

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082683.D
 Acq On : 21 Jun 2024 17:21
 Operator : JC\MD
 Sample : PB161606TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 02:15:08 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)

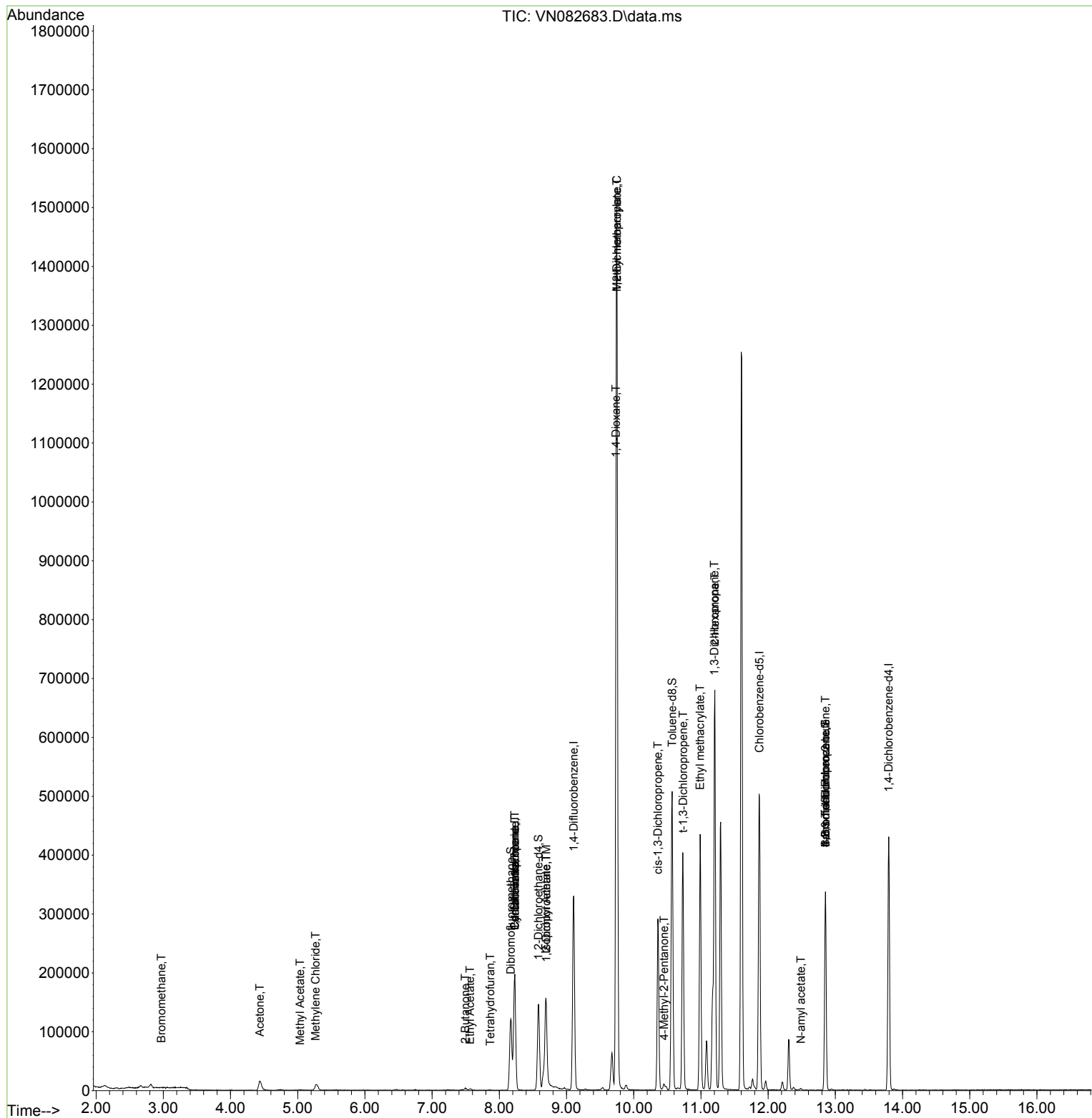
Internal Standards						
1) Pentafluorobenzene	8.230	168	136945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	259725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	272232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	118019	53.740	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	8.171	113	86231	48.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.880%			
50) Toluene-d8	10.571	98	326761	49.041	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.853	95	104106	45.319	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.640%			
Target Compounds						Qvalue
5) Bromomethane	2.971	94	399	0.284	ug/l	89
16) Acetone	4.436	43	31039	31.078	ug/l	94
18) Methyl Acetate	5.036	43	1625	0.665	ug/l #	56
20) Methylene Chloride	5.265	84	3746	2.133	ug/l	82
25) 2-Butanone	7.495	43	5863	4.130	ug/l #	78
29) Tetrahydrofuran	7.865	42	590	0.679	ug/l #	38
31) Cyclohexane	8.230	56	3890	1.227	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	12850	4.879	ug/l #	50
37) Ethyl Acetate	7.565	43	4386	1.307	ug/l #	79
38) Carbon Tetrachloride	8.230	117	14832	4.997	ug/l #	17
42) 1,2-Dichloroethane	8.700	62	731	0.236	ug/l #	78
43) Isopropyl Acetate	8.694	43	202716	32.330	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1622	0.774	ug/l #	44
48) Methyl methacrylate	9.747	41	151880	58.758	ug/l #	52
49) 1,4-Dioxane	9.736	88	58	1.435	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	6391	1.987	ug/l	94
53) t-1,3-Dichloropropene	10.736	75	715	0.231	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	43397	13.560	ug/l #	71
56) Ethyl methacrylate	10.988	69	2058	0.696	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6482	1.964	ug/l #	43
59) 2-Hexanone	11.206	43	104515	42.758	ug/l #	55
71) Bromoform	12.853	173	1008	0.573	ug/l #	1
74) N-amyl acetate	12.488	43	2203	0.495	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	60488	22.510	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	60488	53.855	ug/l #	6

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

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

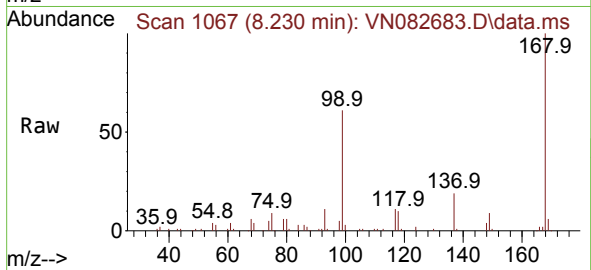
Quant Time: Jun 24 02:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:52:44 2024
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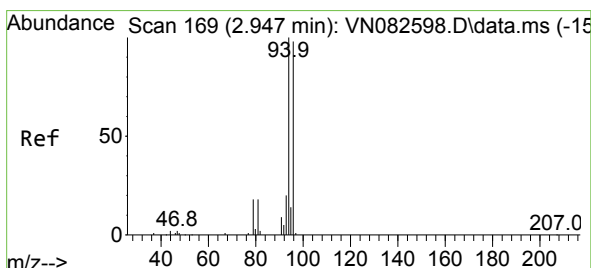
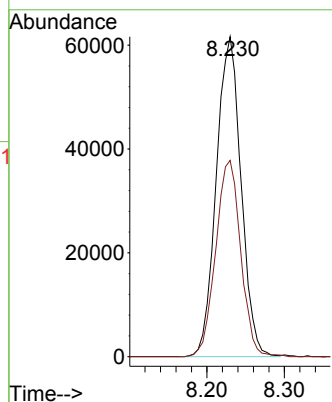
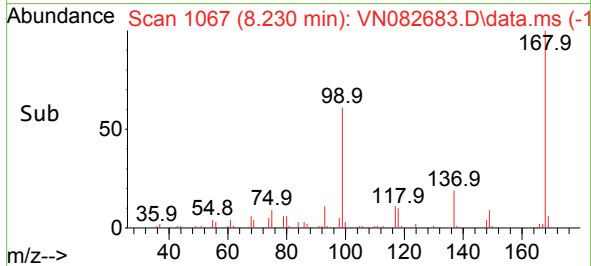


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

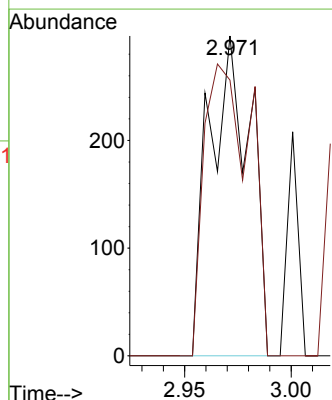
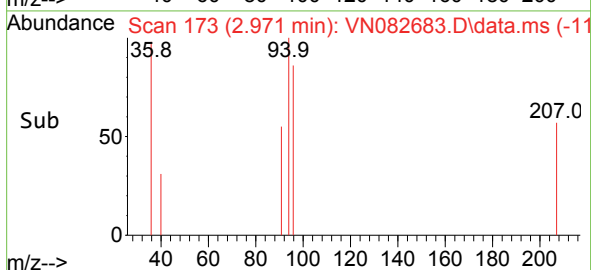
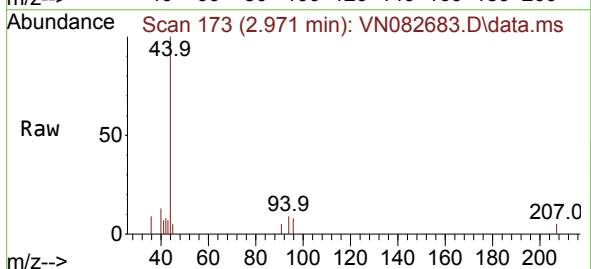


Tgt Ion:168 Resp: 136945
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#5
Bromomethane
Concen: 0.284 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

