

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082084.D
 Acq On : 10 May 2024 20:57
 Operator : JC\MD
 Sample : P2454-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:29:46 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)

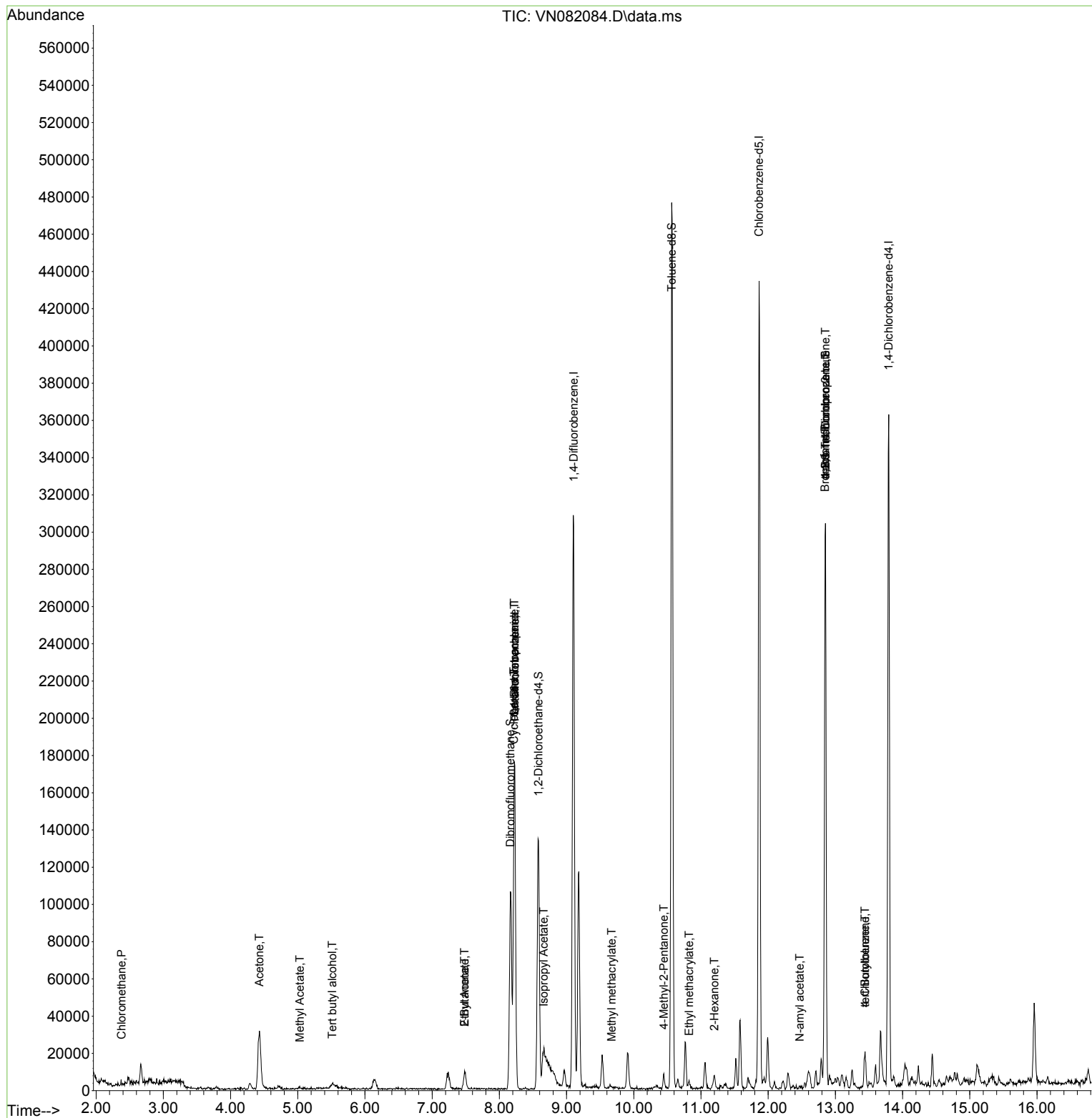
Internal Standards						
1) Pentafluorobenzene	8.230	168	113701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	105744	55.104	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.200%
35) Dibromofluoromethane	8.165	113	75424	50.136	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.280%
50) Toluene-d8	10.565	98	320803	54.296	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.600%
62) 4-Bromofluorobenzene	12.853	95	104402	44.700	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	89.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	377	0.226	ug/l #	43
5) Bromomethane	2.948	94	91	Below Cal	#	3
11) Tert butyl alcohol	5.512	59	5132	14.711	ug/l #	81
13) Acrolein	4.171	56	185	Below Cal	#	66
16) Acetone	4.430	43	60420	103.266	ug/l	95
18) Methyl Acetate	5.030	43	1170	0.602	ug/l #	47
25) 2-Butanone	7.483	43	15824	14.529	ug/l #	80
31) Cyclohexane	8.218	56	4090	1.415	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	13686	5.592	ug/l #	49
37) Ethyl Acetate	7.483	43	15824	5.980	ug/l #	68
38) Carbon Tetrachloride	8.224	117	13573	5.674	ug/l #	16
43) Isopropyl Acetate	8.659	43	49692	9.987	ug/l #	52
48) Methyl methacrylate	9.671	41	520	0.219	ug/l #	19
51) 4-Methyl-2-Pentanone	10.447	43	5346	1.909	ug/l #	83
56) Ethyl methacrylate	10.824	69	1903	0.578	ug/l #	43
59) 2-Hexanone	11.200	43	4166	1.999	ug/l	69
71) Bromoform	12.847	173	352	0.279	ug/l #	28
74) N-amyl acetate	12.471	43	1163	0.276	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	61577	27.850	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61577	57.068	ug/l #	12
82) 4-Chlorotoluene	13.441	91	4972	0.874	ug/l #	40
83) tert-Butylbenzene	13.441	119	7118	1.332	ug/l	95

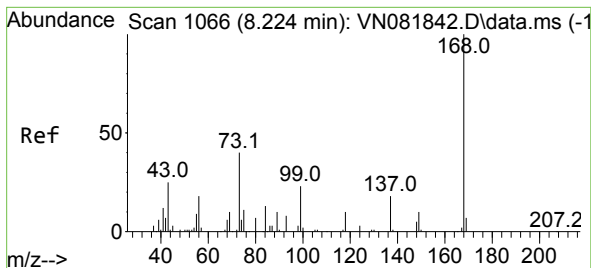
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082084.D

Acq: 10 May 2024 20:57

Instrument :

MSVOA_N

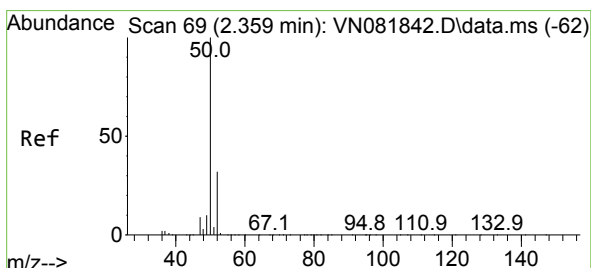
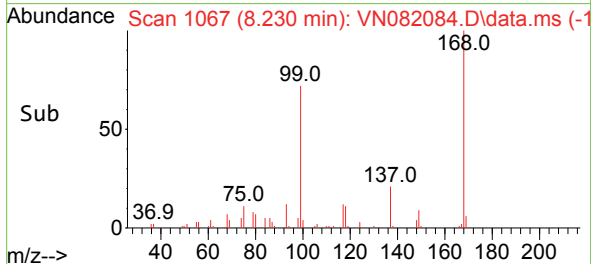
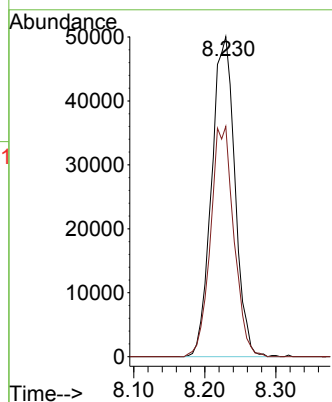
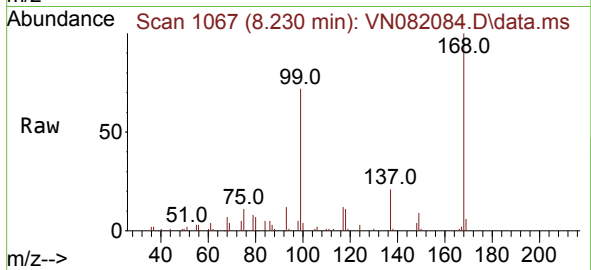
ClientSampleId :

