

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082069.D
 Acq On : 10 May 2024 14:58
 Operator : JC\MD
 Sample : PB160834ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:22:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

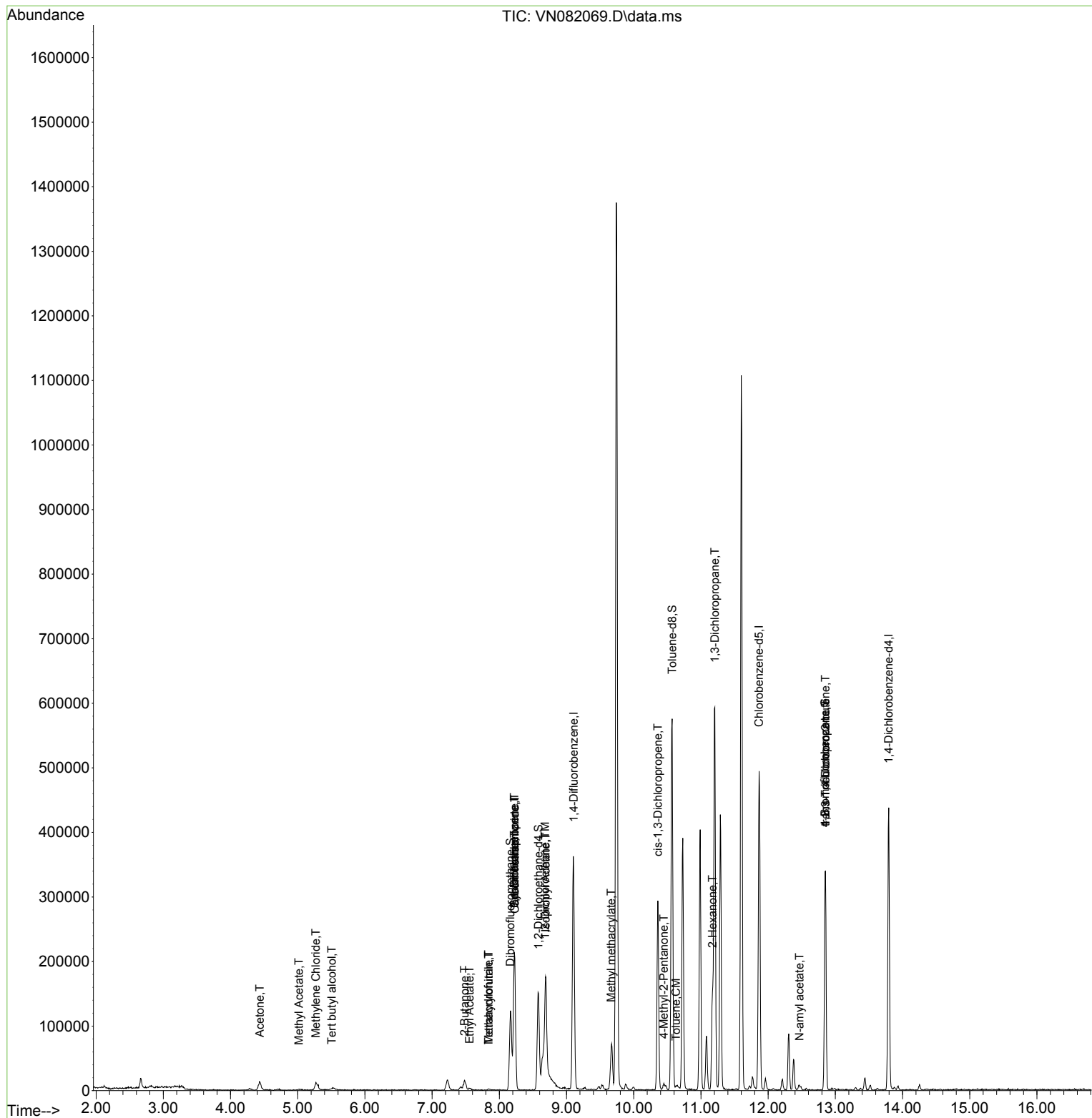
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	137336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	291062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	267421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	119900	51.729	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.460%	
35) Dibromofluoromethane	8.165	113	88563	50.537	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.080%	
50) Toluene-d8	10.571	98	376791	54.745	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.500%	
62) 4-Bromofluorobenzene	12.847	95	122809	45.138	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 90.280%	
Target Compounds						Qvalue
5) Bromomethane	2.977	94	546	Below Cal	#	61
11) Tert butyl alcohol	5.506	59	2964	7.034	ug/l #	71
13) Acrolein	4.171	56	91	Below Cal	#	15
16) Acetone	4.436	43	23568	29.564	ug/l	90
18) Methyl Acetate	5.018	43	1310	0.558	ug/l	99
20) Methylene Chloride	5.271	84	4910	2.472	ug/l #	73
25) 2-Butanone	7.483	43	24789	18.843	ug/l #	82
29) Tetrahydrofuran	7.842	42	1037	1.099	ug/l #	46
31) Cyclohexane	8.224	56	4705	1.347	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14698	5.155	ug/l #	45
37) Ethyl Acetate	7.559	43	3259	1.057	ug/l #	81
38) Carbon Tetrachloride	8.230	117	15936	5.719	ug/l #	16
41) Methacrylonitrile	7.842	41	723	0.368	ug/l #	35
42) 1,2-Dichloroethane	8.683	62	1082	0.340	ug/l #	73
43) Isopropyl Acetate	8.689	43	276670	47.734	ug/l #	73
48) Methyl methacrylate	9.665	41	6584	2.380	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	11637	3.567	ug/l #	65
52) Toluene	10.630	92	2132	0.416	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	52897	14.447	ug/l #	67
57) 1,3-Dichloropropane	11.206	76	6102	1.703	ug/l #	42
59) 2-Hexanone	11.171	43	130241	53.636	ug/l #	23
74) N-amyl acetate	12.465	43	6794	1.410	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	72700	28.805	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	72700	59.025	ug/l #	12

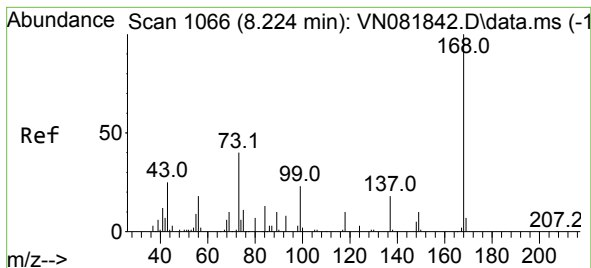
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 11

Delta R.T. -0.000 min

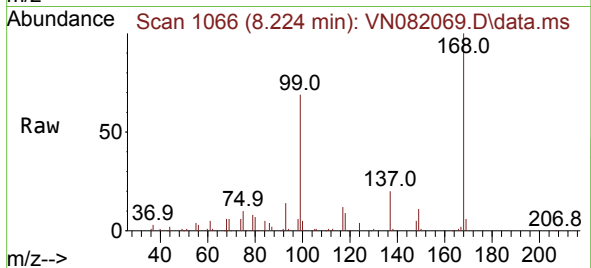
Lab File: VN082069.D

Acq: 10 May 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :

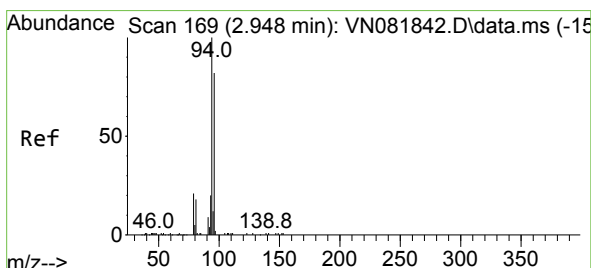
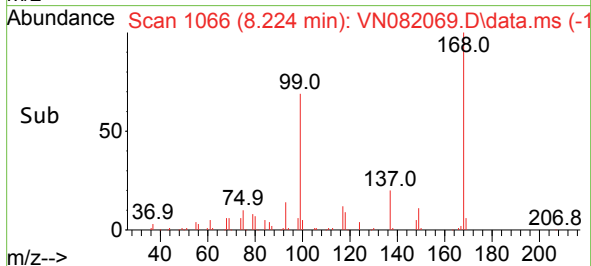
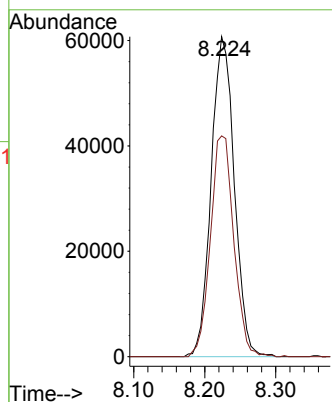


Tgt Ion:168 Resp: 137336

Ion Ratio Lower Upper

168 100

99 69.0 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.977 min Scan# 174

Delta R.T. 0.029 min

Lab File: VN082069.D

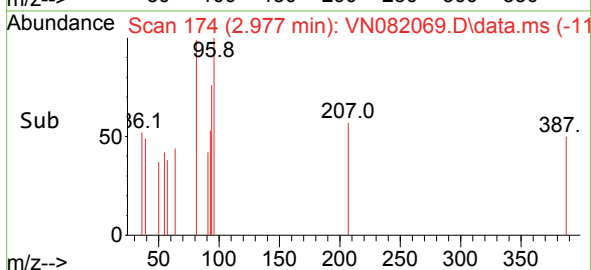
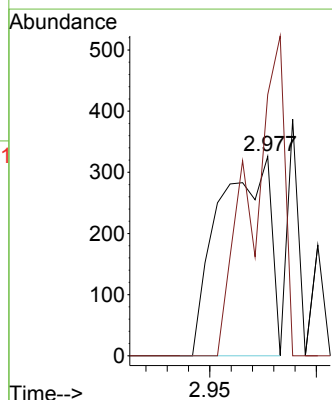
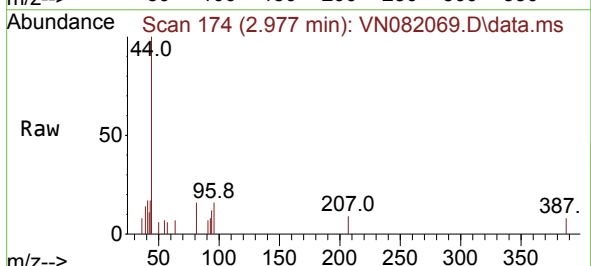
Acq: 10 May 2024 14:58

