

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062124\
 Data File : VN082687.D
 Acq On : 21 Jun 2024 19:00
 Operator : JC\MD
 Sample : P2976-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 24 02:16:57 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)

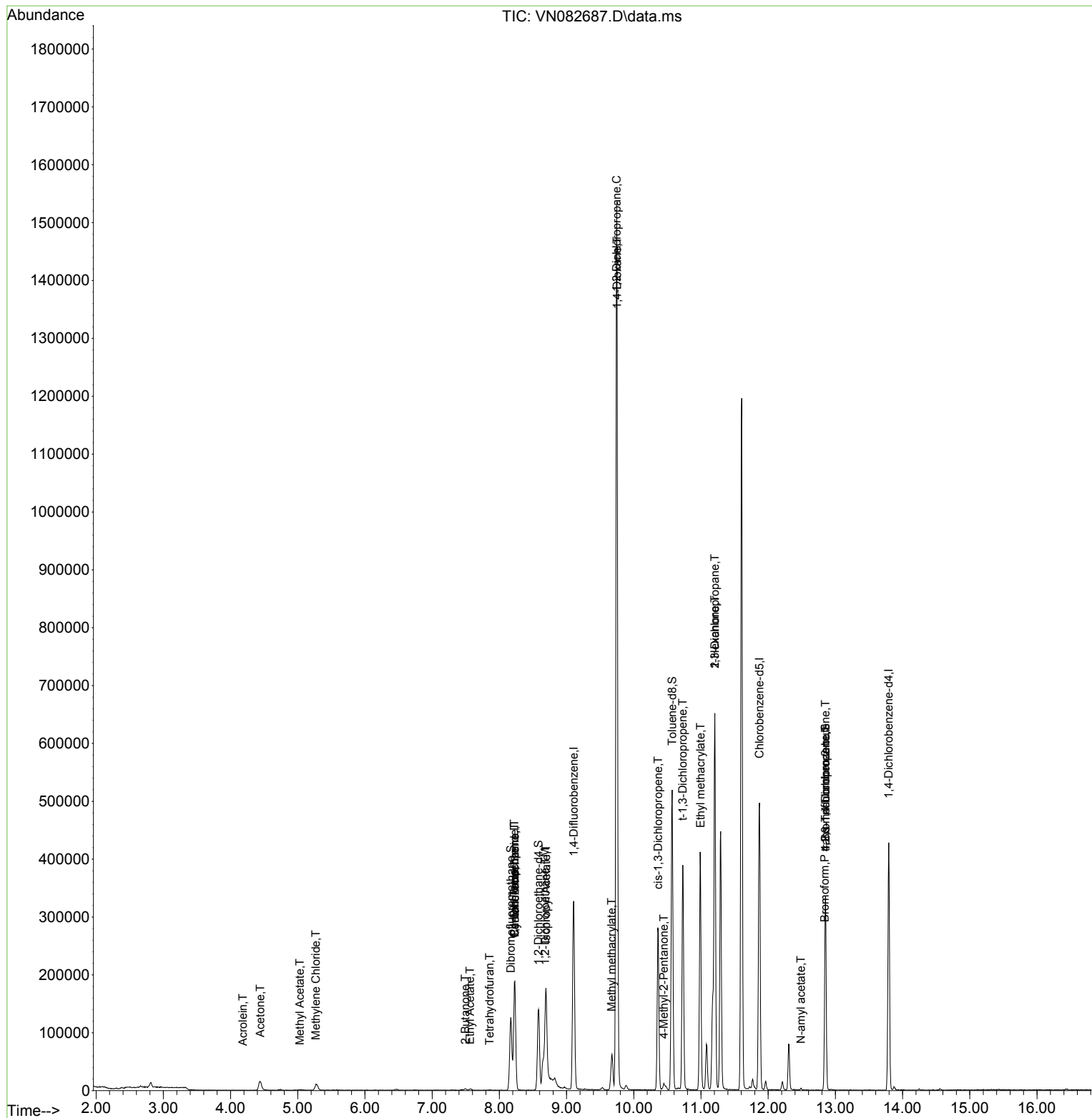
Internal Standards						
1) Pentafluorobenzene	8.230	168	130607	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	258425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	269685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117857	56.271	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.540%			
35) Dibromofluoromethane	8.171	113	86202	49.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	10.571	98	329983	49.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.540%			
62) 4-Bromofluorobenzene	12.853	95	103534	45.297	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 90.600%			
Target Compounds					Qvalue	
13) Acrolein	4.183	56	114	0.326	ug/l #	14
16) Acetone	4.442	43	32824	34.460	ug/l	97
18) Methyl Acetate	5.030	43	2738	1.175	ug/l #	78
20) Methylene Chloride	5.271	84	8053	4.809	ug/l #	91
25) 2-Butanone	7.494	43	5009	3.700	ug/l #	89
29) Tetrahydrofuran	7.853	42	689	0.831	ug/l #	45
31) Cyclohexane	8.230	56	3636	1.203	ug/l #	21
36) 1,1-Dichloropropene	8.224	75	11638	4.441	ug/l #	51
37) Ethyl Acetate	7.565	43	1237	0.371	ug/l #	66
38) Carbon Tetrachloride	8.224	117	14474	4.901	ug/l #	21
42) 1,2-Dichloroethane	8.682	62	1034	0.336	ug/l #	78
43) Isopropyl Acetate	8.694	43	264684	42.425	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1552	0.745	ug/l #	44
48) Methyl methacrylate	9.671	41	4632	1.801	ug/l #	54
49) 1,4-Dioxane	9.753	88	81	2.013	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	12099	3.781	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	867	0.282	ug/l #	24
54) cis-1,3-Dichloropropene	10.365	75	41783	13.121	ug/l #	68
56) Ethyl methacrylate	10.994	69	2048	0.696	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5546	1.689	ug/l #	43
59) 2-Hexanone	11.206	43	82942	34.103	ug/l #	59
71) Bromoform	12.841	173	372	0.213	ug/l #	1
74) N-amyl acetate	12.488	43	1726	0.409	ug/l #	48
76) 1,2,3-Trichloropropane	12.853	75	60385	23.718	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	60385	56.745	ug/l #	6

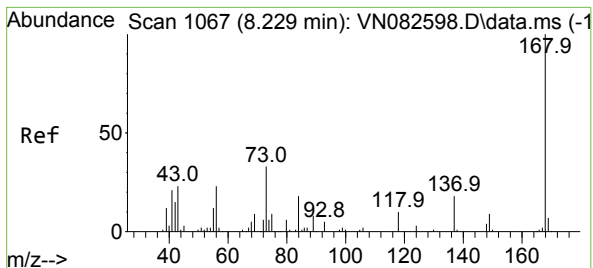
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.001 min

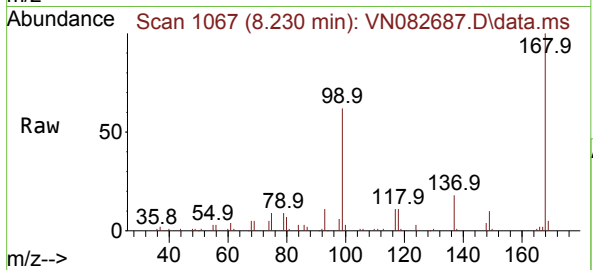
Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :

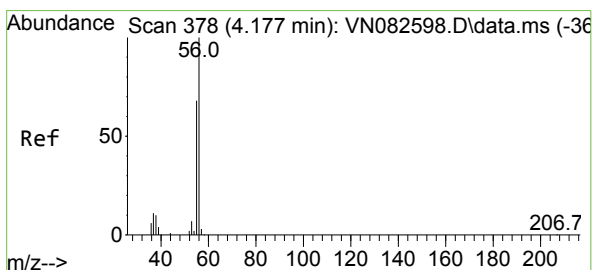
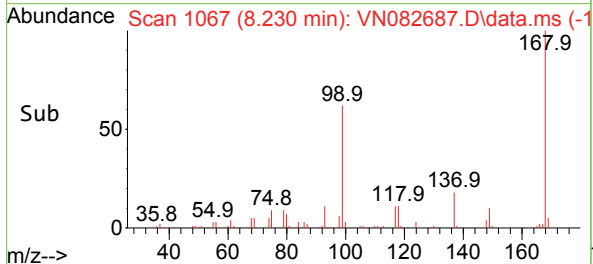
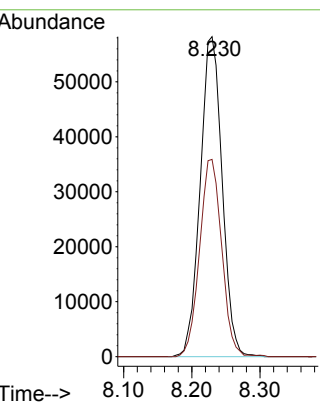


Tgt Ion:168 Resp: 130607

Ion Ratio Lower Upper

168 100

99 61.6 48.2 72.4



#13

Acrolein

Concen: 0.326 ug/l

RT: 4.183 min Scan# 379

Delta R.T. 0.006 min

Lab File: VN082687.D

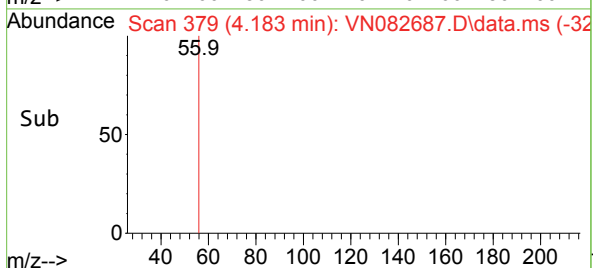
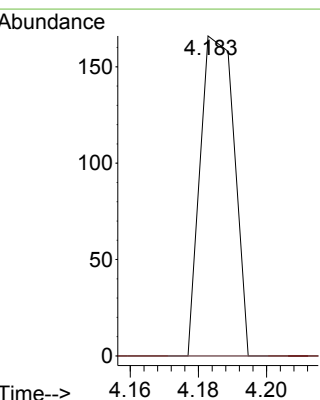
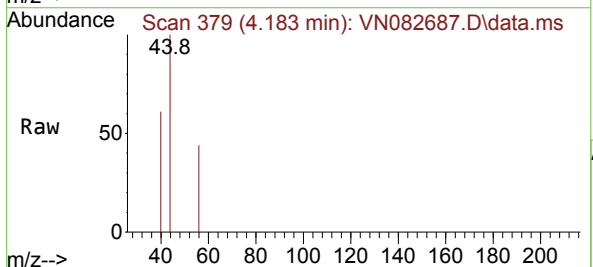
Acq: 21 Jun 2024 19:00