Tgt Ion:168 Resp: 113701

Ion Ratio Lower Upper

168 100

99 71.9 48.2 72.4



#3

Chloromethane

Concen: 0.226 ug/l

RT: 2.377 min Scan# 72

Delta R.T. 0.018 min

Lab File: VN082084.D

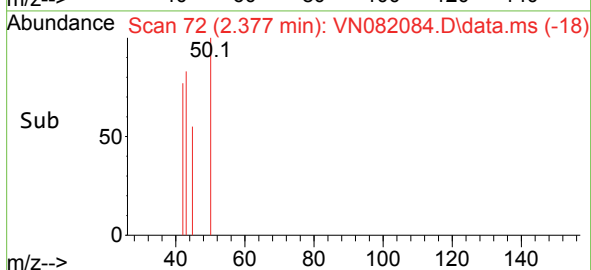
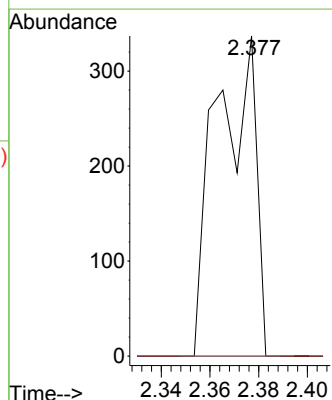
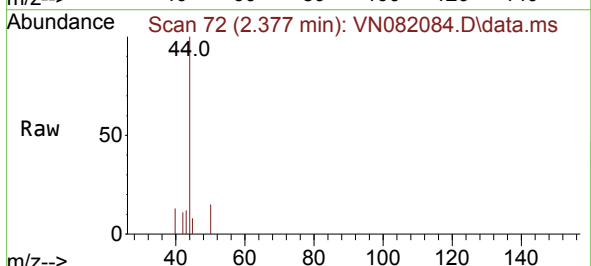
Acq: 10 May 2024 20:57

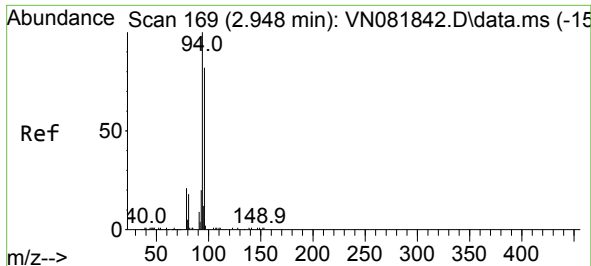
Tgt Ion: 50 Resp: 377

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

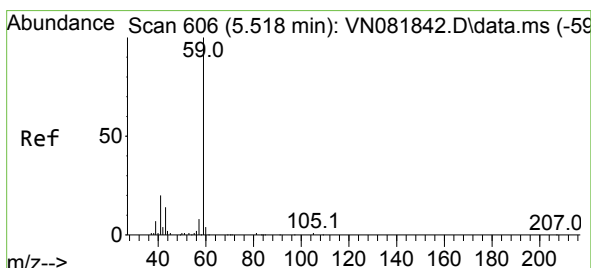
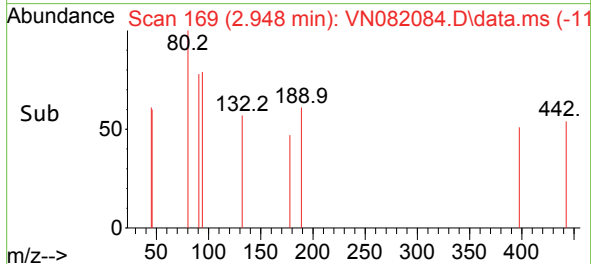
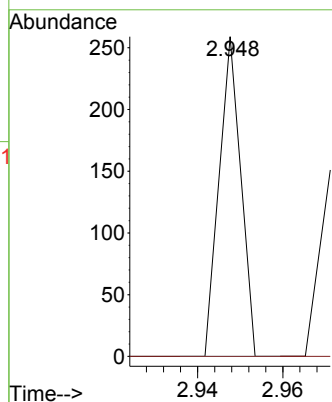
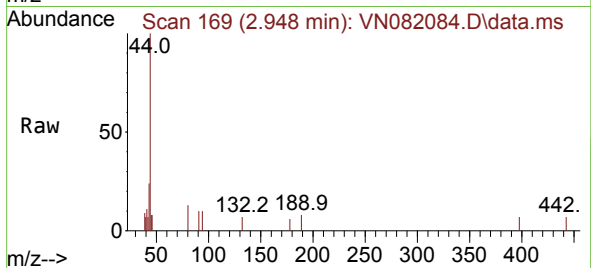




#5
Bromomethane
Concen: Below Cal
RT: 2.948 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

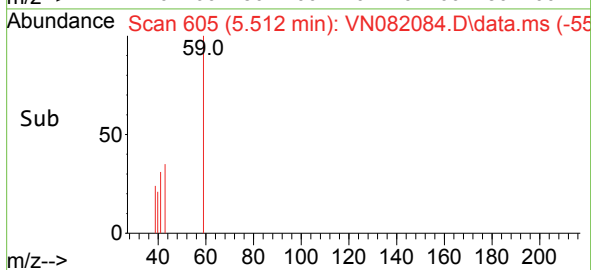
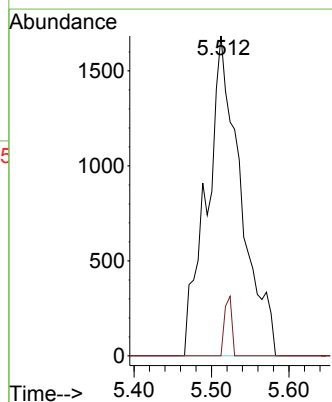
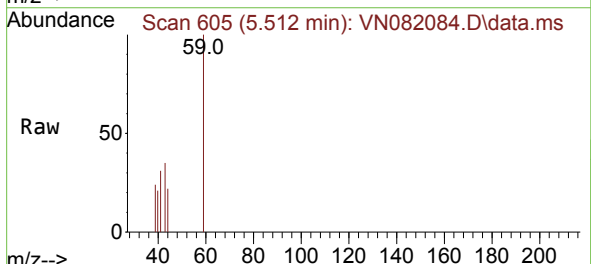
Instrument :
MSVOA_N
ClientSampleId :

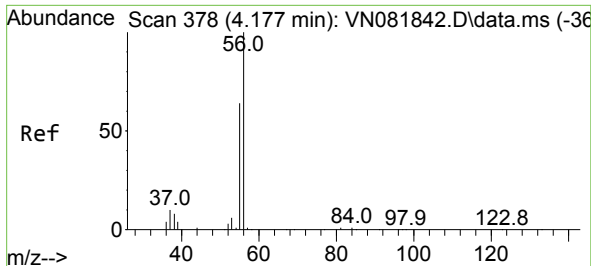
Tgt Ion: 94 Resp: 91
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 14.711 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

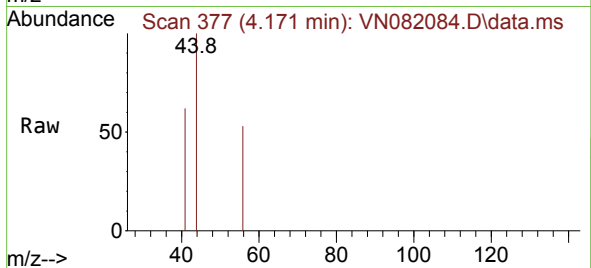
Tgt Ion: 59 Resp: 5132
Ion Ratio Lower Upper
59 100
57 4.0 8.9 13.3#



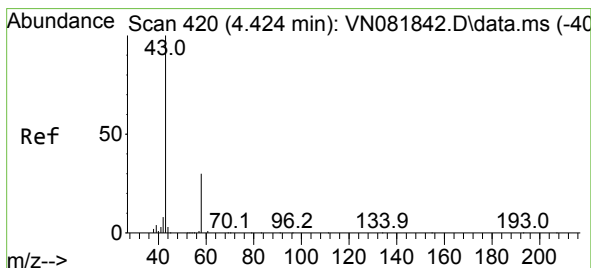
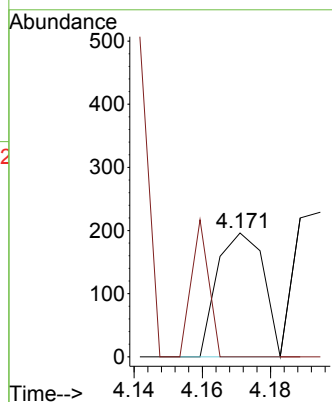


#13
Acrolein
Concen: Below Cal
RT: 4.171 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Instrument :
MSVOA_N
ClientSampleId :

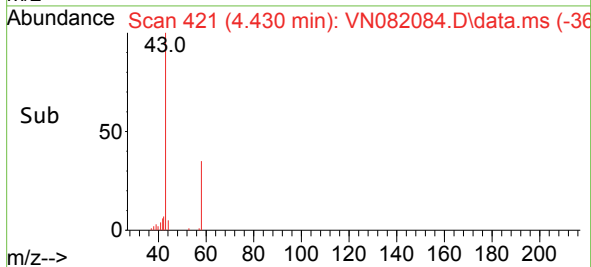
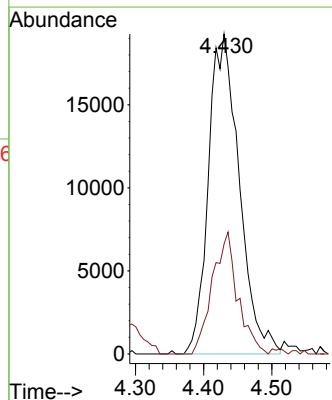
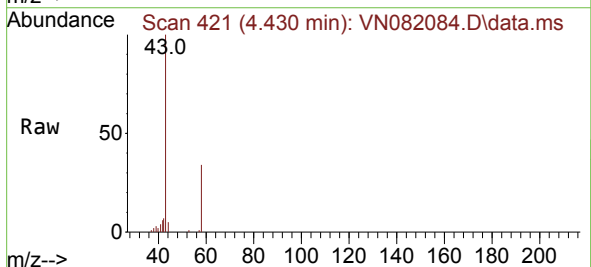


