

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082369.D
 Acq On : 29 May 2024 14:40
 Operator : JC\MD
 Sample : P2636-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:43:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

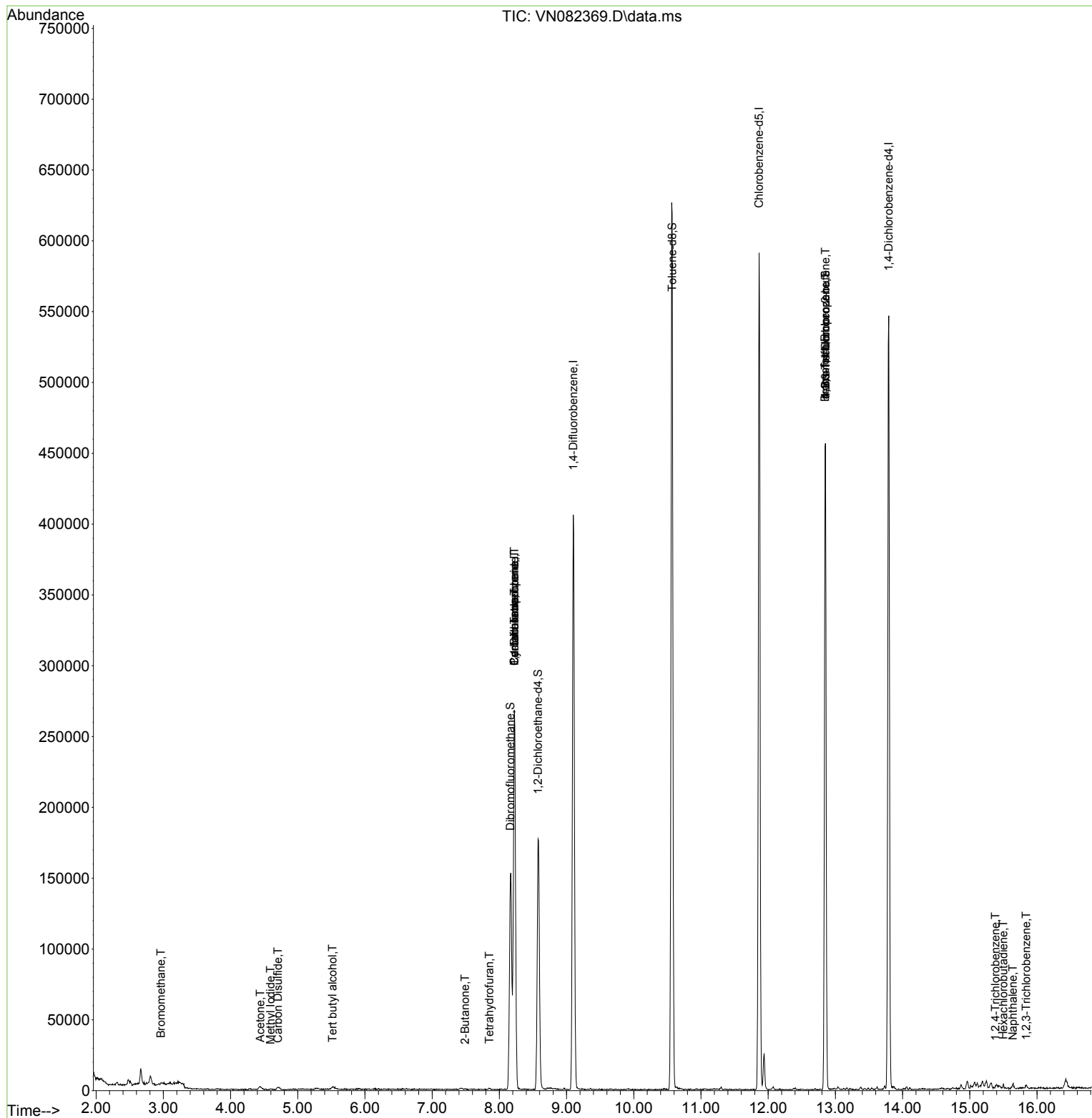
Internal Standards						
1) Pentafluorobenzene	8.224	168	187211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	328508	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	138279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149031	50.415	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.820%	
35) Dibromofluoromethane	8.165	113	106742	52.821	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.640%	
50) Toluene-d8	10.571	98	411332	53.091	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.180%	
62) 4-Bromofluorobenzene	12.853	95	148846	53.826	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 107.660%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	811	0.491	ug/l	83
10) Methyl Iodide	4.595	142	755	0.341	ug/l #	40
11) Tert butyl alcohol	5.518	59	3156	6.651	ug/l #	89
16) Acetone	4.442	43	4773	3.936	ug/l	100
17) Carbon Disulfide	4.706	76	2104	0.319	ug/l #	74
25) 2-Butanone	7.489	43	375	0.204	ug/l #	43
29) Tetrahydrofuran	7.853	42	872	0.739	ug/l #	29
31) Cyclohexane	8.224	56	5475	1.160	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	17163	5.064	ug/l #	48
38) Carbon Tetrachloride	8.224	117	20788	6.051	ug/l #	16
71) Bromoform	12.847	173	491	0.973	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	87422	30.037	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	87422	70.256	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.382	180	534	0.212	ug/l #	24
94) Hexachlorobutadiene	15.500	225	546	0.494	ug/l #	72
95) Naphthalene	15.641	128	3378	0.428	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.841	180	869	0.345	ug/l	91

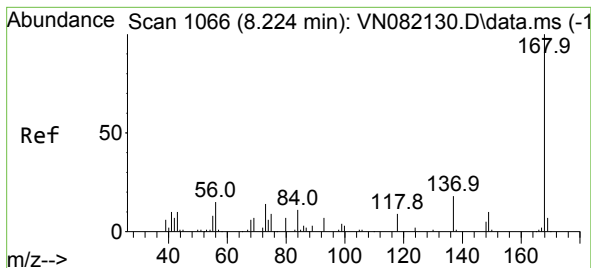
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

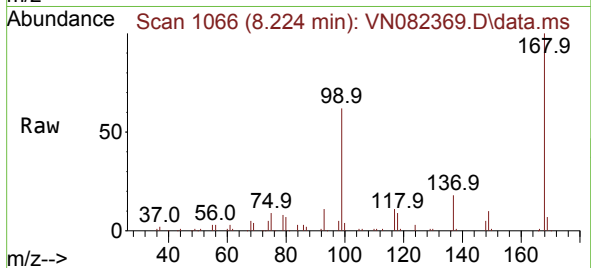
Lab File: VN082369.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

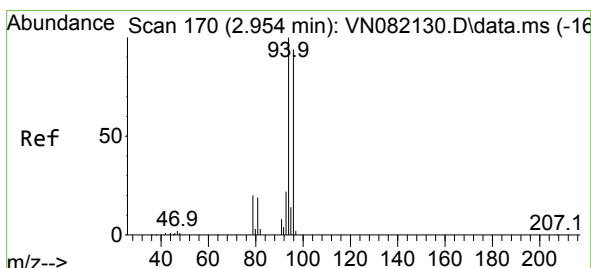
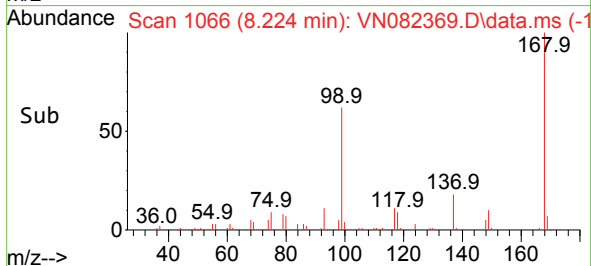
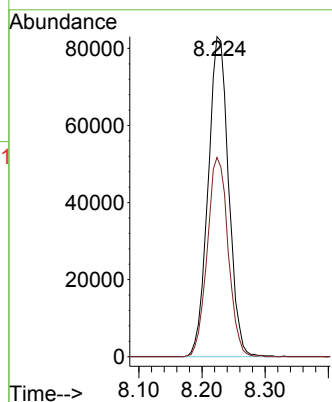


