0.0	348.6





#74

N-amy1 acetate

Concen: 0.442 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

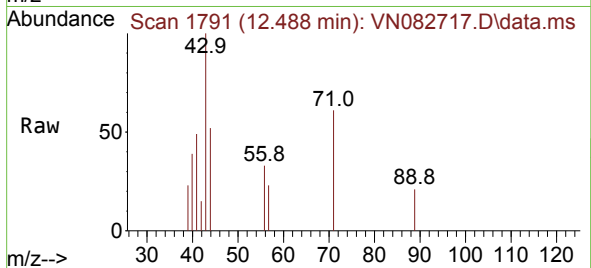
Lab File: VN082717.D

Acq: 25 Jun 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1890

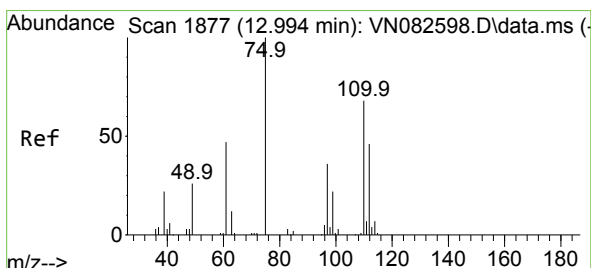
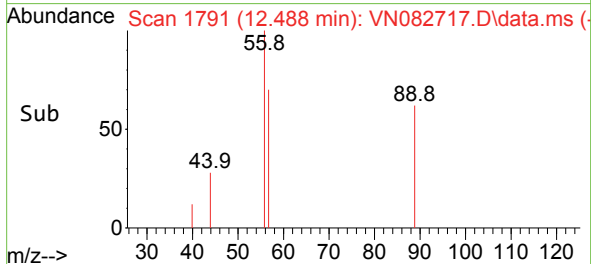
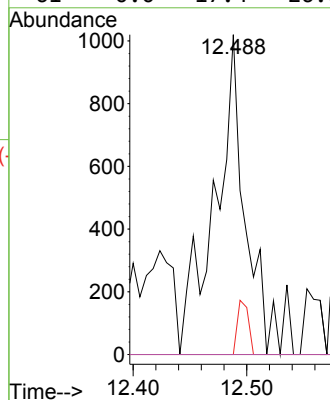
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 6.0 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 24.637 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082717.D

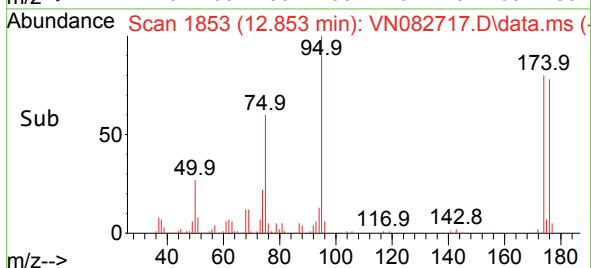
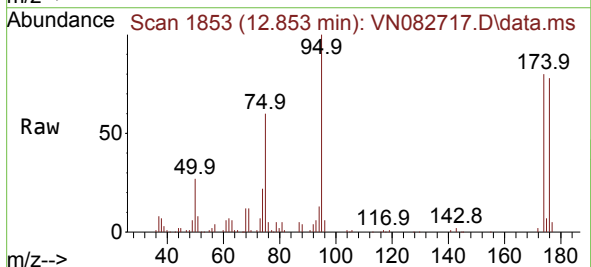
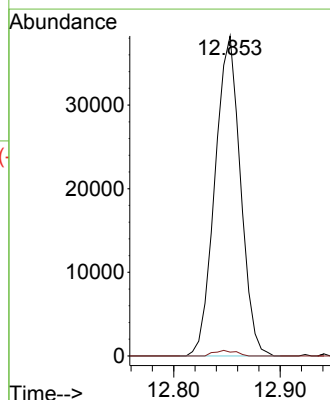
Acq: 25 Jun 2024 14:58

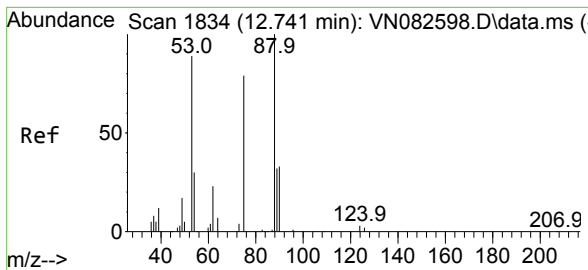
Tgt Ion: 75 Resp: 63574

Ion Ratio Lower Upper

75 100

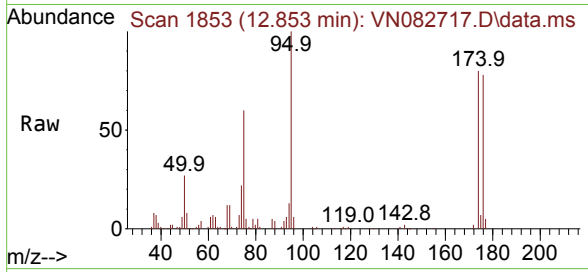
77 1.5 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.942 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082717.D
 Acq: 25 Jun 2024 14:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	63574
Ion	Ratio	Lower	Upper
75	100		
53	0.2	88.4	132.6#
89	0.0	36.3	54.5#