Tgt Ion: 56 Resp: 114

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#

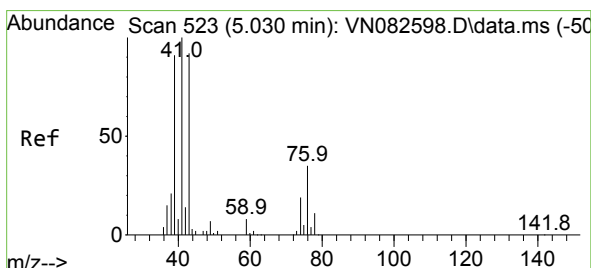
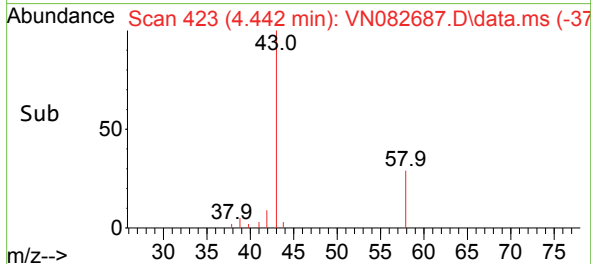
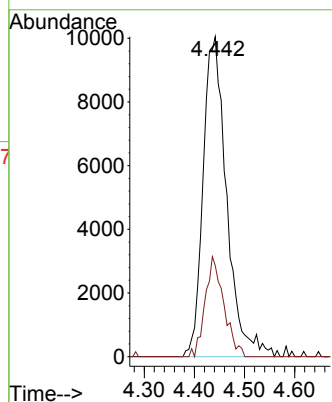
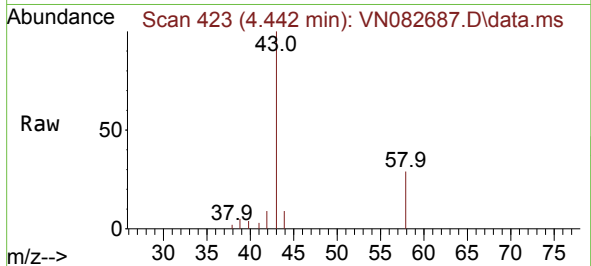




#16
Acetone
Concen: 34.460 ug/l
RT: 4.442 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

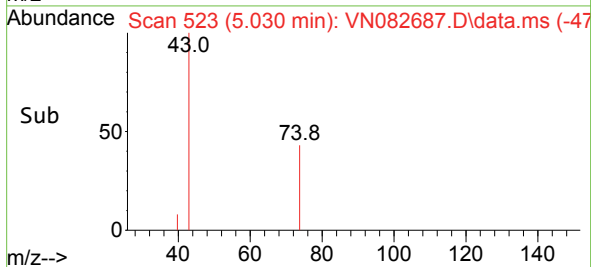
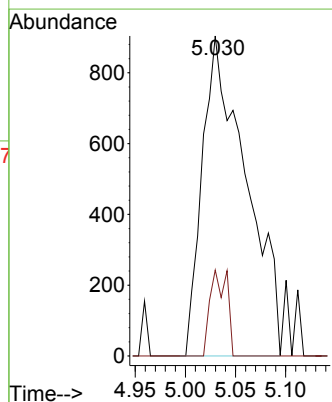
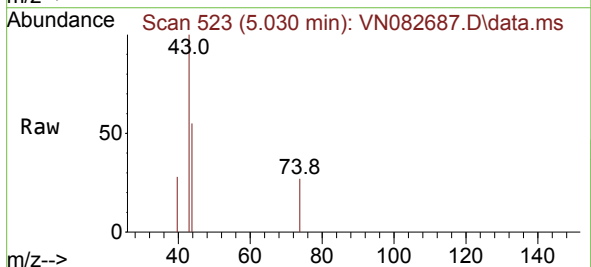
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 32824
Ion Ratio Lower Upper
43 100
58 28.5 21.8 32.6



#18
Methyl Acetate
Concen: 1.175 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.000 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

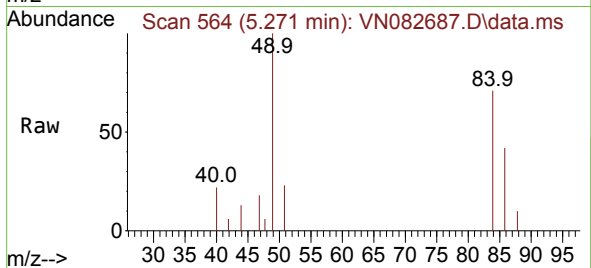
Tgt Ion: 43 Resp: 2738
Ion Ratio Lower Upper
43 100
74 10.4 16.3 24.5#



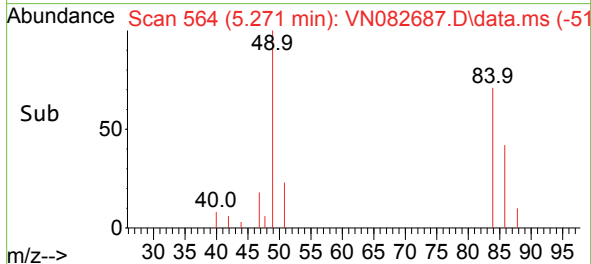
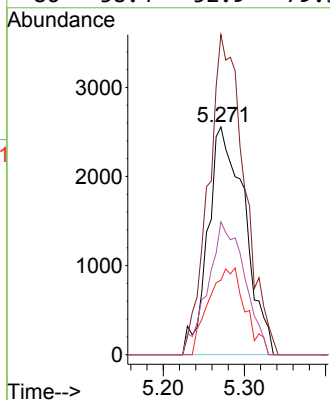


#20
Methylene Chloride
Concen: 4.809 ug/l
RT: 5.271 min Scan# 501
Delta R.T. -0.006 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

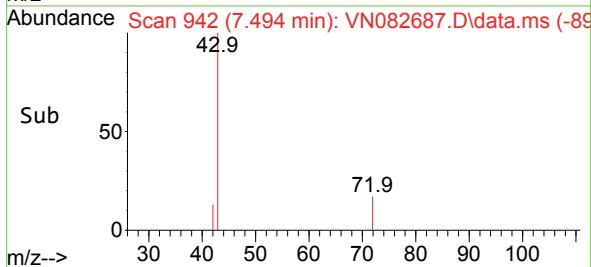
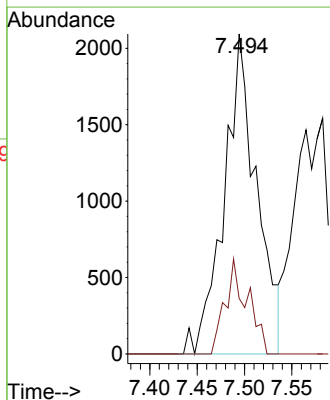
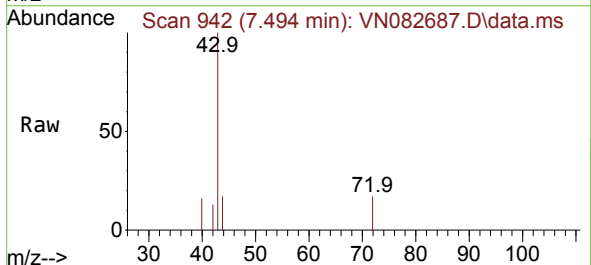


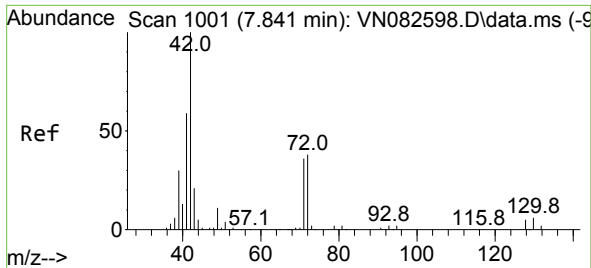
Tgt Ion:	84	Resp:	8053
Ion	Ratio	Lower	Upper
84	100		
49	140.6	119.6	179.4
51	32.7	34.8	52.2#
86	58.4	52.9	79.3



#25
2-Butanone
Concen: 3.700 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

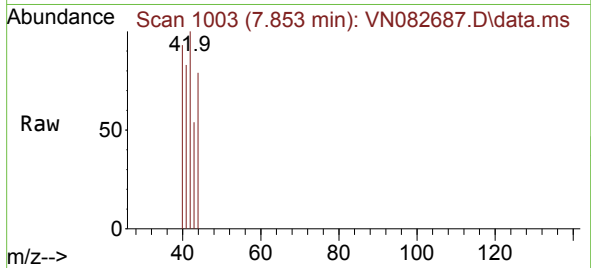
Tgt Ion:	43	Resp:	5009
Ion	Ratio	Lower	Upper
43	100		
72	17.3	18.2	27.2#