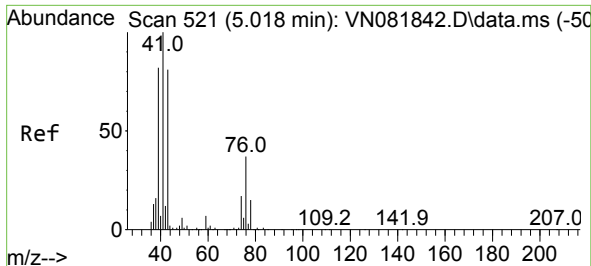
Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 41.6 55.8 83.8#



#16
Acetone
Concen: 103.266 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

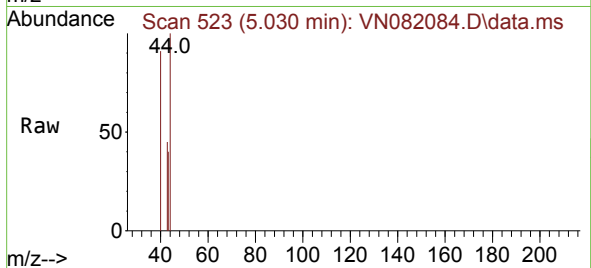
Tgt Ion: 43 Resp: 60420
Ion Ratio Lower Upper
43 100
58 34.3 25.2 37.8



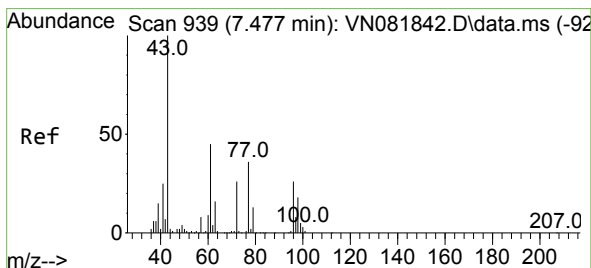
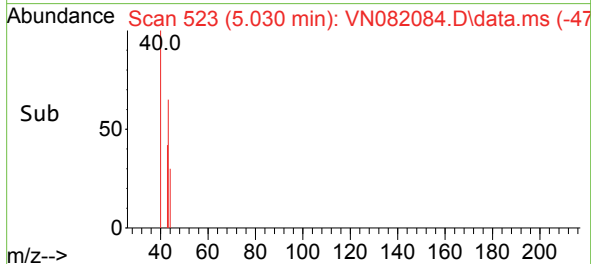
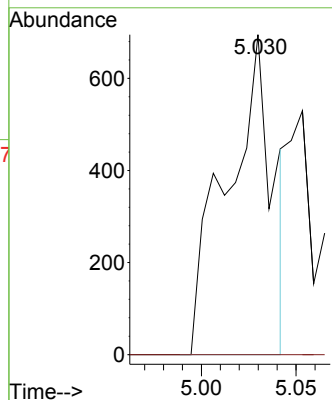


#18
Methyl Acetate
Concen: 0.602 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Instrument :
MSVOA_N
ClientSampleId :

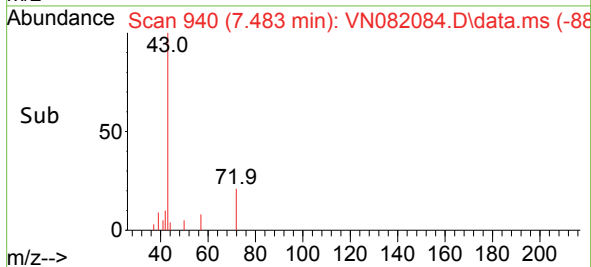
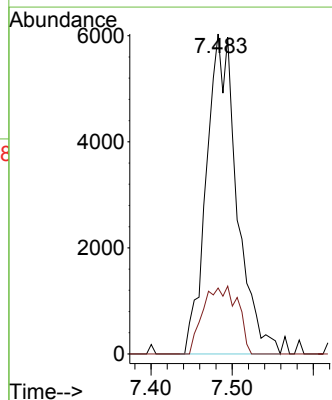
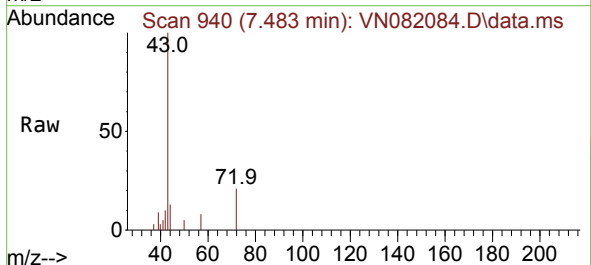


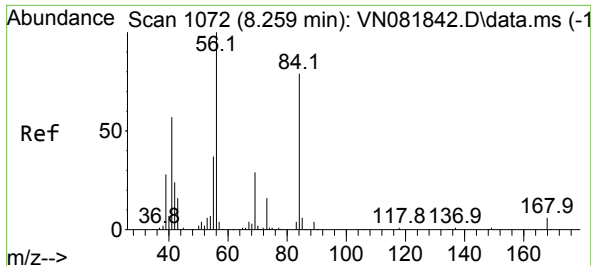
Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#25
2-Butanone
Concen: 14.529 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

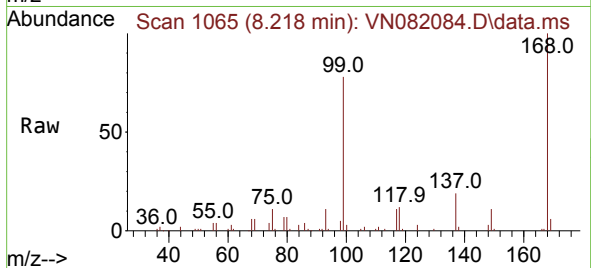
Tgt Ion: 43 Resp: 15824
Ion Ratio Lower Upper
43 100
72 20.6 25.3 37.9#



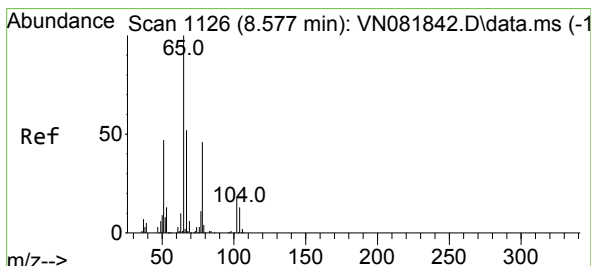
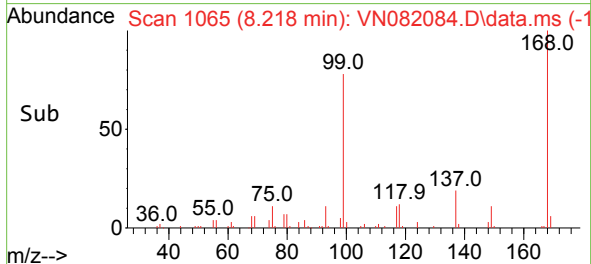
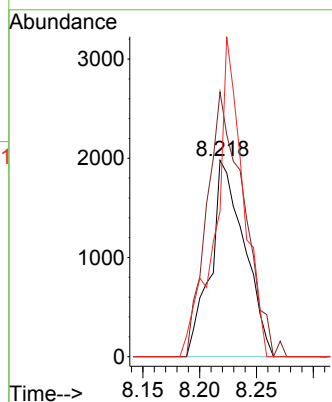


#31
Cyclohexane
Concen: 1.415 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Instrument :
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ClientSampleId :

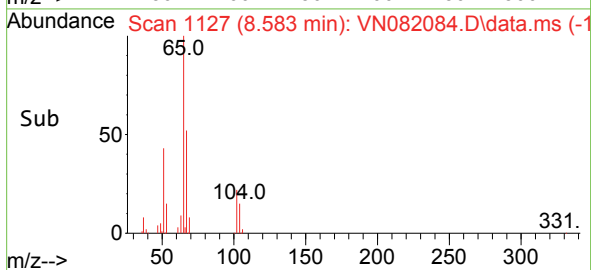
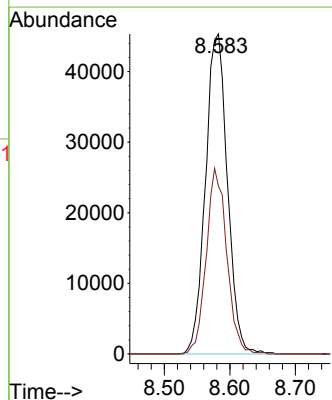
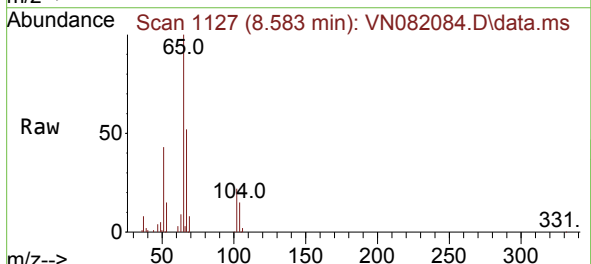


