

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052124\
 Data File : VN082238.D
 Acq On : 21 May 2024 14:16
 Operator : JC\MD
 Sample : P2538-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A852

Quant Time: May 22 01:26:48 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)

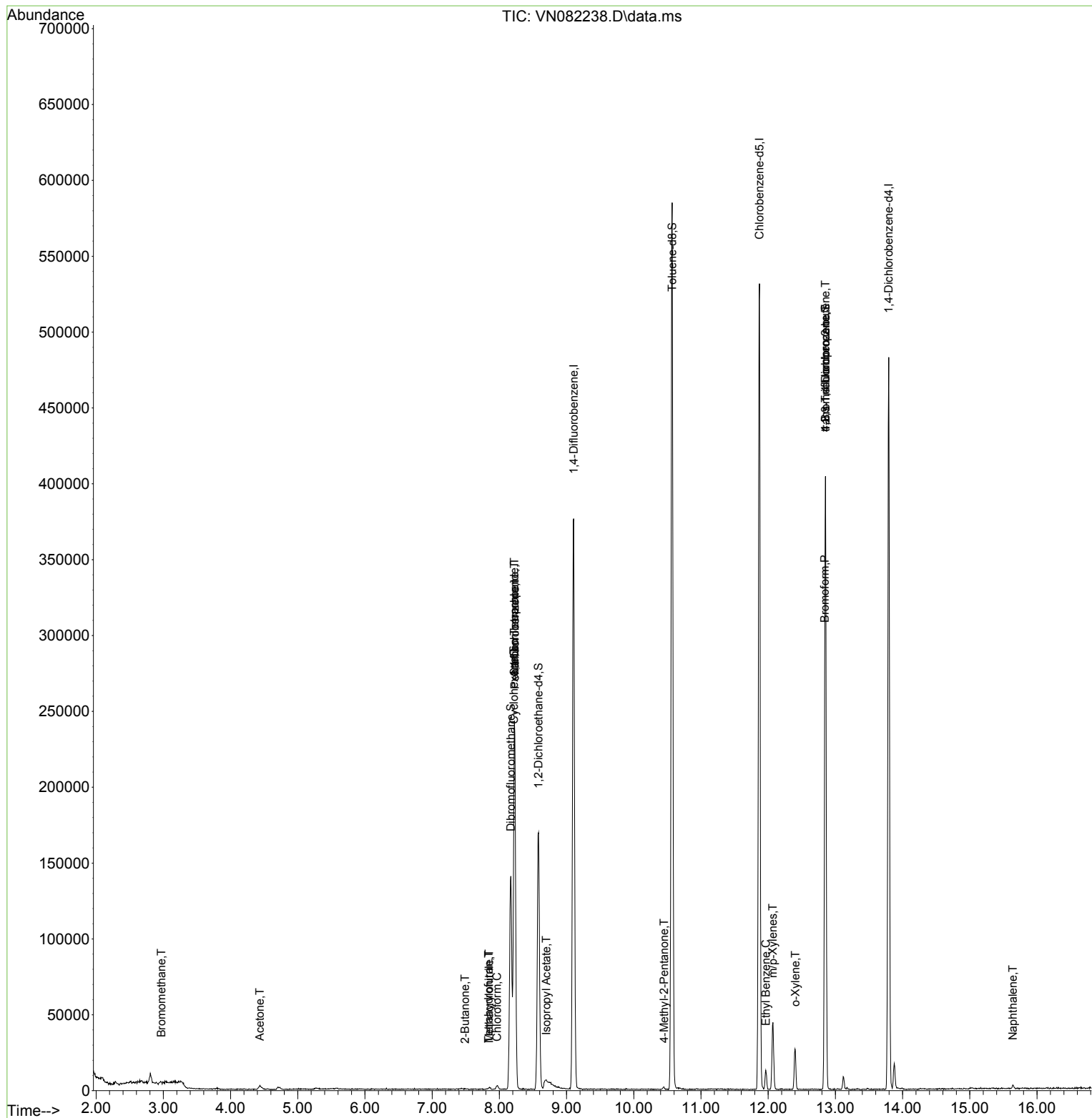
Internal Standards						
1) Pentafluorobenzene	8.229	168	168657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	299928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	282740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142257	53.417	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.840%	
35) Dibromofluoromethane	8.171	113	97887	53.055	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.100%	
50) Toluene-d8	10.570	98	381779	53.972	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.940%	
62) 4-Bromofluorobenzene	12.853	95	128525	50.906	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 101.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	745	0.500	ug/l #	75
16) Acetone	4.436	43	5369	4.915	ug/l	99
25) 2-Butanone	7.488	43	682	0.412	ug/l #	43
29) Tetrahydrofuran	7.841	42	1210	1.138	ug/l #	48
30) Chloroform	7.965	83	2740	0.676	ug/l	99
31) Cyclohexane	8.218	56	5010	1.178	ug/l #	52
36) 1,1-Dichloropropene	8.224	75	15729	5.083	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18627	5.938	ug/l #	17
41) Methacrylonitrile	7.847	41	669	0.328	ug/l #	23
43) Isopropyl Acetate	8.700	43	8068	1.315	ug/l #	52
51) 4-Methyl-2-Pentanone	10.453	43	1503	0.431	ug/l #	67
67) Ethyl Benzene	11.965	91	9316	0.834	ug/l	95
68) m/p-Xylenes	12.070	106	12749	3.113	ug/l	90
69) o-Xylene	12.406	106	6941	1.750	ug/l	82
71) Bromoform	12.841	173	416	0.952	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	76028	30.168	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76028	70.563	ug/l #	12
95) Naphthalene	15.641	128	2761	0.404	ug/l #	84

