

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082685.D
 Acq On : 21 Jun 2024 18:11
 Operator : JC\MD
 Sample : PB161606ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 02:16:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

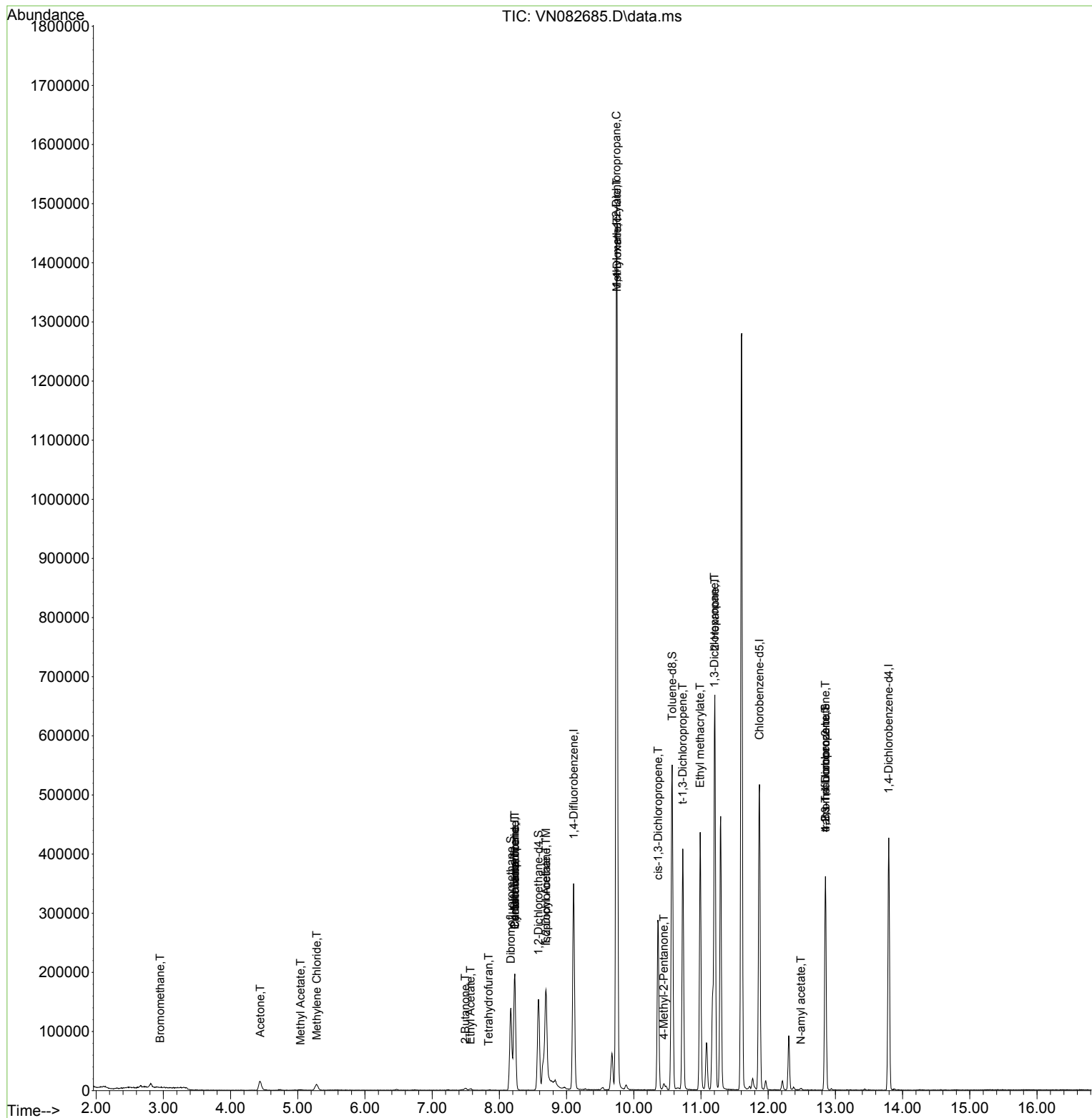
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	132565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	263082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	275181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	105973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	126696	59.598	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.200%	
35) Dibromofluoromethane	8.171	113	95128	53.301	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.600%	
50) Toluene-d8	10.571	98	359155	53.215	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.420%	
62) 4-Bromofluorobenzene	12.853	95	112436	48.321	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 96.640%	
Target Compounds						Qvalue
5) Bromomethane	2.953	94	360	0.265	ug/l	90
16) Acetone	4.442	43	31309	32.384	ug/l	99
18) Methyl Acetate	5.041	43	2215	0.937	ug/l #	61
20) Methylene Chloride	5.283	84	7068	4.158	ug/l #	83
25) 2-Butanone	7.494	43	6012	4.375	ug/l	98
29) Tetrahydrofuran	7.841	42	749	0.890	ug/l #	38
31) Cyclohexane	8.229	56	3843	1.253	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	12664	4.747	ug/l #	50
37) Ethyl Acetate	7.571	43	4306	1.267	ug/l #	82
38) Carbon Tetrachloride	8.229	117	14788	4.918	ug/l #	18
42) 1,2-Dichloroethane	8.694	62	986	0.314	ug/l #	78
43) Isopropyl Acetate	8.694	43	254941	40.140	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1735	0.818	ug/l #	44
48) Methyl methacrylate	9.747	41	150161	57.352	ug/l #	52
49) 1,4-Dioxane	9.753	88	78	1.905	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	7245	2.224	ug/l	95
53) t-1,3-Dichloropropene	10.729	75	961	0.307	ug/l #	86
54) cis-1,3-Dichloropropene	10.365	75	43996	13.571	ug/l #	68
56) Ethyl methacrylate	10.988	69	2207	0.737	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6065	1.814	ug/l #	43
59) 2-Hexanone	11.206	43	86641	34.993	ug/l #	60
74) N-amyl acetate	12.488	43	2848	0.663	ug/l #	47
76) 1,2,3-Trichloropropane	12.853	75	66945	25.828	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	66945	61.792	ug/l #	6

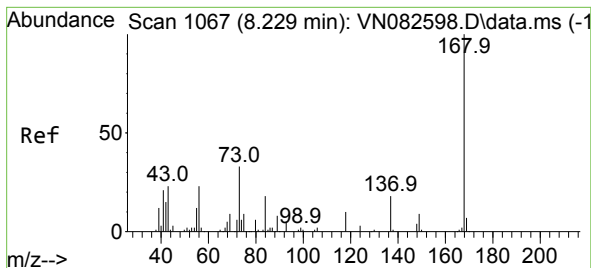
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
Data File : VN082685.D
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MSVOA_N
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Quant Time: Jun 24 02:16:05 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: 8.229 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

Instrument :

MSVOA_N

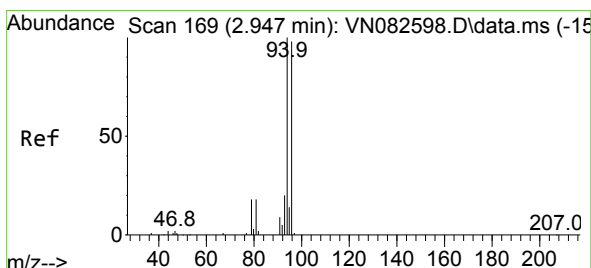
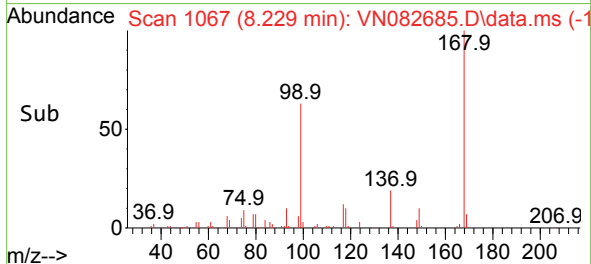
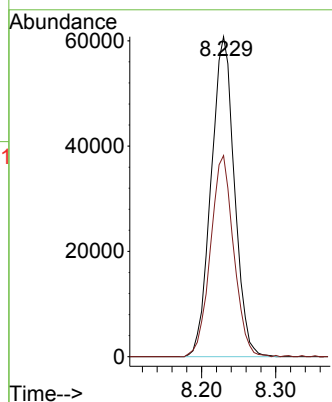
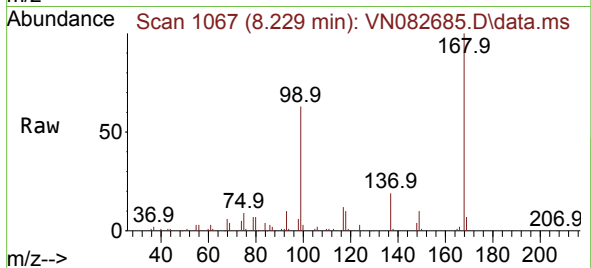
ClientSampleId :