Tgt Ion: 94 Resp: 399
Ion Ratio Lower Upper
94 100
96 86.2 78.0 117.0

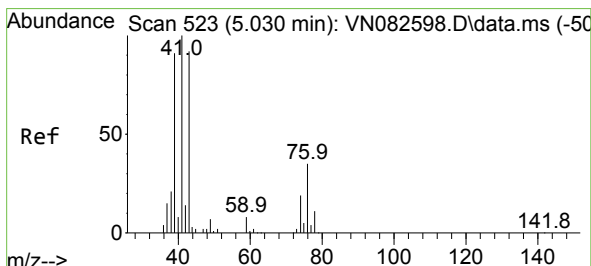
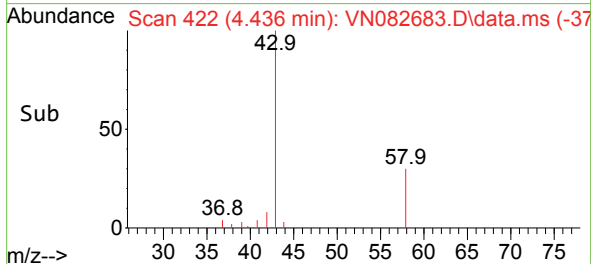
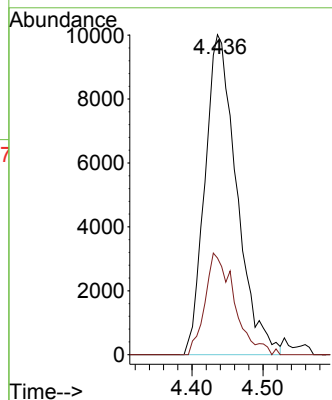
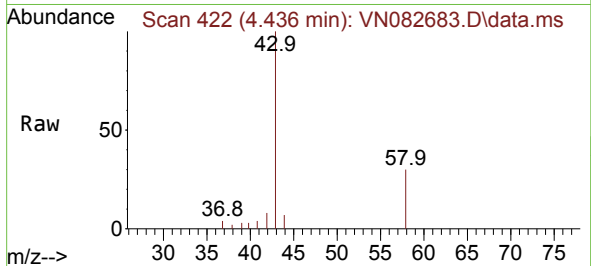




#16
Acetone
Concen: 31.078 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

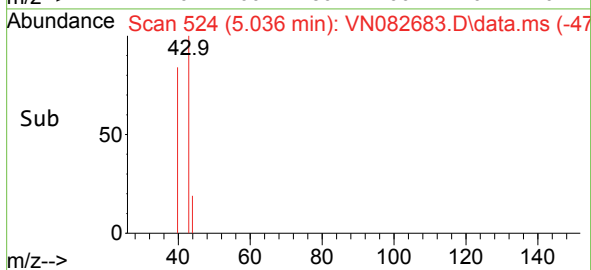
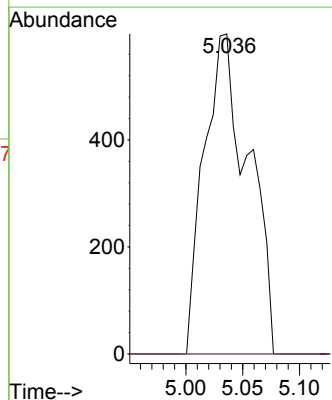
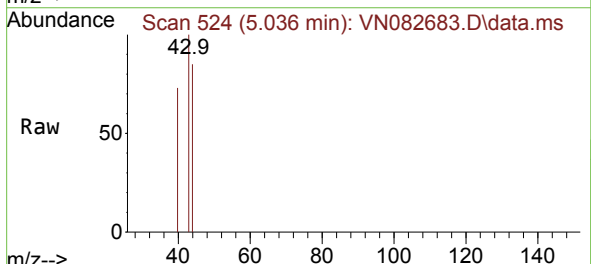
Instrument :
MSVOA_N
ClientSampleId :

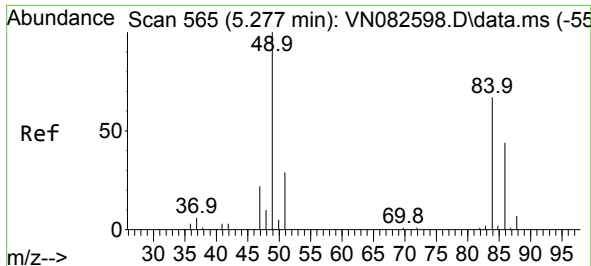
Tgt Ion: 43 Resp: 31039
Ion Ratio Lower Upper
43 100
58 30.2 21.8 32.6



#18
Methyl Acetate
Concen: 0.665 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

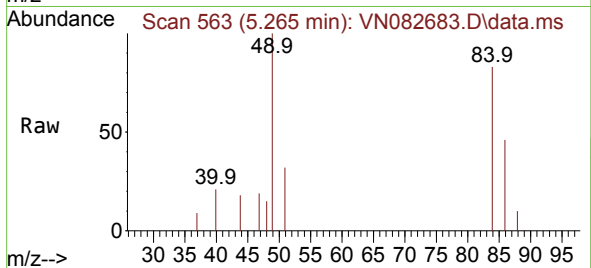
Tgt Ion: 43 Resp: 1625
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



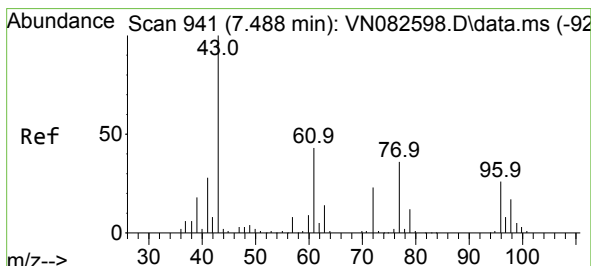
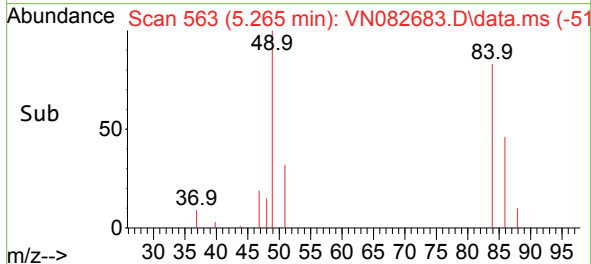
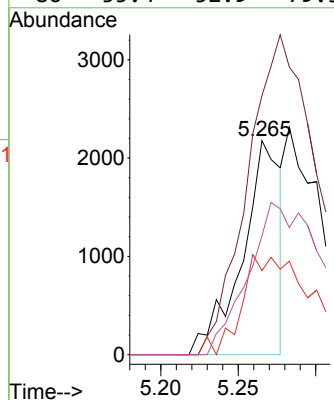


#20
Methylene Chloride
Concen: 2.133 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.011 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

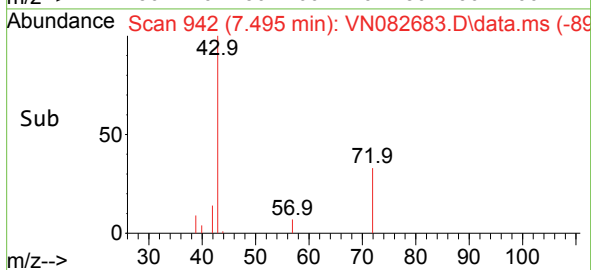
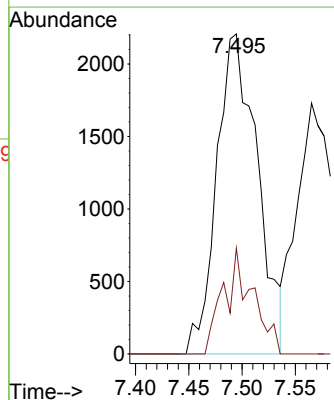
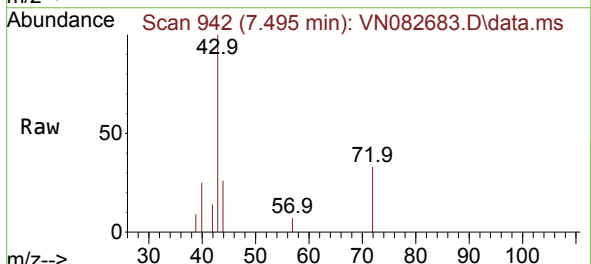


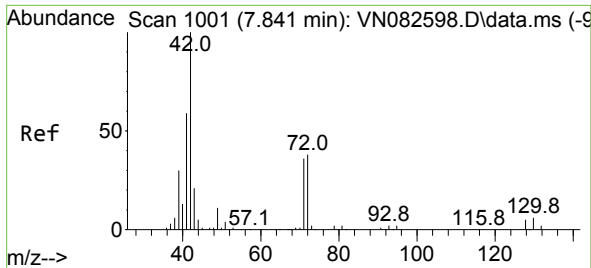
Tgt Ion: 84	Resp: 3746
Ion Ratio	Lower Upper
84 100	
49 121.0	119.6 179.4
51 39.2	34.8 52.2
86 55.4	52.9 79.3



#25
2-Butanone
Concen: 4.130 ug/l
RT: 7.495 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