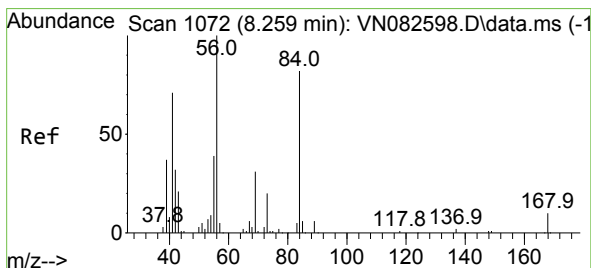
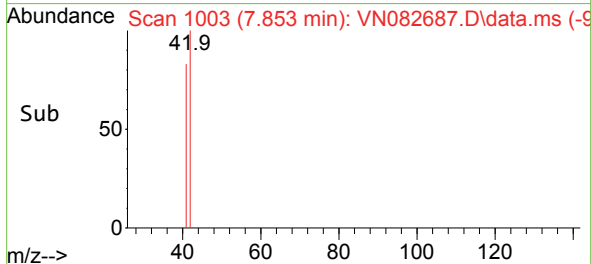
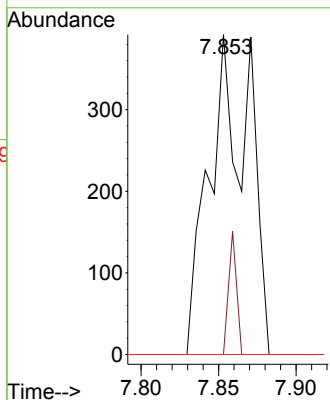


#29
Tetrahydrofuran
Concen: 0.831 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

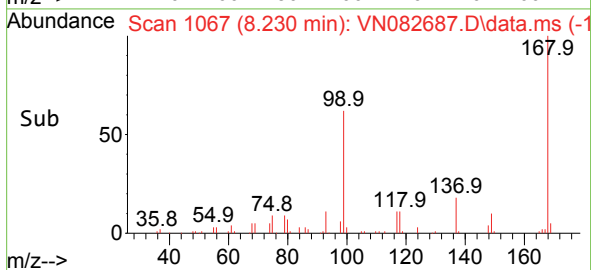
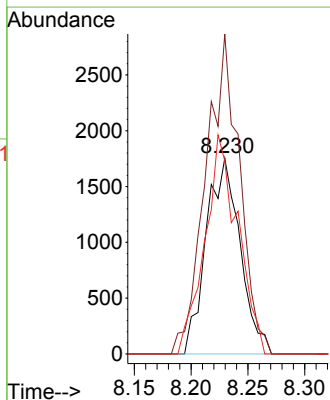
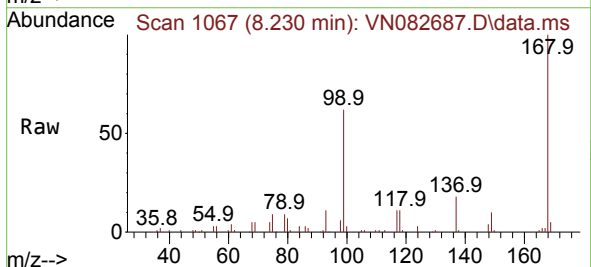


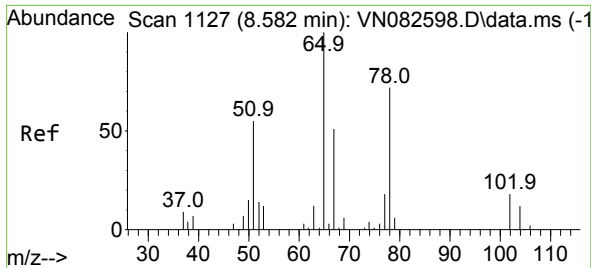
Tgt Ion: 42 Resp: 689
Ion Ratio Lower Upper
42 100
72 7.7 30.0 45.0#
71 0.0 28.3 42.5#



#31
Cyclohexane
Concen: 1.203 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Tgt Ion: 56 Resp: 3636
Ion Ratio Lower Upper
56 100
69 163.4 24.5 36.7#
84 98.6 66.0 99.0





#33

1,2-Dichloroethane-d4

Concen: 56.271 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

MSVOA_N

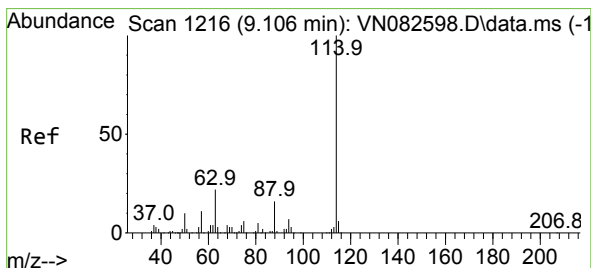
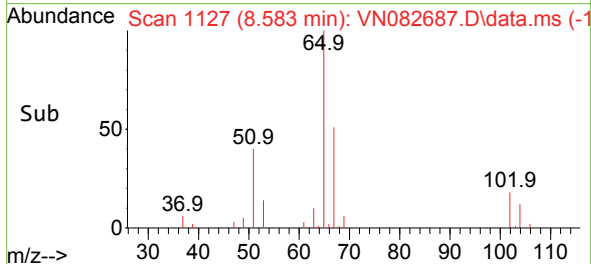
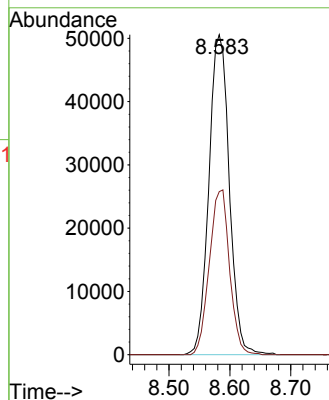
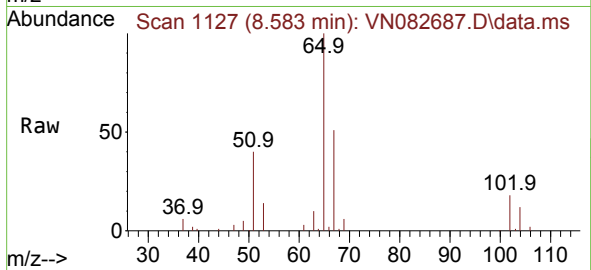
ClientSampleId :

Tgt Ion: 65 Resp: 117857

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: VN082687.D

Acq: 21 Jun 2024 19:00

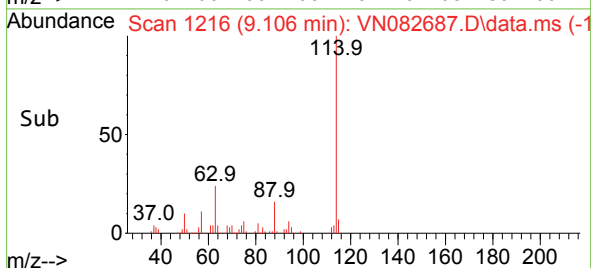
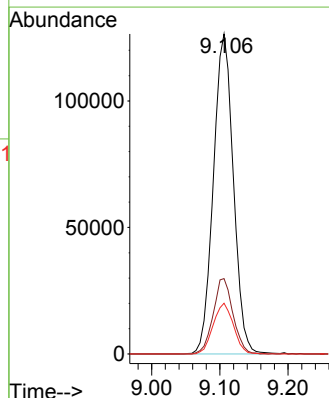
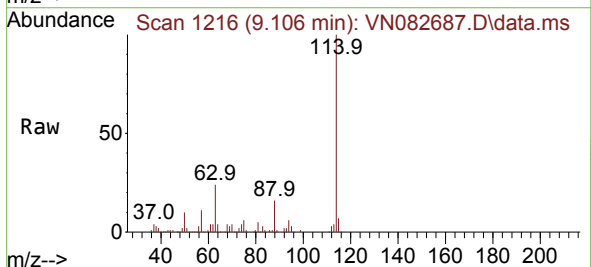
Tgt Ion: 114 Resp: 258425

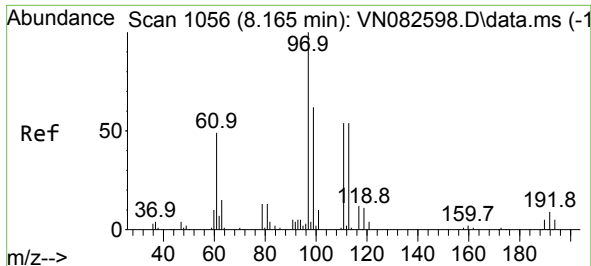
Ion Ratio Lower Upper

114 100

63 23.5 0.0 44.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.170 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

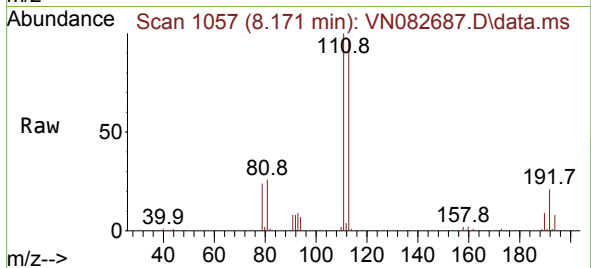
Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

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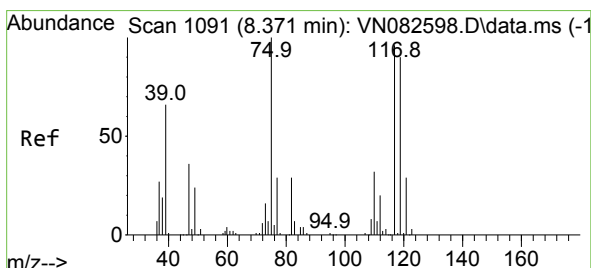
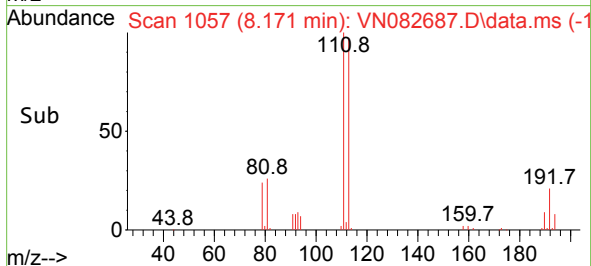
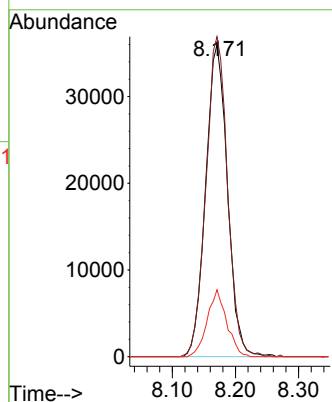
Tgt Ion:113 Resp: 86202