Tgt Ion:168 Resp: 132565

Ion Ratio Lower Upper

168 100

99 62.8 48.2 72.4



#5

Bromomethane

Concen: 0.265 ug/l

RT: 2.953 min Scan# 170

Delta R.T. 0.006 min

Lab File: VN082685.D

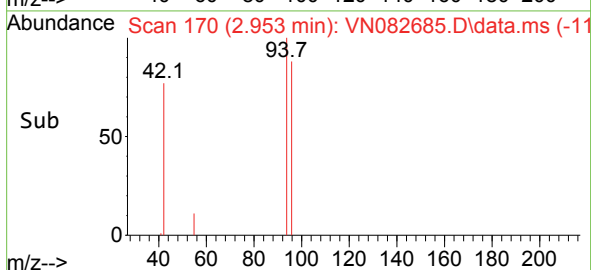
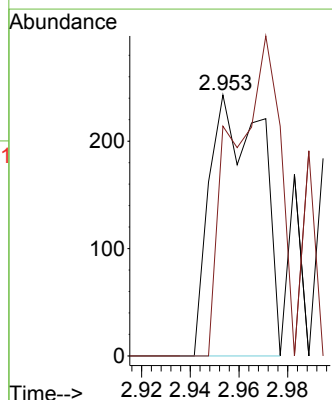
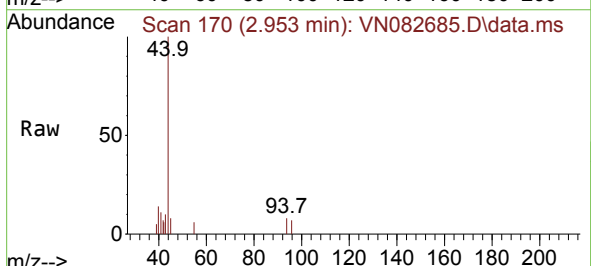
Acq: 21 Jun 2024 18:11

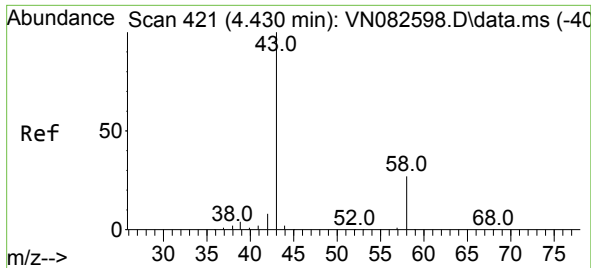
Tgt Ion: 94 Resp: 360

Ion Ratio Lower Upper

94 100

96 88.1 78.0 117.0

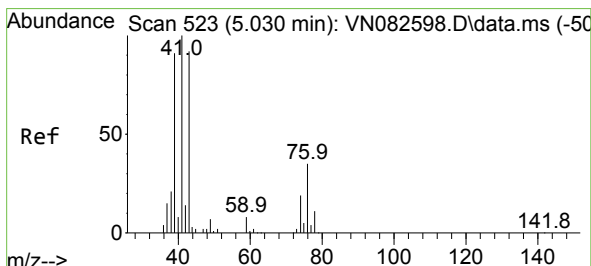
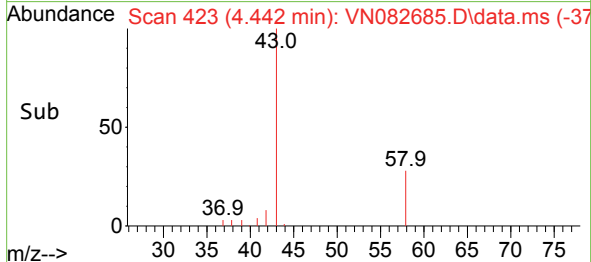
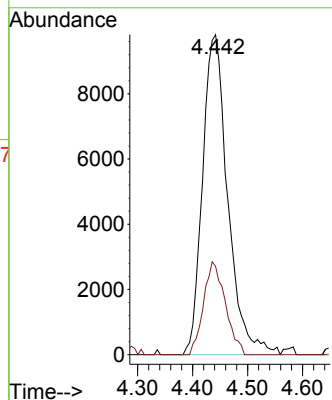
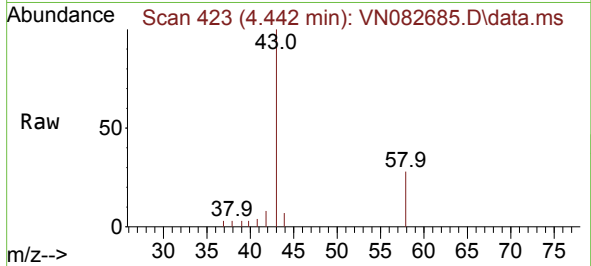




#16
Acetone
Concen: 32.384 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

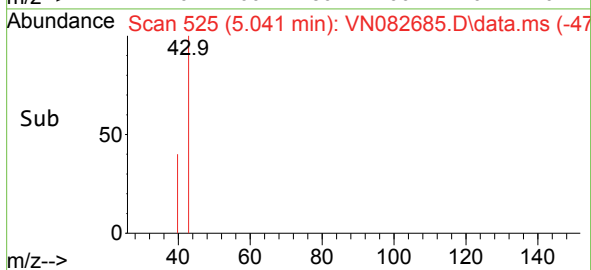
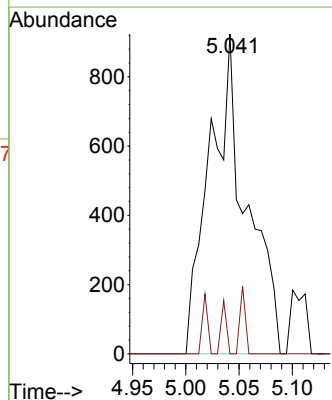
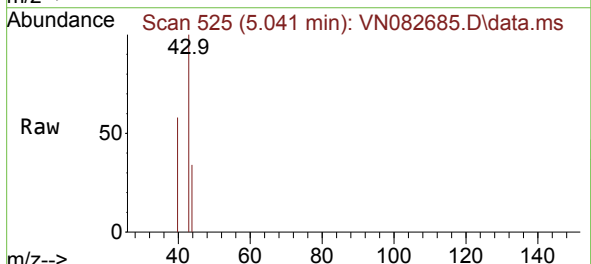
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 31309
Ion Ratio Lower Upper
43 100
58 27.6 21.8 32.6



#18
Methyl Acetate
Concen: 0.937 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

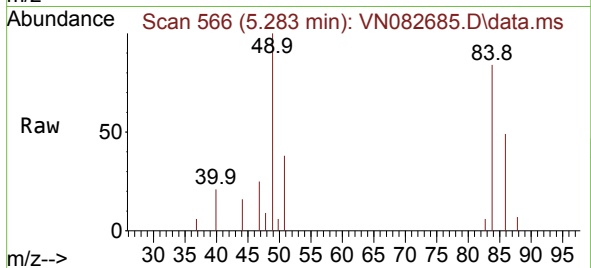
Tgt Ion: 43 Resp: 2215
Ion Ratio Lower Upper
43 100
74 2.4 16.3 24.5#



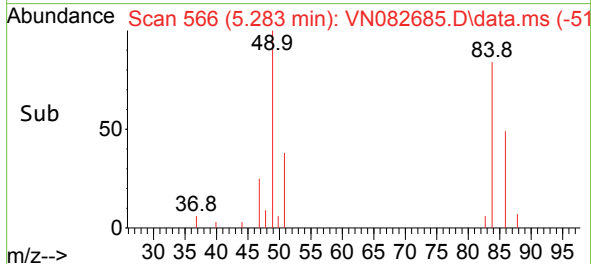
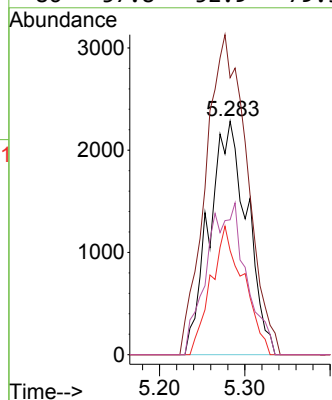


#20
Methylene Chloride
Concen: 4.158 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :

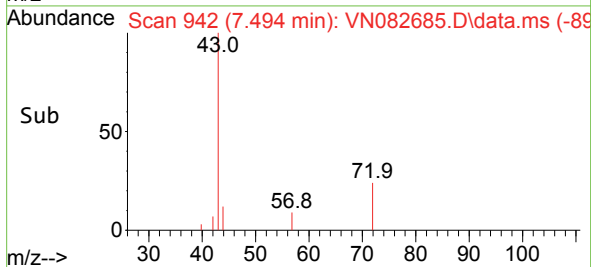
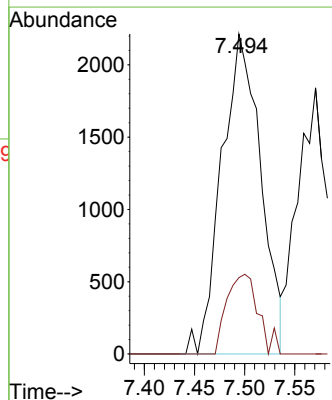
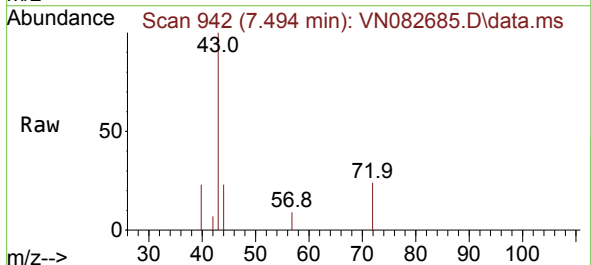


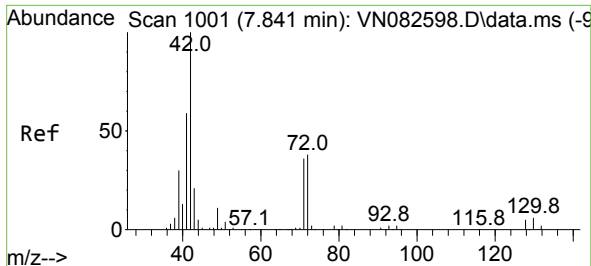
Tgt Ion: 84	Resp: 7068
Ion Ratio	Lower Upper
84 100	
49 118.6	119.6 179.4#
51 44.6	34.8 52.2
86 57.8	52.9 79.3