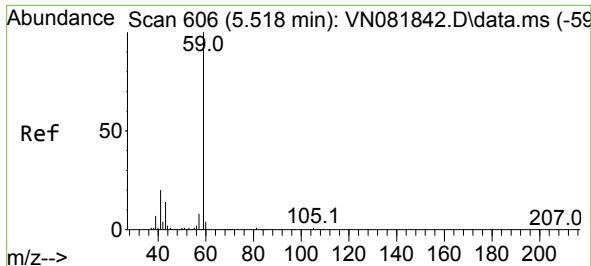
Tgt Ion: 94 Resp: 546

Ion Ratio Lower Upper

94 100

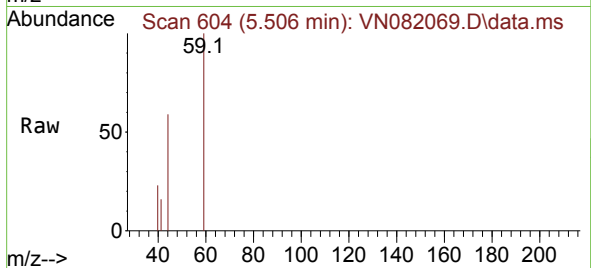
96 131.0 74.8 112.2#



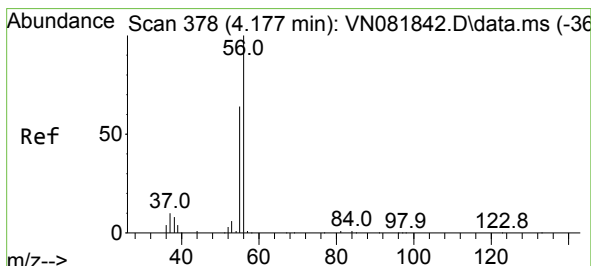
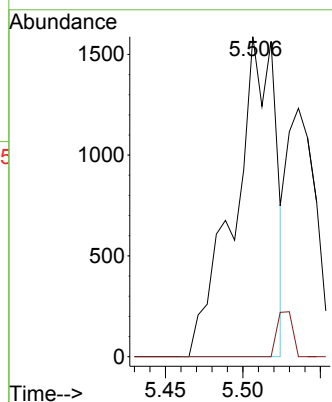
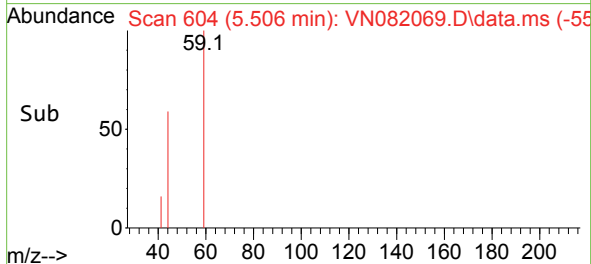


#11
Tert butyl alcohol
Concen: 7.034 ug/l
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

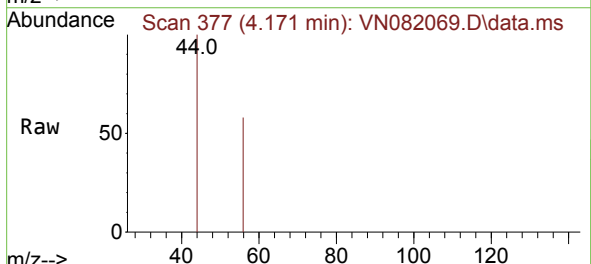
Instrument :
MSVOA_N
ClientSampleId :



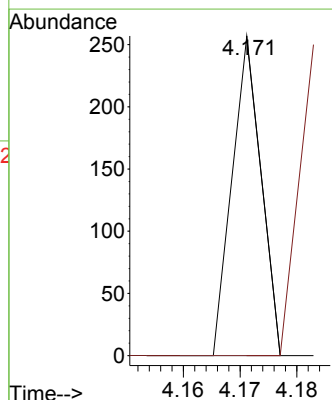
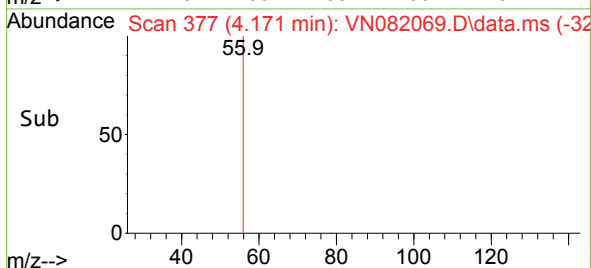
Tgt Ion: 59 Resp: 2964
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

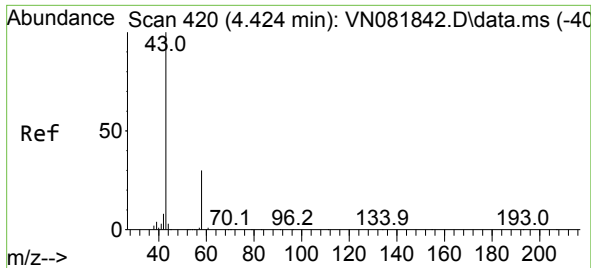


#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58



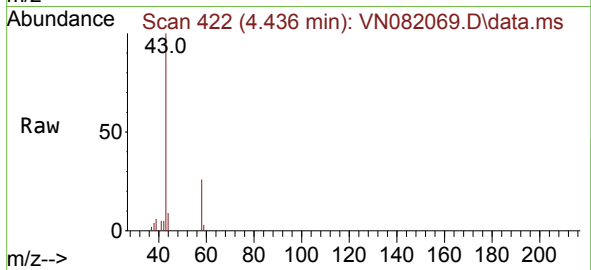
Tgt Ion: 56 Resp: 91
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



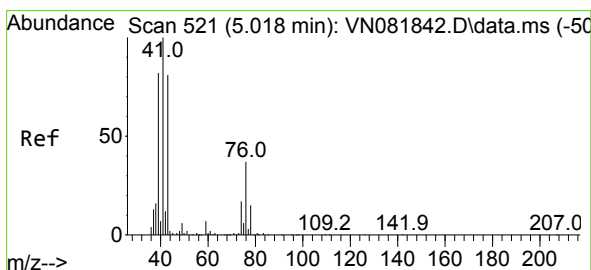
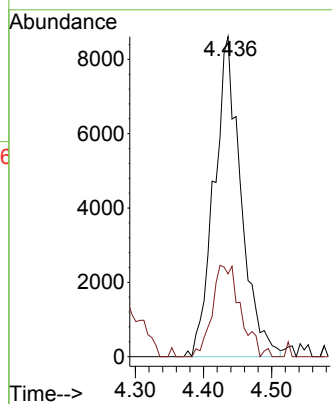
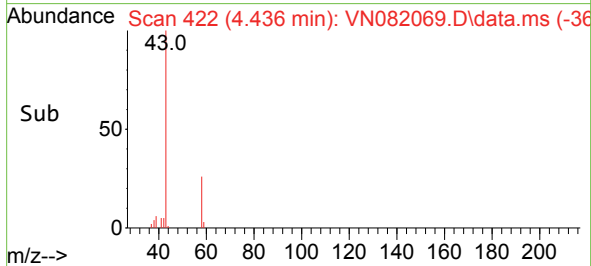


#16
Acetone
Concen: 29.564 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

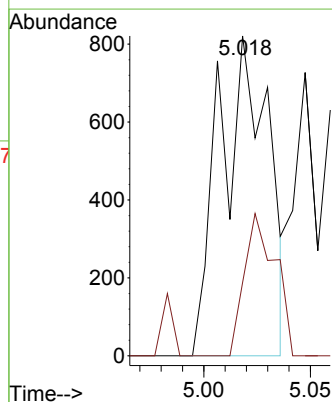
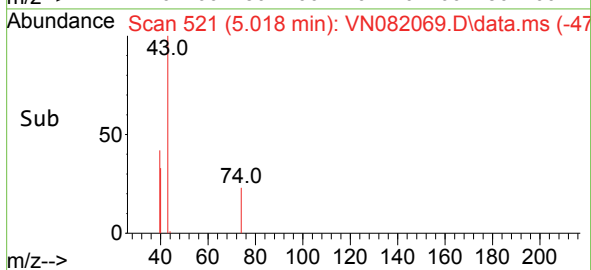
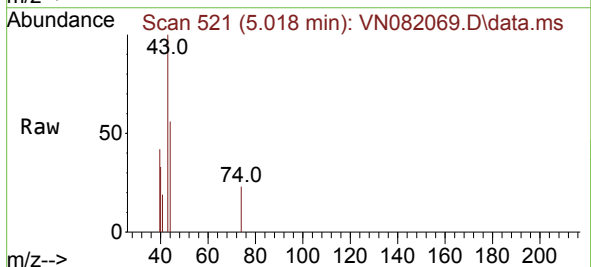