Tgt Ion:168 Resp: 187211

Ion Ratio Lower Upper

168 100

99 62.3 48.2 72.4



#5

Bromomethane

Concen: 0.491 ug/l

RT: 2.965 min Scan# 172

Delta R.T. 0.012 min

Lab File: VN082369.D

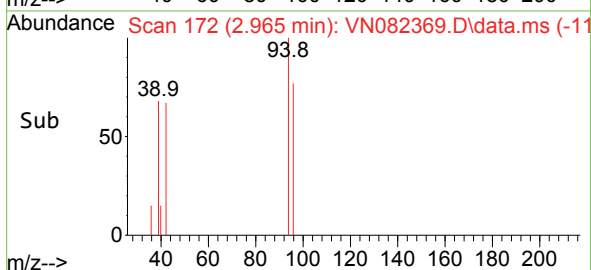
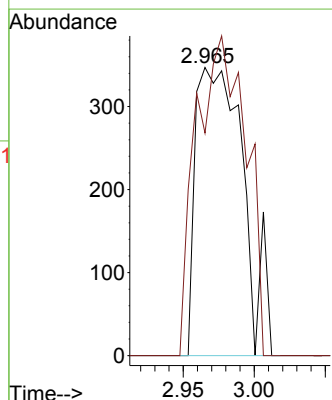
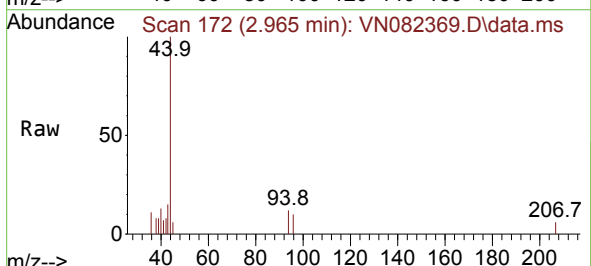
Acq: 29 May 2024 14:40

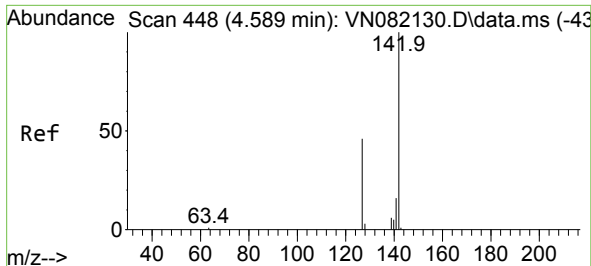
Tgt Ion: 94 Resp: 811

Ion Ratio Lower Upper

94 100

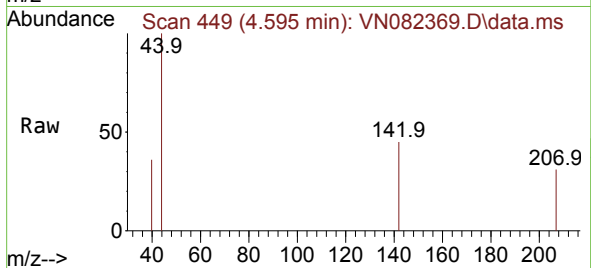
96 77.2 74.8 112.2



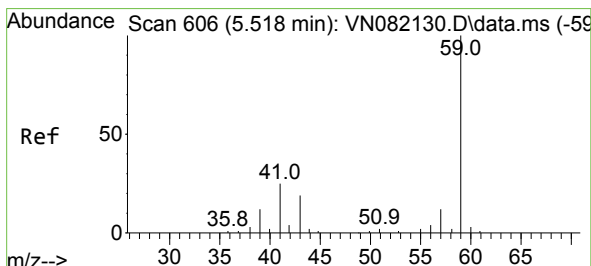
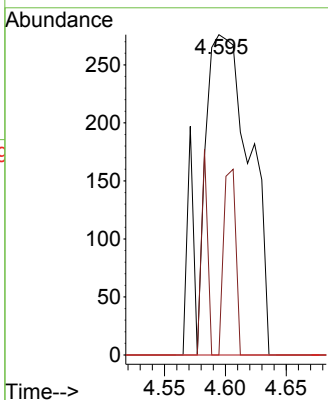
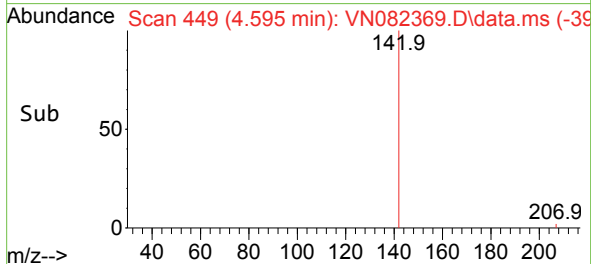


#10
Methyl Iodide
Concen: 0.341 ug/l
RT: 4.595 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :

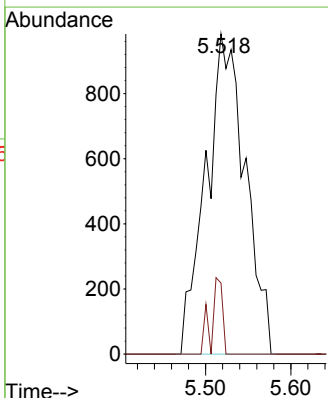
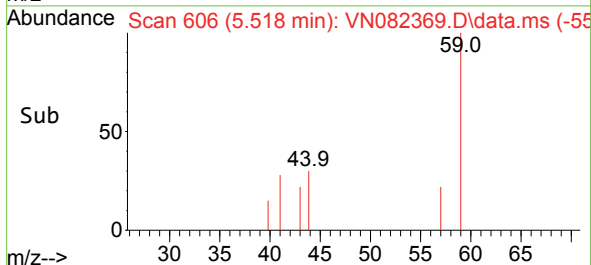
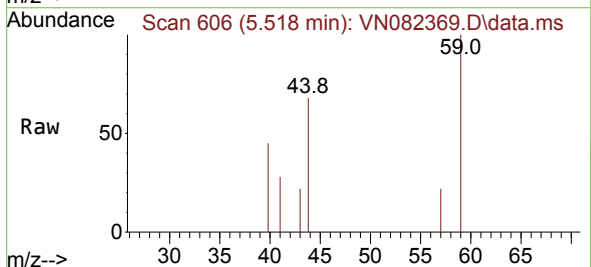


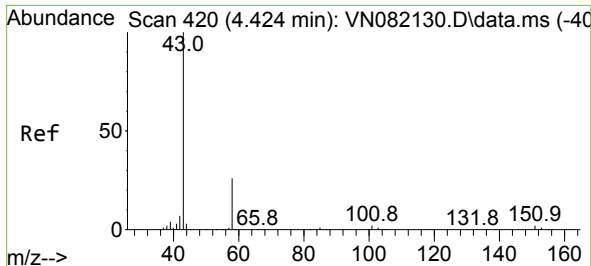
Tgt Ion:142 Resp: 755
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 6.651 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Tgt Ion: 59 Resp: 3156
Ion Ratio Lower Upper
59 100
57 6.8 8.9 13.3#