Tgt Ion: 43	Resp: 5863		
Ion Ratio	Lower	Upper	
43 100			
72 33.1	18.2	27.2#	

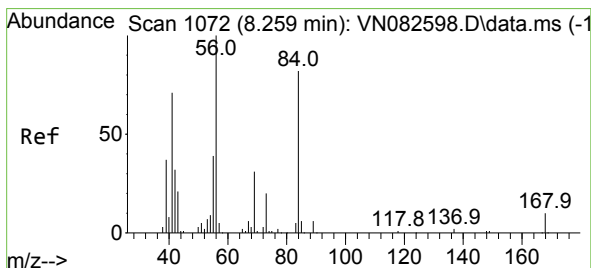
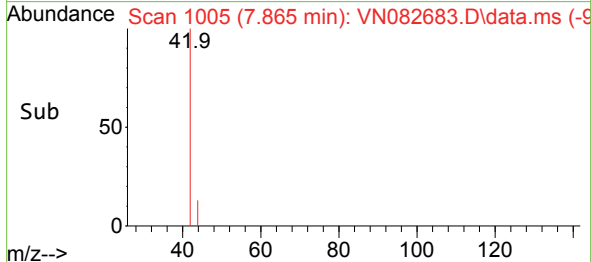
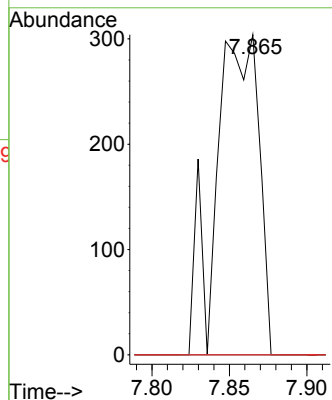
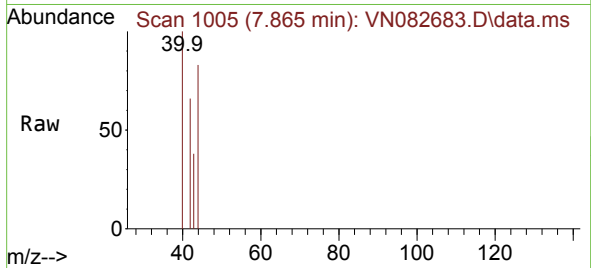




#29
Tetrahydrofuran
Concen: 0.679 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.024 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

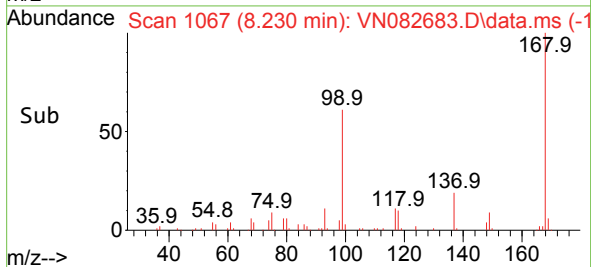
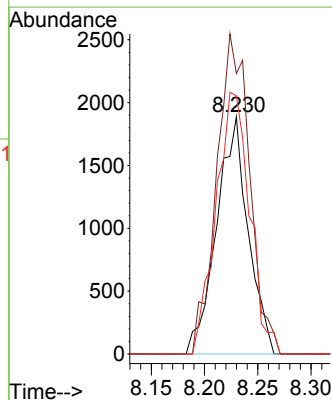
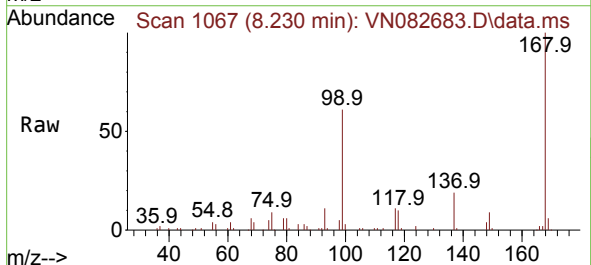
Instrument :
MSVOA_N
ClientSampleId :

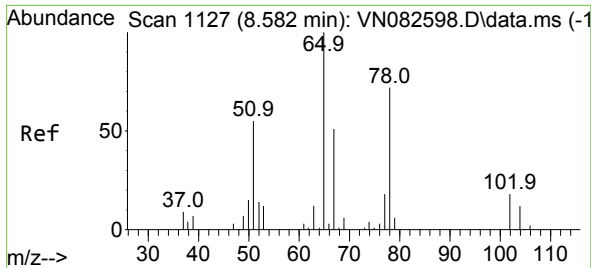
Tgt Ion: 42 Resp: 590
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.227 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

Tgt Ion: 56 Resp: 3890
Ion Ratio Lower Upper
56 100
69 118.3 24.5 36.7#
84 109.0 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 53.740 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

Instrument :

MSVOA_N

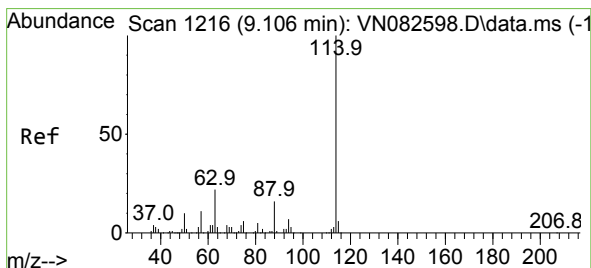
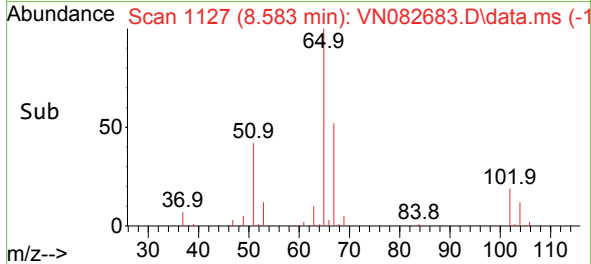
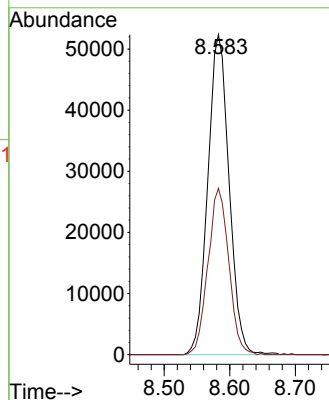
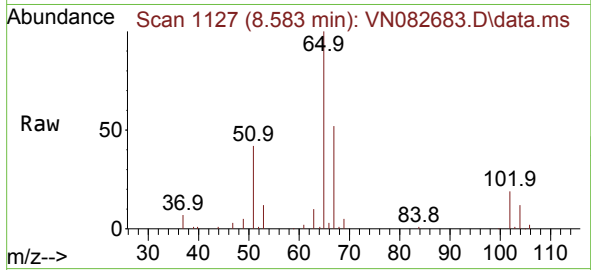
ClientSampleId :

Tgt Ion: 65 Resp: 118019

Ion Ratio Lower Upper

65 100

67 50.9 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: VN082683.D

Acq: 21 Jun 2024 17:21

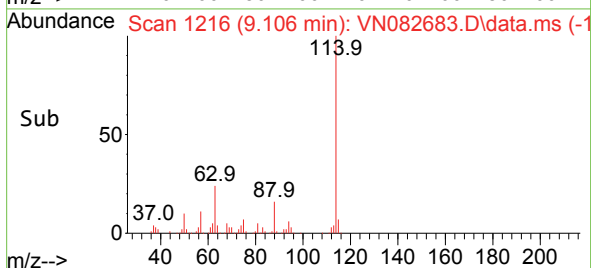
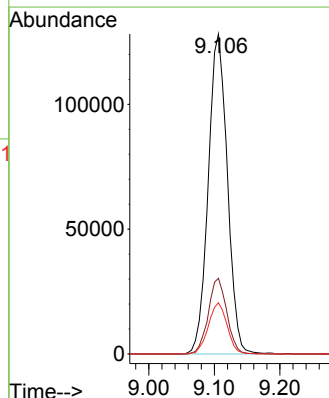
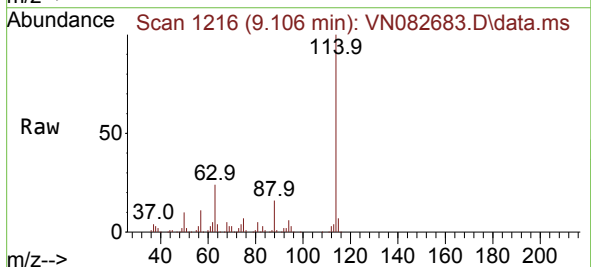
Tgt Ion: 114 Resp: 259725

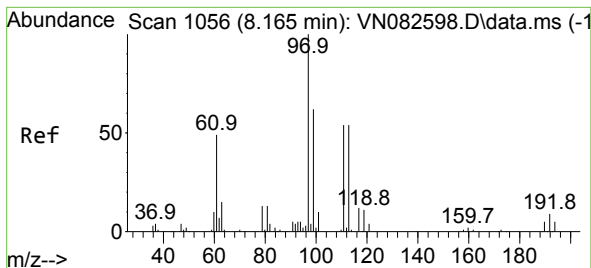
Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.6

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.941 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

Instrument :

MSVOA_N

ClientSampleId :

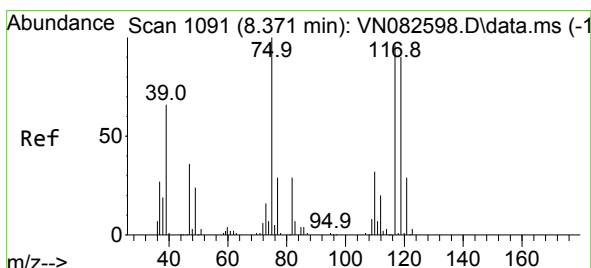
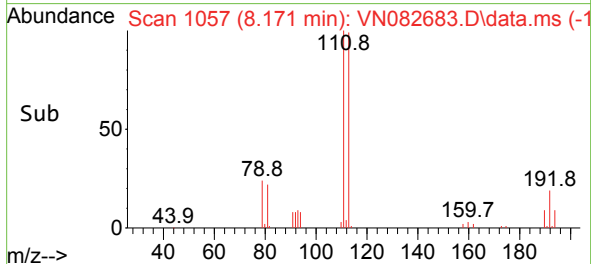
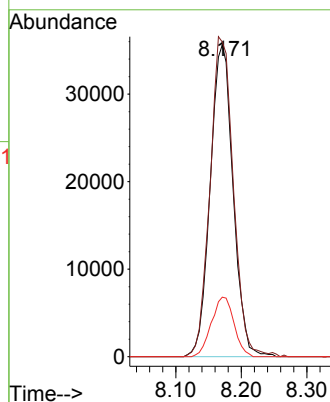
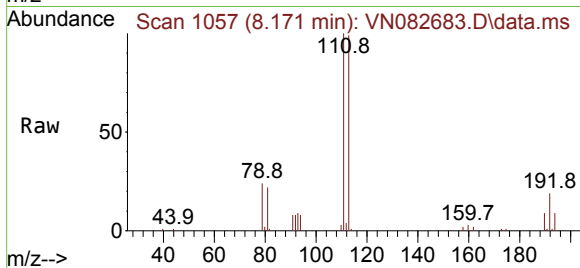
Tgt Ion:113 Resp: 86231