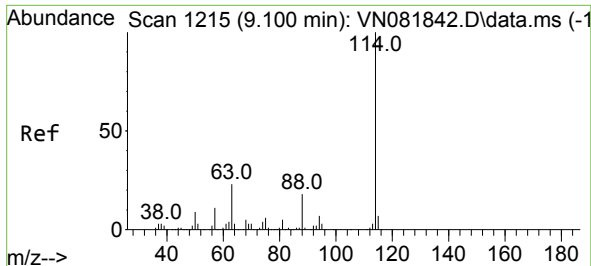
Tgt Ion: 56 Resp: 4090
Ion Ratio Lower Upper
56 100
69 134.9 24.4 36.6#
84 74.0 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 55.104 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

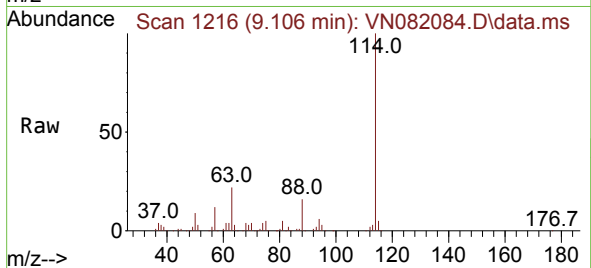
Tgt Ion: 65 Resp: 105744
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.0



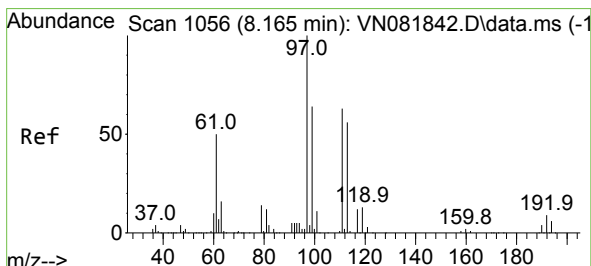
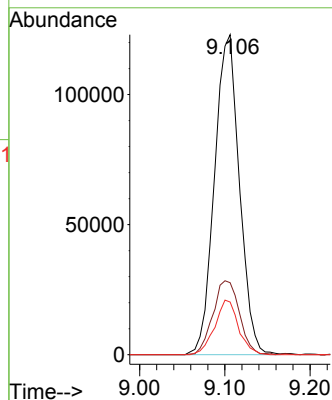
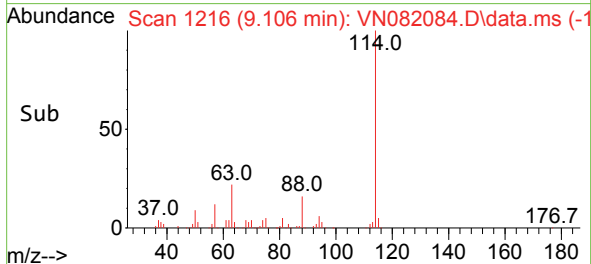


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

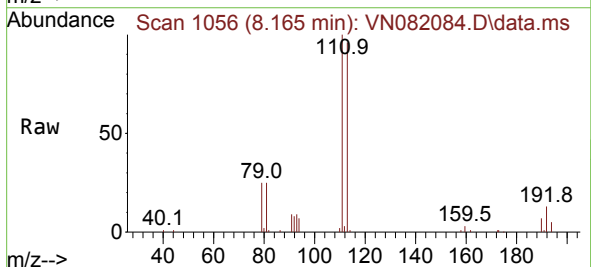
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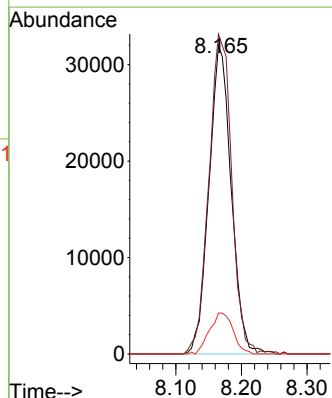
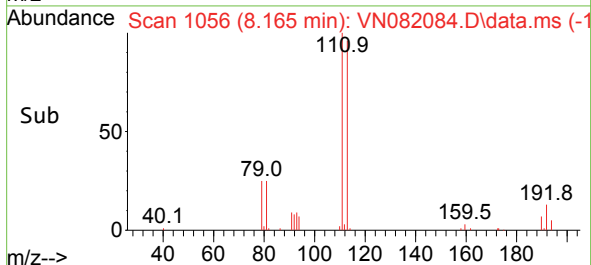
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Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.0
88 16.5 0.0 31.4

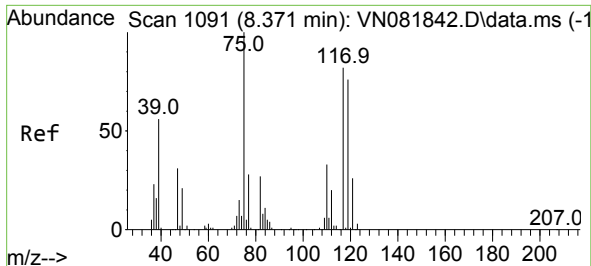


#35
Dibromofluoromethane
Concen: 50.136 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57



Tgt Ion:113 Resp: 75424
Ion Ratio Lower Upper
113 100
111 106.8 83.4 125.2
192 14.1 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.592 ug/l

RT: 8.224 min Scan# 1091

Delta R.T. -0.147 min

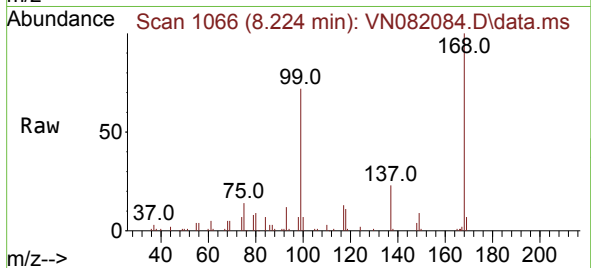
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Acq: 10 May 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :



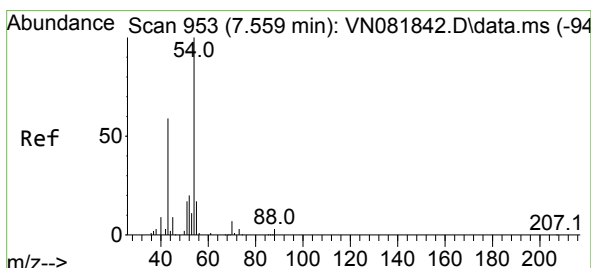
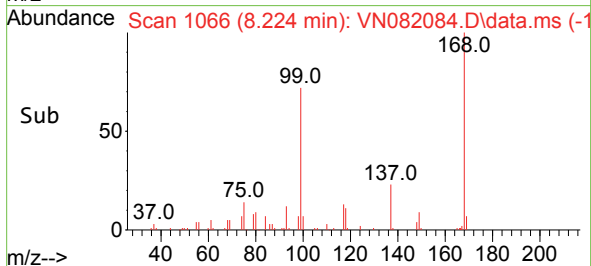
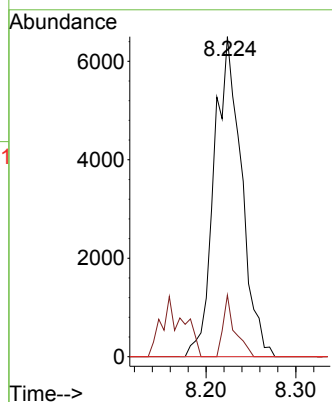
Tgt Ion: 75 Resp: 13686

Ion Ratio Lower Upper

75 100

110 8.3 17.8 53.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 5.980 ug/l

RT: 7.483 min Scan# 940

Delta R.T. -0.076 min

Lab File: VN082084.D

Acq: 10 May 2024 20:57

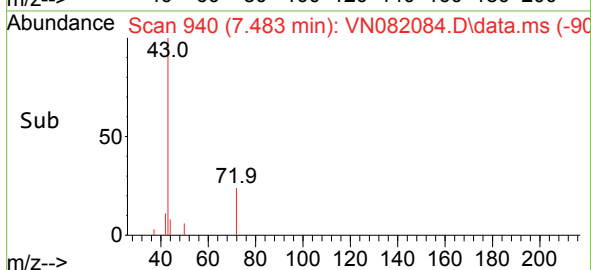
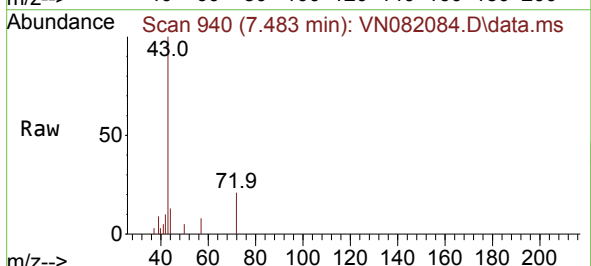
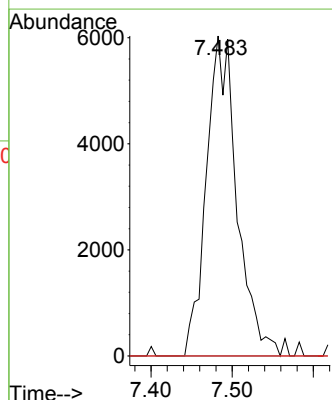
Tgt Ion: 43 Resp: 15824