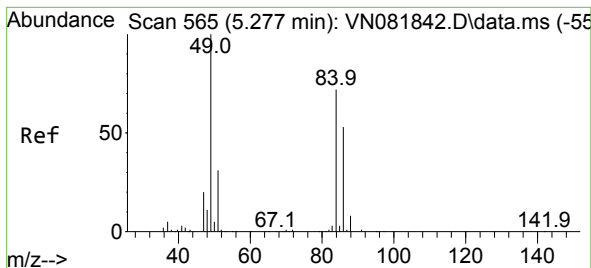
Tgt Ion: 43 Resp: 23568
Ion Ratio Lower Upper
43 100
58 25.9 25.2 37.8



#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

Tgt Ion: 43 Resp: 1310
Ion Ratio Lower Upper
43 100
74 28.2 22.2 33.2





#20

Methylene Chloride

Concen: 2.472 ug/l

RT: 5.271 min Scan# 5

Delta R.T. -0.006 min

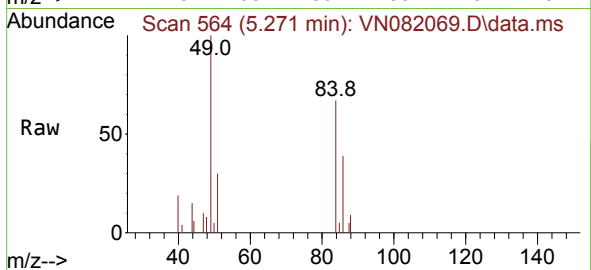
Lab File: VN082069.D

Acq: 10 May 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 4910

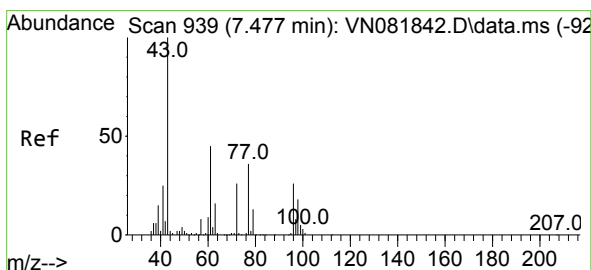
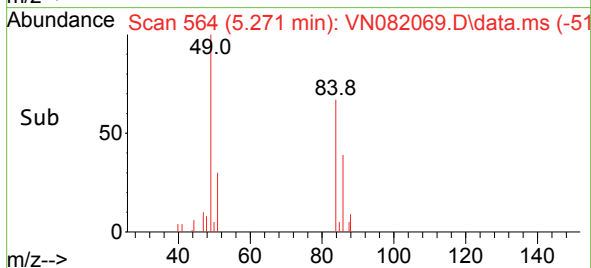
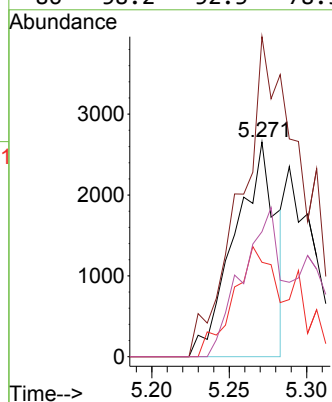
Ion Ratio Lower Upper

84 100

49 149.0 84.9 127.3#

51 44.0 27.0 40.6#

86 58.2 52.3 78.5



#25

2-Butanone

Concen: 18.843 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN082069.D

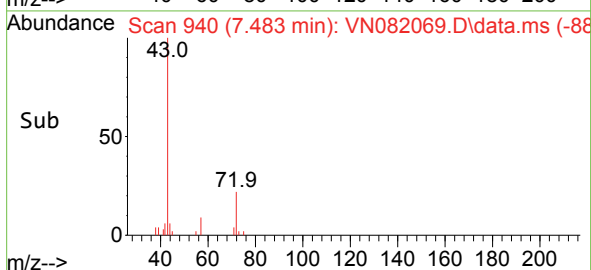
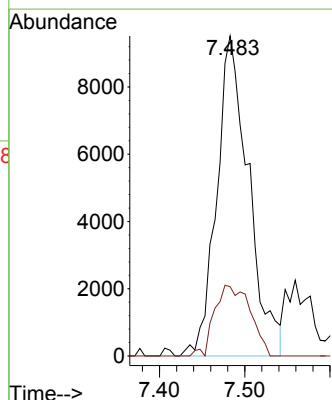
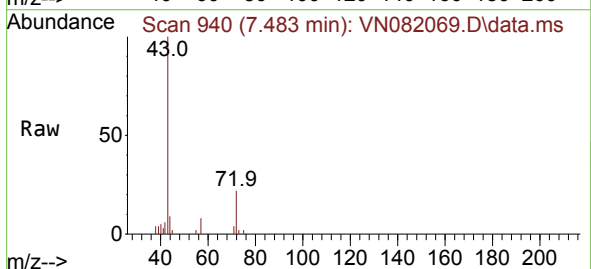
Acq: 10 May 2024 14:58

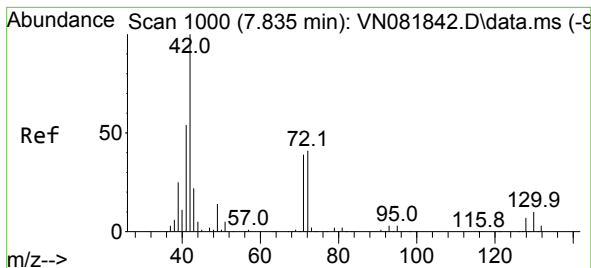
Tgt Ion: 43 Resp: 24789

Ion Ratio Lower Upper

43 100

72 21.7 25.3 37.9#





#29

Tetrahydrofuran

Concen: 1.099 ug/l

RT: 7.842 min Scan# 1037

Delta R.T. 0.006 min

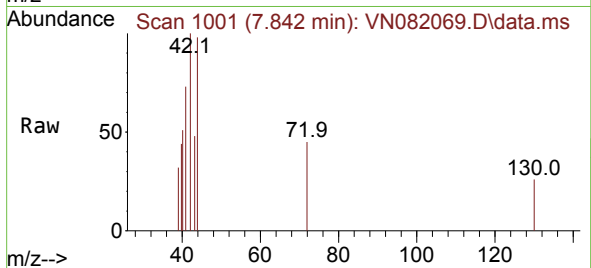
Lab File: VN082069.D

Acq: 10 May 2024 14:58

Instrument :

MSVOA_N

ClientSampleId :



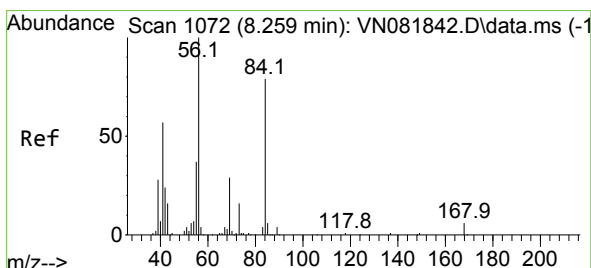
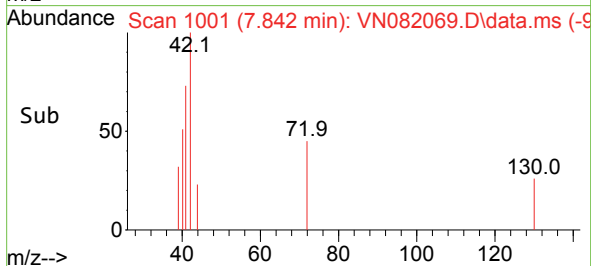
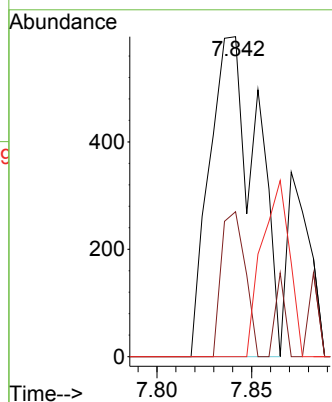
Tgt Ion: 42 Resp: 1037

Ion Ratio Lower Upper

42 100

72 23.0 39.3 58.9#

71 0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.347 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

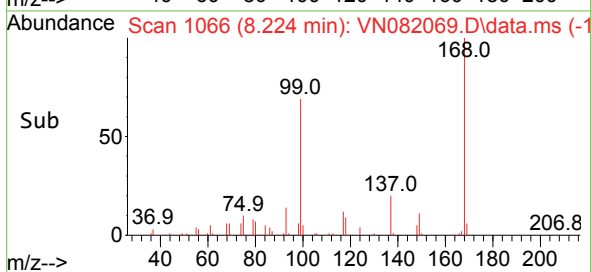
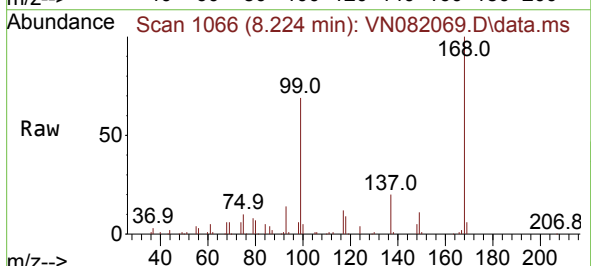
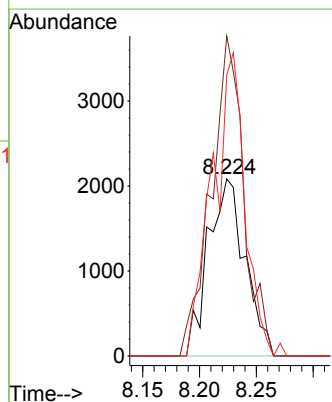
Tgt Ion: 56 Resp: 4705