Ion Ratio Lower Upper

113 100

111 104.8 82.4 123.6

192 18.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.879 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

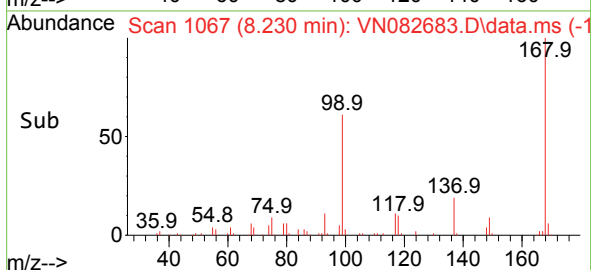
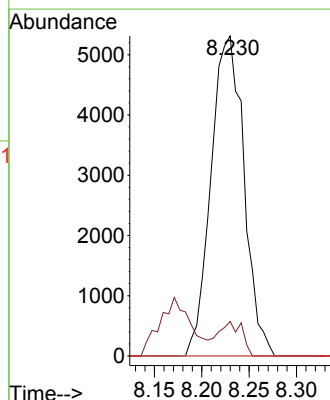
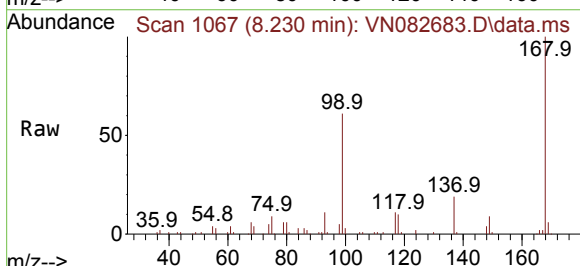
Tgt Ion: 75 Resp: 12850

Ion Ratio Lower Upper

75 100

110 7.9 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.307 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.000 min

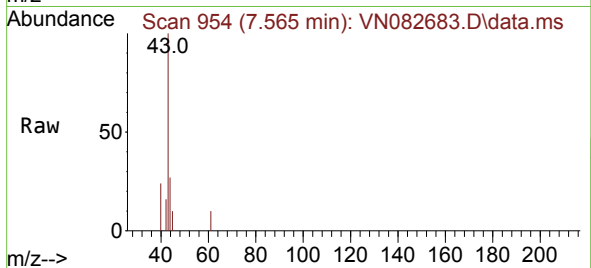
Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

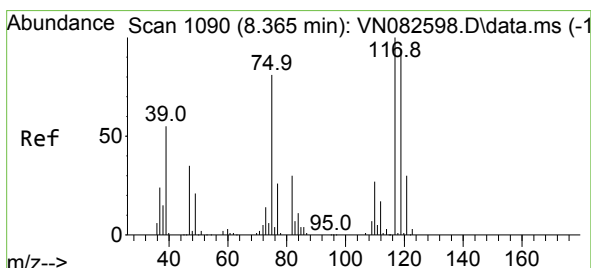
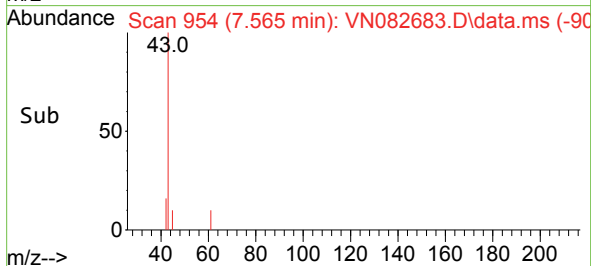
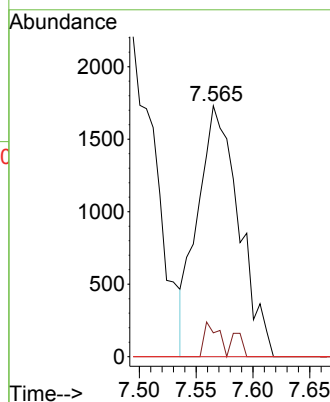
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4386
Ion	Ratio	Lower	Upper
43	100		
61	4.7	9.3	13.9#
70	0.0	7.0	10.6#



#38

Carbon Tetrachloride

Concen: 4.997 ug/l

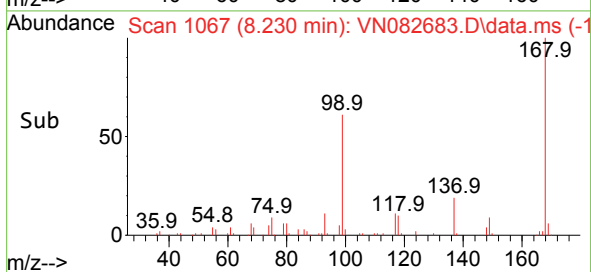
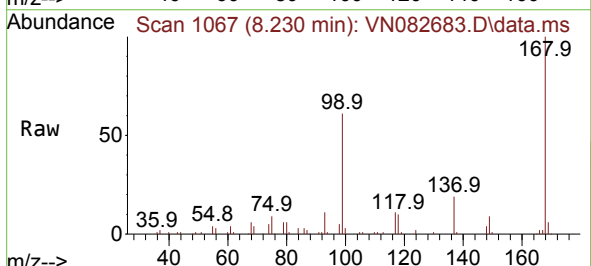
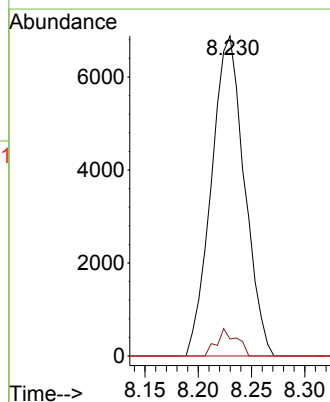
RT: 8.230 min Scan# 1067

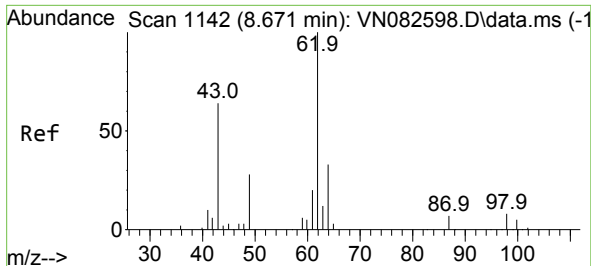
Delta R.T. -0.135 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

Tgt Ion:	117	Resp:	14832
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: 0.236 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.030 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

Instrument :

MSVOA_N

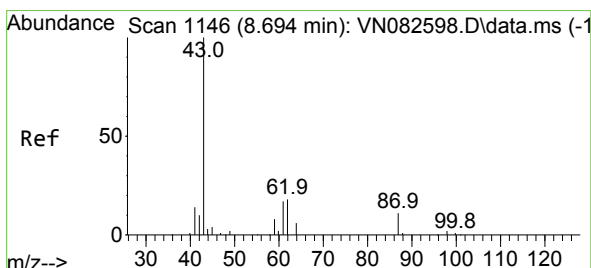
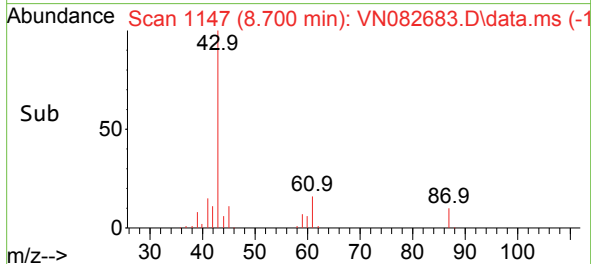
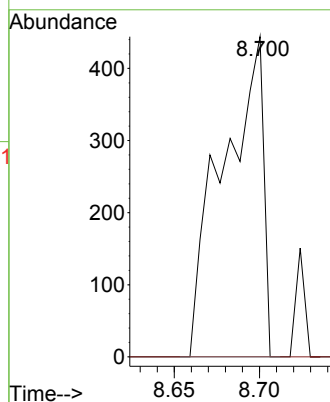
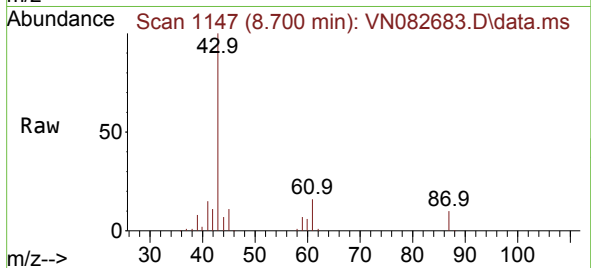
ClientSampleId :

Tgt Ion: 62 Resp: 731

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 32.330 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