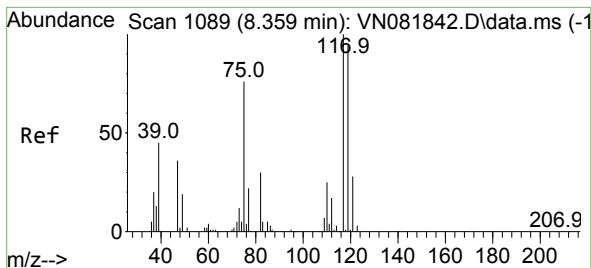
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 0.0 8.7 13.1#





#38

Carbon Tetrachloride

Concen: 5.674 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.135 min

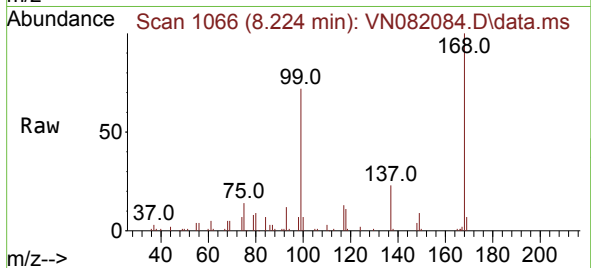
Lab File: VN082084.D

Acq: 10 May 2024 20:57

Instrument :

MSVOA_N

ClientSampleId :



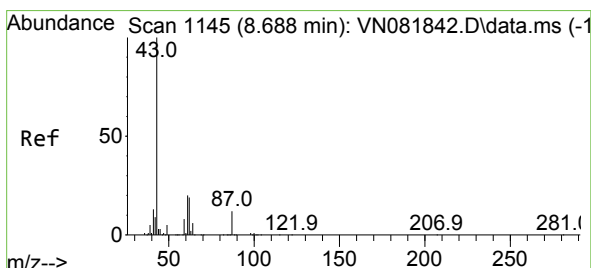
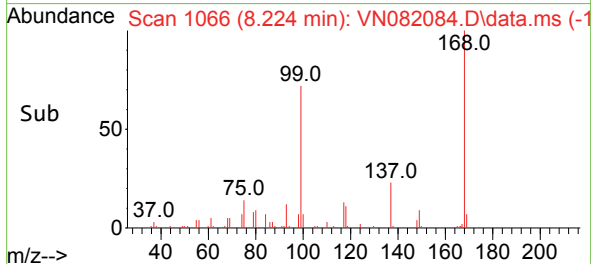
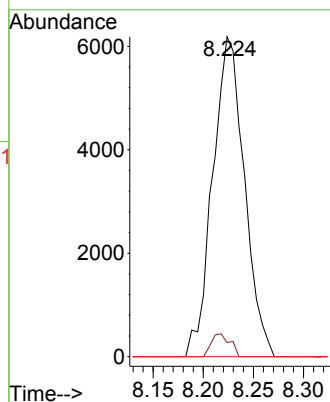
Tgt Ion:117 Resp: 13573

Ion Ratio Lower Upper

117 100

119 4.4 76.5 114.7#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 9.987 ug/l

RT: 8.659 min Scan# 1140

Delta R.T. -0.029 min

Lab File: VN082084.D

Acq: 10 May 2024 20:57

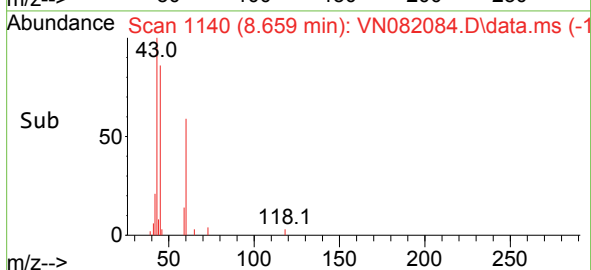
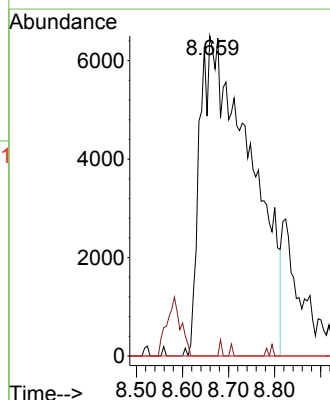
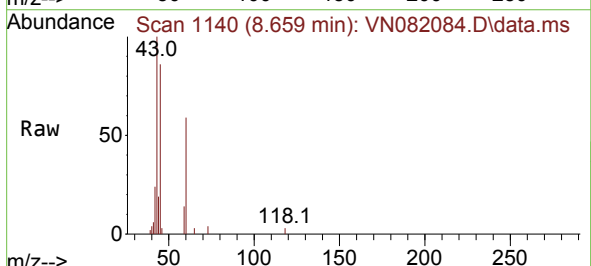
Tgt Ion: 43 Resp: 49692

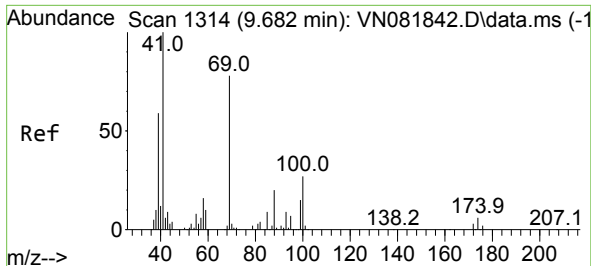
Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

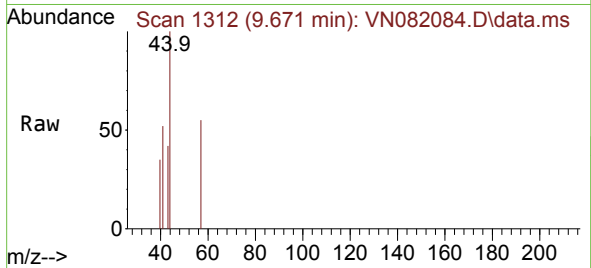
87 0.0 12.0 18.0#



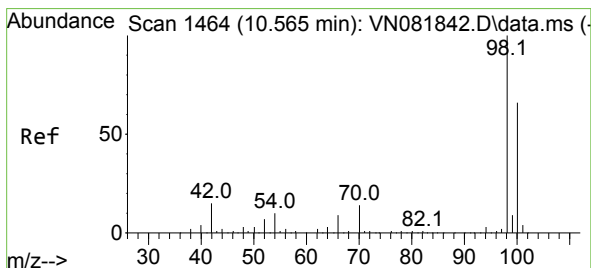
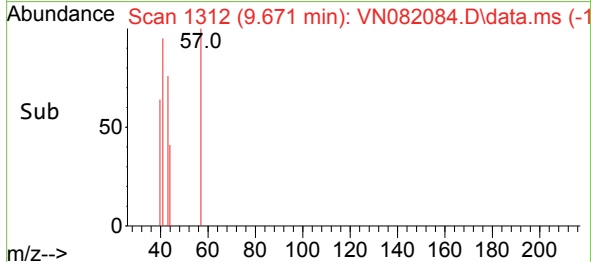
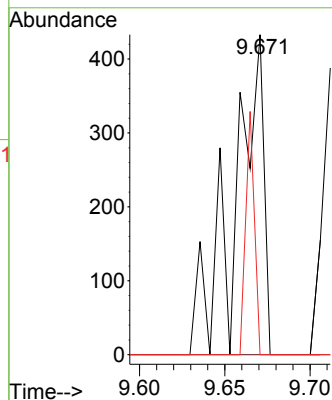


#48
Methyl methacrylate
Concen: 0.219 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Instrument :
MSVOA_N
ClientSampleId :