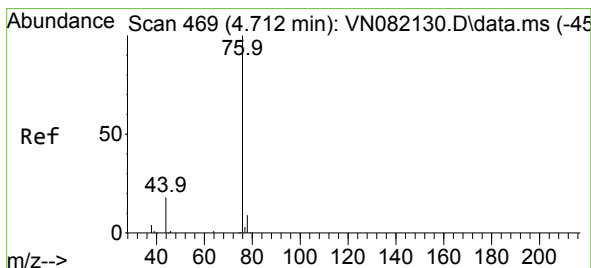
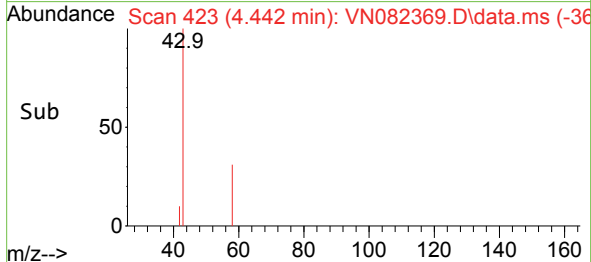
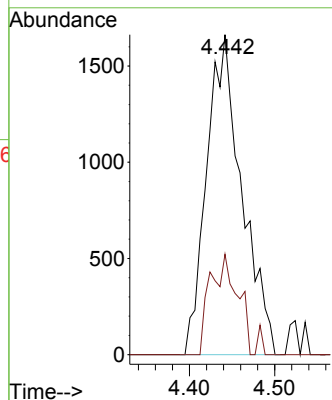
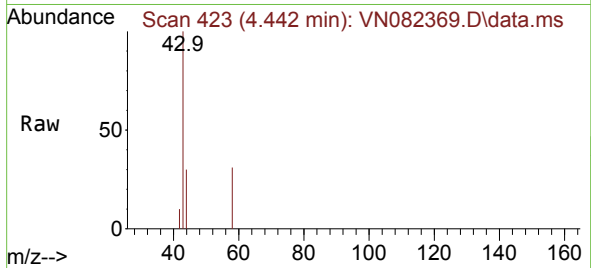




#16
Acetone
Concen: 3.936 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

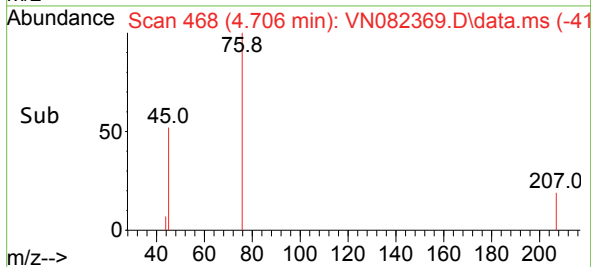
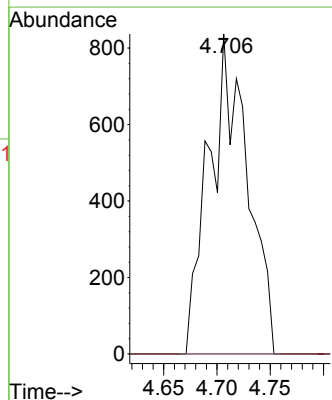
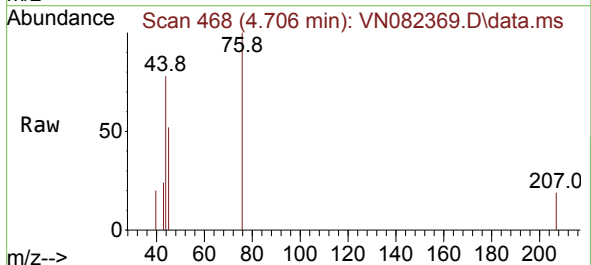
Instrument :
MSVOA_N
ClientSampleId :

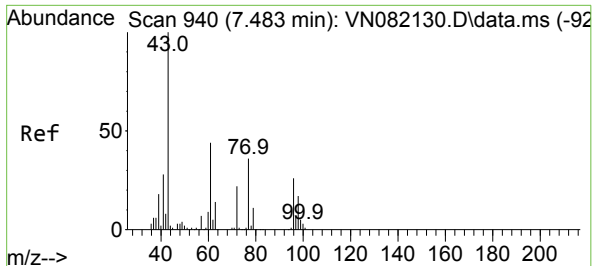
Tgt Ion: 43 Resp: 4773
Ion Ratio Lower Upper
43 100
58 31.4 25.2 37.8



#17
Carbon Disulfide
Concen: 0.319 ug/l
RT: 4.706 min Scan# 468
Delta R.T. -0.006 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Tgt Ion: 76 Resp: 2104
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#25

2-Butanone

Concen: 0.204 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

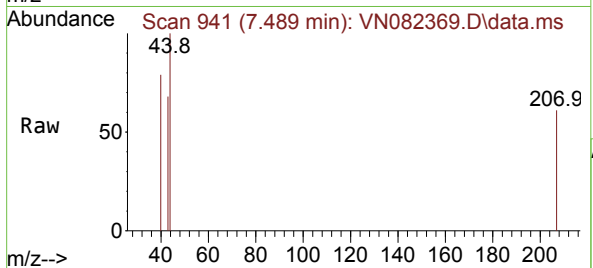
Lab File: VN082369.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

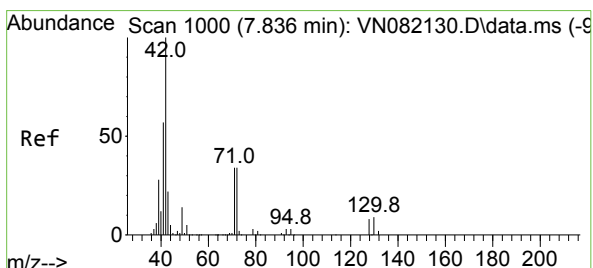
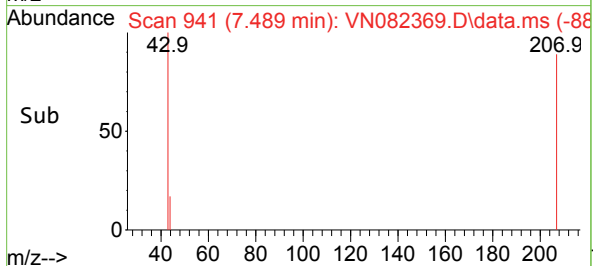
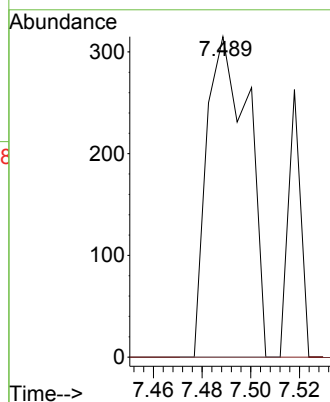


Tgt Ion: 43 Resp: 375

Ion Ratio Lower Upper

43 100

72 0.0 25.3 37.9#



#29

Tetrahydrofuran

Concen: 0.739 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.017 min

Lab File: VN082369.D

Acq: 29 May 2024 14:40

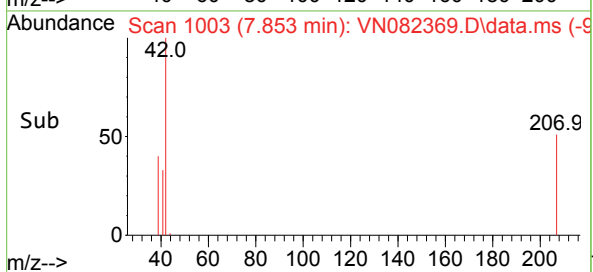
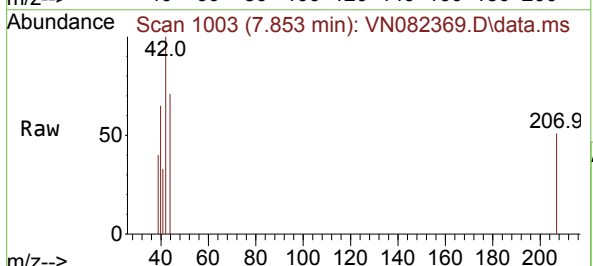
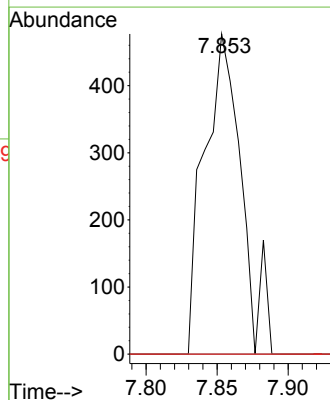
Tgt Ion: 42 Resp: 872