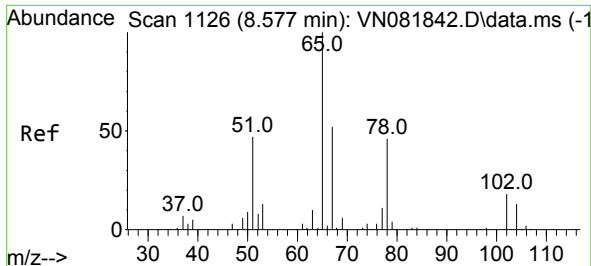
Ion Ratio Lower Upper

56 100

69 188.3 24.4 36.6#

84 158.7 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 51.729 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

Instrument :

MSVOA_N

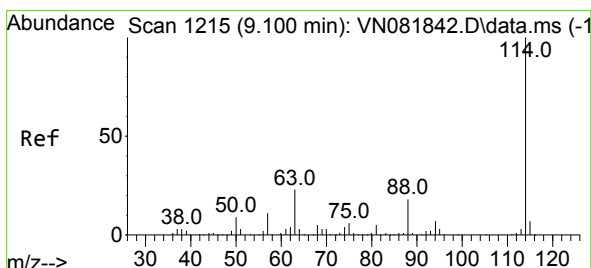
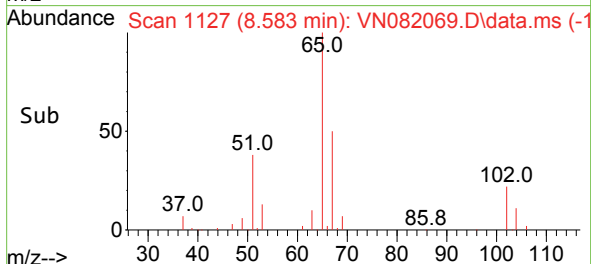
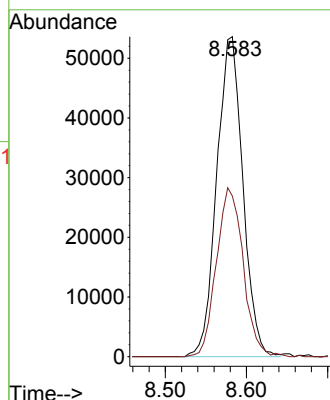
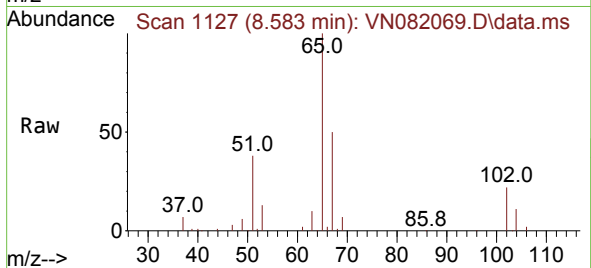
ClientSampleId :

Tgt Ion: 65 Resp: 119900

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

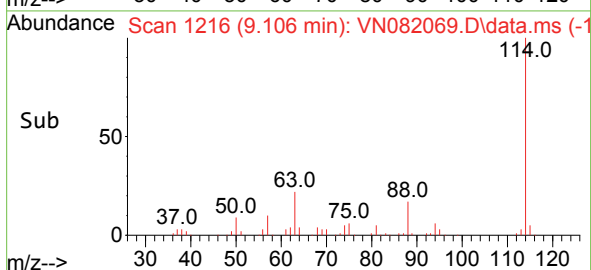
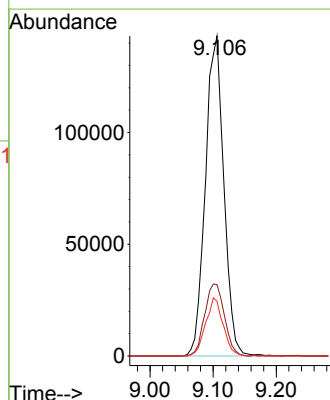
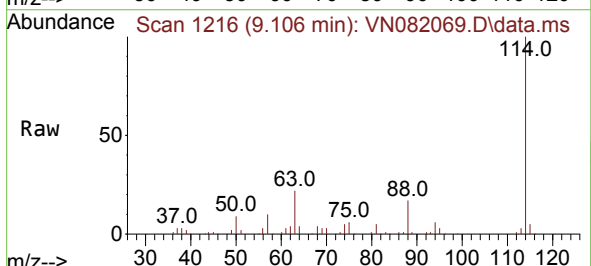
Tgt Ion: 114 Resp: 291062

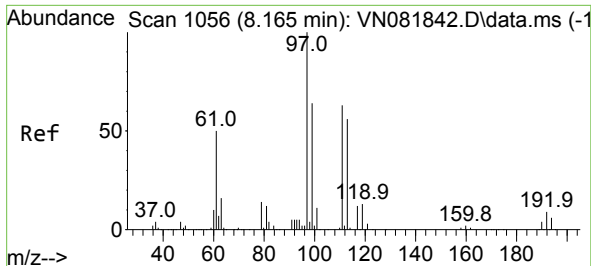
Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.0

88 17.1 0.0 31.4

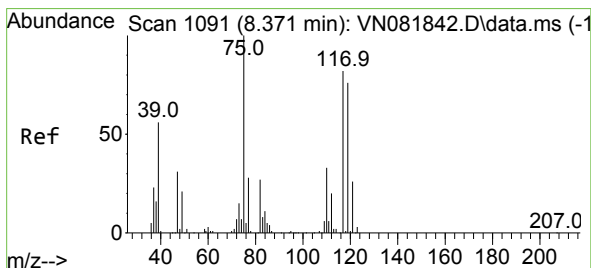
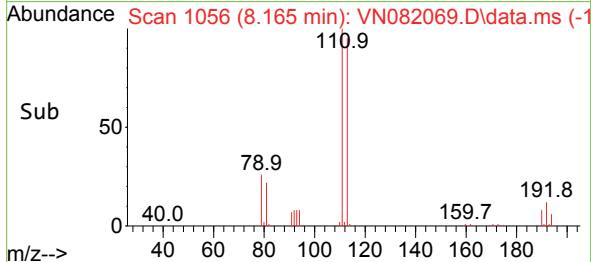
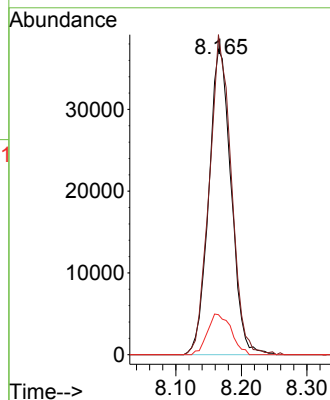
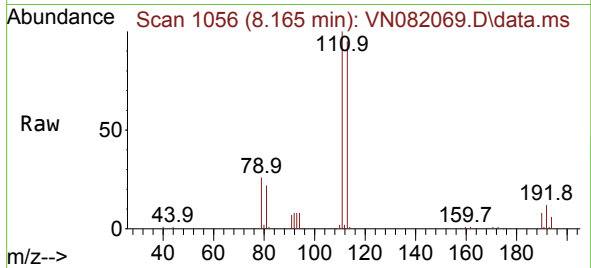




#35
Dibromofluoromethane
Concen: 50.537 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

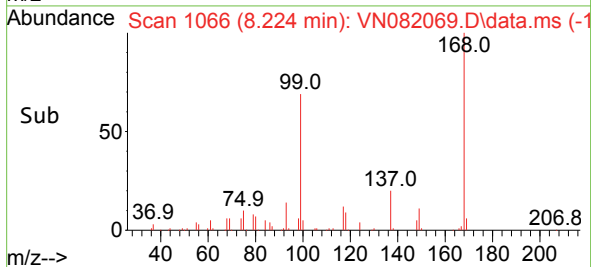
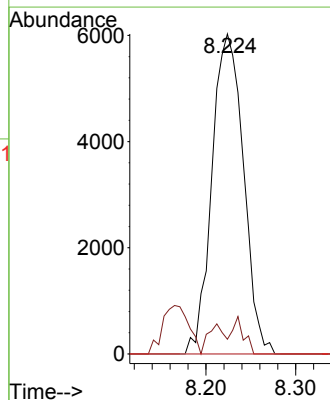
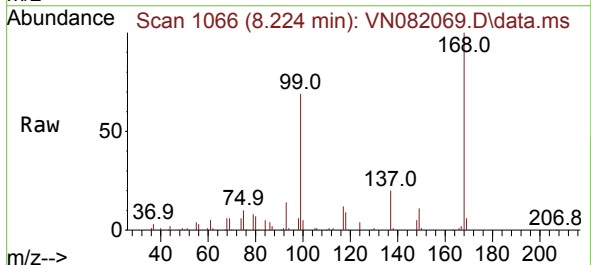
Instrument :
MSVOA_N
ClientSampleId :

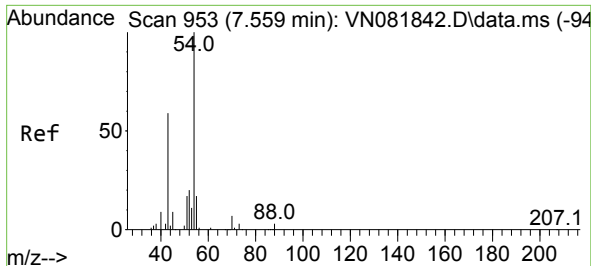
Tgt Ion:113 Resp: 88563
Ion Ratio Lower Upper
113 100
111 103.2 83.4 125.2
192 14.1 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.155 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