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

192 19.2 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.441 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

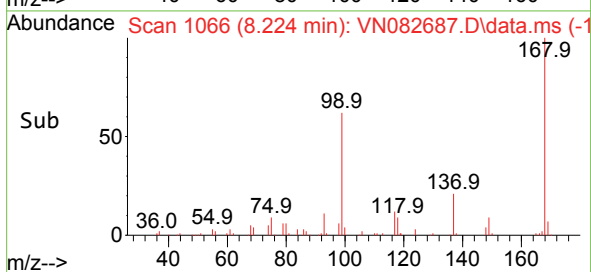
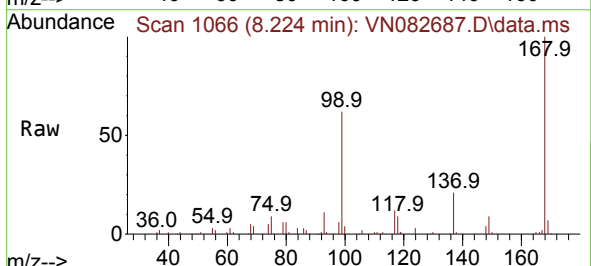
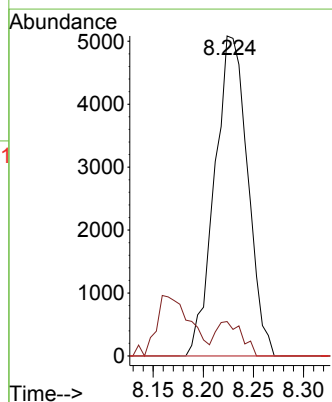
Tgt Ion: 75 Resp: 11638

Ion Ratio Lower Upper

75 100

110 8.4 16.3 48.9#

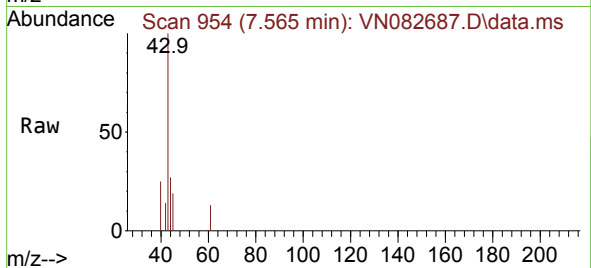
77 0.0 24.6 37.0#



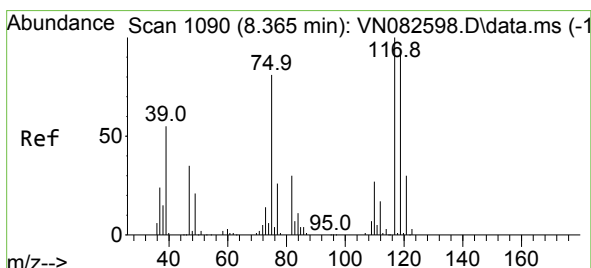
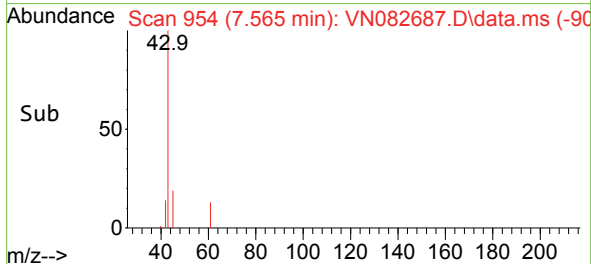
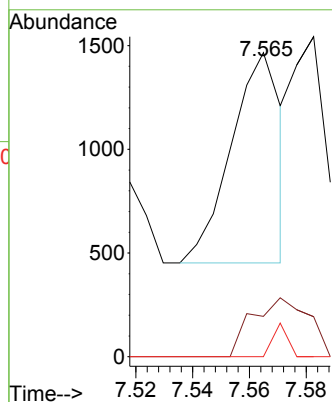


#37
Ethyl Acetate
Concen: 0.371 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

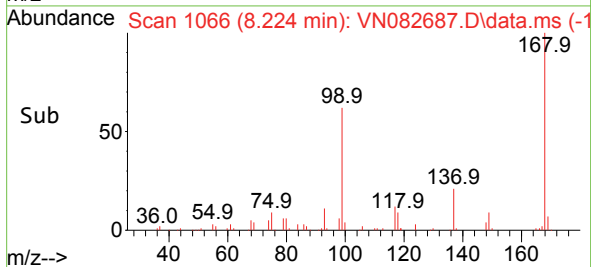
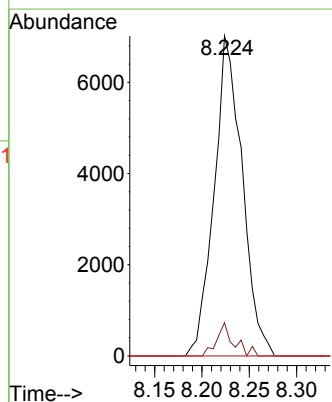
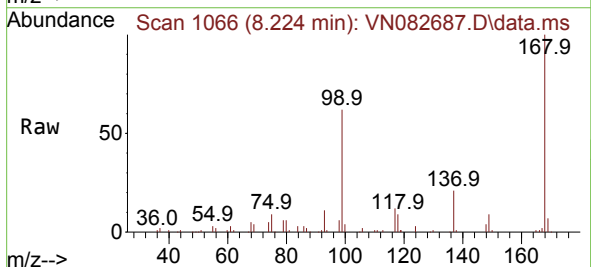


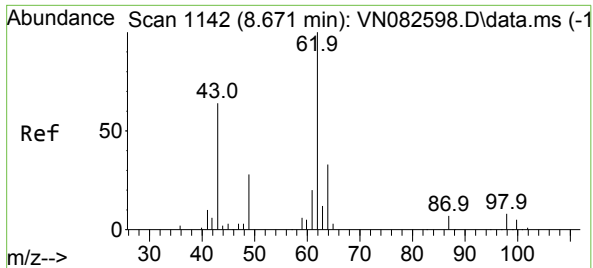
Tgt Ion: 43 Resp: 1237
Ion Ratio Lower Upper
43 100
61 31.5 9.3 13.9#
70 4.6 7.0 10.6#



#38
Carbon Tetrachloride
Concen: 4.901 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Tgt Ion: 117 Resp: 14474
Ion Ratio Lower Upper
117 100
119 10.3 74.9 112.3#
121 0.0 24.3 36.5#





#42

1,2-Dichloroethane

Concen: 0.336 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

MSVOA_N

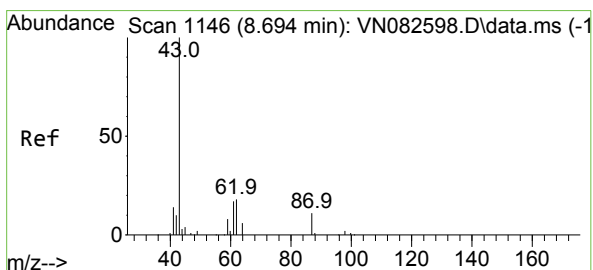
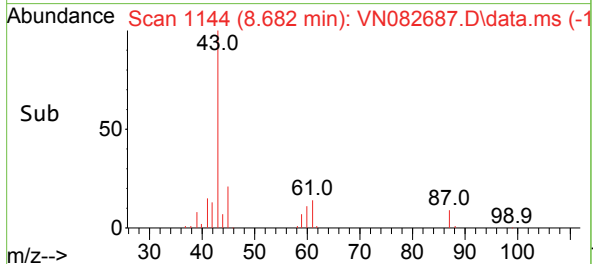
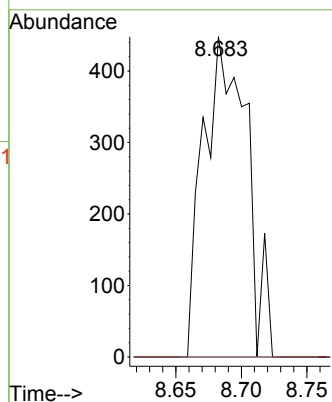
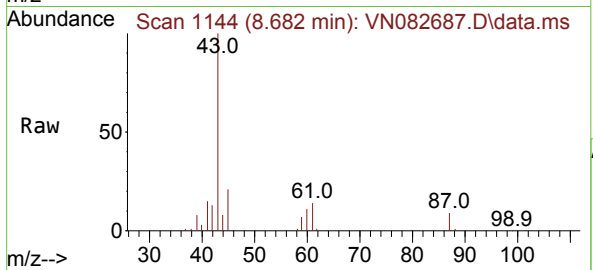
ClientSampleId :

Tgt Ion: 62 Resp: 1034

Ion Ratio Lower Upper

62 100

98 0.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 42.425 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