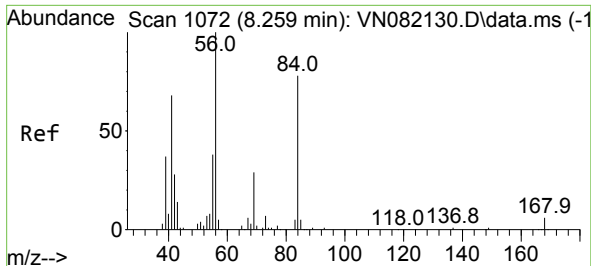
Ion Ratio Lower Upper

42 100

72 0.0 39.3 58.9#

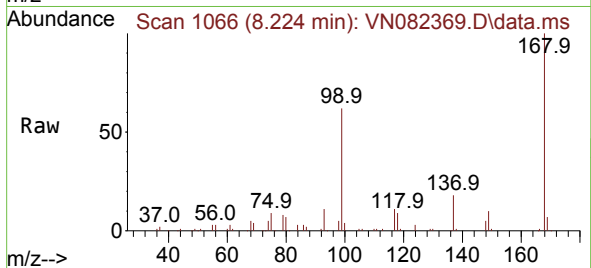
71 0.0 37.4 56.0#



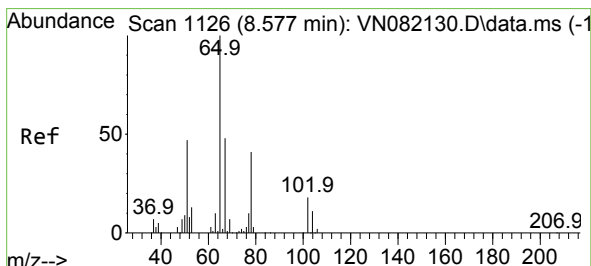
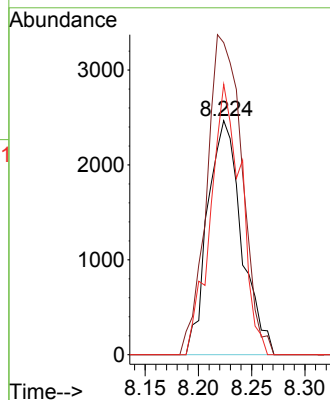
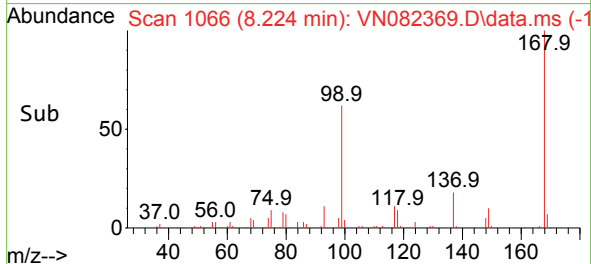


#31
Cyclohexane
Concen: 1.160 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :

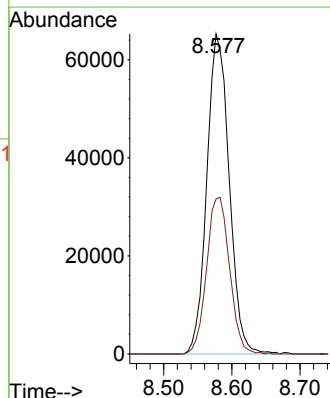
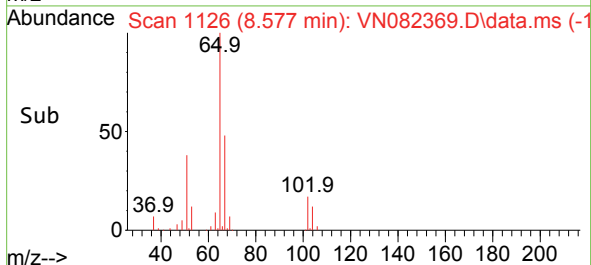
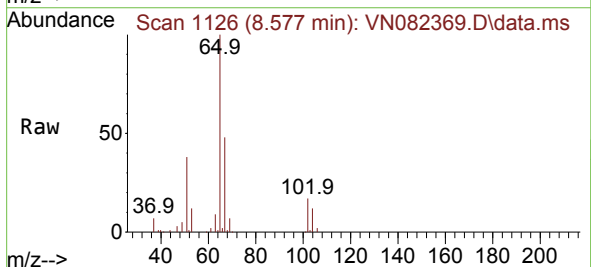


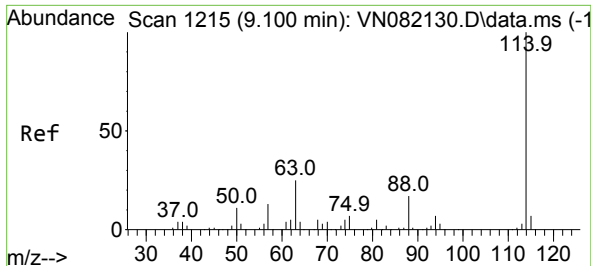
Tgt Ion: 56 Resp: 5475
Ion Ratio Lower Upper
56 100
69 133.2 24.4 36.6#
84 115.5 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 50.415 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Tgt Ion: 65 Resp: 149031
Ion Ratio Lower Upper
65 100
67 50.3 0.0 103.0

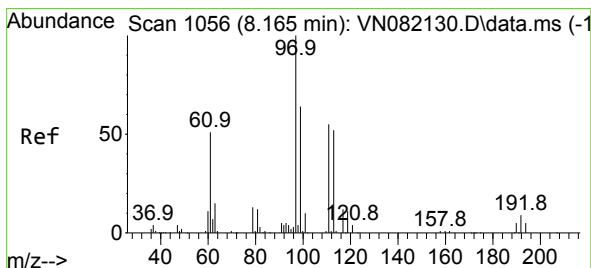
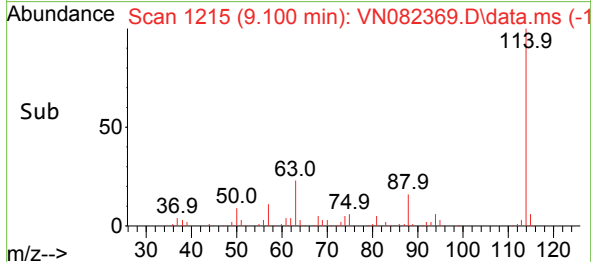
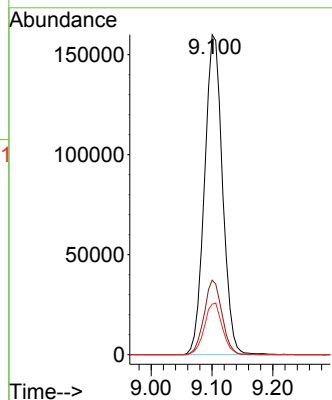
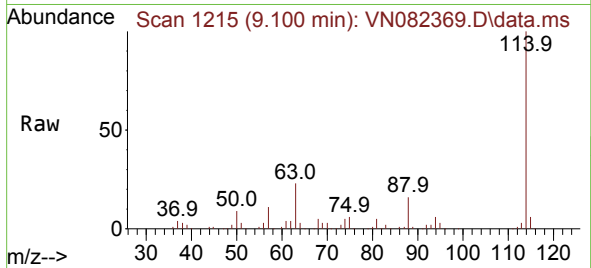