#25
2-Butanone
Concen: 4.375 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Tgt Ion: 43	Resp: 6012
Ion Ratio	Lower Upper
43 100	
72 23.8	18.2 27.2

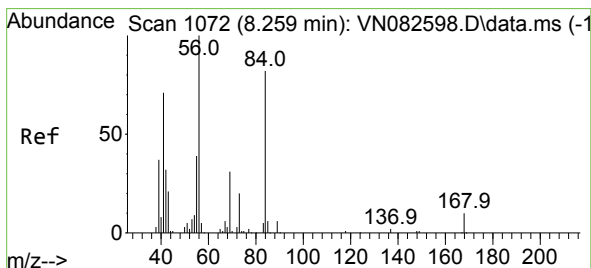
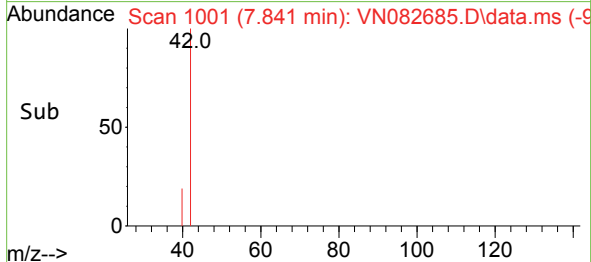
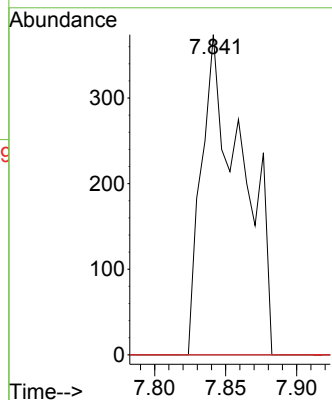
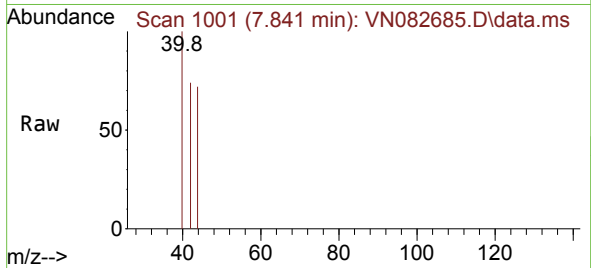




#29
Tetrahydrofuran
Concen: 0.890 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.000 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

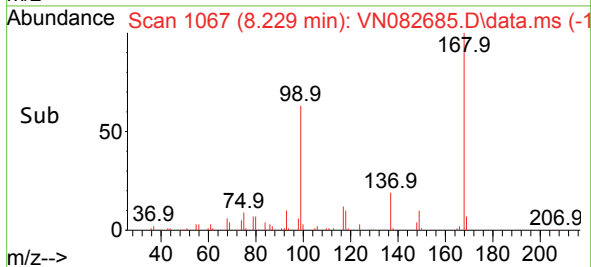
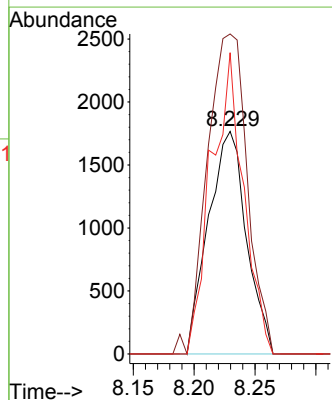
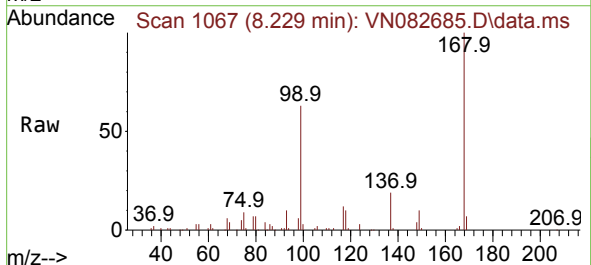
Instrument :
MSVOA_N
ClientSampleId :

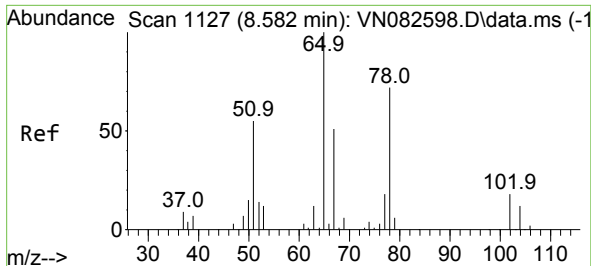
Tgt Ion: 42 Resp: 749
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Tgt Ion: 56 Resp: 3843
Ion Ratio Lower Upper
56 100
69 143.7 24.5 36.7#
84 135.4 66.0 99.0#





#33

1,2-Dichloroethane-d4

Concen: 59.598 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

Instrument :

MSVOA_N

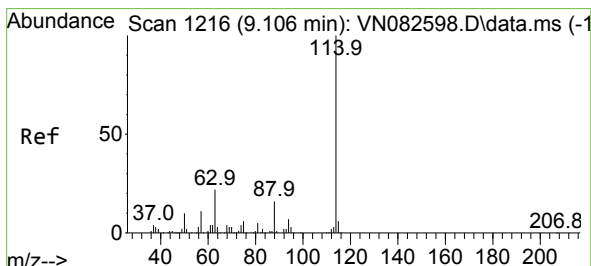
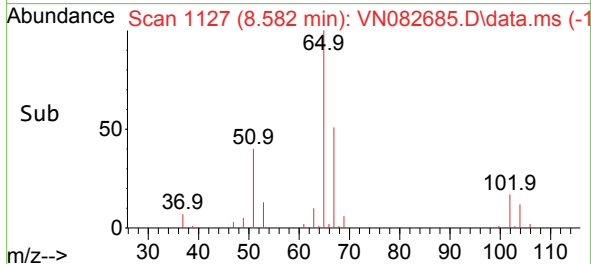
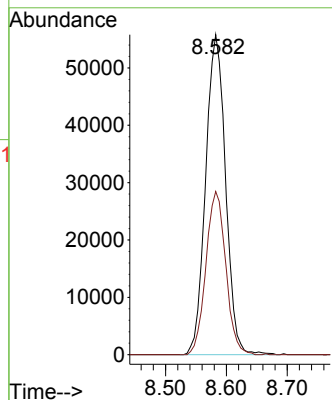
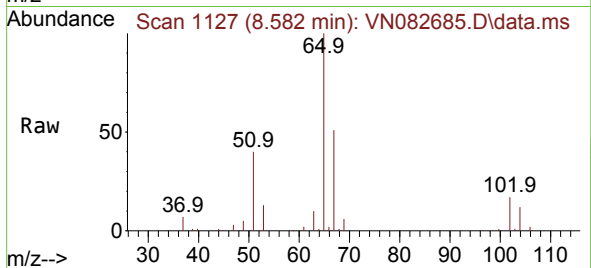
ClientSampleId :

Tgt Ion: 65 Resp: 126696

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

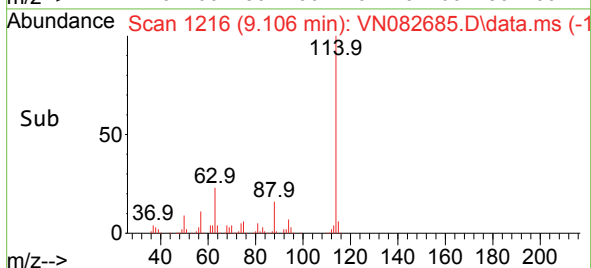
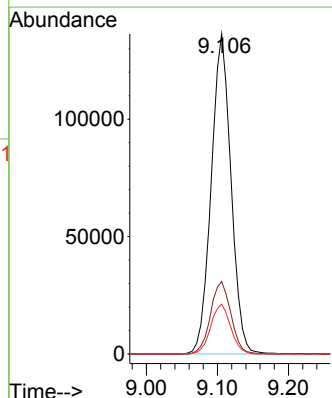
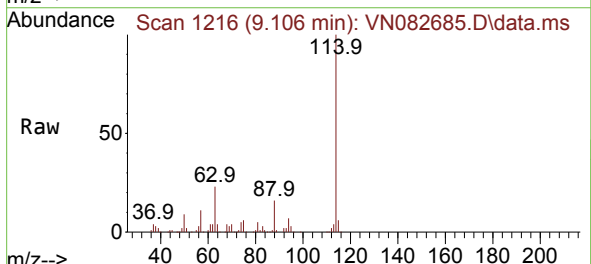
Tgt Ion: 114 Resp: 263082

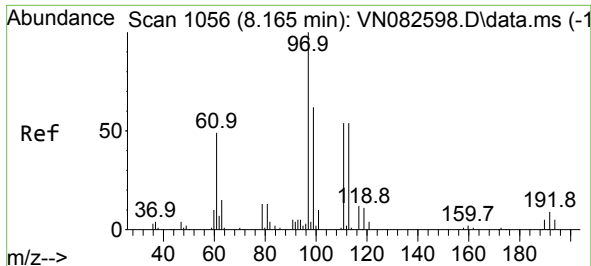
Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.6

88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.301 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