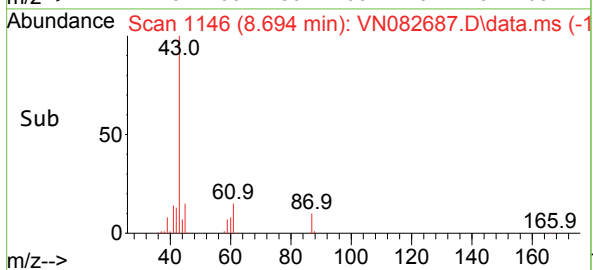
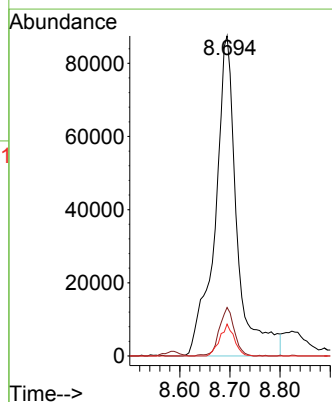
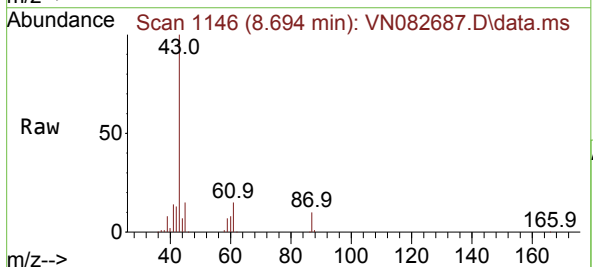
Tgt Ion: 43 Resp: 264684

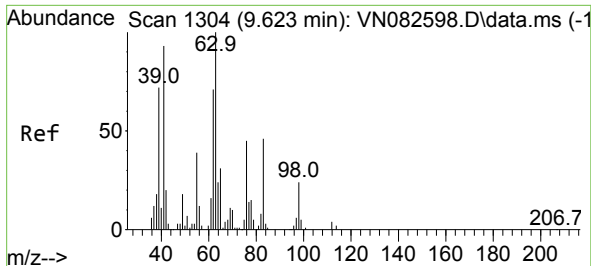
Ion Ratio Lower Upper

43 100

61 10.4 17.8 26.6#

87 6.6 8.2 12.2#





#45

1,2-Dichloropropane

Concen: 0.745 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.124 min

Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

MSVOA_N

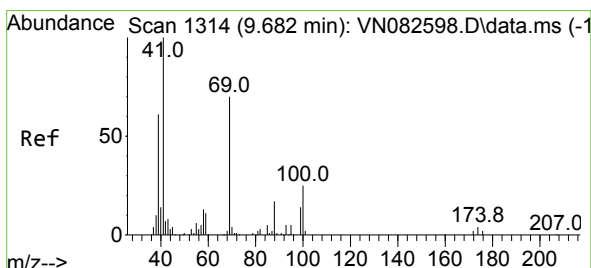
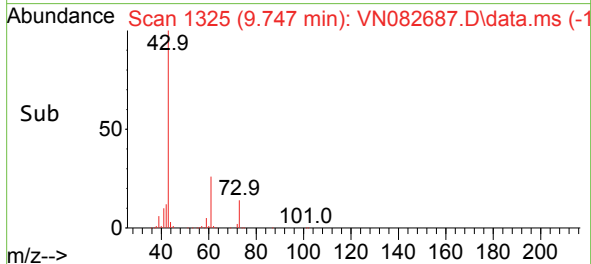
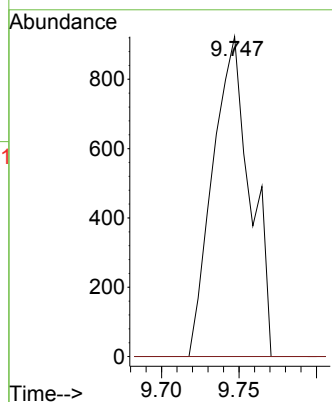
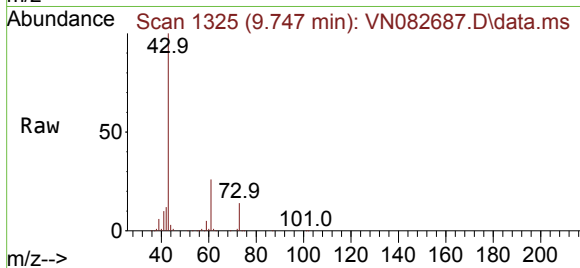
ClientSampleId :

Tgt Ion: 63 Resp: 1552

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



#48

Methyl methacrylate

Concen: 1.801 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.011 min

Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

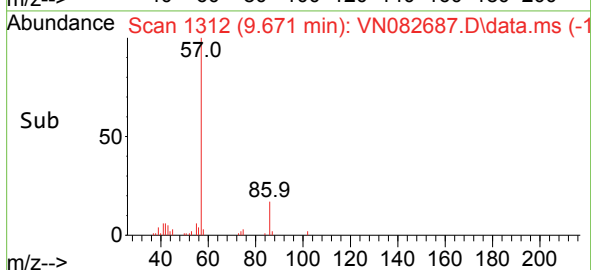
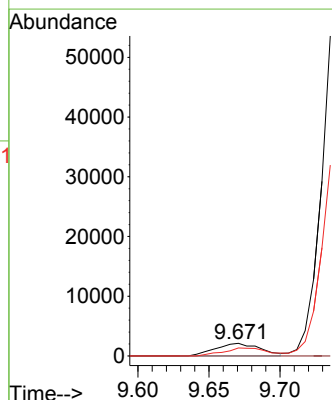
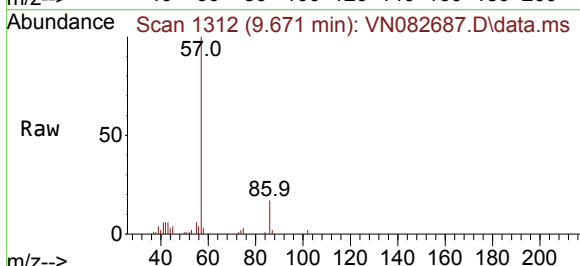
Tgt Ion: 41 Resp: 4632

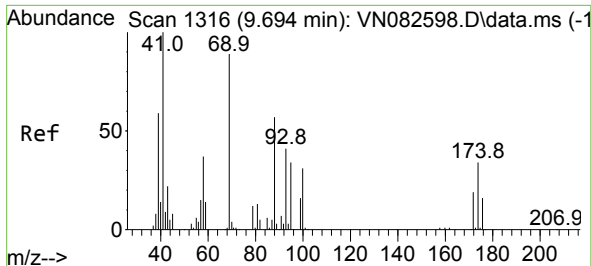
Ion Ratio Lower Upper

41 100

69 0.0 56.3 84.5#

39 63.9 50.3 75.5





#49

1,4-Dioxane

Concen: 2.013 ug/l

RT: 9.753 min Scan# 11

Delta R.T. 0.059 min

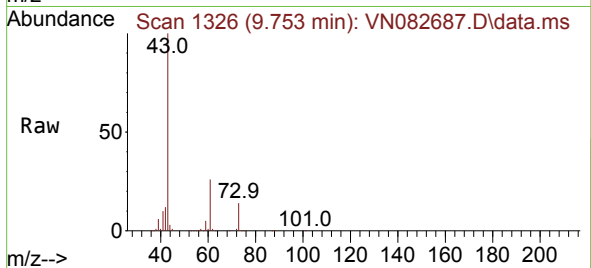
Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :



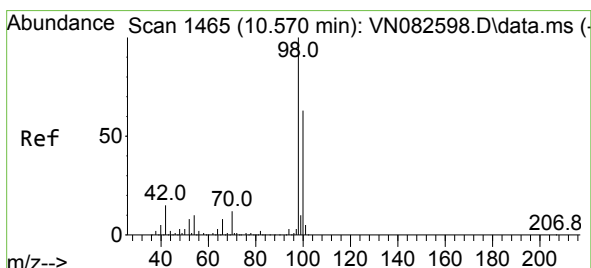
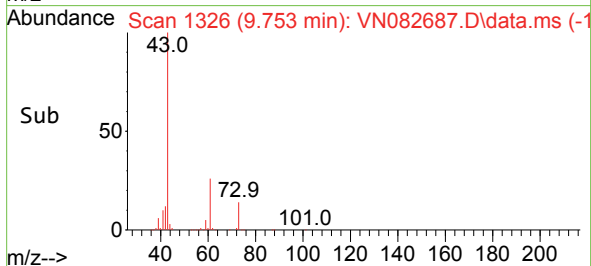
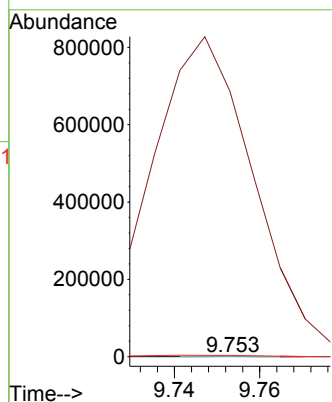
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 1770423.5 27.8 41.8#

58 9104.9 59.4 89.0#



#50

Toluene-d8

Concen: 49.773 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082687.D

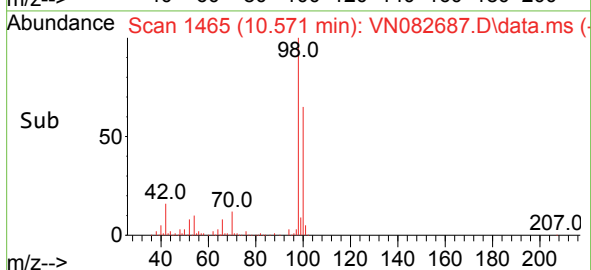
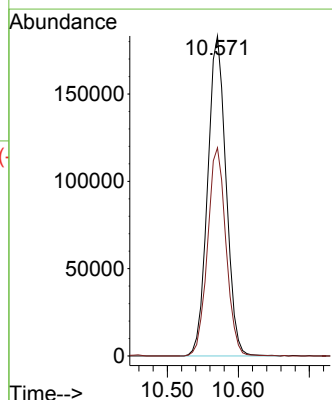
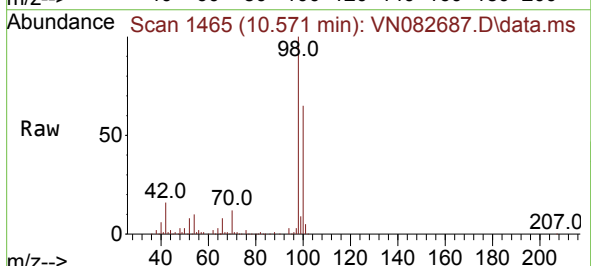
Acq: 21 Jun 2024 19:00