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

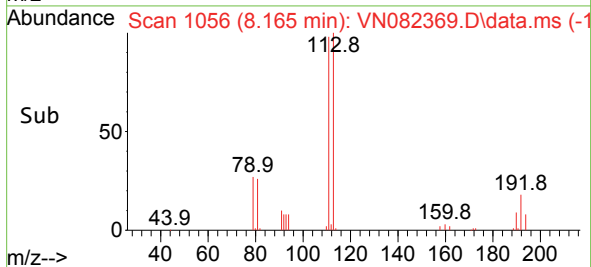
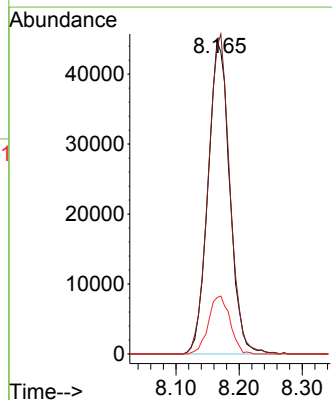
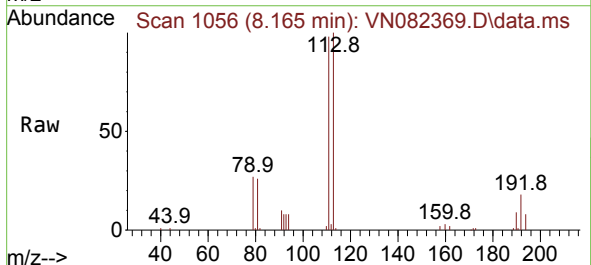
Instrument :
MSVOA_N
ClientSampleId :

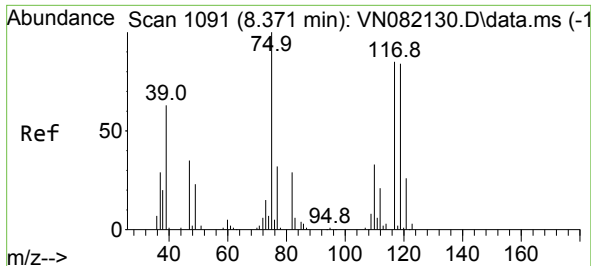
Tgt Ion:114 Resp: 328508
Ion Ratio Lower Upper
114 100
63 23.3 0.0 41.0
88 15.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.821 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Tgt Ion:113 Resp: 106742
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 18.4 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.064 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

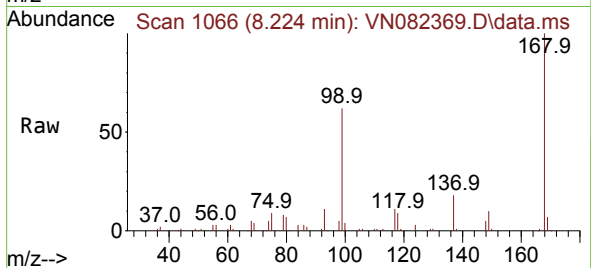
Lab File: VN082369.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :



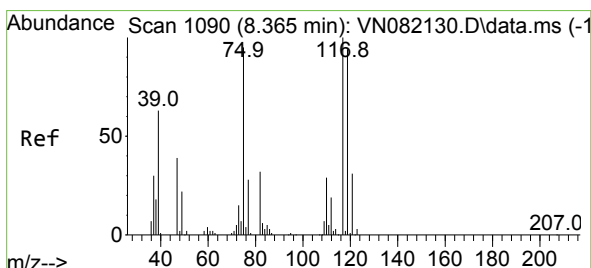
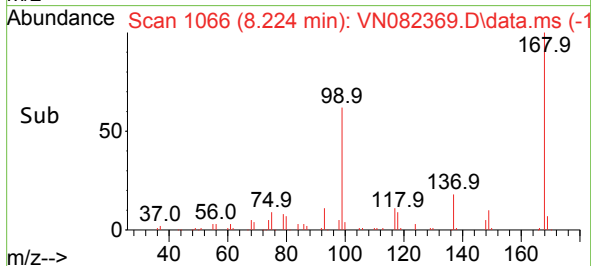
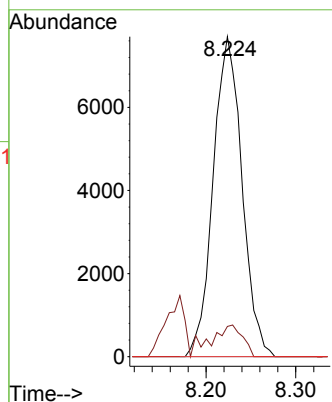
Tgt Ion: 75 Resp: 17163

Ion Ratio Lower Upper

75 100

110 8.1 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.051 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082369.D

Acq: 29 May 2024 14:40

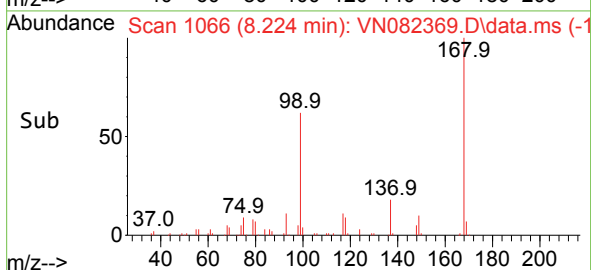
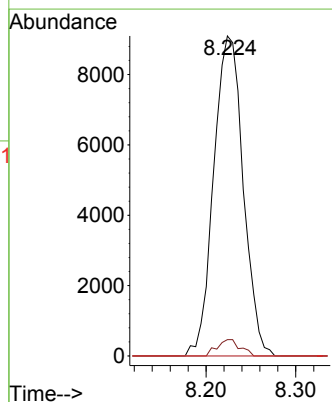
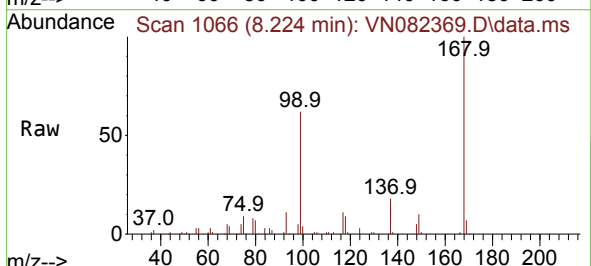
Tgt Ion: 117 Resp: 20788