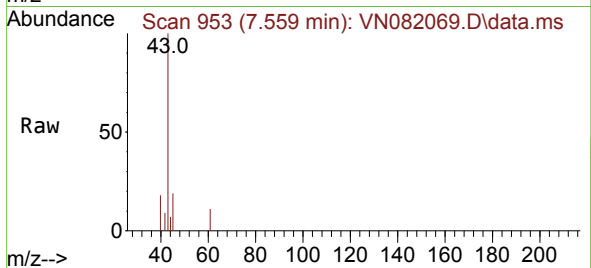
Tgt Ion: 75 Resp: 14698
Ion Ratio Lower Upper
75 100
110 4.2 17.8 53.5#
77 0.0 25.0 37.4#



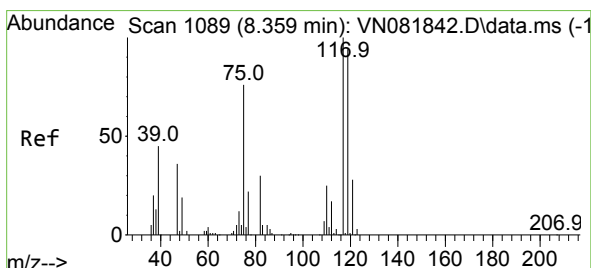
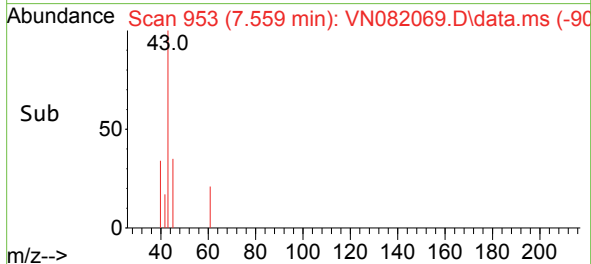
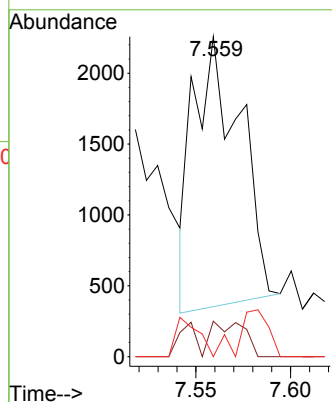


#37
Ethyl Acetate
Concen: 1.057 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

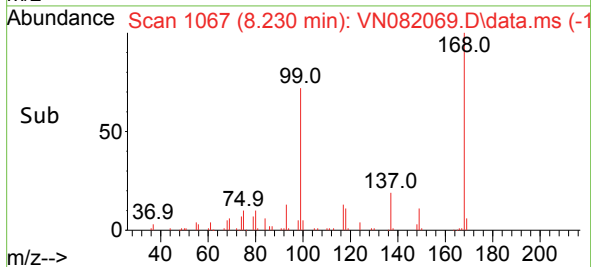
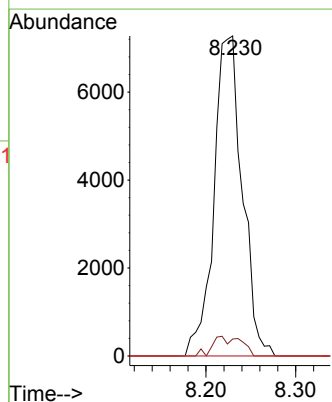
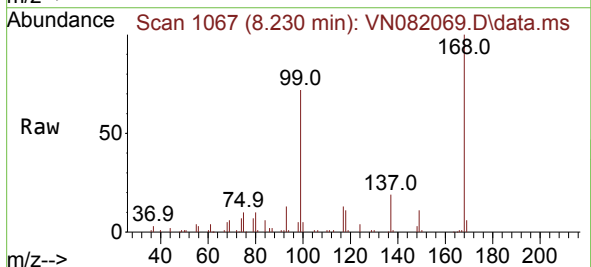


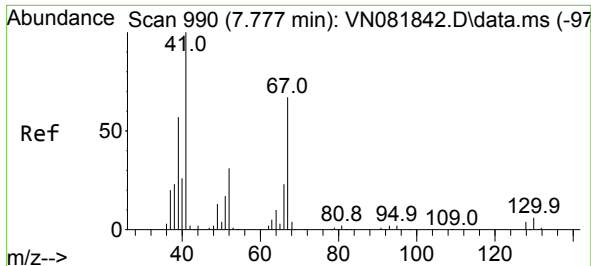
Tgt Ion: 43 Resp: 3259
Ion Ratio Lower Upper
43 100
61 9.3 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.719 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

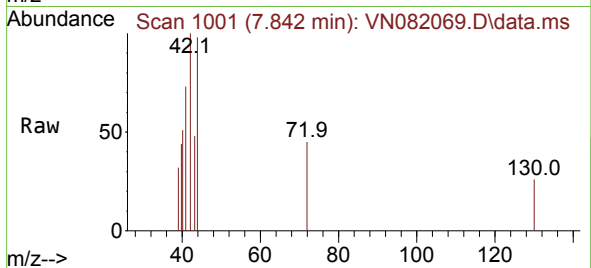
Tgt Ion: 117 Resp: 15936
Ion Ratio Lower Upper
117 100
119 5.3 76.5 114.7#
121 0.0 23.9 35.9#



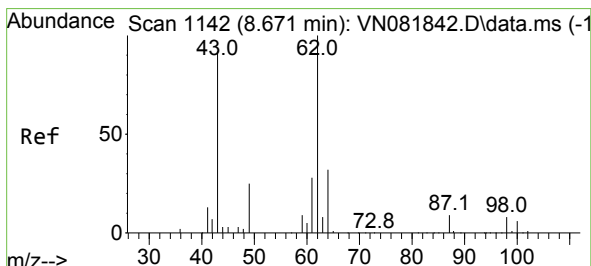
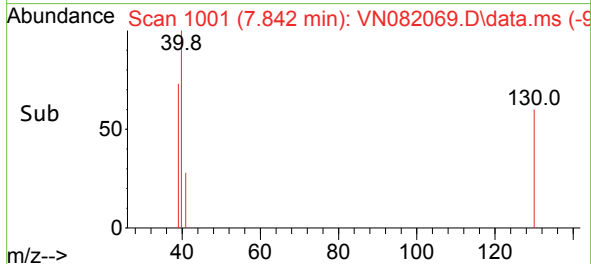
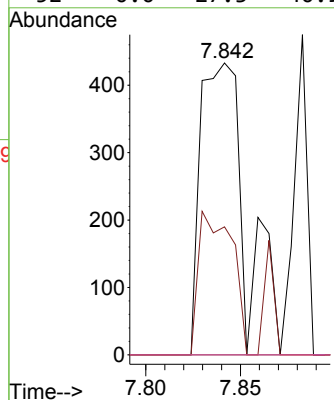


#41
Methacrylonitrile
Concen: 0.368 ug/l
RT: 7.842 min Scan# 1100
Delta R.T. 0.065 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

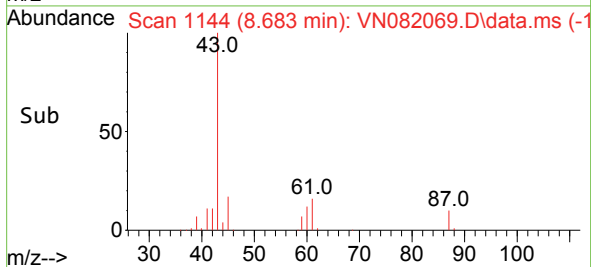
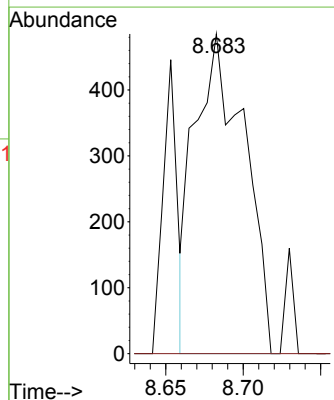
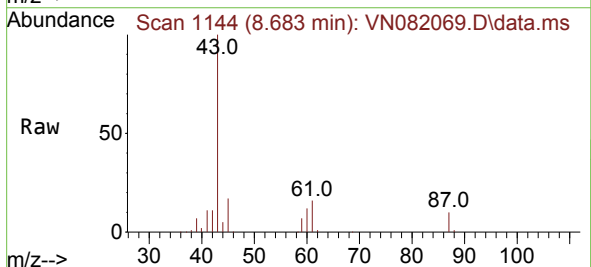


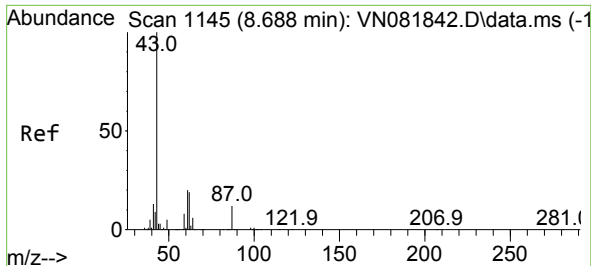
Tgt Ion: 41 Resp: 723
Ion Ratio Lower Upper
41 100
39 36.5 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.340 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

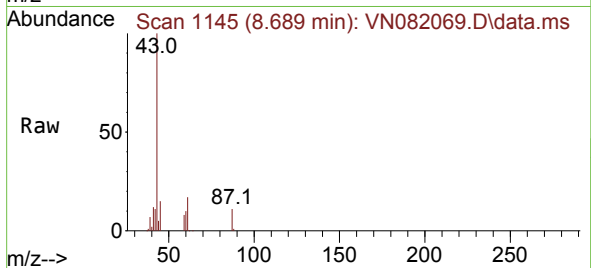
Tgt Ion: 62 Resp: 1082
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