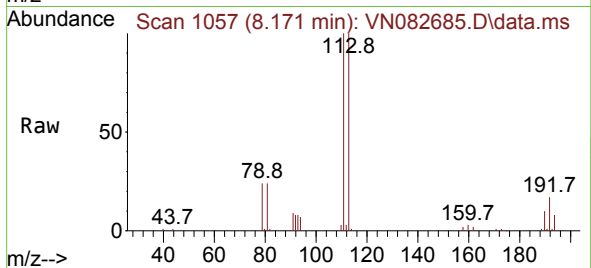
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Acq: 21 Jun 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :



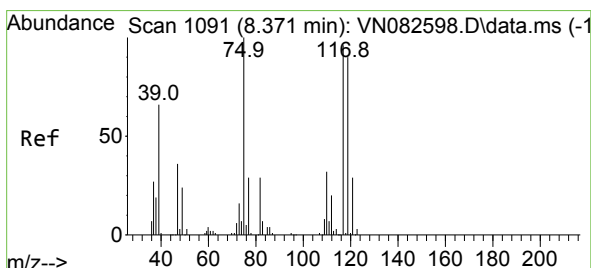
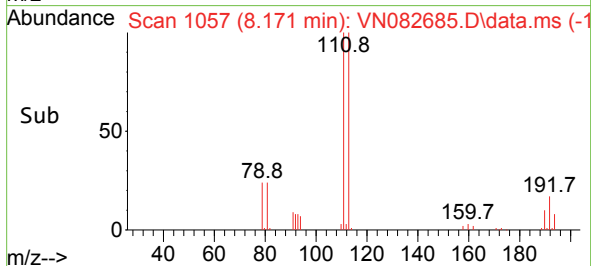
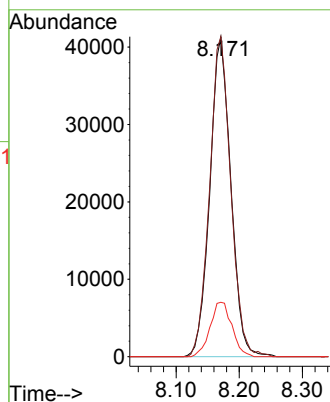
Tgt Ion:113 Resp: 95128

Ion Ratio Lower Upper

113 100

111 101.3 82.4 123.6

192 17.7 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.747 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

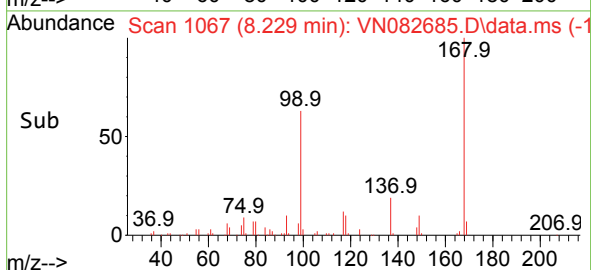
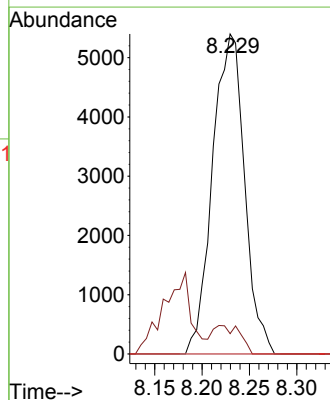
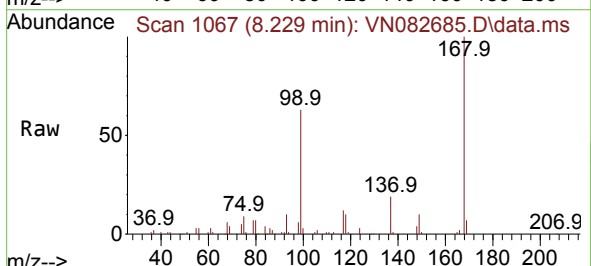
Tgt Ion: 75 Resp: 12664

Ion Ratio Lower Upper

75 100

110 7.5 16.3 48.9#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.267 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

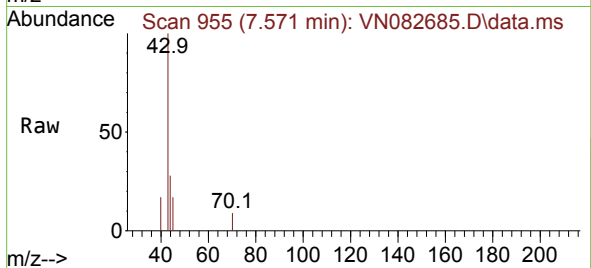
Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :



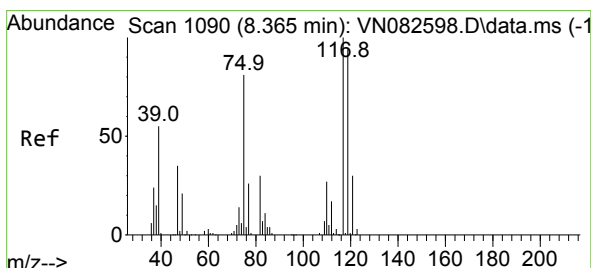
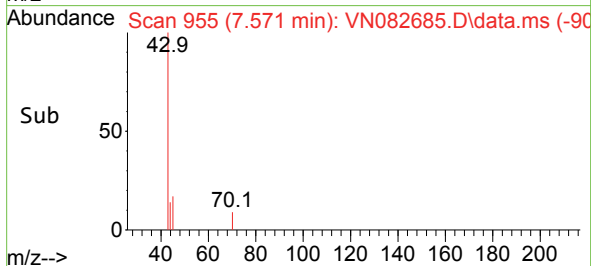
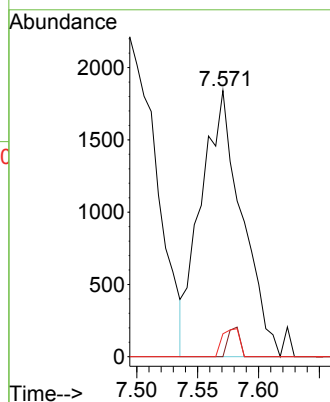
Tgt Ion: 43 Resp: 4306

Ion Ratio Lower Upper

43 100

61 3.2 9.3 13.9#

70 4.4 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 4.918 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

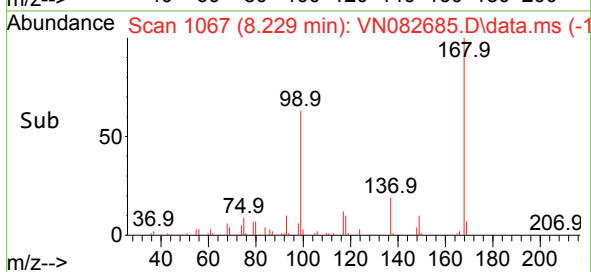
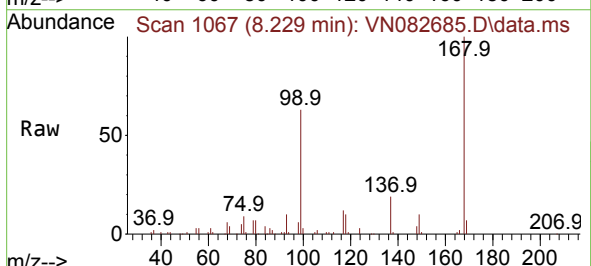
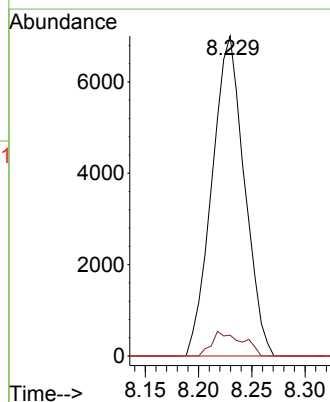
Tgt Ion: 117 Resp: 14788

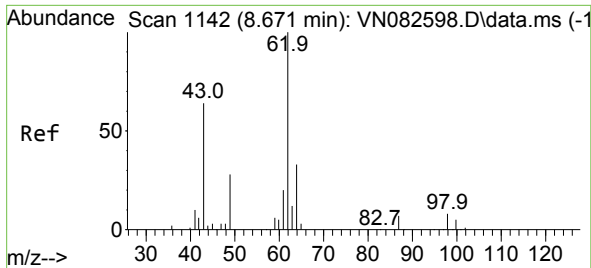
Ion Ratio Lower Upper

117 100

119 6.5 74.9 112.3#

121 0.0 24.3 36.5#

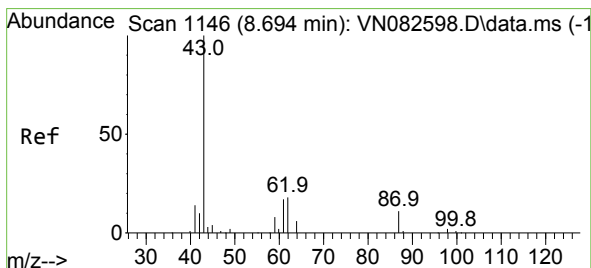
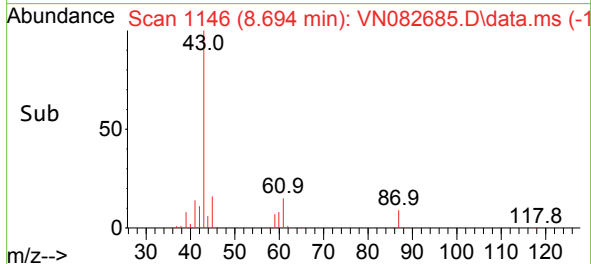
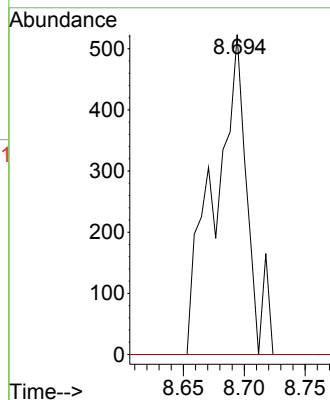
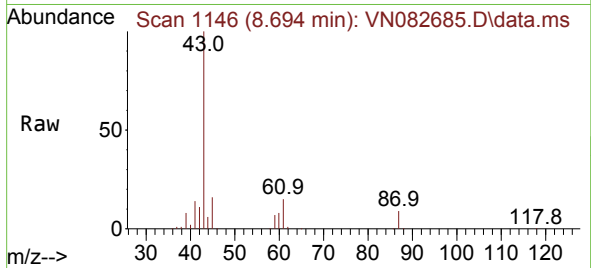