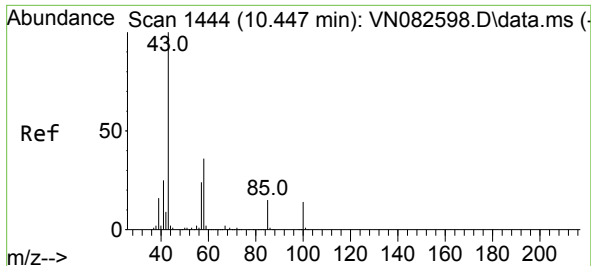
Tgt Ion: 98 Resp: 329983

Ion Ratio Lower Upper

98 100

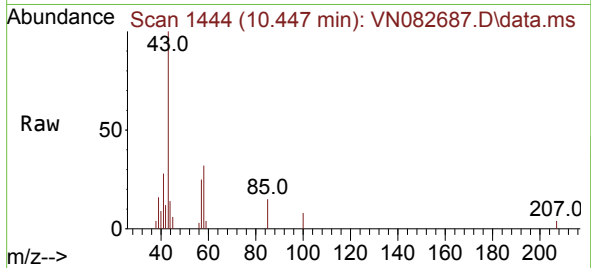
100 65.1 51.5 77.3



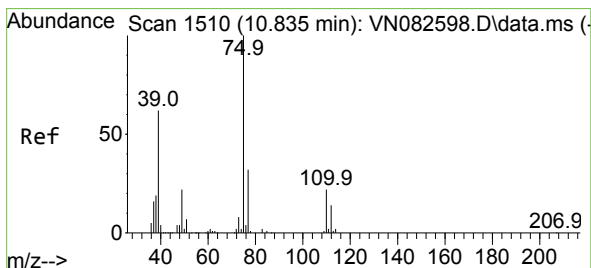
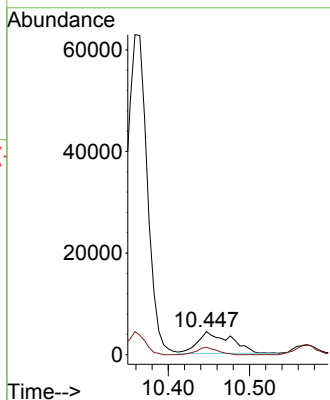
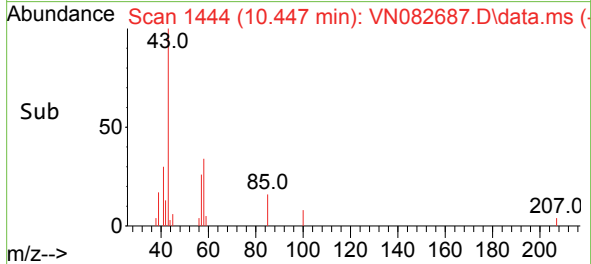


#51
4-Methyl-2-Pentanone
Concen: 3.781 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

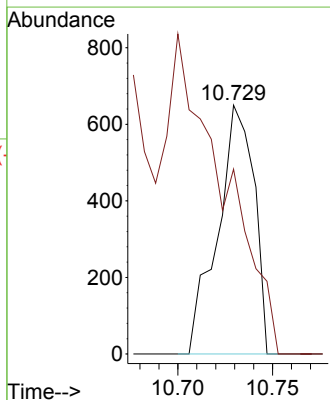
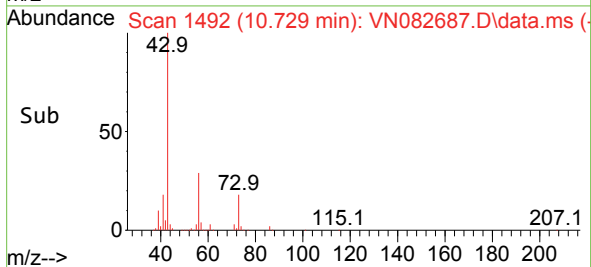
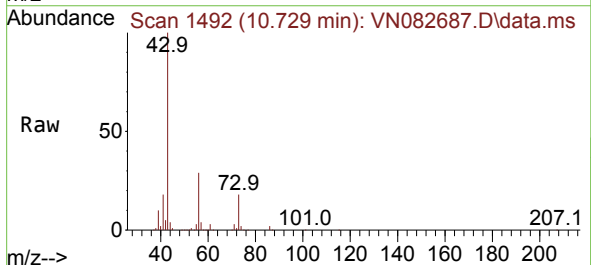


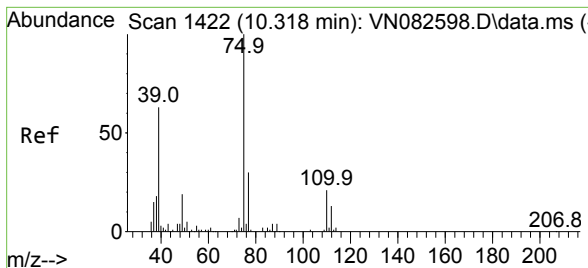
Tgt Ion: 43 Resp: 12099
Ion Ratio Lower Upper
43 100
58 20.9 28.2 42.4#



#53
t-1,3-Dichloropropene
Concen: 0.282 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Tgt Ion: 75 Resp: 867
Ion Ratio Lower Upper
75 100
77 74.3 25.7 38.5#

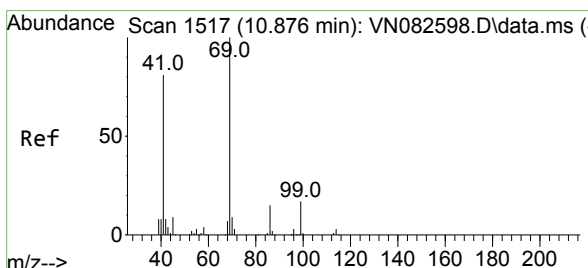
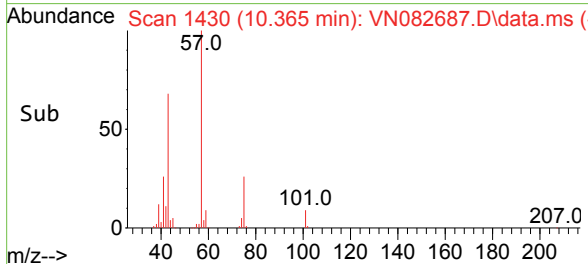
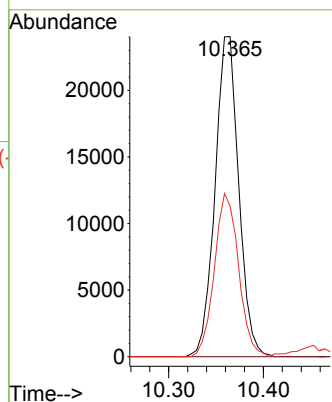
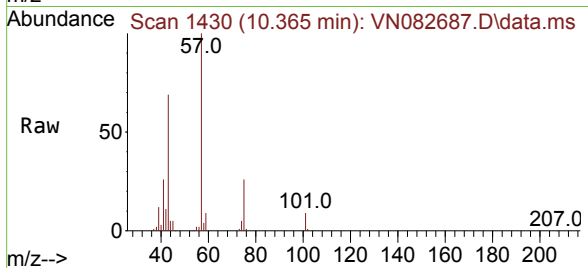




#54
 cis-1,3-Dichloropropene
 Concen: 13.121 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN082687.D
 Acq: 21 Jun 2024 19:00

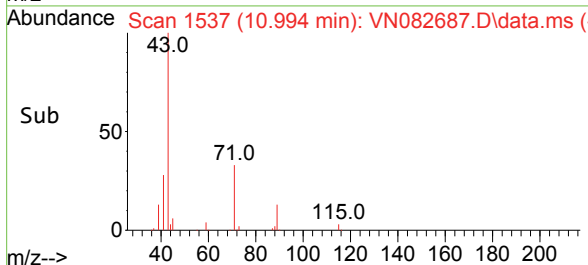
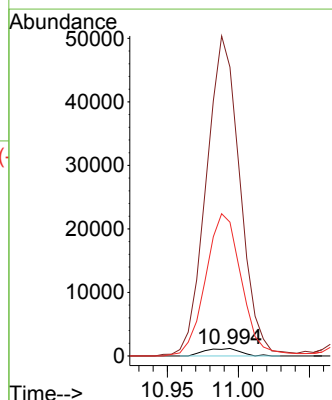
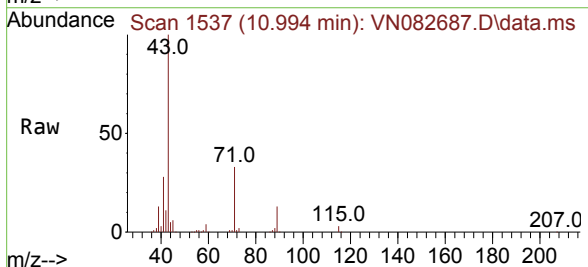
Instrument :
 MSVOA_N
 ClientSampleId :

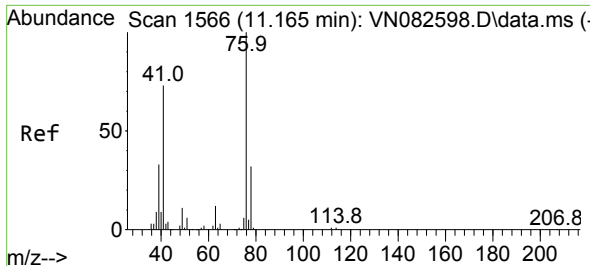
Tgt Ion: 75 Resp: 41783
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.3 36.5#
 39 47.0 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 0.696 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082687.D
 Acq: 21 Jun 2024 19:00