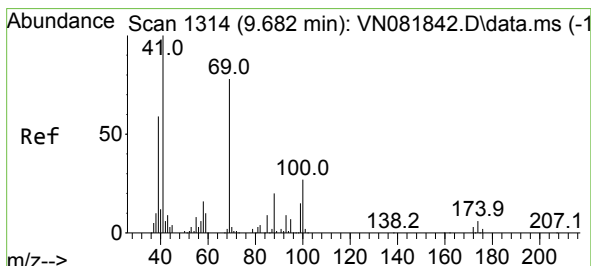
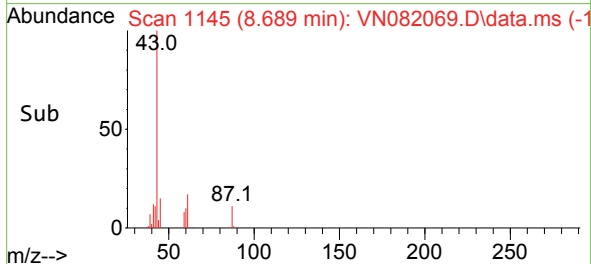
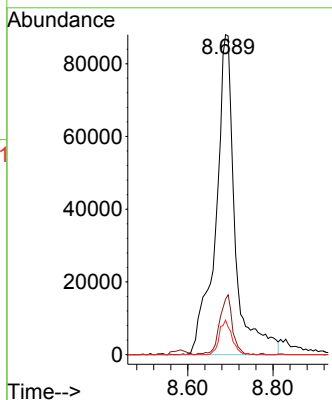


#43
Isopropyl Acetate
Concen: 47.734 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

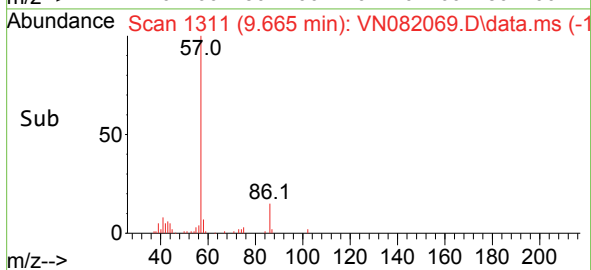
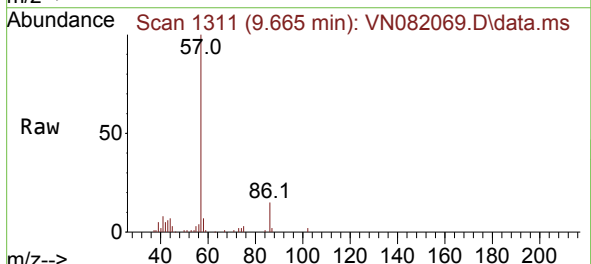
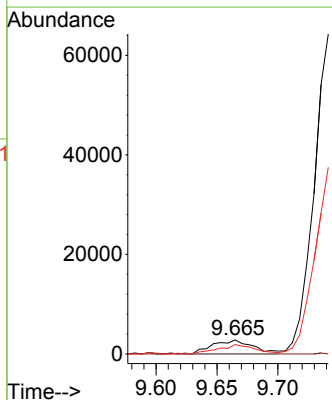


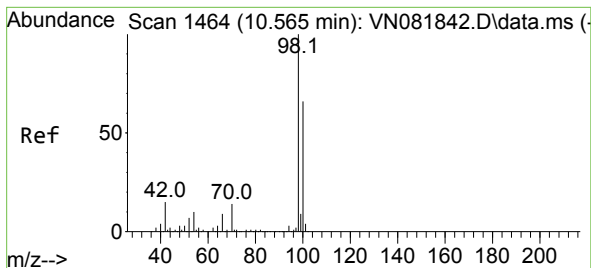
Tgt Ion: 43 Resp: 276670
Ion Ratio Lower Upper
43 100
61 12.4 22.8 34.2#
87 7.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 2.380 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.017 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

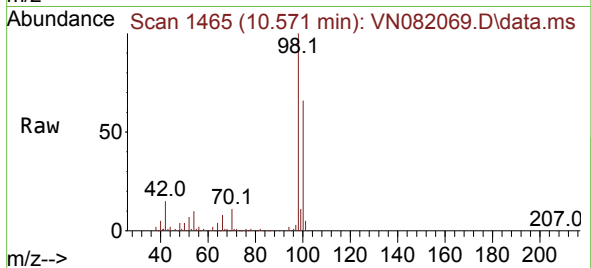
Tgt Ion: 41 Resp: 6584
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 60.3 50.9 76.3



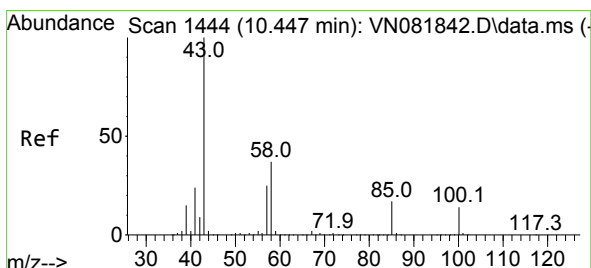
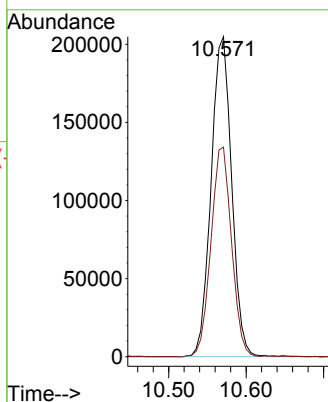
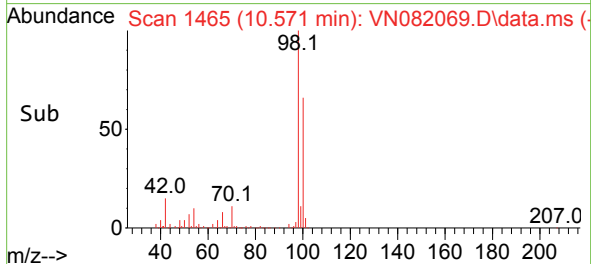


#50
Toluene-d8
Concen: 54.745 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

Instrument :
MSVOA_N
ClientSampleId :

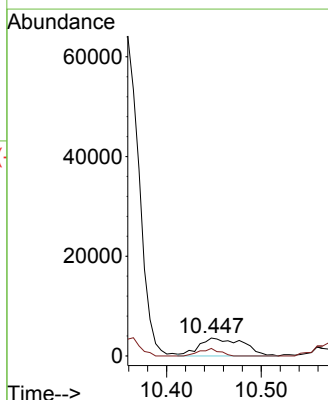
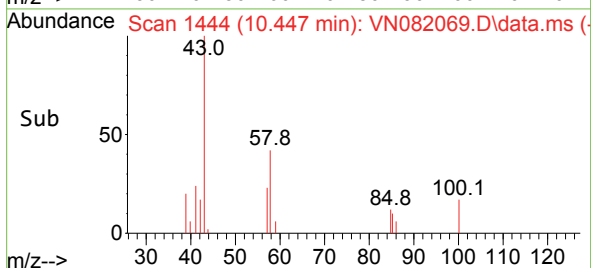
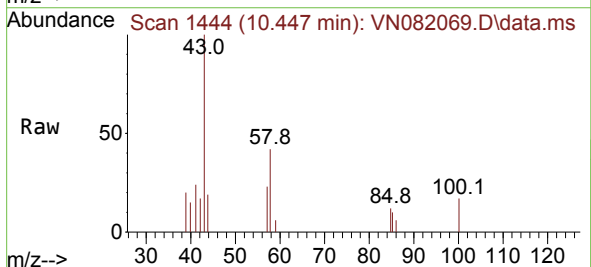


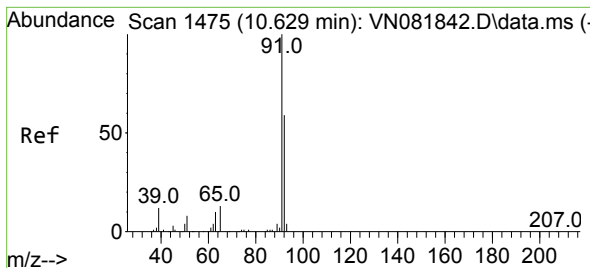
Tgt Ion: 98 Resp: 376791
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.567 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

Tgt Ion: 43 Resp: 11637
Ion Ratio Lower Upper
43 100
58 19.3 33.2 49.8#





#52

Toluene

Concen: 0.416 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

Instrument :

MSVOA_N

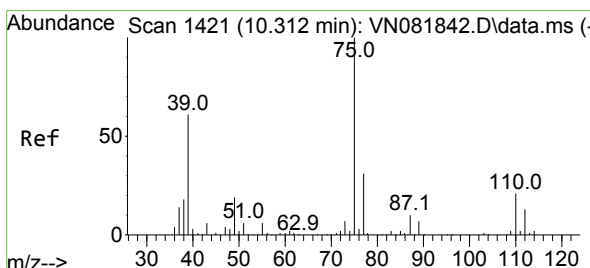
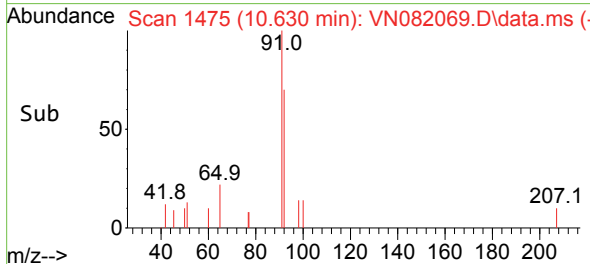
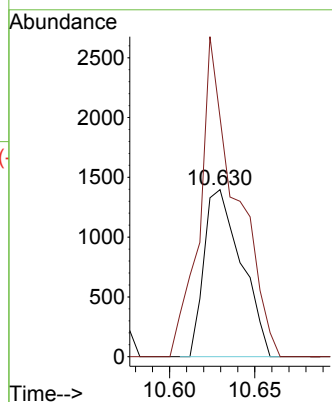
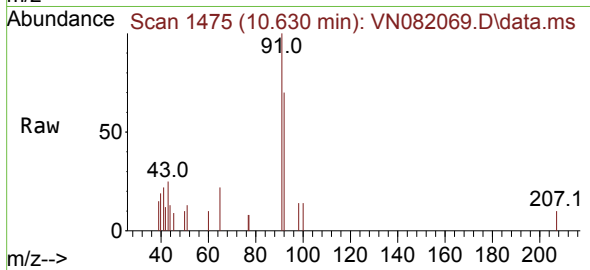
ClientSampleId :