#42
1,2-Dichloroethane
Concen: 0.314 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

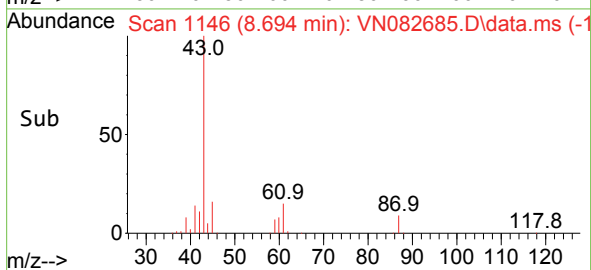
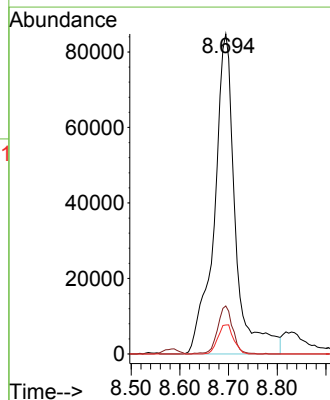
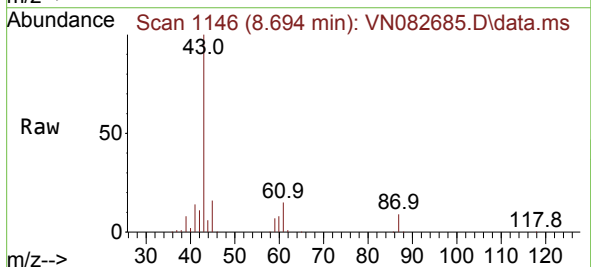
Instrument :
MSVOA_N
ClientSampleId :

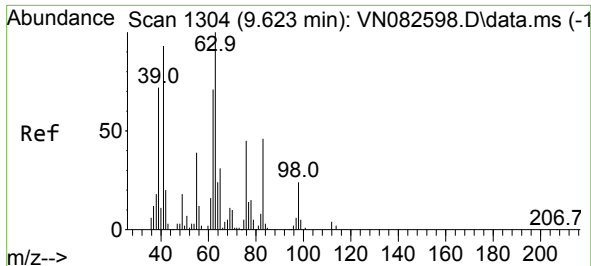
Tgt Ion: 62 Resp: 986
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8



#43
Isopropyl Acetate
Concen: 40.140 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Tgt Ion: 43 Resp: 254941
Ion Ratio Lower Upper
43 100
61 10.7 17.8 26.6#
87 6.8 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.818 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

Instrument :

MSVOA_N

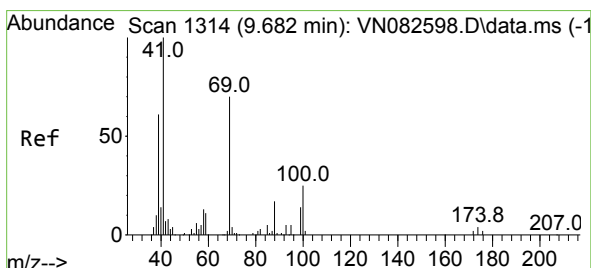
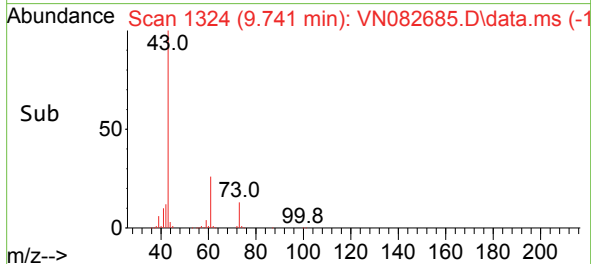
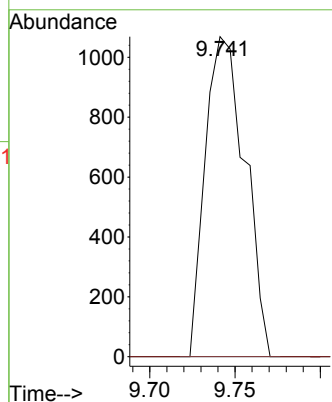
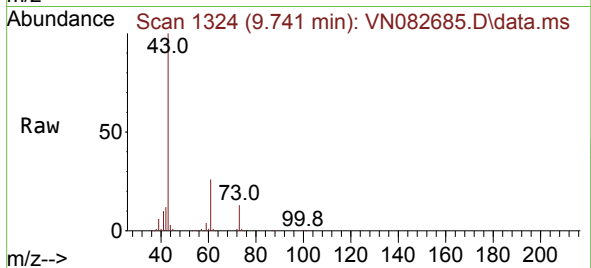
ClientSampleId :

Tgt Ion: 63 Resp: 1735

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 57.352 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

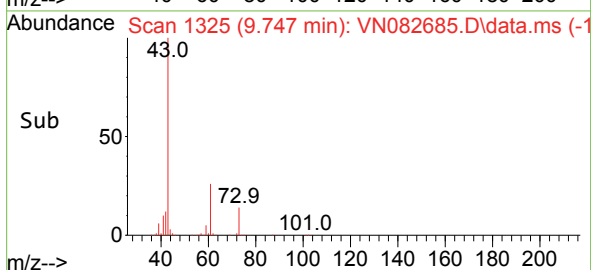
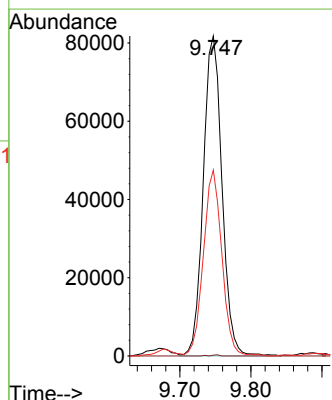
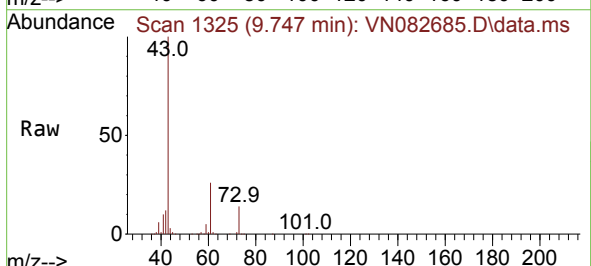
Tgt Ion: 41 Resp: 150161

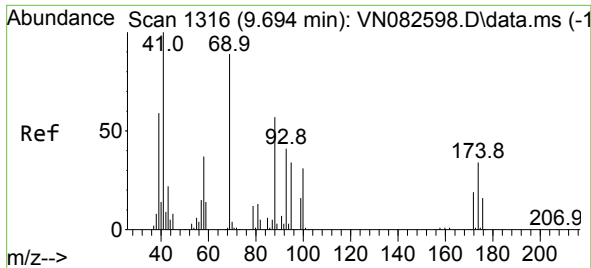
Ion Ratio Lower Upper

41 100

69 0.2 56.3 84.5#

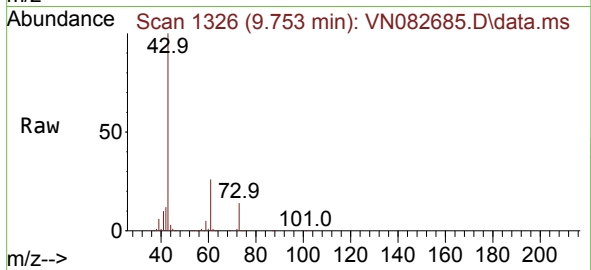
39 57.4 50.3 75.5



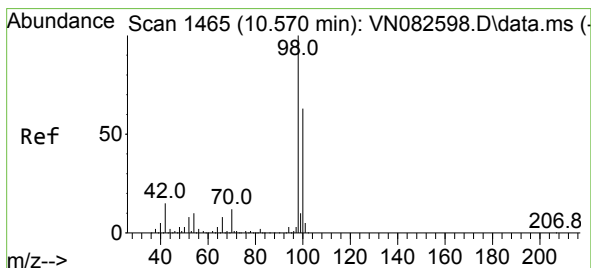
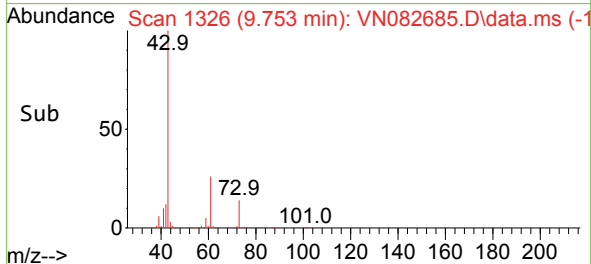
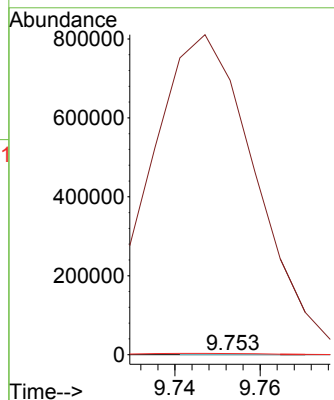