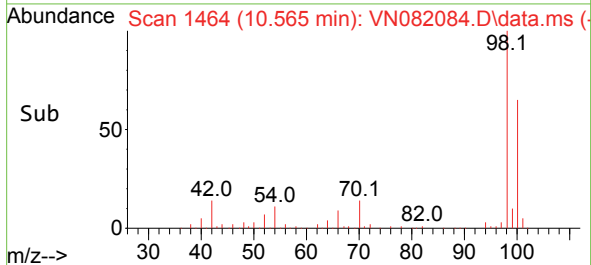
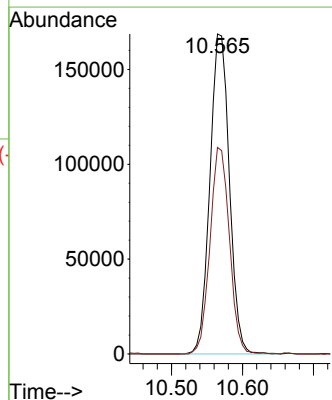
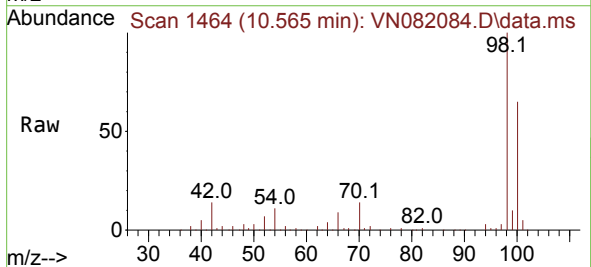


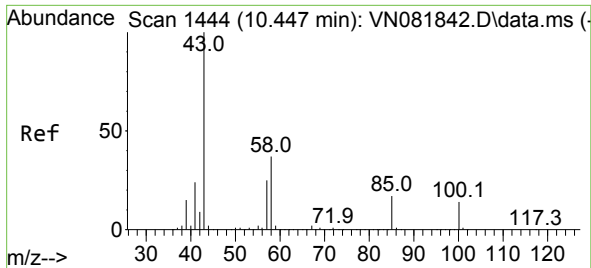
Tgt Ion: 41 Resp: 520
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 22.3 50.9 76.3#



#50
Toluene-d8
Concen: 54.296 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Tgt Ion: 98 Resp: 320803
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6

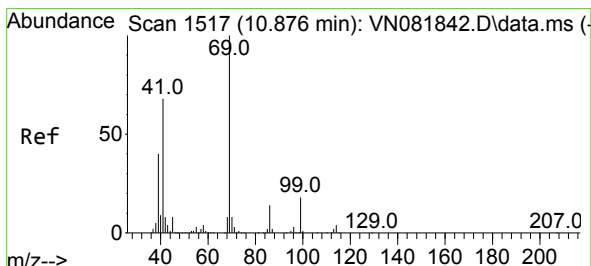
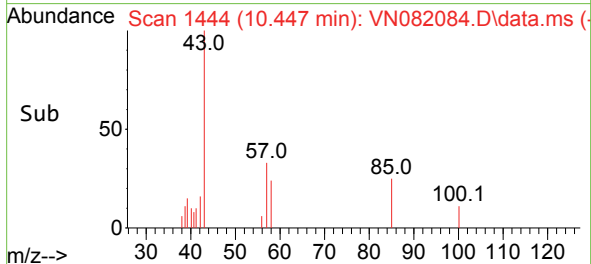
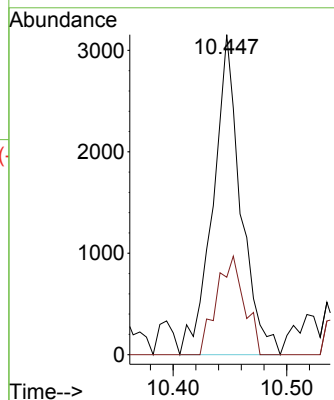
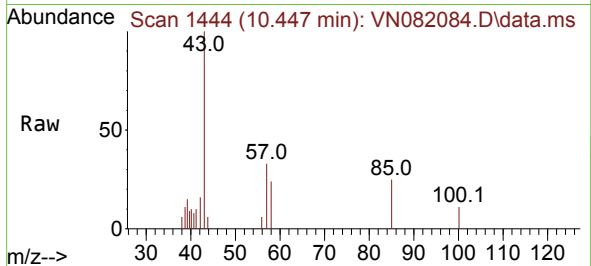




#51
4-Methyl-2-Pentanone
Concen: 1.909 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

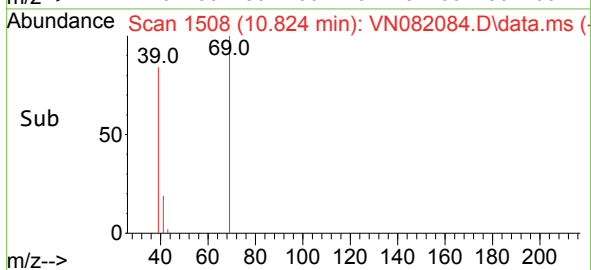
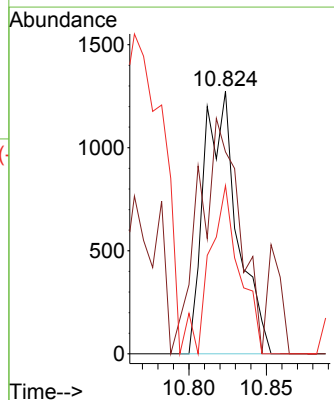
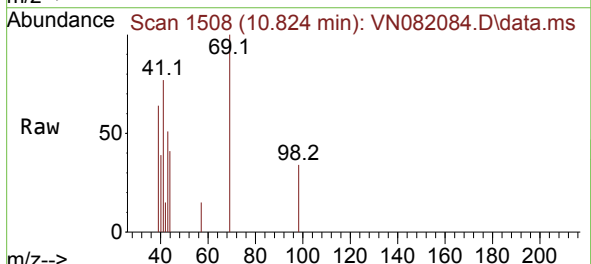
Instrument :
MSVOA_N
ClientSampleId :

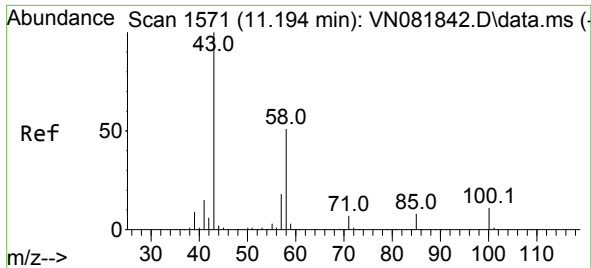
Tgt Ion: 43 Resp: 5346
Ion Ratio Lower Upper
43 100
58 30.8 33.2 49.8#



#56
Ethyl methacrylate
Concen: 0.578 ug/l
RT: 10.824 min Scan# 1508
Delta R.T. -0.053 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Tgt Ion: 69 Resp: 1903
Ion Ratio Lower Upper
69 100
41 108.8 46.6 70.0#
39 54.8 26.5 39.7#

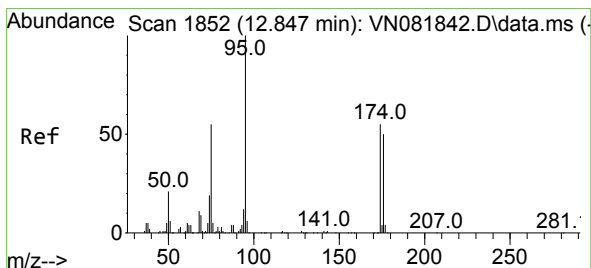
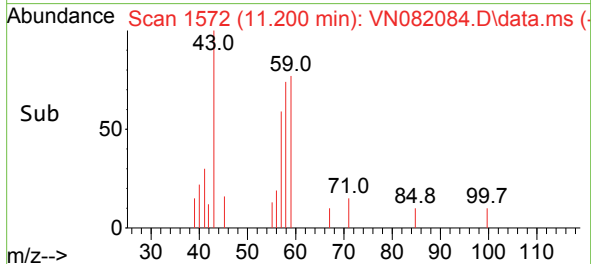
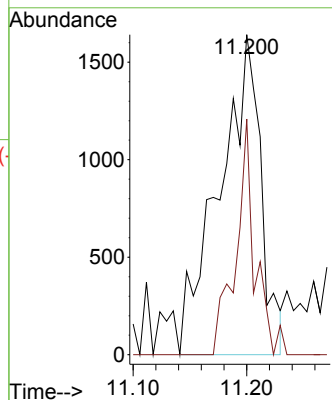
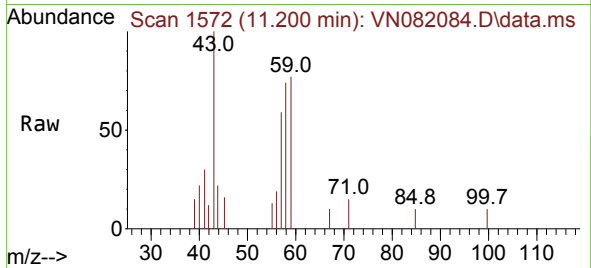




#59
2-Hexanone
Concen: 1.999 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