Tgt Ion: 92 Resp: 2132

Ion Ratio Lower Upper

92 100

91 185.8 136.7 205.1



#54

cis-1,3-Dichloropropene

Concen: 14.447 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

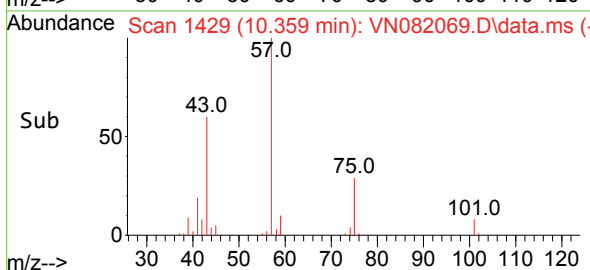
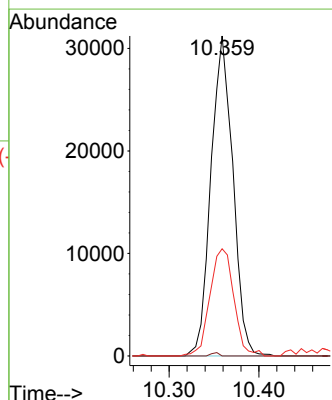
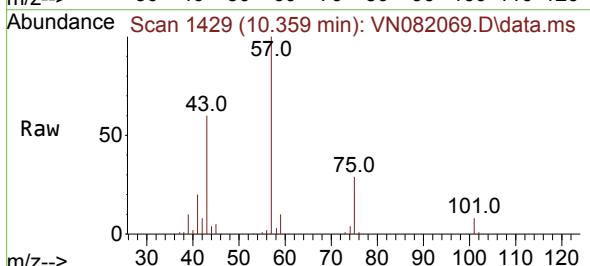
Tgt Ion: 75 Resp: 52897

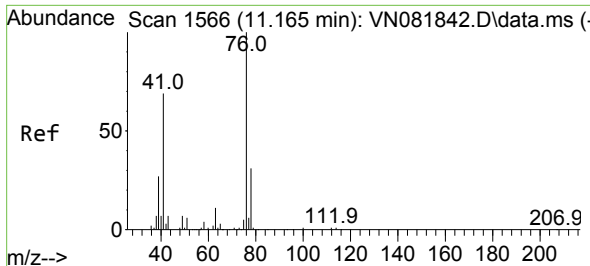
Ion Ratio Lower Upper

75 100

77 0.0 25.0 37.4#

39 33.5 34.8 52.2#





#57

1,3-Dichloropropane

Concen: 1.703 ug/l

RT: 11.206 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

Instrument :

MSVOA_N

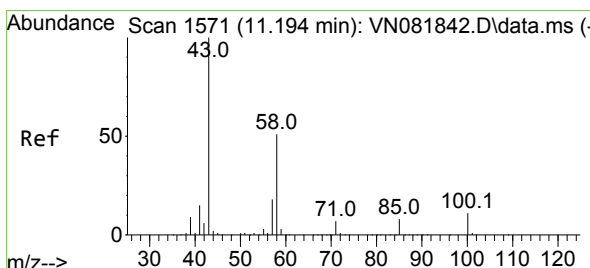
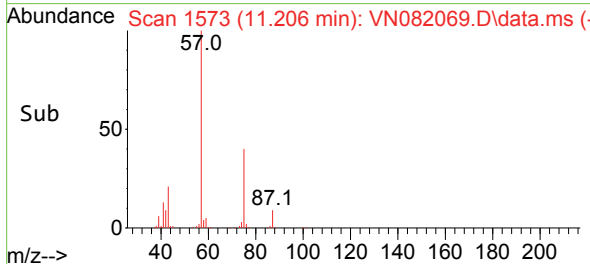
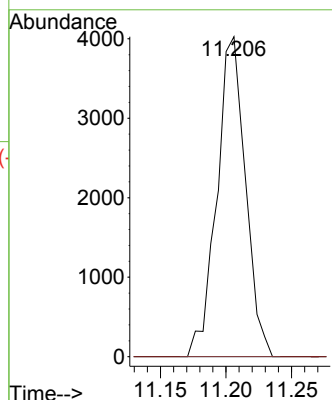
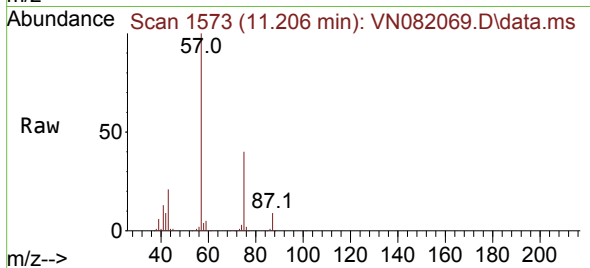
ClientSampleId :

Tgt Ion: 76 Resp: 6102

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 53.636 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN082069.D

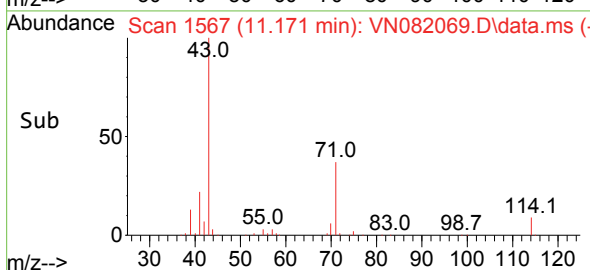
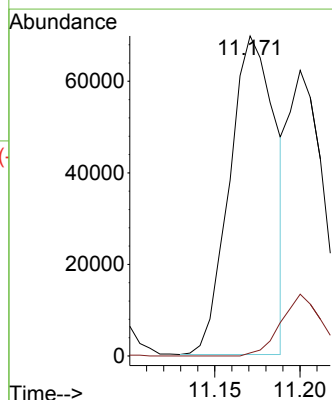
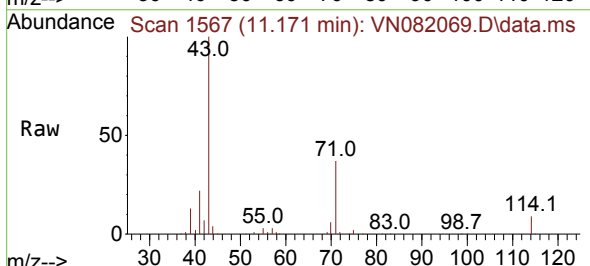
Acq: 10 May 2024 14:58

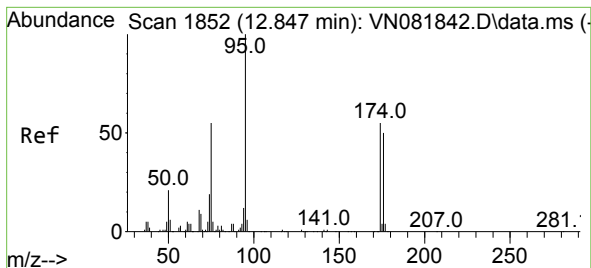
Tgt Ion: 43 Resp: 130241

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

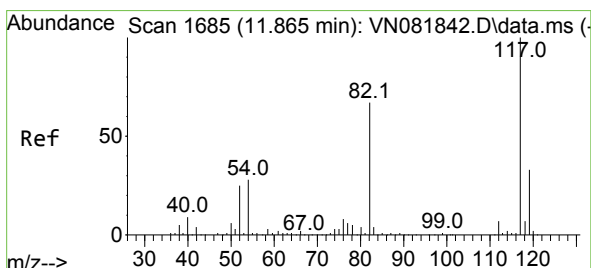
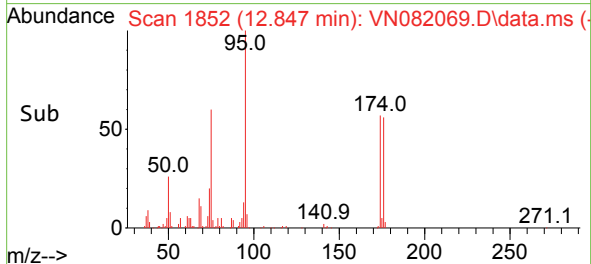
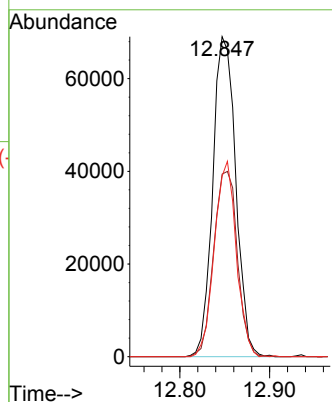
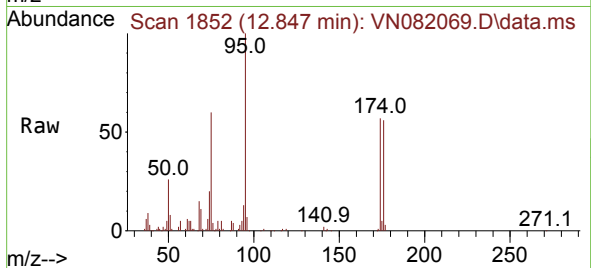