Tgt Ion: 69 Resp: 2048
 Ion Ratio Lower Upper
 69 100
 41 4073.6 63.4 95.2#
 39 1922.9 37.4 56.0#





#57

1,3-Dichloropropane

Concen: 1.689 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

MSVOA_N

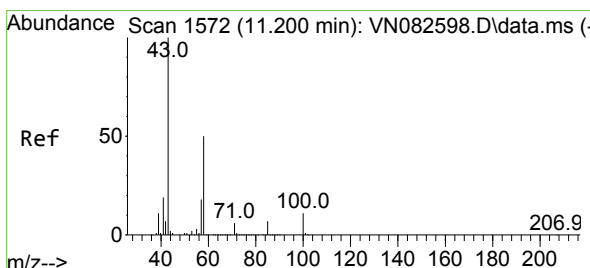
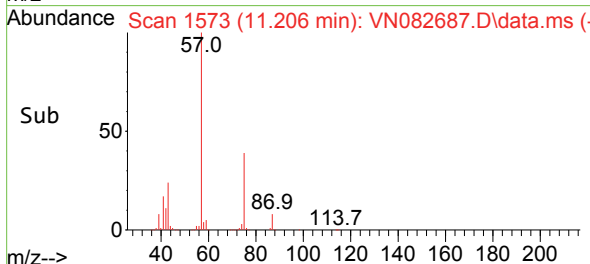
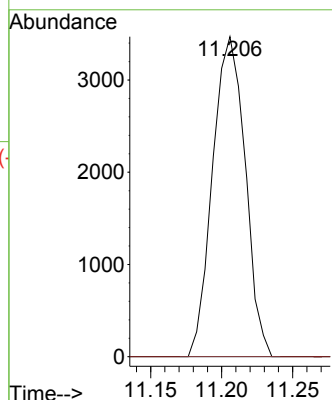
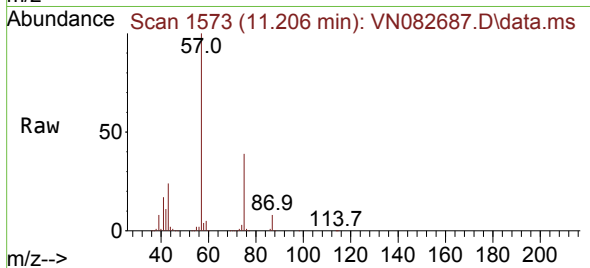
ClientSampleId :

Tgt Ion: 76 Resp: 5546

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 34.103 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN082687.D

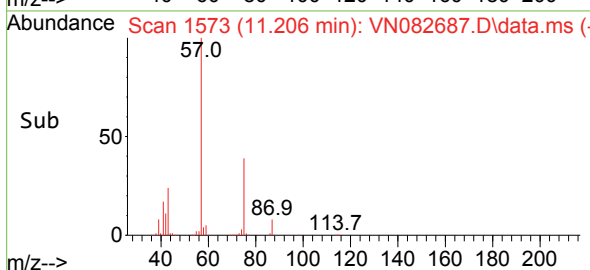
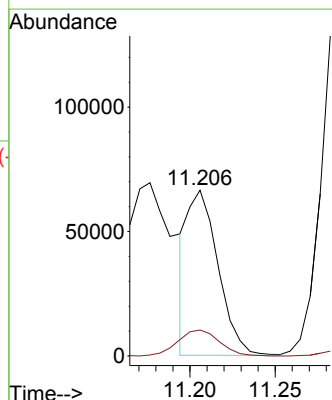
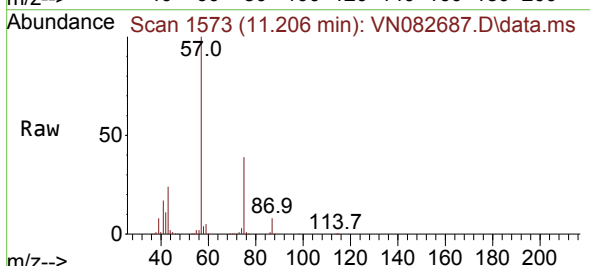
Acq: 21 Jun 2024 19:00

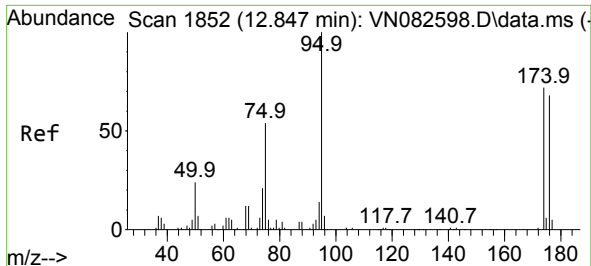
Tgt Ion: 43 Resp: 82942

Ion Ratio Lower Upper

43 100

58 21.4 24.6 73.8#

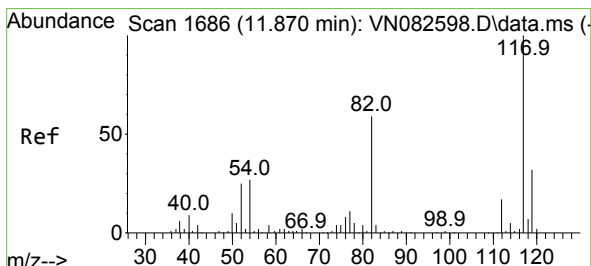
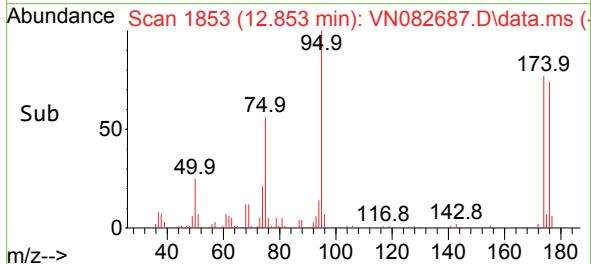
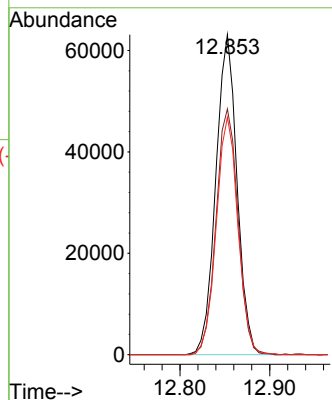
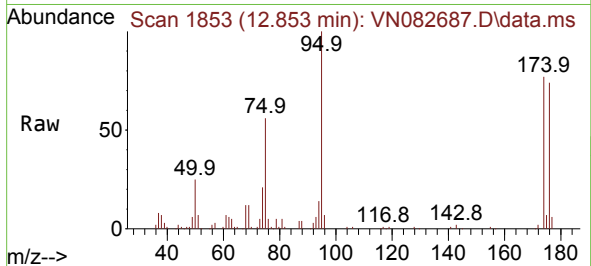




#62
4-Bromofluorobenzene
Concen: 45.297 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

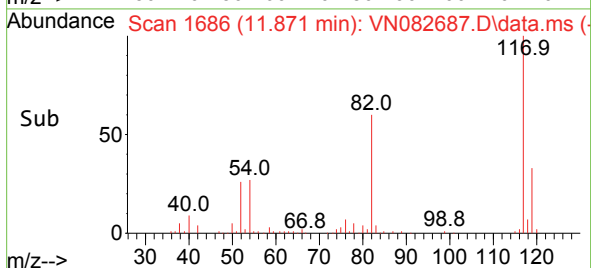
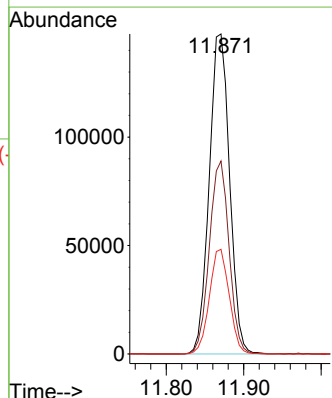
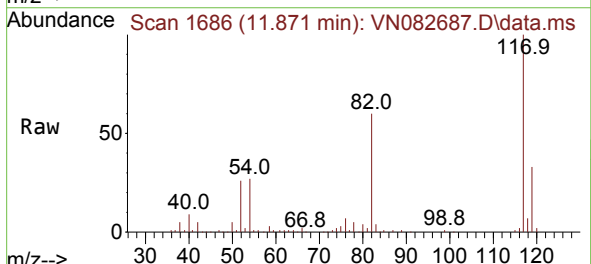
Instrument :
MSVOA_N
ClientSampleId :

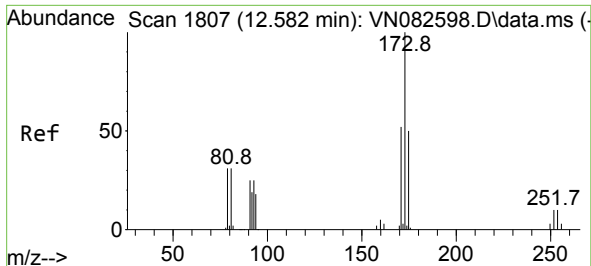
Tgt Ion: 95 Resp: 103534
Ion Ratio Lower Upper
95 100
174 79.5 0.0 159.2
176 75.8 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

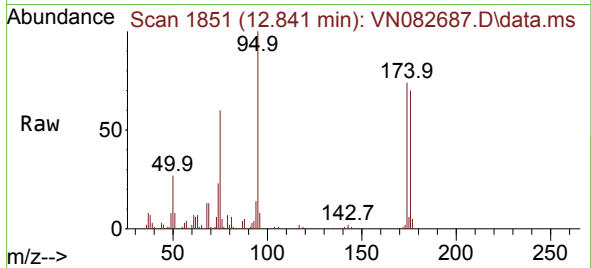
Tgt Ion: 117 Resp: 269685
Ion Ratio Lower Upper
117 100
82 60.3 47.5 71.3
119 32.7 25.6 38.4