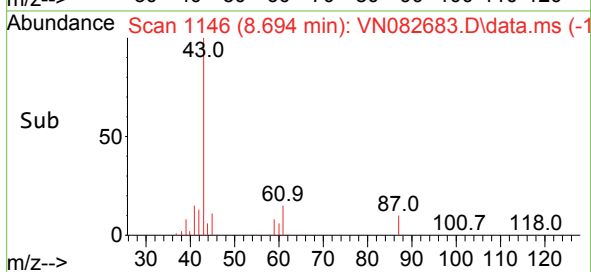
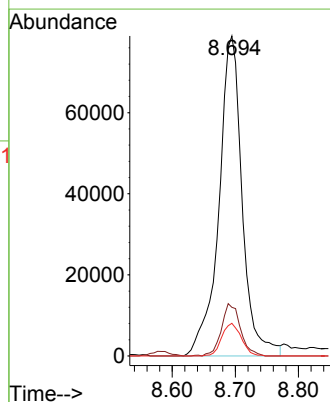
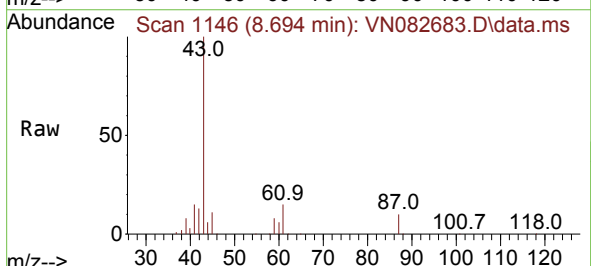
Tgt Ion: 43 Resp: 202716

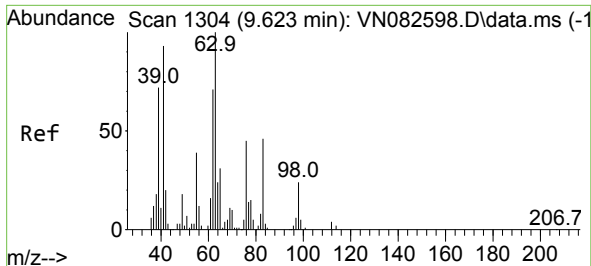
Ion Ratio Lower Upper

43 100

61 13.3 17.8 26.6

87 8.5 8.2 12.2





#45

1,2-Dichloropropane

Concen: 0.774 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

Instrument :

MSVOA_N

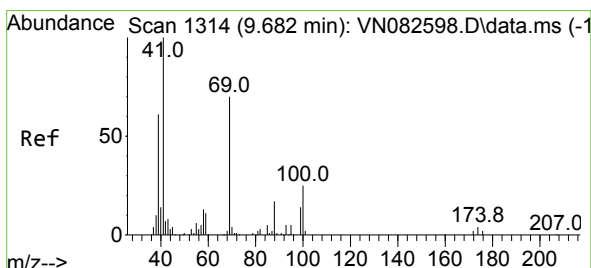
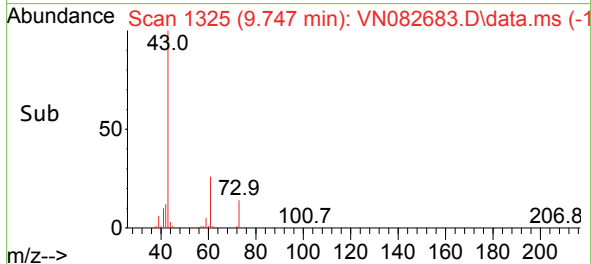
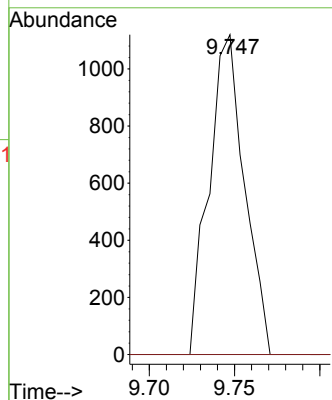
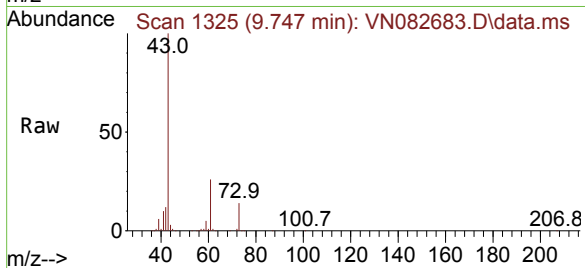
ClientSampleId :

Tgt Ion: 63 Resp: 1622

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 58.758 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

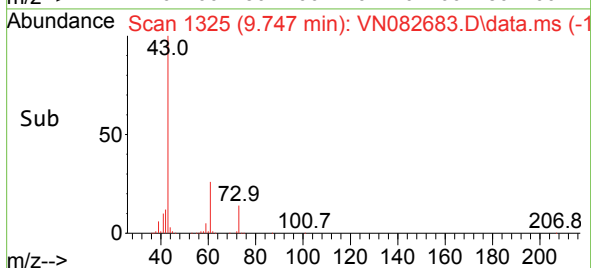
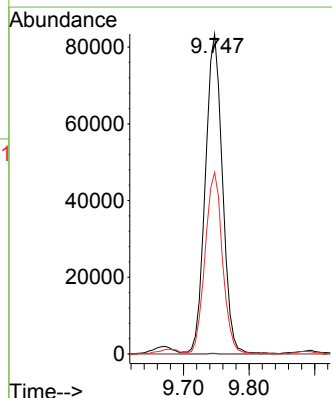
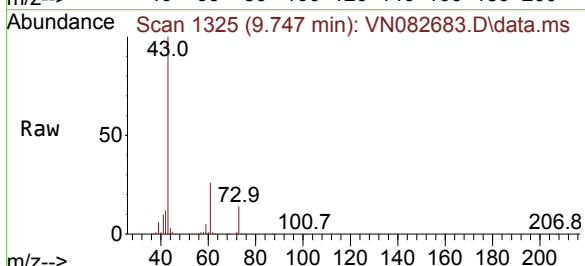
Tgt Ion: 41 Resp: 151880

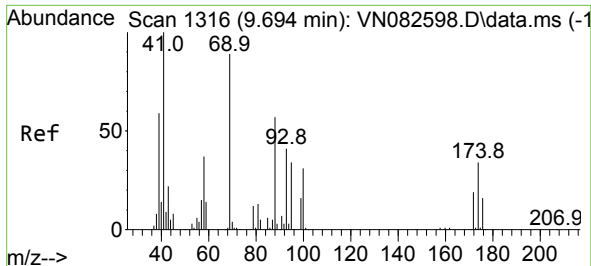
Ion Ratio Lower Upper

41 100

69 0.1 56.3 84.5#

39 57.6 50.3 75.5





#49

1,4-Dioxane

Concen: 1.435 ug/l

RT: 9.736 min Scan# 11

Delta R.T. 0.042 min

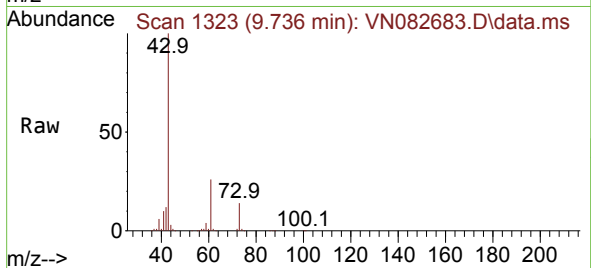
Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

Instrument :

MSVOA_N

ClientSampleId :



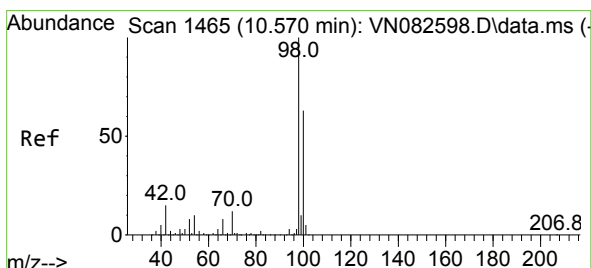
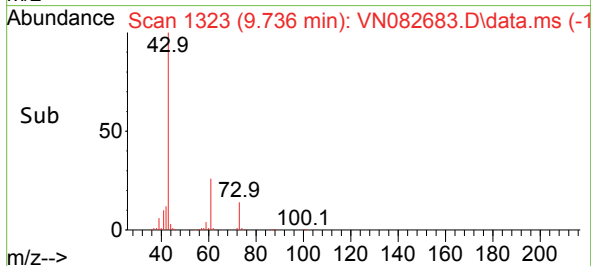
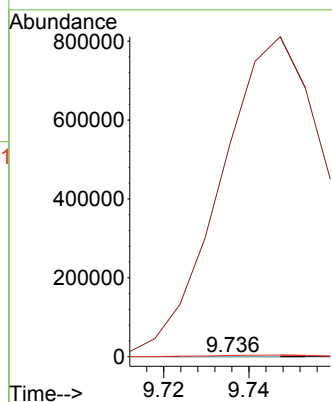
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 2507474.1 27.8 41.8#

58 13358.6 59.4 89.0#



#50

Toluene-d8

Concen: 49.041 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082683.D

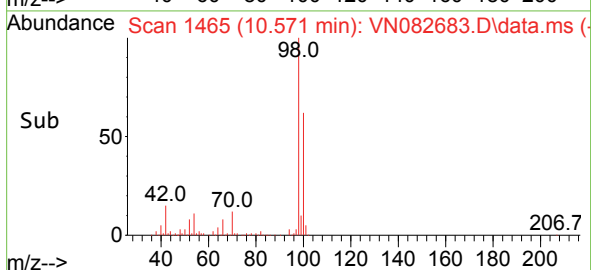
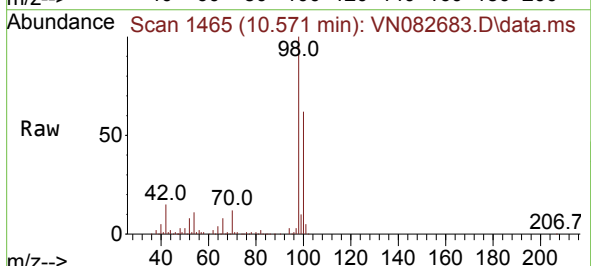
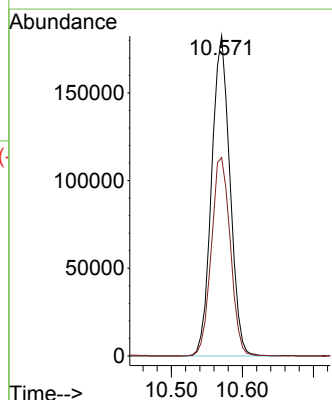
Acq: 21 Jun 2024 17:21