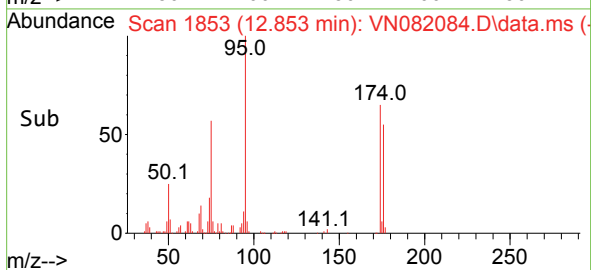
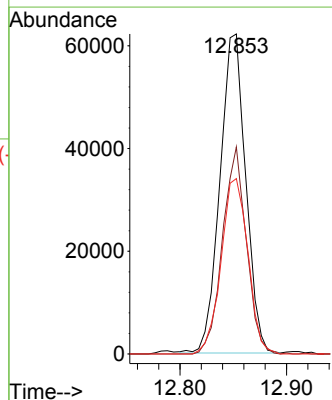
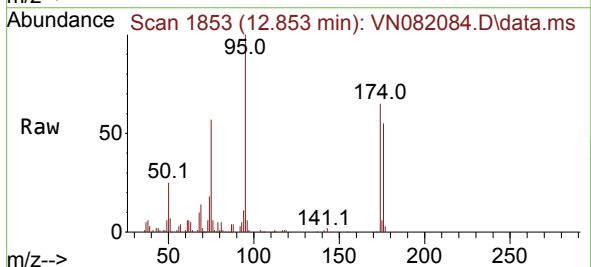
Instrument :
MSVOA_N
ClientSampleId :

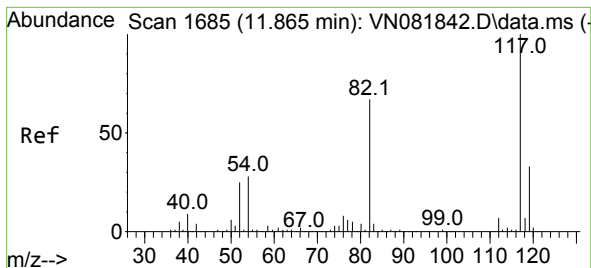
Tgt Ion: 43 Resp: 4166
Ion Ratio Lower Upper
43 100
58 33.9 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 44.700 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Tgt Ion: 95 Resp: 104402
Ion Ratio Lower Upper
95 100
174 59.9 0.0 160.6
176 57.1 0.0 152.8

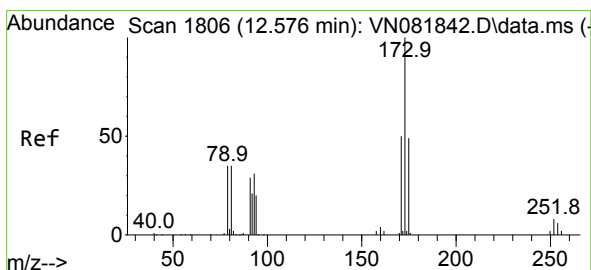
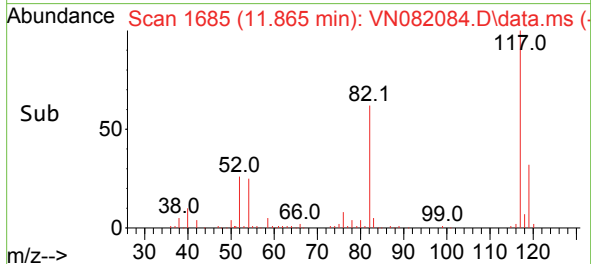
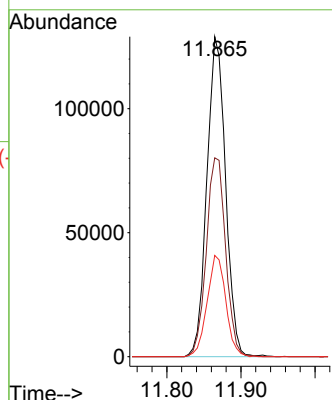
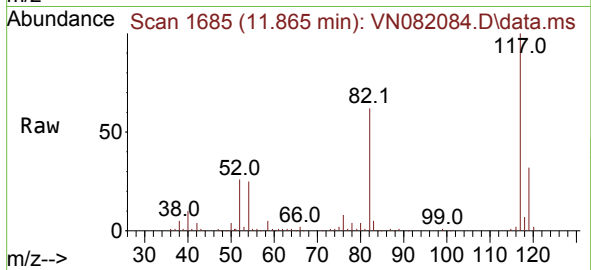




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

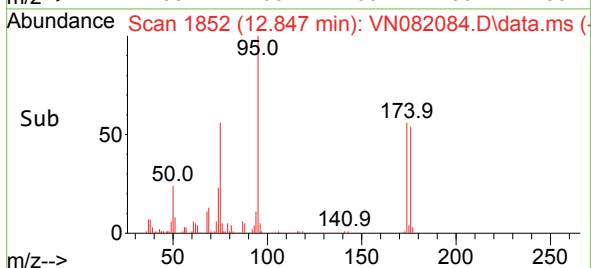
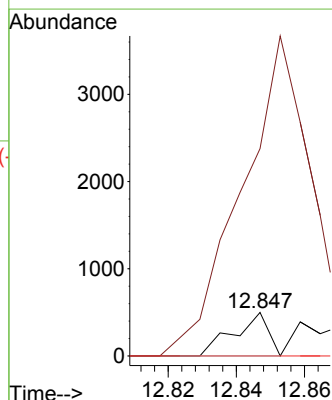
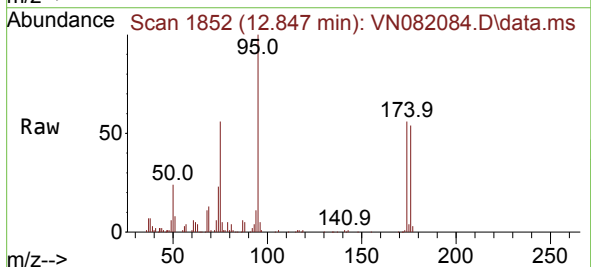
Instrument :
MSVOA_N
ClientSampleId :

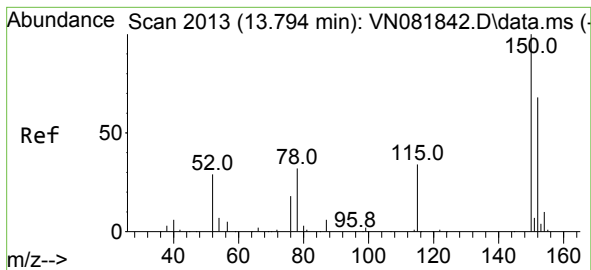
Tgt Ion:117 Resp: 226174
Ion Ratio Lower Upper
117 100
82 62.2 44.6 66.8
119 31.7 25.9 38.9



#71
Bromoform
Concen: 0.279 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

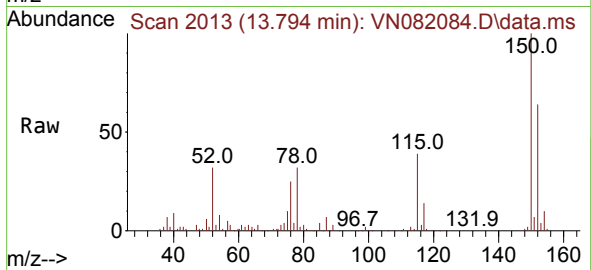
Tgt Ion:173 Resp: 352
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



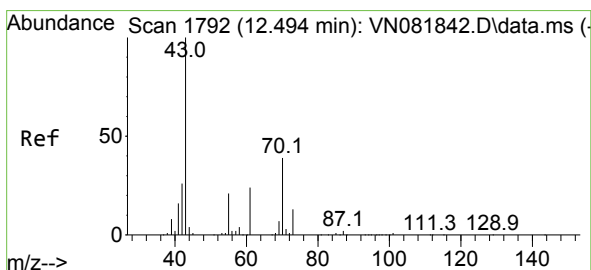
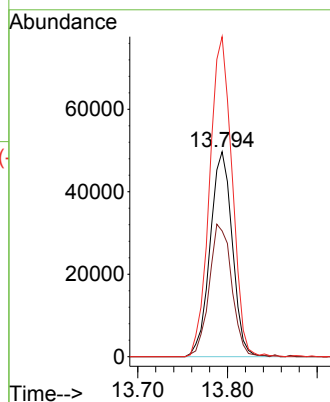
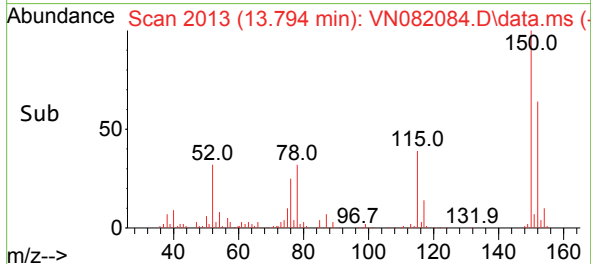


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

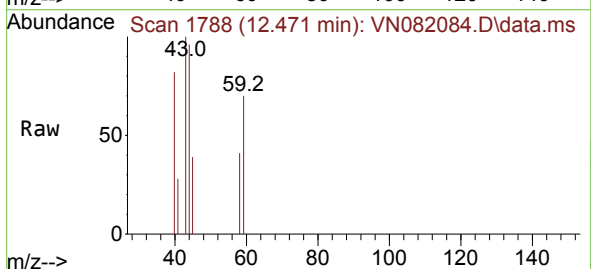
Instrument :
MSVOA_N
ClientSampleId :