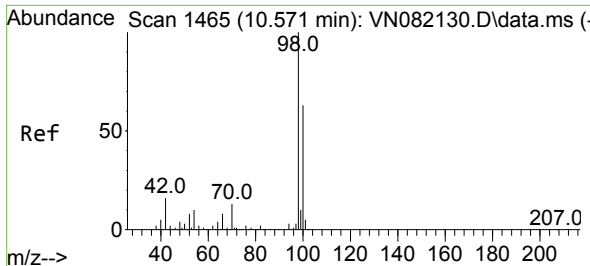
Ion Ratio Lower Upper

117 100

119 5.1 76.5 114.7#

121 0.0 23.9 35.9#

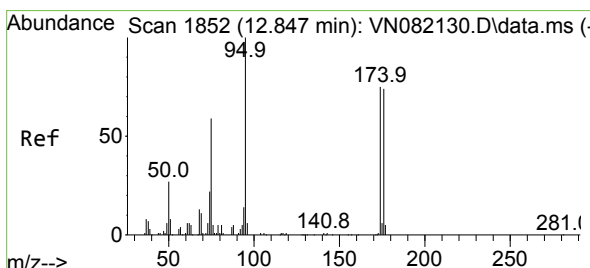
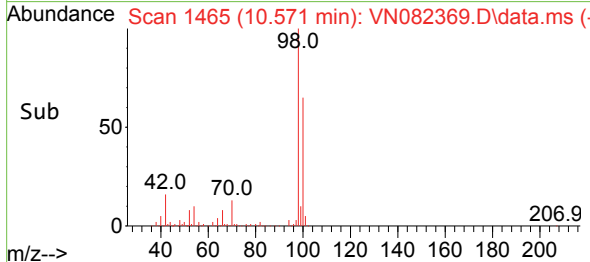
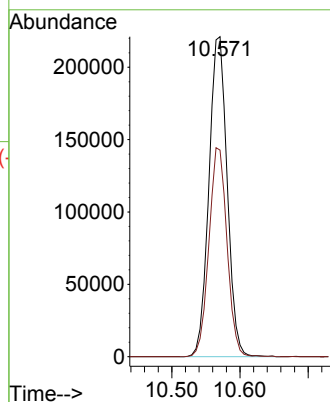
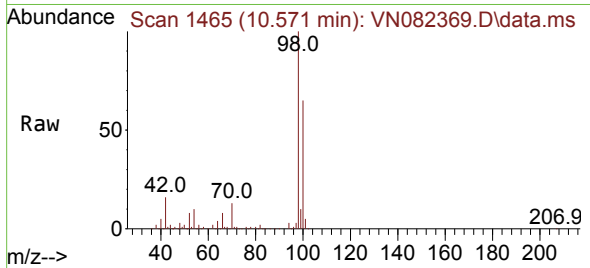




#50
Toluene-d8
Concen: 53.091 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

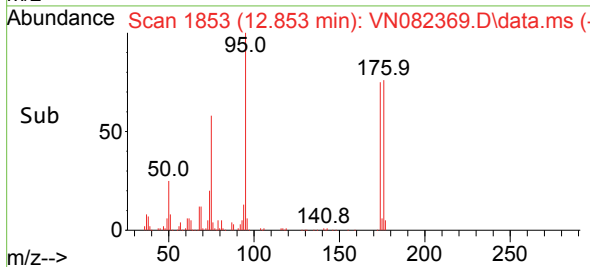
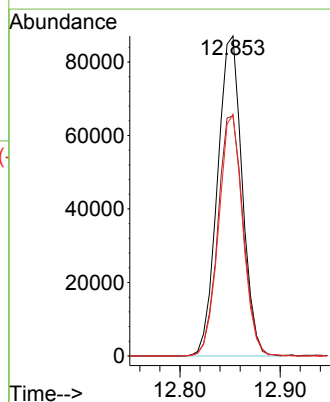
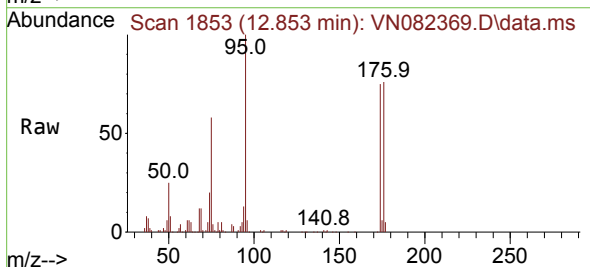
Instrument :
MSVOA_N
ClientSampleId :

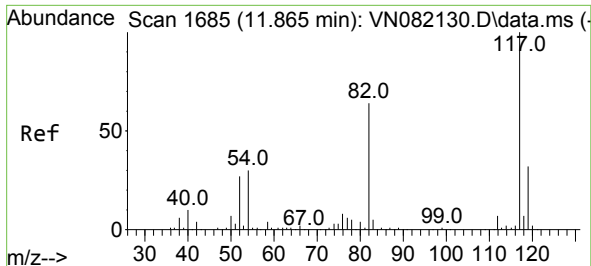
Tgt Ion: 98 Resp: 411332
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 53.826 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

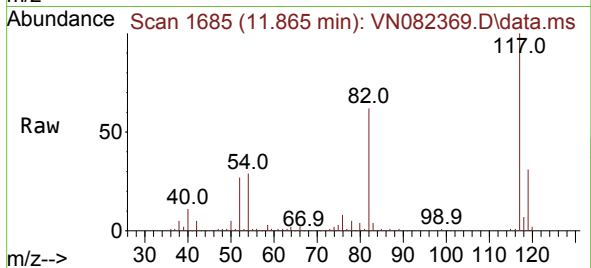
Tgt Ion: 95 Resp: 148846
Ion Ratio Lower Upper
95 100
174 76.8 0.0 160.6
176 73.7 0.0 152.8



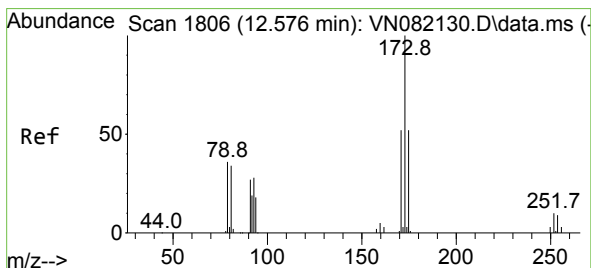
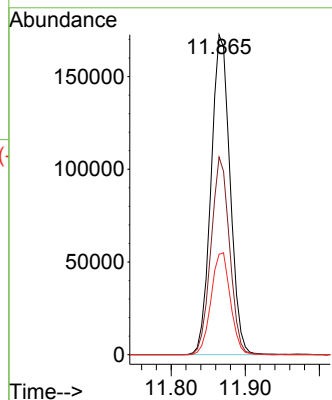
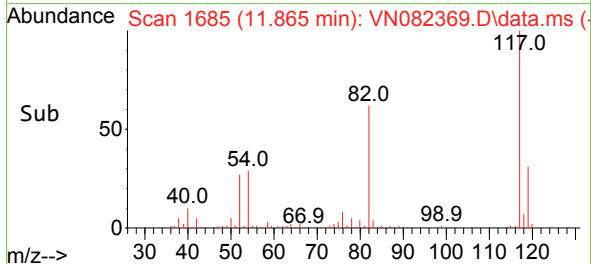


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :

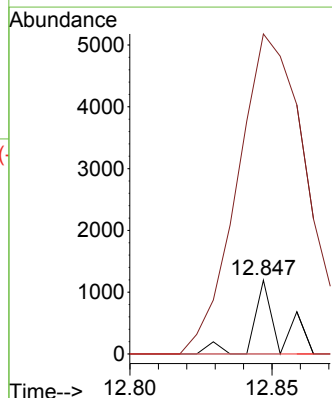
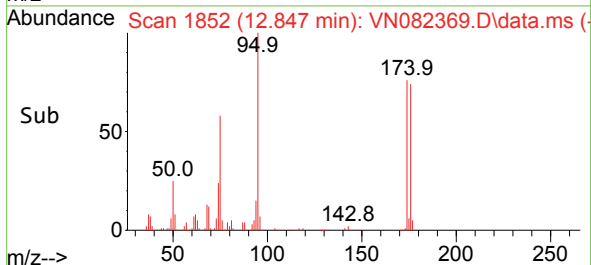
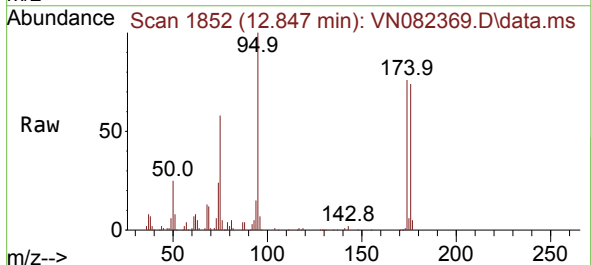