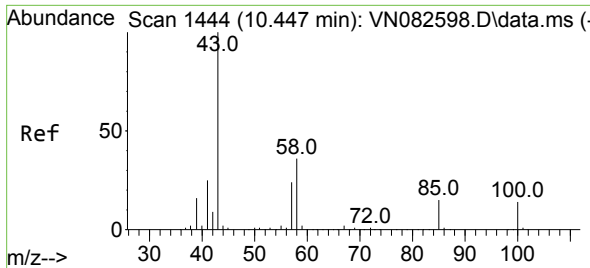
Tgt Ion: 98 Resp: 326761

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3

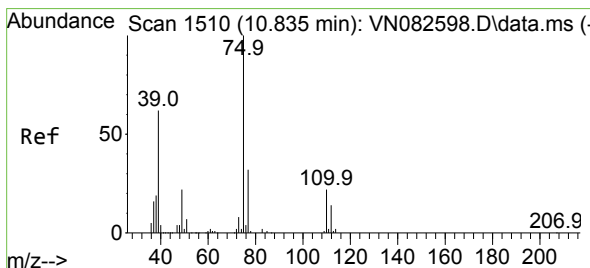
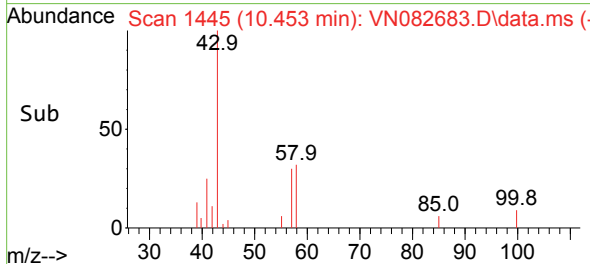
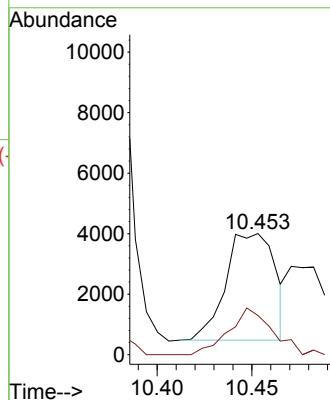
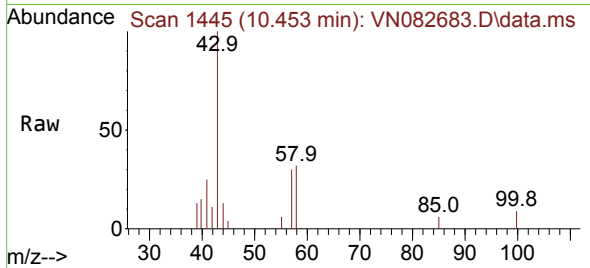




#51
4-Methyl-2-Pentanone
Concen: 1.987 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

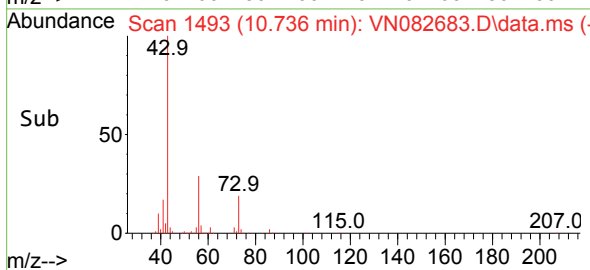
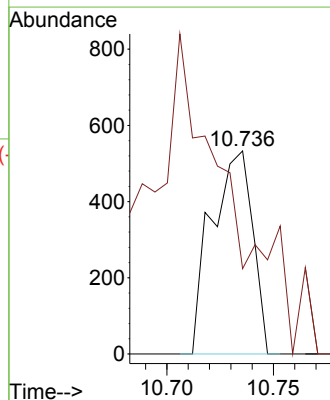
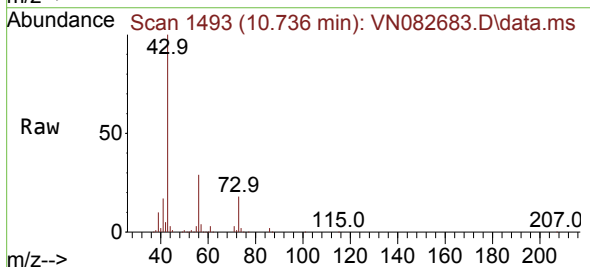
Instrument :
MSVOA_N
ClientSampleId :

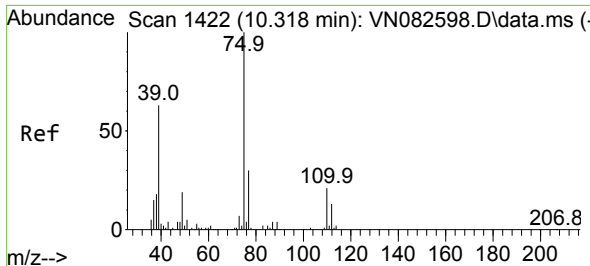
Tgt Ion: 43 Resp: 6391
Ion Ratio Lower Upper
43 100
58 38.7 28.2 42.4



#53
t-1,3-Dichloropropene
Concen: 0.231 ug/l
RT: 10.736 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

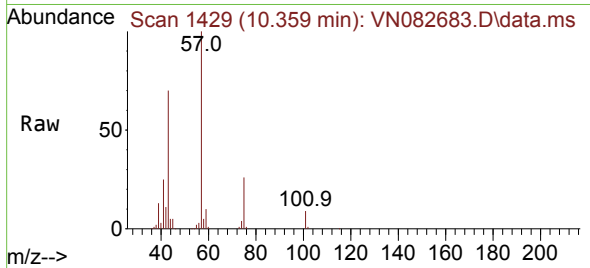
Tgt Ion: 75 Resp: 715
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



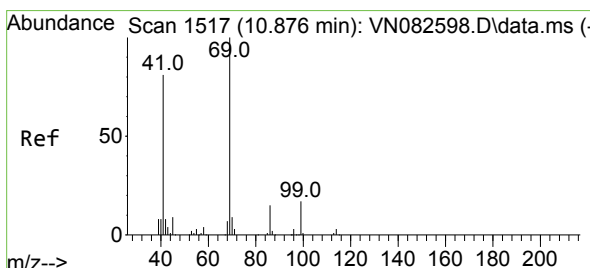
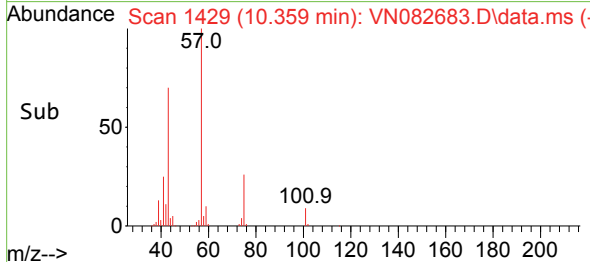
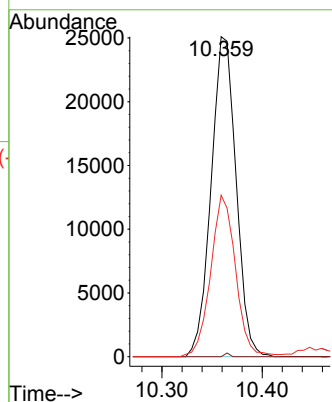


#54
 cis-1,3-Dichloropropene
 Concen: 13.560 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.042 min
 Lab File: VN082683.D
 Acq: 21 Jun 2024 17:21

Instrument :
 MSVOA_N
 ClientSampleId :

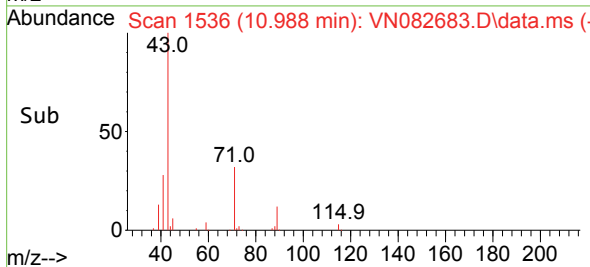
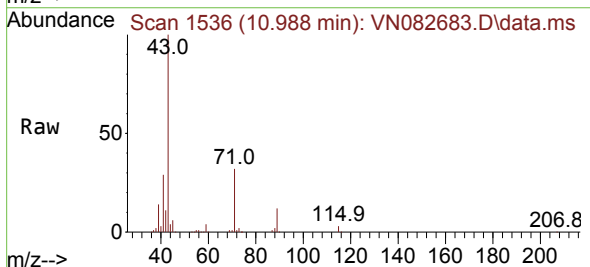
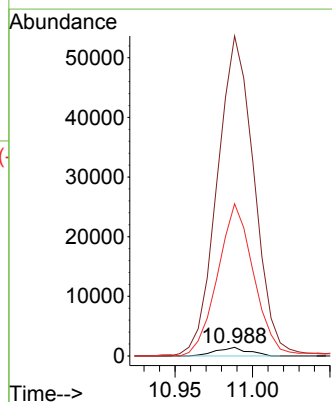