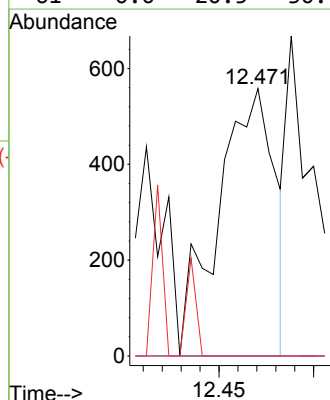
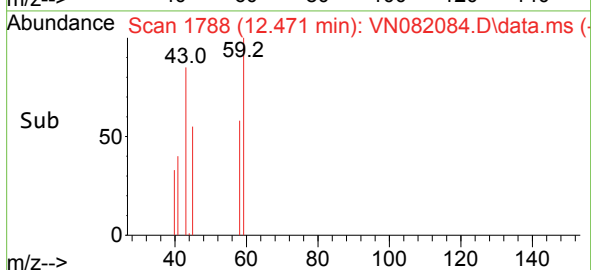
Tgt Ion:152 Resp: 85277
Ion Ratio Lower Upper
152 100
115 65.8 30.4 91.3
150 158.4 0.0 353.2

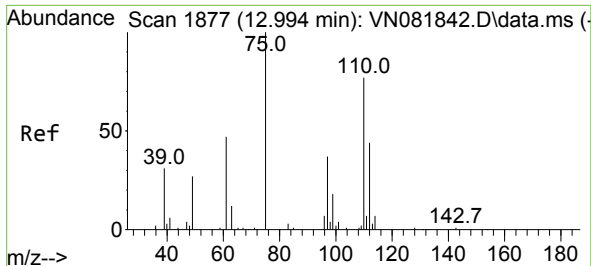


#74
N-ethyl acetate
Concen: 0.276 ug/l
RT: 12.471 min Scan# 1788
Delta R.T. -0.023 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57



Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#

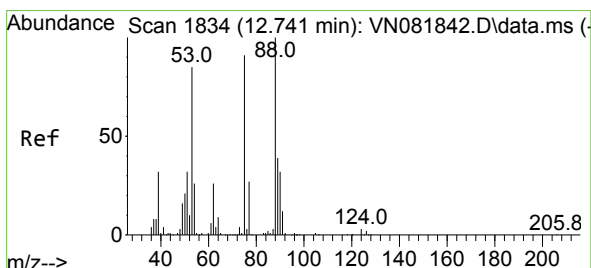
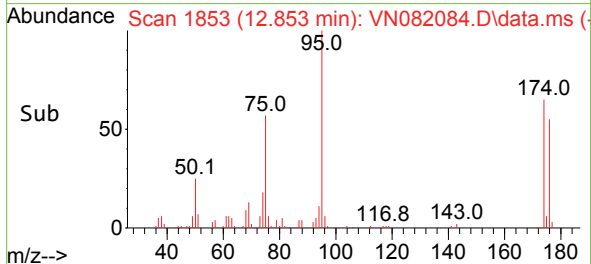
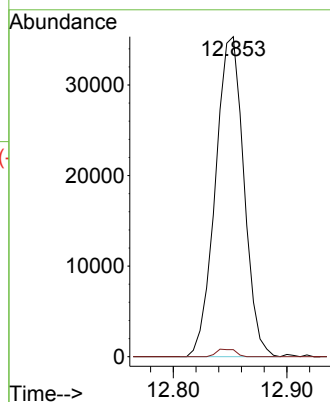
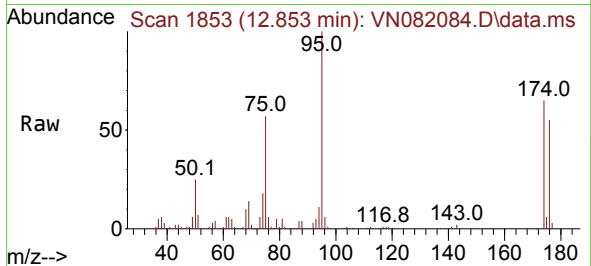




#76
1,2,3-Trichloropropane
Concen: 27.850 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

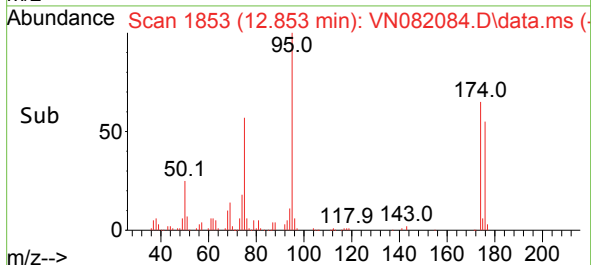
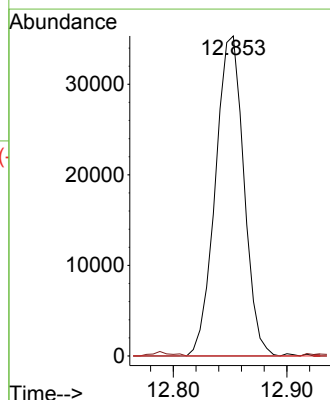
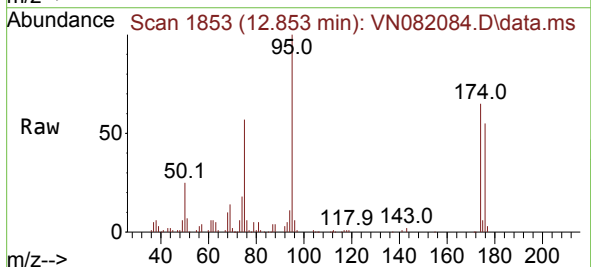
Instrument :
MSVOA_N
ClientSampleId :

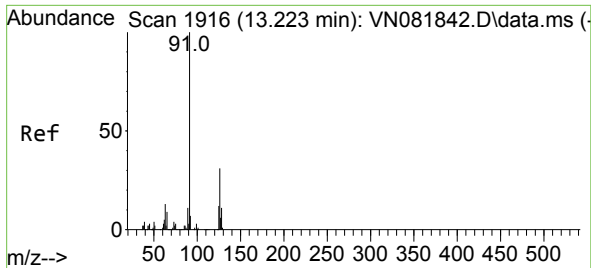
Tgt Ion: 75 Resp: 61577
Ion Ratio Lower Upper
75 100
77 1.6 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.068 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Tgt Ion: 75 Resp: 61577
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

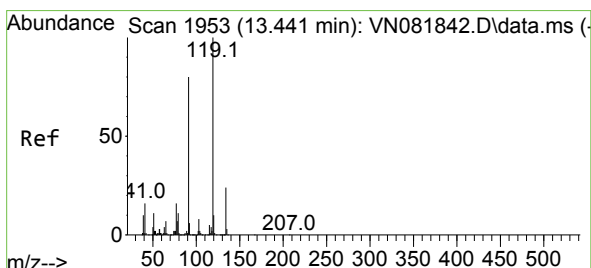
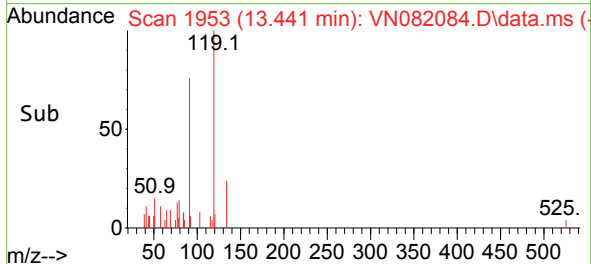
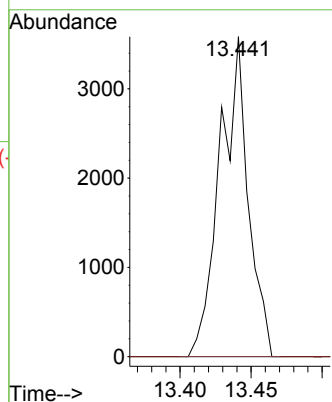
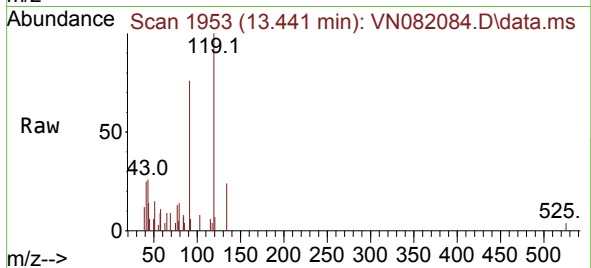




#82
4-Chlorotoluene
Concen: 0.874 ug/l
RT: 13.441 min Scan# 1916
Delta R.T. 0.218 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 4972
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#83
tert-Butylbenzene
Concen: 1.332 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN082084.D
Acq: 10 May 2024 20:57

Tgt Ion: 119 Resp: 7118
Ion Ratio Lower Upper
119 100
91 69.9 32.6 97.8
134 26.1 12.4 37.0