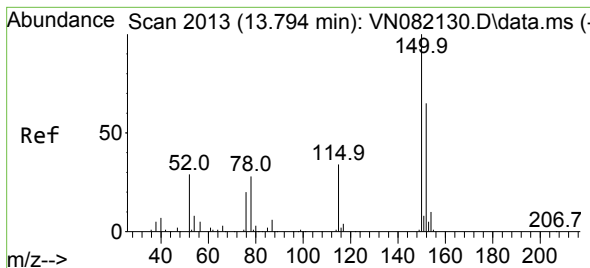
Tgt Ion:117 Resp: 307262
Ion Ratio Lower Upper
117 100
82 61.7 44.6 66.8
119 31.3 25.9 38.9



#71
Bromoform
Concen: 0.973 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Tgt Ion:173 Resp: 491
Ion Ratio Lower Upper
173 100
175 1225.3 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

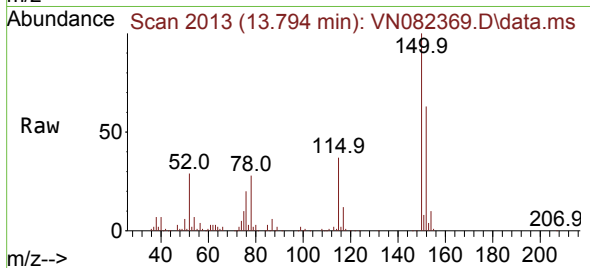
Lab File: VN082369.D

Acq: 29 May 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :



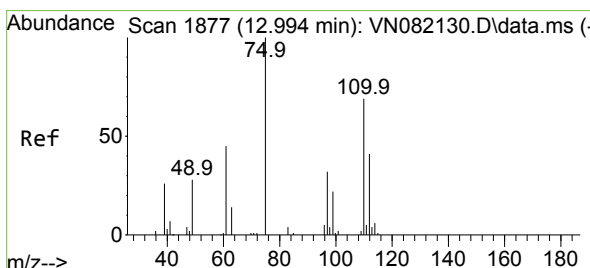
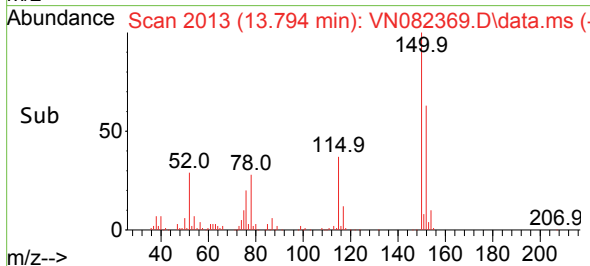
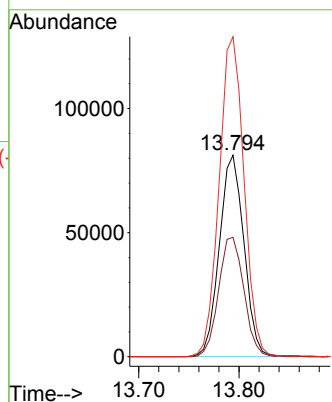
Tgt Ion:152 Resp: 138279

Ion Ratio Lower Upper

152 100

115 60.8 30.4 91.3

150 161.0 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 30.037 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082369.D

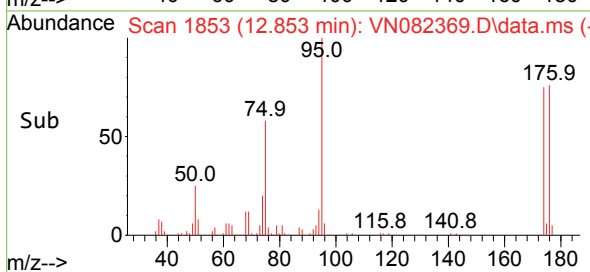
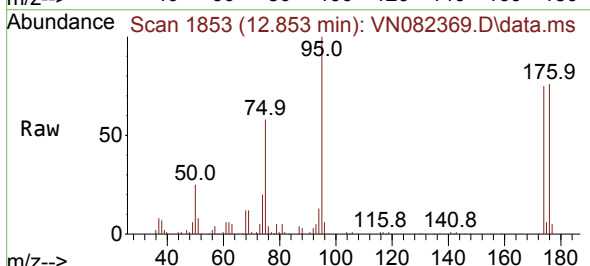
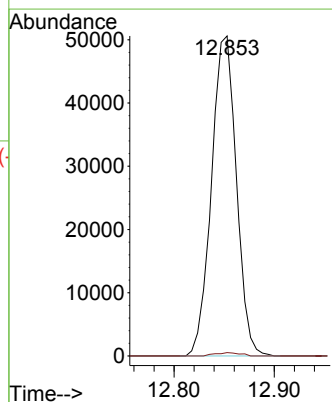
Acq: 29 May 2024 14:40

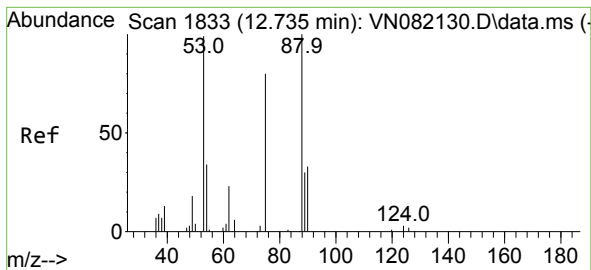
Tgt Ion: 75 Resp: 87422

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#

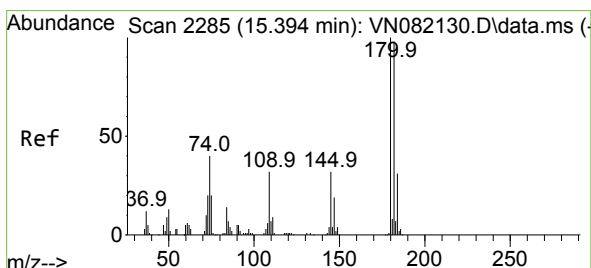
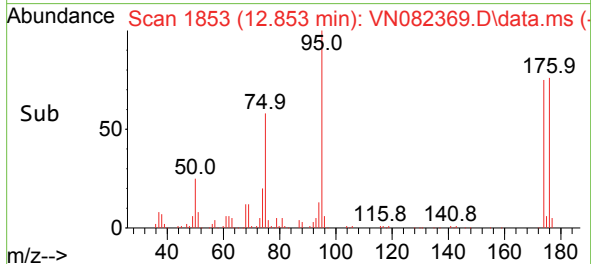
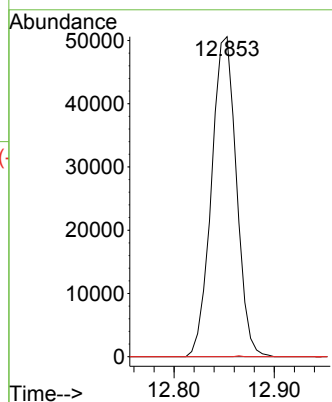
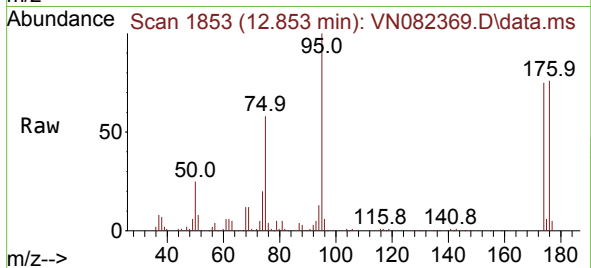




#81
trans-1,4-Dichloro-2-butene
Concen: 70.256 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