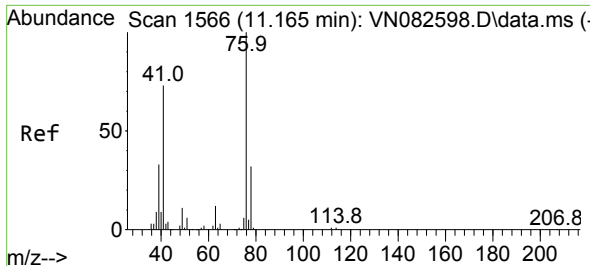
Tgt Ion: 75 Resp: 43397
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 50.5 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.696 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082683.D
 Acq: 21 Jun 2024 17:21

Tgt Ion: 69 Resp: 2058
 Ion Ratio Lower Upper
 69 100
 41 4328.0 63.4 95.2#
 39 2034.0 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.964 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.036 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

Instrument :

MSVOA_N

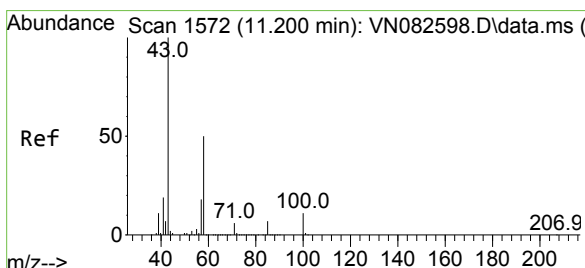
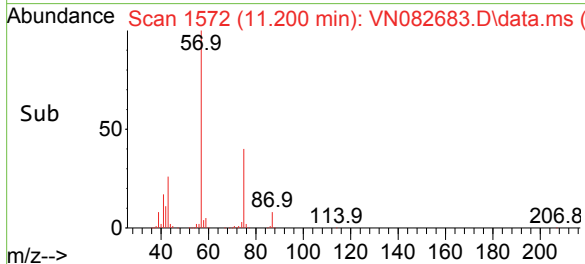
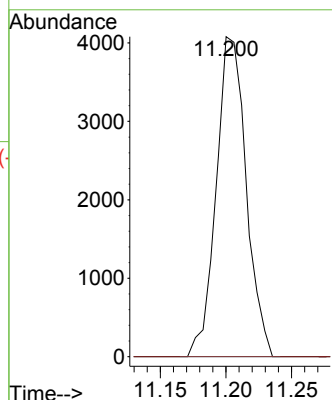
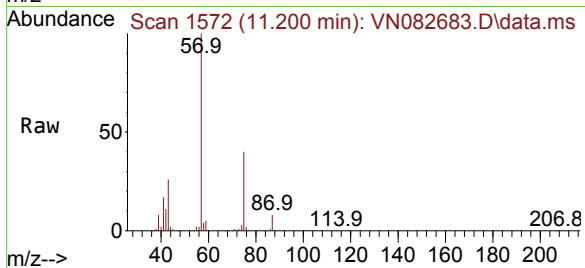
ClientSampleId :

Tgt Ion: 76 Resp: 6482

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 42.758 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN082683.D

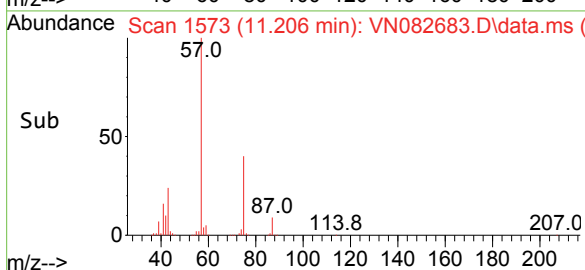
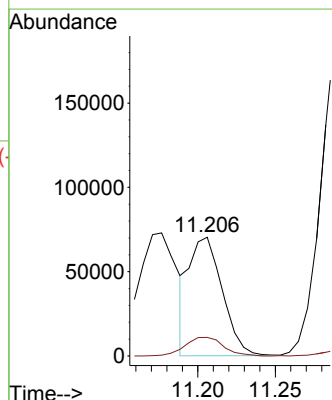
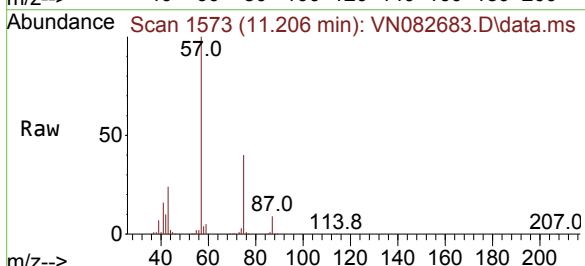
Acq: 21 Jun 2024 17:21

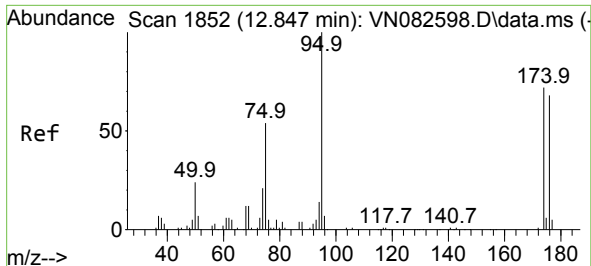
Tgt Ion: 43 Resp: 104515

Ion Ratio Lower Upper

43 100

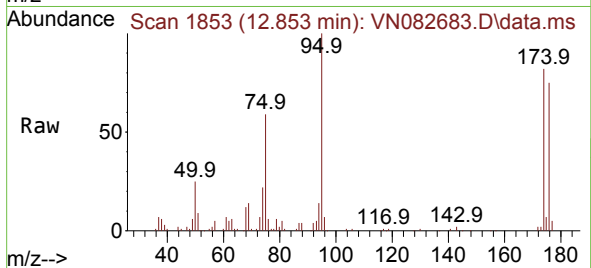
58 18.3 24.6 73.8#



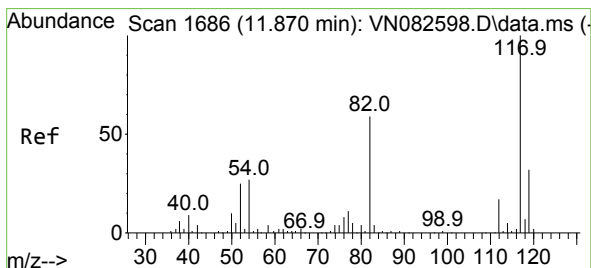
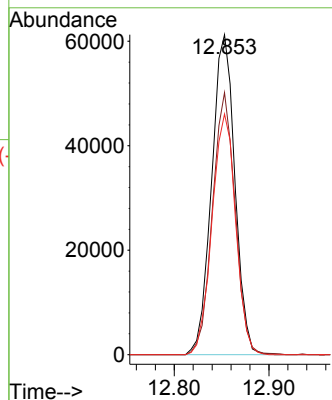
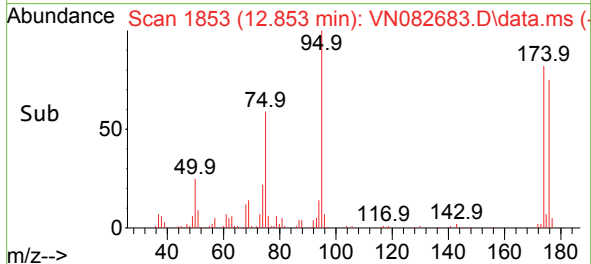


#62
4-Bromofluorobenzene
Concen: 45.319 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

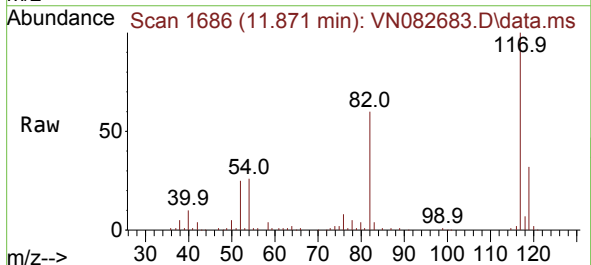
Instrument :
MSVOA_N
ClientSampleId :



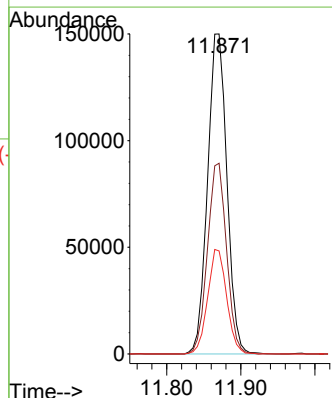
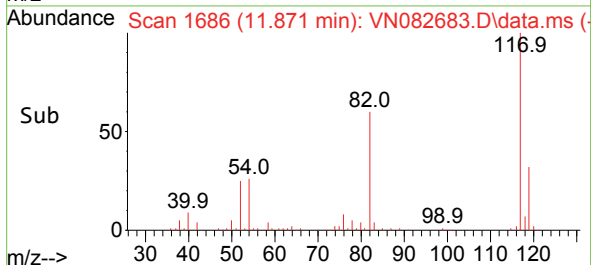
Tgt Ion: 95 Resp: 104106
Ion Ratio Lower Upper
95 100
174 80.2 0.0 159.2
176 76.5 0.0 147.6

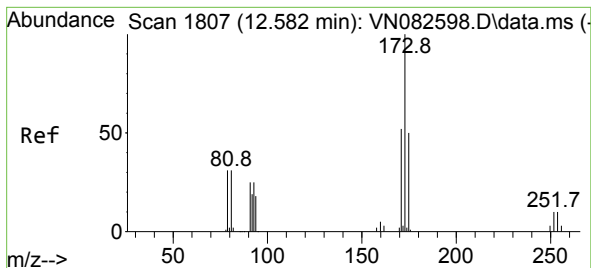


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21



Tgt Ion: 117 Resp: 272232
Ion Ratio Lower Upper
117 100
82 59.6 47.5 71.3
119 32.2 25.6 38.4