#49
1,4-Dioxane
Concen: 1.905 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :

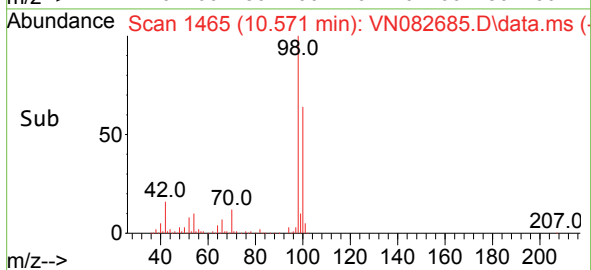
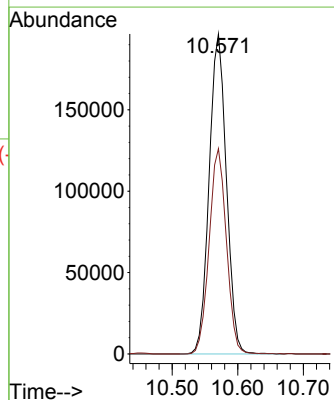
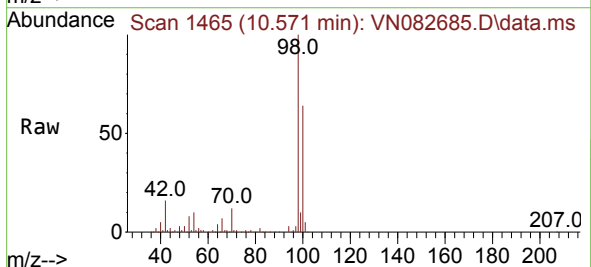


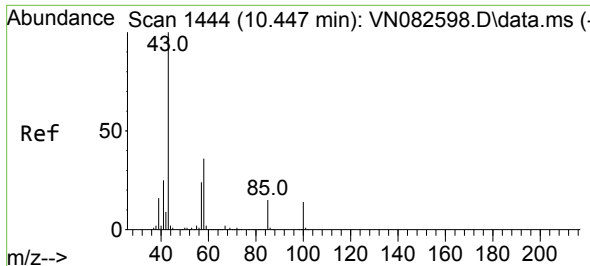
Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 1856775.6 27.8 41.8#
58 9103.8 59.4 89.0#



#50
Toluene-d8
Concen: 53.215 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

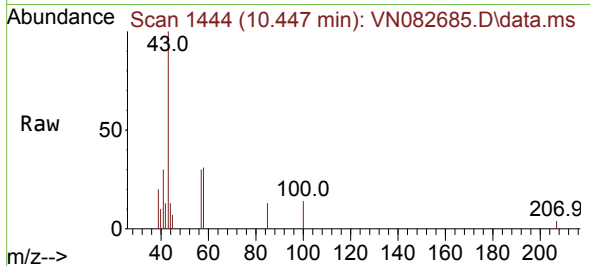
Tgt Ion: 98 Resp: 359155
Ion Ratio Lower Upper
98 100
100 64.2 51.5 77.3



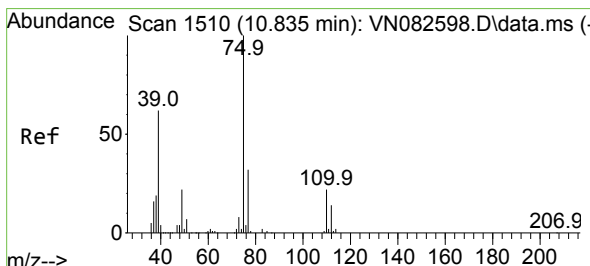
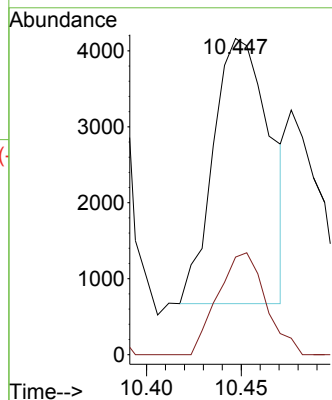
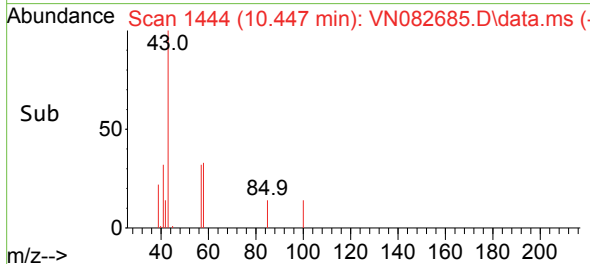


#51
4-Methyl-2-Pentanone
Concen: 2.224 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

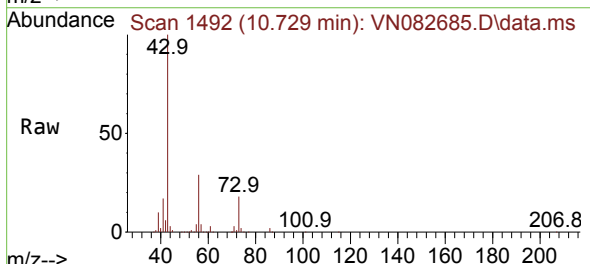
Instrument :
MSVOA_N
ClientSampleId :



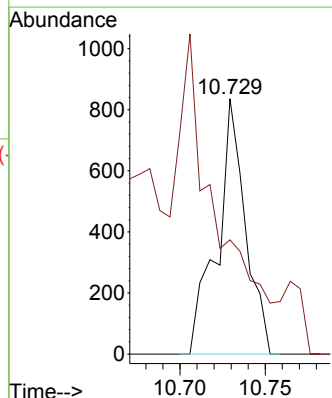
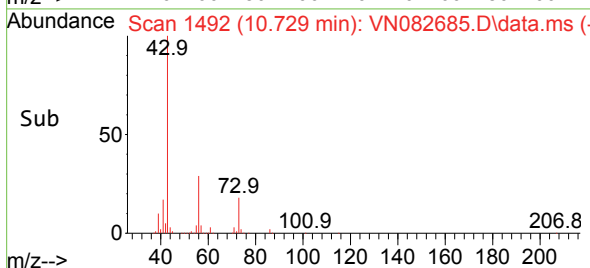
Tgt Ion: 43 Resp: 7245
Ion Ratio Lower Upper
43 100
58 32.5 28.2 42.4

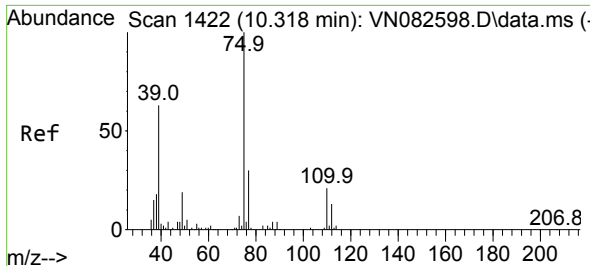


#53
t-1,3-Dichloropropene
Concen: 0.307 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11



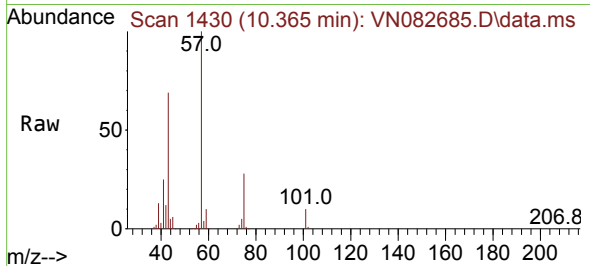
Tgt Ion: 75 Resp: 961
Ion Ratio Lower Upper
75 100
77 24.2 25.7 38.5#



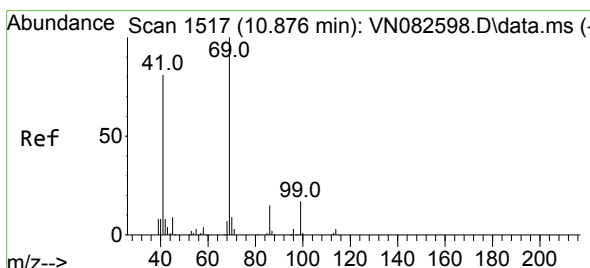
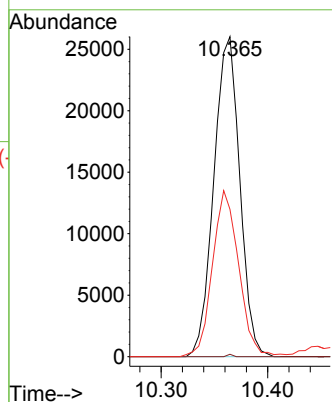
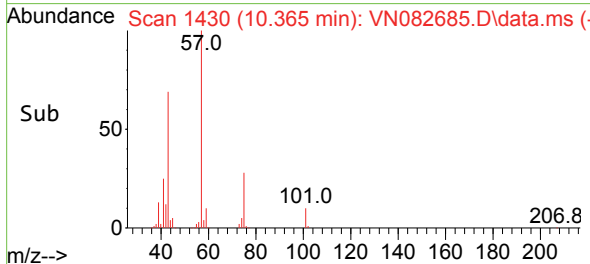