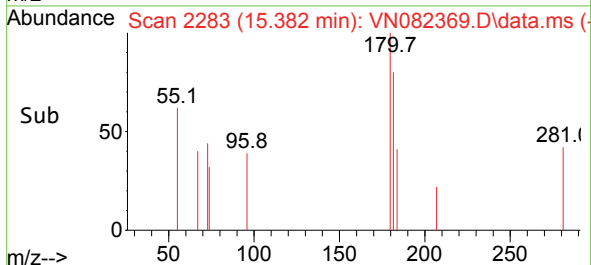
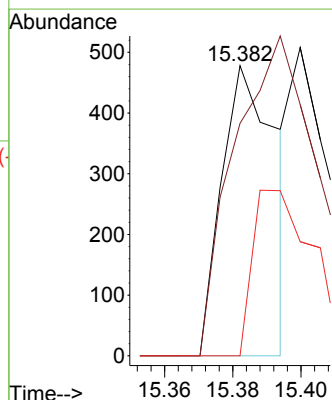
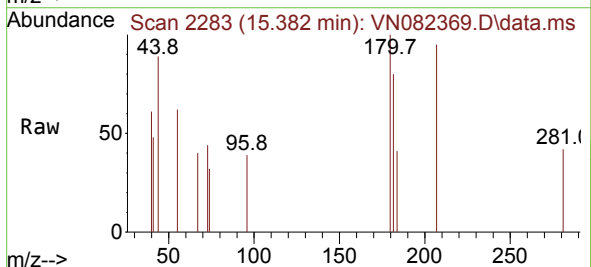
Instrument :
MSVOA_N
ClientSampleId :

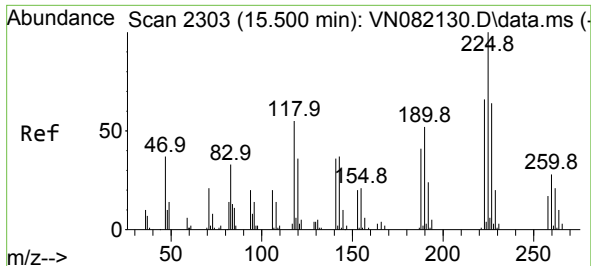
Tgt Ion: 75 Resp: 87422
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.1 39.1 58.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.212 ug/l
RT: 15.382 min Scan# 2283
Delta R.T. -0.012 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

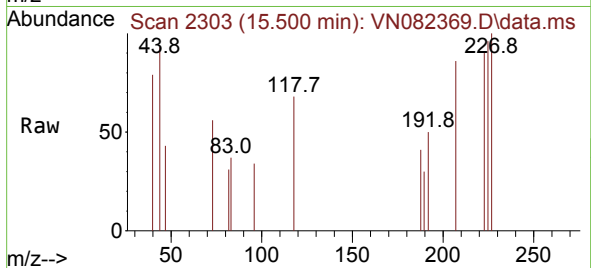
Tgt Ion:180 Resp: 534
Ion Ratio Lower Upper
180 100
182 175.7 46.7 140.0#
145 60.3 16.2 48.6#



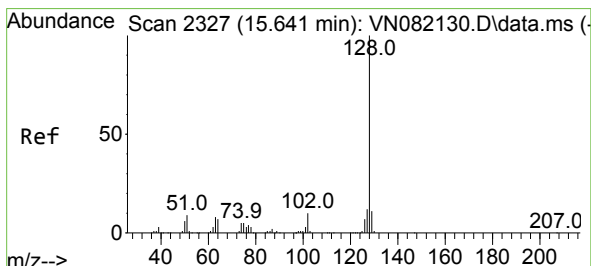
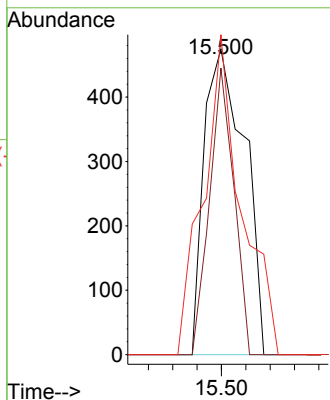
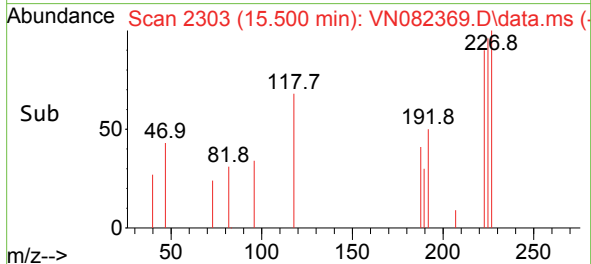


#94
Hexachlorobutadiene
Concen: 0.494 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :

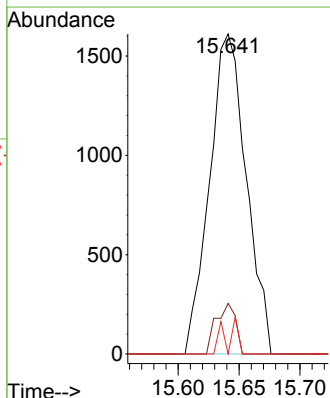
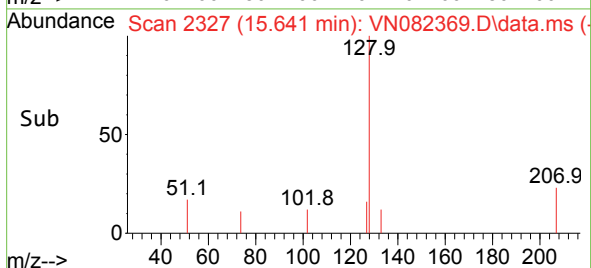
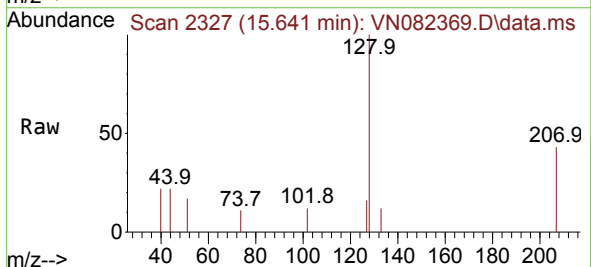


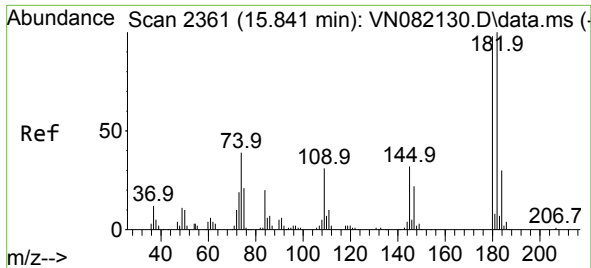
Tgt Ion:225 Resp: 546
Ion Ratio Lower Upper
225 100
223 56.8 31.1 93.2
227 98.4 30.6 91.6#



#95
Naphthalene
Concen: 0.428 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN082369.D
Acq: 29 May 2024 14:40

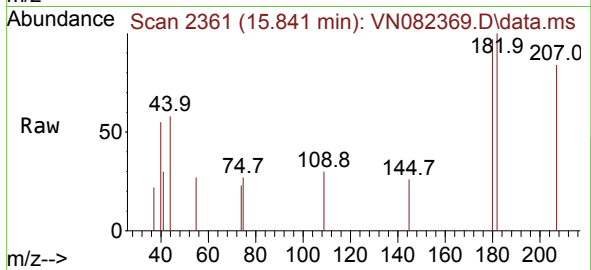
Tgt Ion:128 Resp: 3378
Ion Ratio Lower Upper
128 100
127 8.5 10.1 15.1#
129 1.7 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.345 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN082369.D
 Acq: 29 May 2024 14:40

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	869
Ion	Ratio	Lower	Upper
180	100		
182	101.4	46.0	137.8
145	30.0	17.1	51.3