#71

Bromoform

Concen: 0.573 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN082683.D

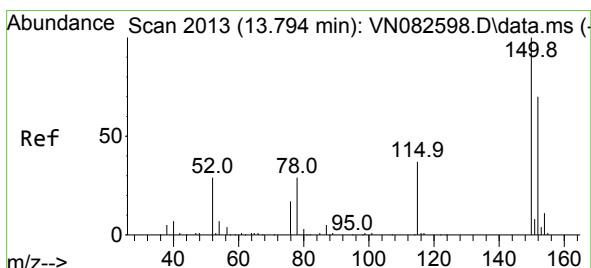
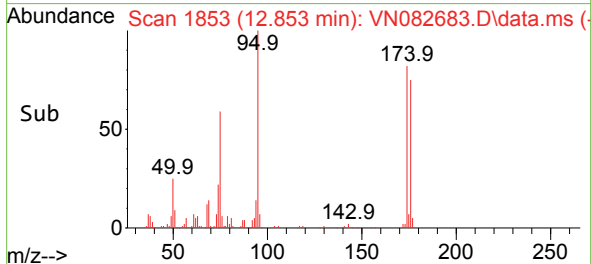
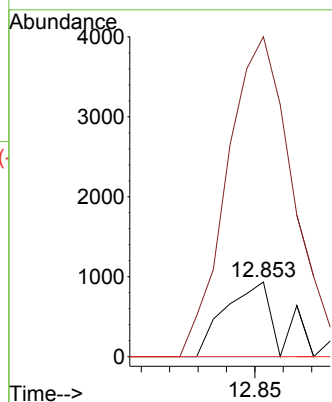
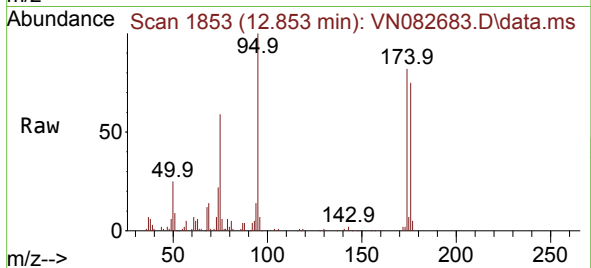
Acq: 21 Jun 2024 17:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	1008
Ion Ratio	Lower	Upper
173	100	
175	525.8	24.0 72.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

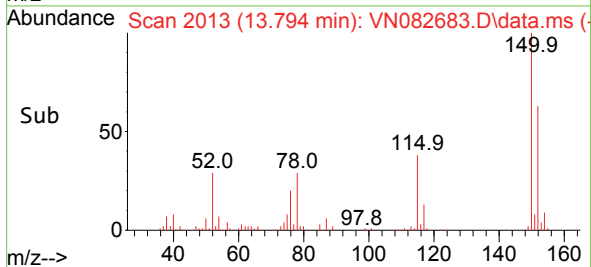
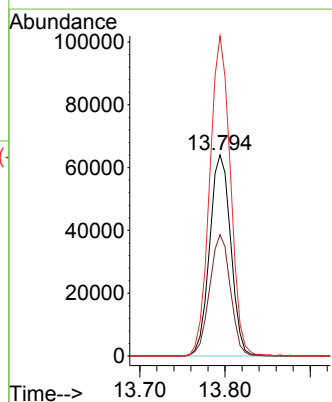
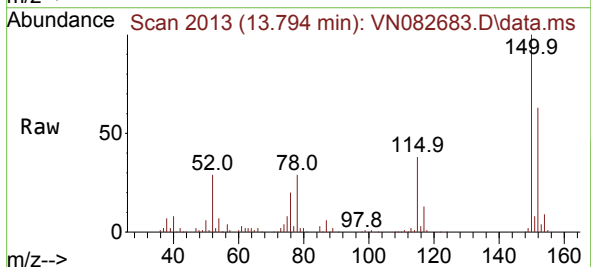
RT: 13.794 min Scan# 2013

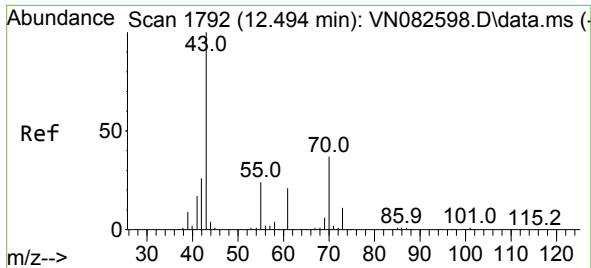
Delta R.T. 0.000 min

Lab File: VN082683.D

Acq: 21 Jun 2024 17:21

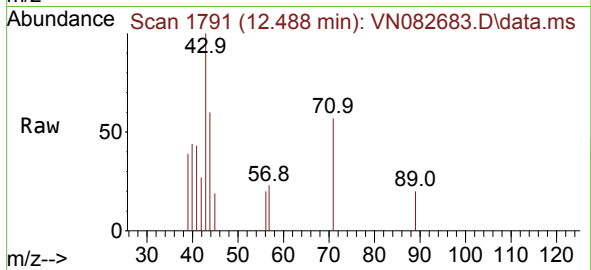
Tgt Ion:152	Resp:	109864
Ion Ratio	Lower	Upper
152	100	
115	59.6	30.6 91.6
150	156.5	0.0 348.6



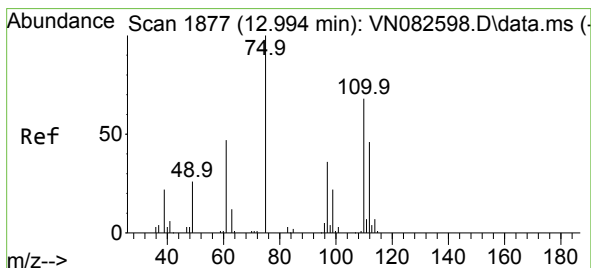
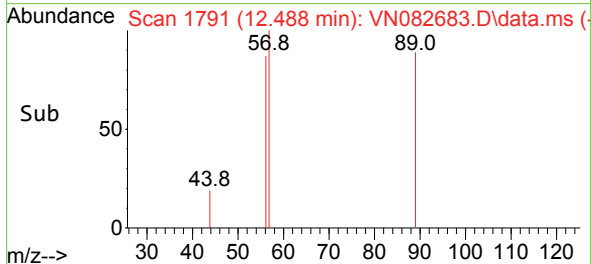
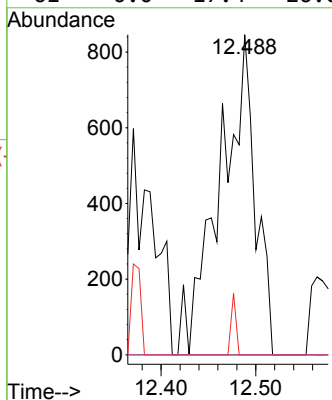


#74
N-amy1 acetate
Concen: 0.495 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

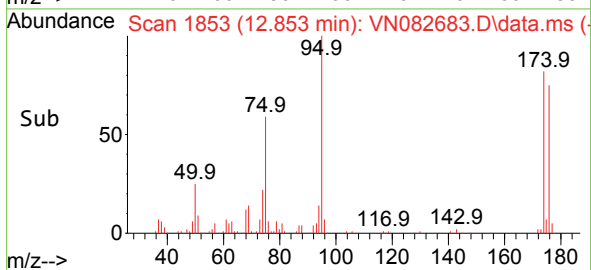
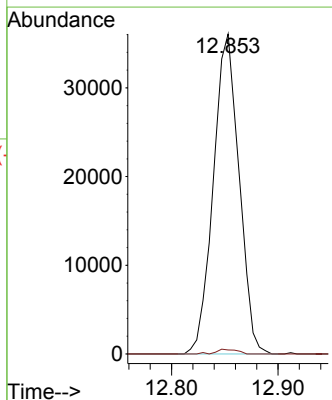
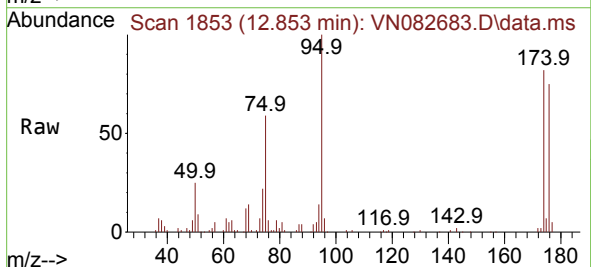


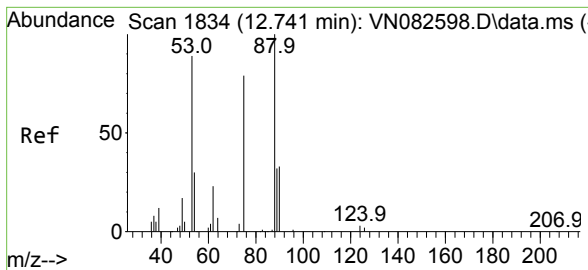
Tgt Ion: 43	Resp: 2203
Ion Ratio	Lower Upper
43	100
70	0.0 29.8 44.6#
55	2.6 18.7 28.1#
61	0.0 17.4 26.0#



#76
1,2,3-Trichloropropane
Concen: 22.510 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082683.D
Acq: 21 Jun 2024 17:21

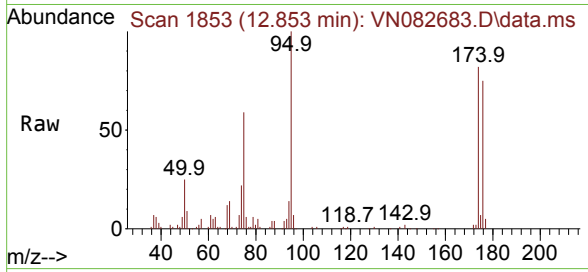
Tgt Ion: 75	Resp: 60488
Ion Ratio	Lower Upper
75	100
77	1.2 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.855 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082683.D
 Acq: 21 Jun 2024 17:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 60488
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.4 132.6#
 89 0.0 36.3 54.5#