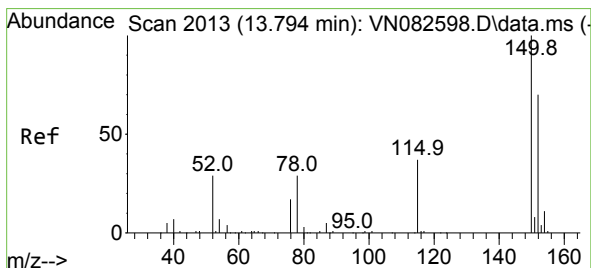
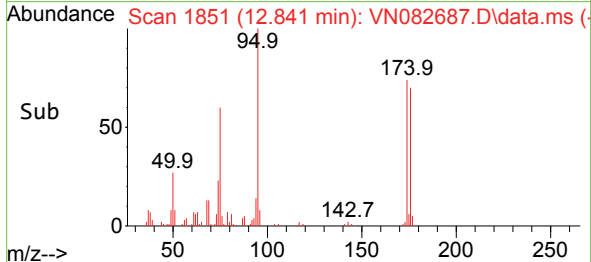
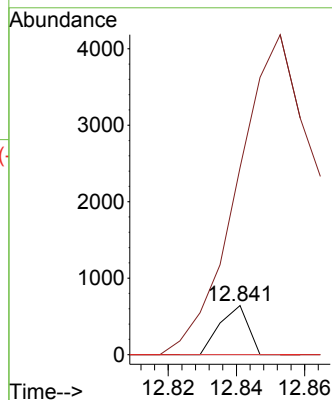


#71
Bromoform
Concen: 0.213 ug/l
RT: 12.841 min Scan# 1807
Delta R.T. 0.259 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Instrument :
MSVOA_N
ClientSampleId :

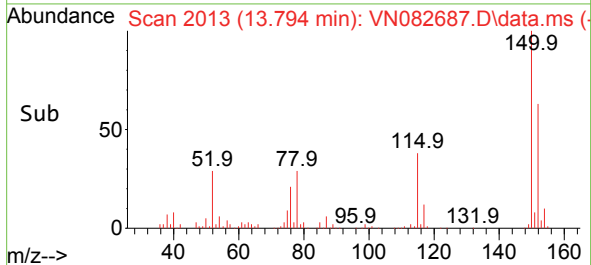
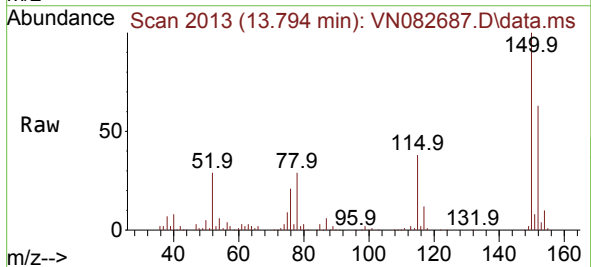
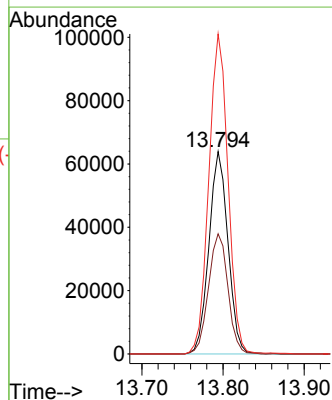


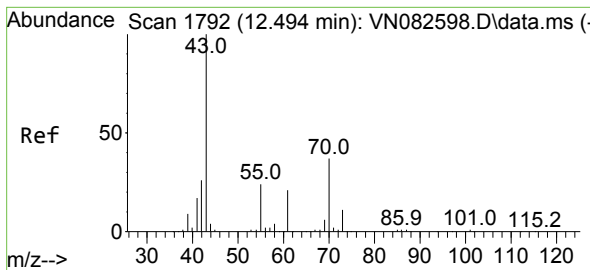
Tgt Ion:173 Resp: 372
Ion Ratio Lower Upper
173 100
175 1446.8 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082687.D
Acq: 21 Jun 2024 19:00

Tgt Ion:152 Resp: 104091
Ion Ratio Lower Upper
152 100
115 60.6 30.6 91.6
150 159.8 0.0 348.6





#74

N-amy1 acetate

Concen: 0.409 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

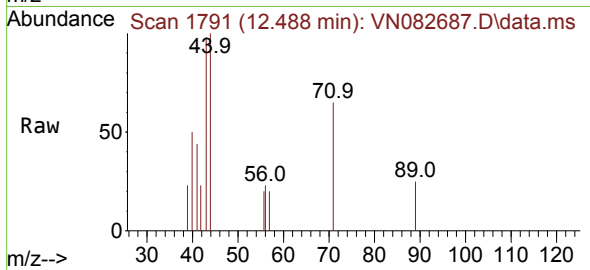
Lab File: VN082687.D

Acq: 21 Jun 2024 19:00

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1726

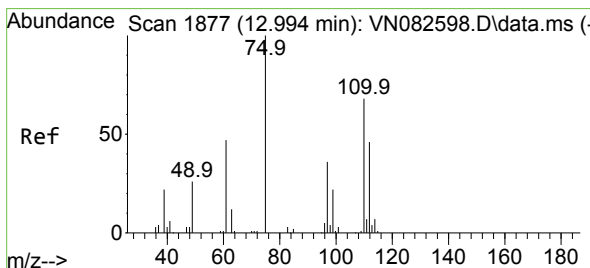
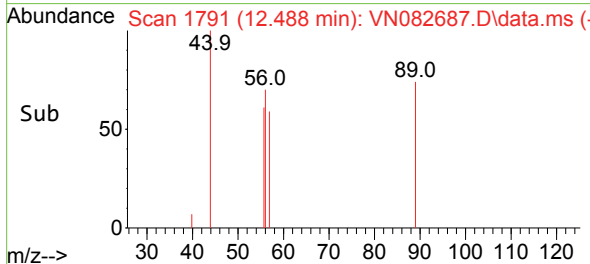
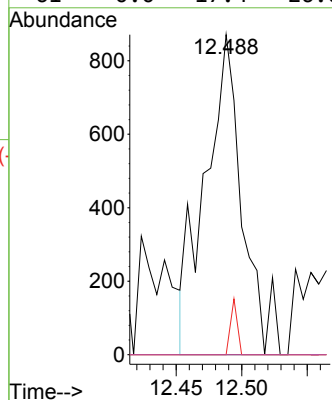
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.6#

55 3.1 18.7 28.1#

61 0.0 17.4 26.0#



#76

1,2,3-Trichloropropane

Concen: 23.718 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082687.D

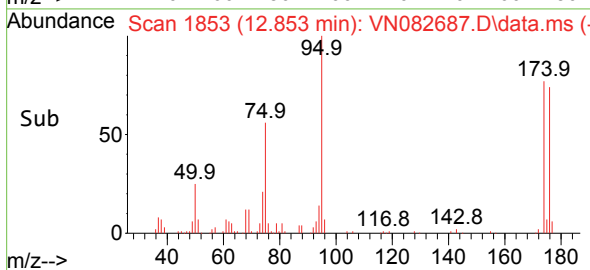
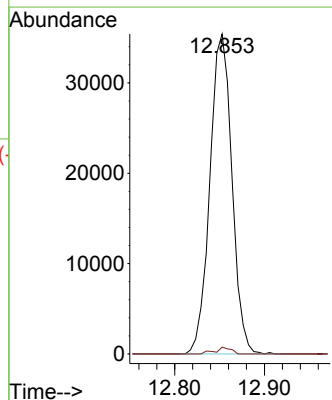
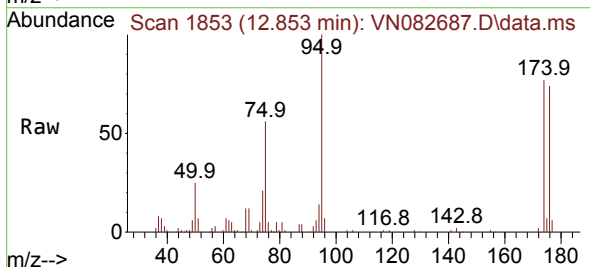
Acq: 21 Jun 2024 19:00

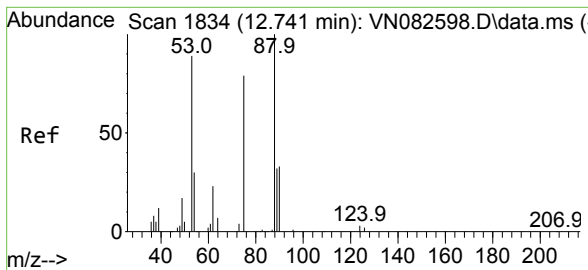
Tgt Ion: 75 Resp: 60385

Ion Ratio Lower Upper

75 100

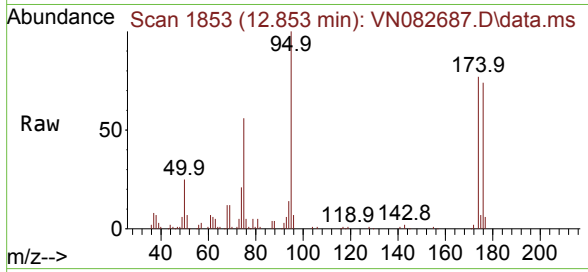
77 1.5 110.9 332.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.745 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082687.D
 Acq: 21 Jun 2024 19:00

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	60385
Ion	Ratio	Lower	Upper
75	100		
53	0.2	88.4	132.6#
89	0.0	36.3	54.5#