#62
4-Bromofluorobenzene
Concen: 45.138 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

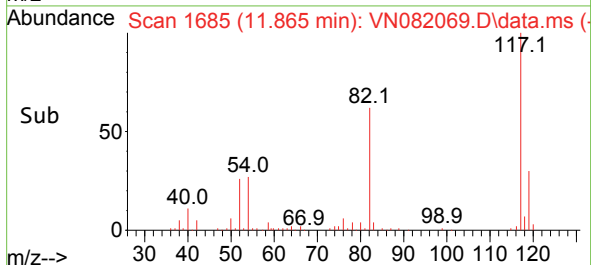
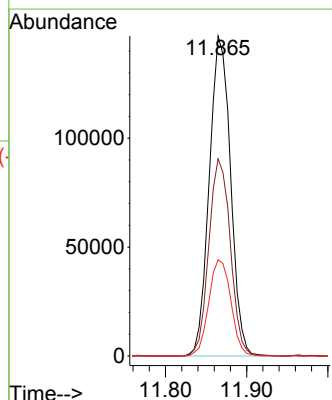
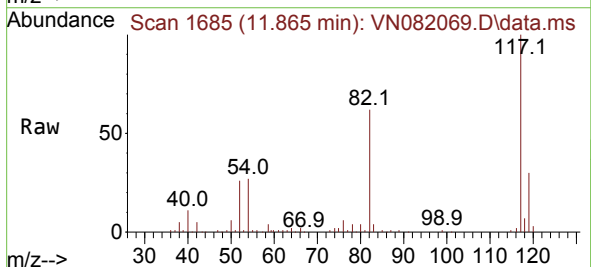
Instrument :
MSVOA_N
ClientSampleId :

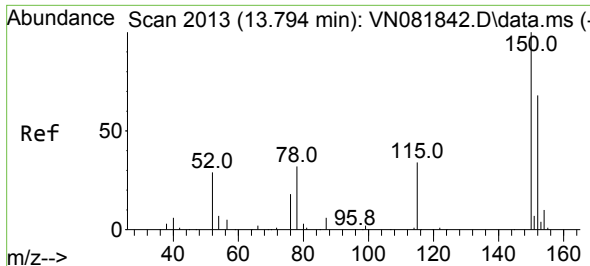
Tgt Ion: 95 Resp: 122809
Ion Ratio Lower Upper
95 100
174 59.8 0.0 160.6
176 58.4 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082069.D
Acq: 10 May 2024 14:58

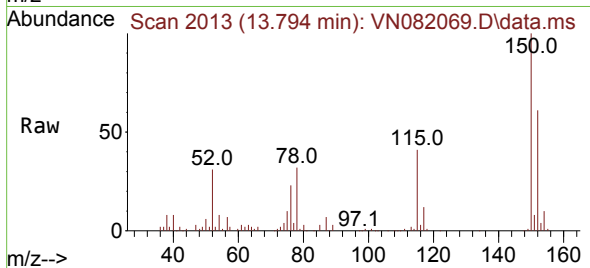
Tgt Ion: 117 Resp: 267421
Ion Ratio Lower Upper
117 100
82 61.6 44.6 66.8
119 30.1 25.9 38.9



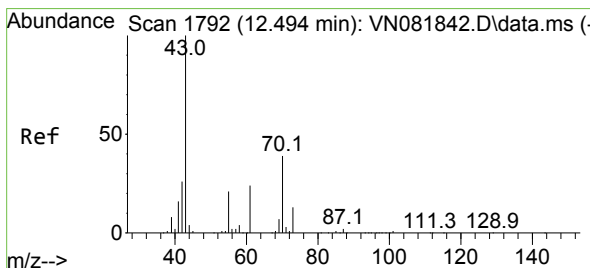
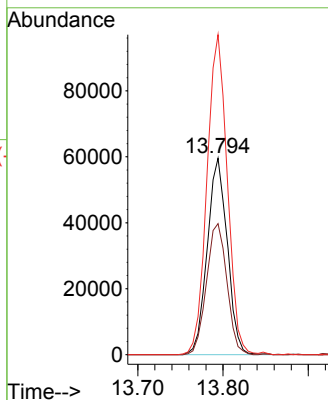
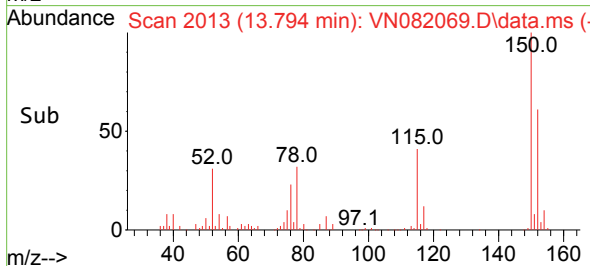


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082069.D
 Acq: 10 May 2024 14:58

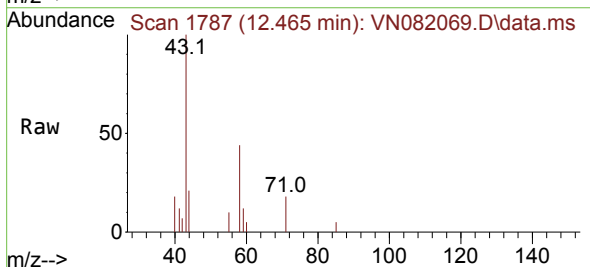
Instrument :
 MSVOA_N
 ClientSampleId :



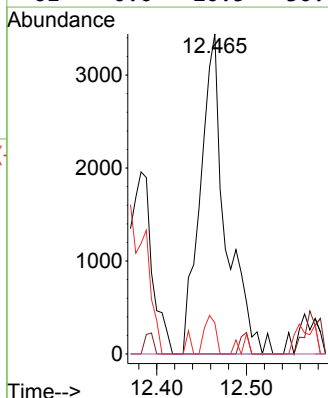
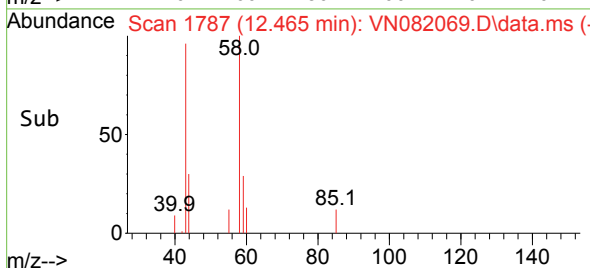
Tgt Ion:152 Resp: 97343
 Ion Ratio Lower Upper
 152 100
 115 68.0 30.4 91.3
 150 165.2 0.0 353.2

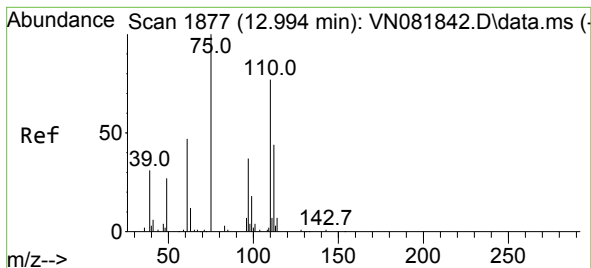


#74
 N-ethyl acetate
 Concen: 1.410 ug/l
 RT: 12.465 min Scan# 1787
 Delta R.T. -0.029 min
 Lab File: VN082069.D
 Acq: 10 May 2024 14:58



Tgt Ion: 43 Resp: 6794
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 5.3 21.3 31.9#
 61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 28.805 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

Instrument :

MSVOA_N

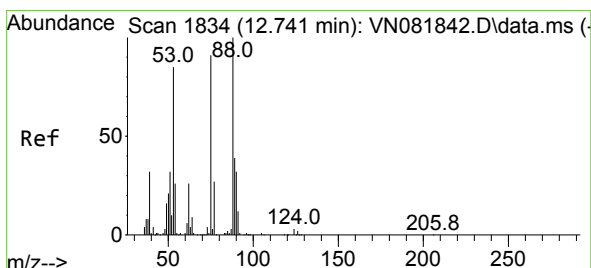
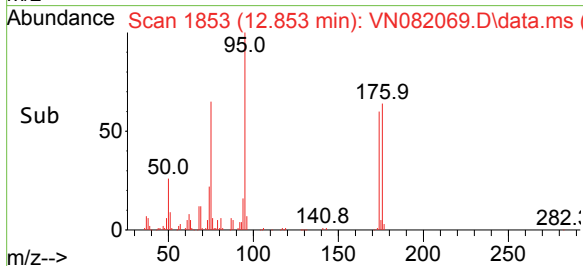
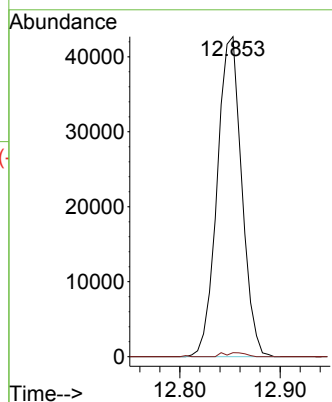
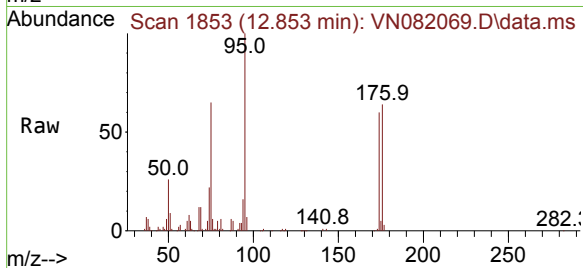
ClientSampleId :

Tgt Ion: 75 Resp: 72700

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.025 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN082069.D

Acq: 10 May 2024 14:58

Tgt Ion: 75 Resp: 72700

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