#54
cis-1,3-Dichloropropene
Concen: 13.571 ug/l
RT: 10.365 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :

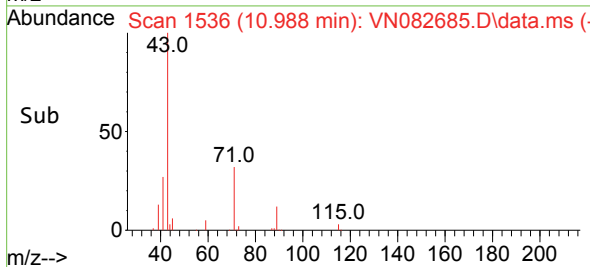
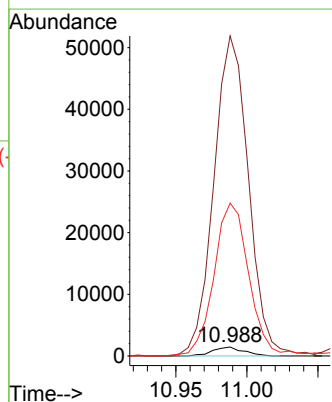
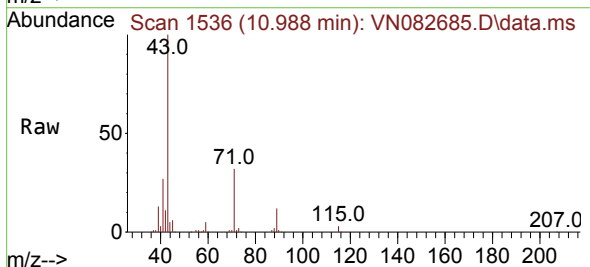


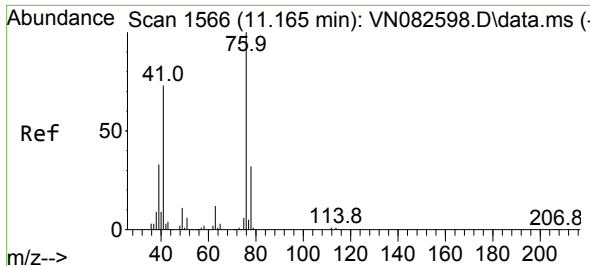
Tgt Ion: 75 Resp: 43996
Ion Ratio Lower Upper
75 100
77 0.7 24.3 36.5#
39 46.1 50.5 75.7#



#56
Ethyl methacrylate
Concen: 0.737 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Tgt Ion: 69 Resp: 2207
Ion Ratio Lower Upper
69 100
41 3995.5 63.4 95.2#
39 1922.3 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.814 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

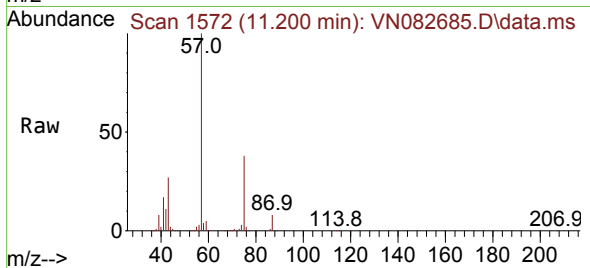
Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

Instrument :

MSVOA_N

ClientSampleId :

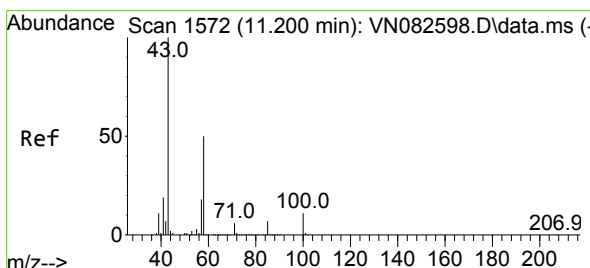
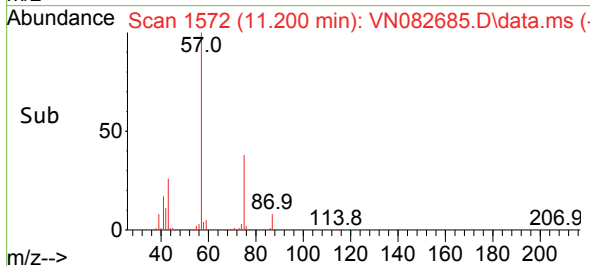
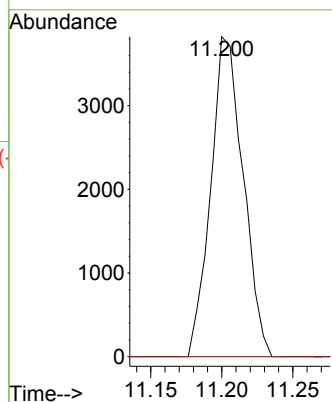


Tgt Ion: 76 Resp: 6065

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 34.993 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN082685.D

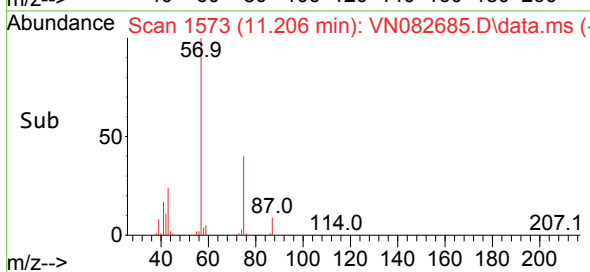
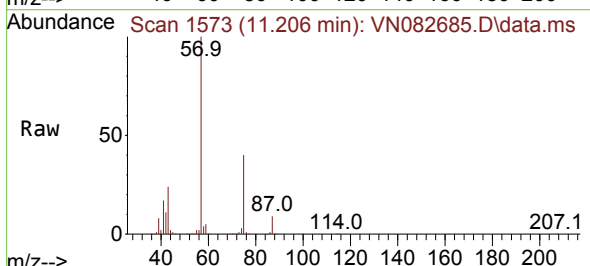
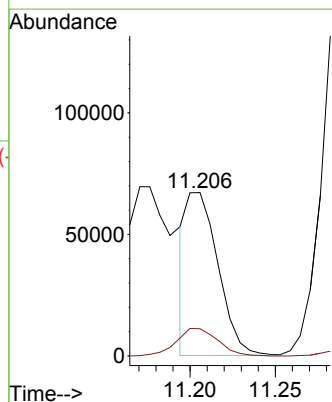
Acq: 21 Jun 2024 18:11

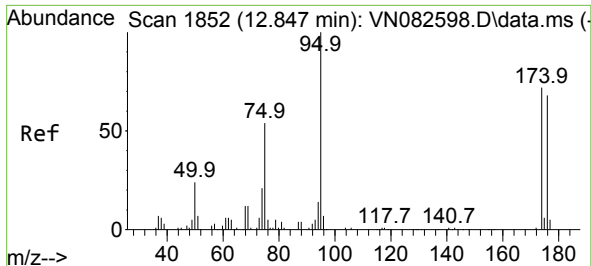
Tgt Ion: 43 Resp: 86641

Ion Ratio Lower Upper

43 100

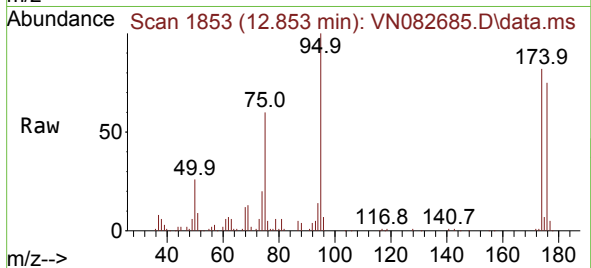
58 22.2 24.6 73.8#



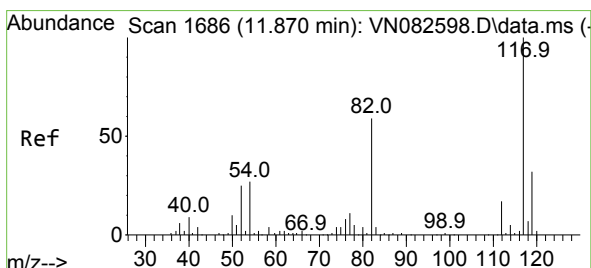
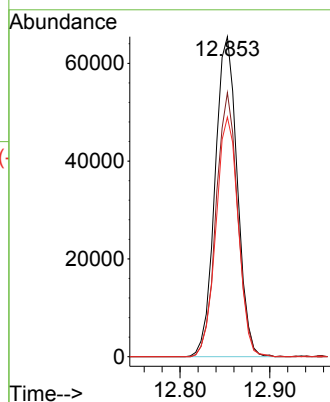
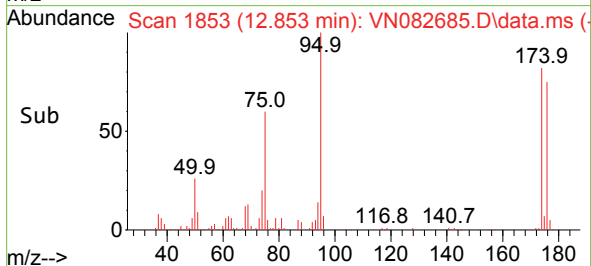


#62
4-Bromofluorobenzene
Concen: 48.321 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

Instrument :
MSVOA_N
ClientSampleId :

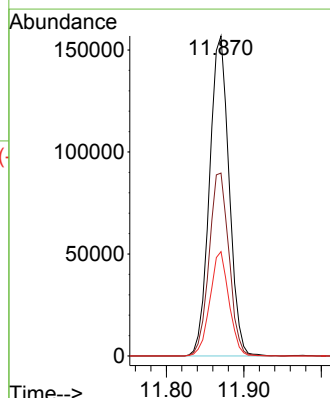
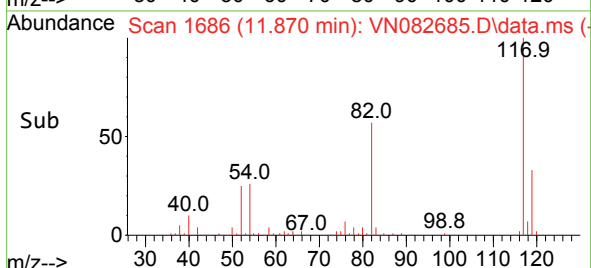
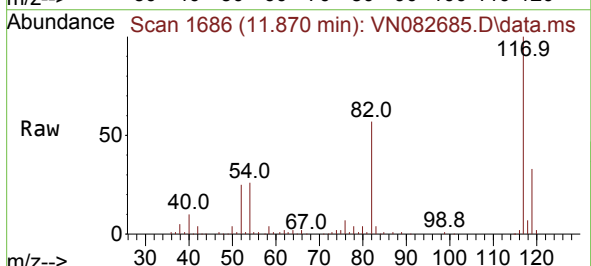


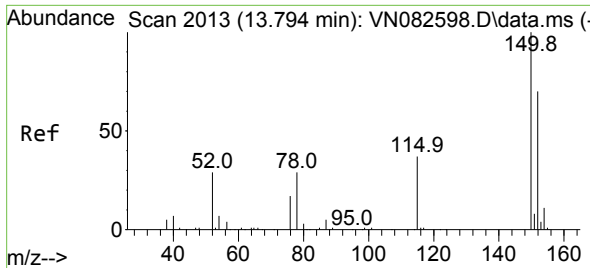
Tgt Ion: 95 Resp: 112436
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.2
176 74.9 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082685.D
Acq: 21 Jun 2024 18:11

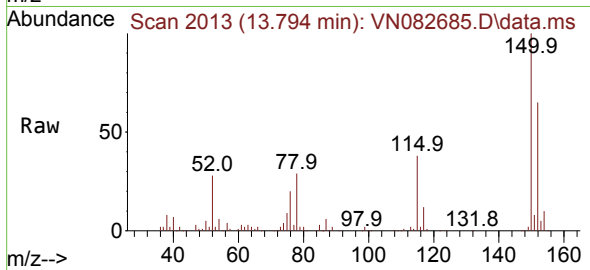
Tgt Ion: 117 Resp: 275181
Ion Ratio Lower Upper
117 100
82 57.2 47.5 71.3
119 32.6 25.6 38.4



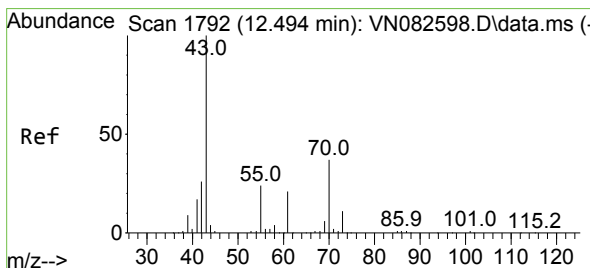
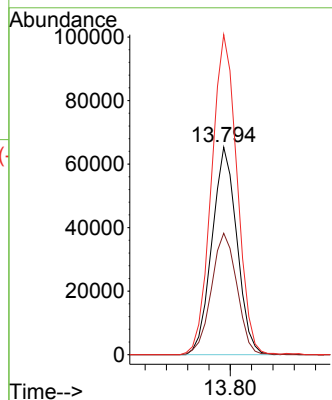
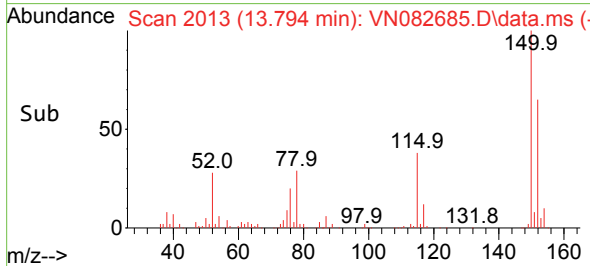


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082685.D
 Acq: 21 Jun 2024 18:11

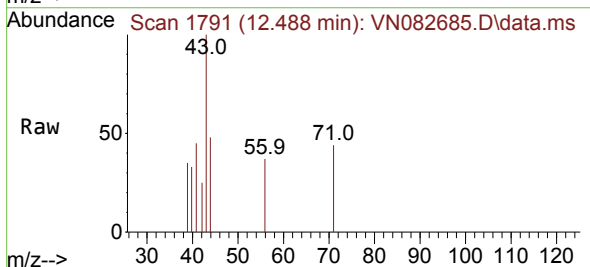
Instrument :
 MSVOA_N
 ClientSampleId :



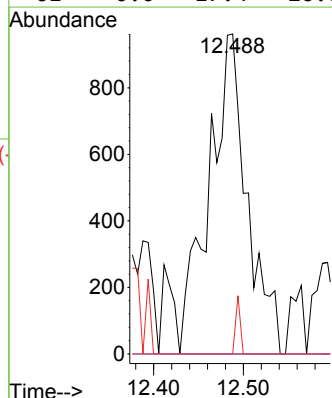
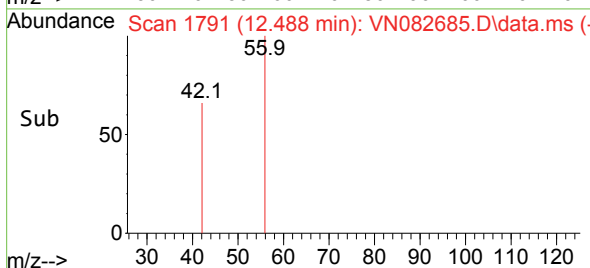
Tgt Ion:152 Resp: 105973
 Ion Ratio Lower Upper
 152 100
 115 60.2 30.6 91.6
 150 158.1 0.0 348.6

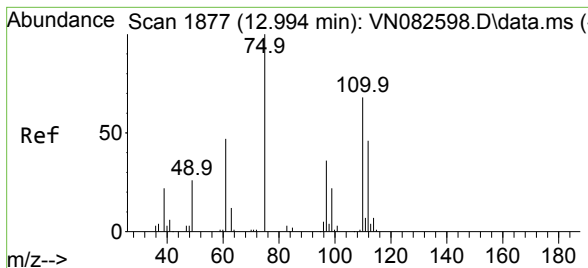


#74
 N-ethyl acetate
 Concen: 0.663 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN082685.D
 Acq: 21 Jun 2024 18:11



Tgt Ion: 43 Resp: 2848
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.6#
 55 2.2 18.7 28.1#
 61 0.0 17.4 26.0#





#76

1,2,3-Trichloropropane

Concen: 25.828 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

Instrument :

MSVOA_N

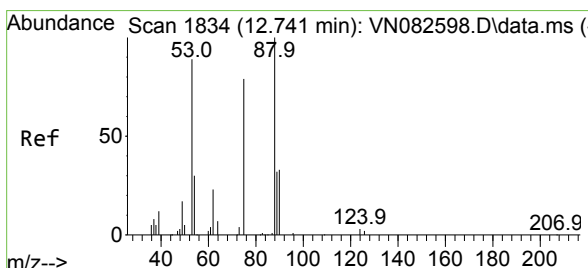
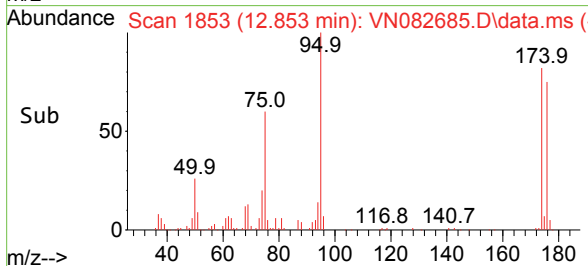
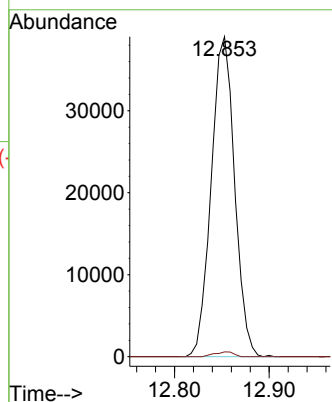
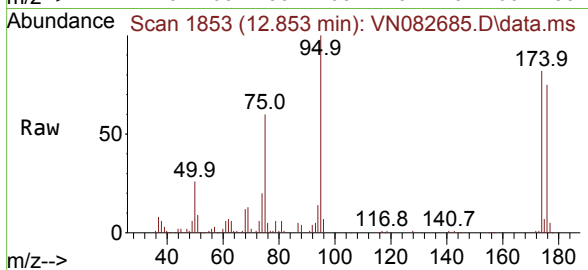
ClientSampleId :

Tgt Ion: 75 Resp: 66945

Ion Ratio Lower Upper

75 100

77 1.2 110.9 332.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.792 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082685.D

Acq: 21 Jun 2024 18:11

Tgt Ion: 75 Resp: 66945

Ion Ratio Lower Upper

75 100

53 0.1 88.4 132.6#

89 0.0 36.3 54.5#