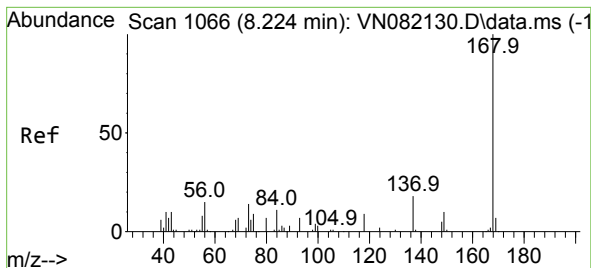
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN082238.D

Acq: 21 May 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

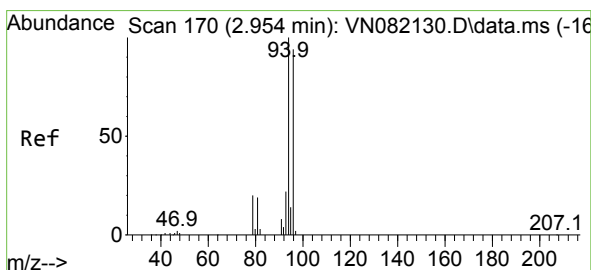
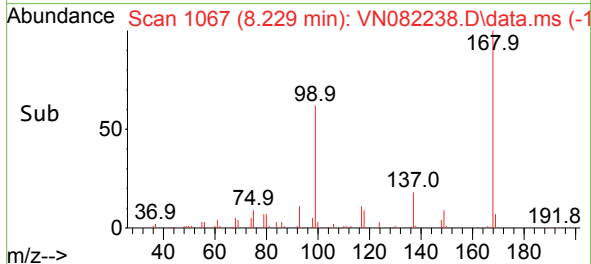
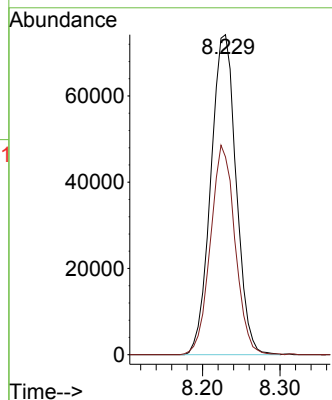
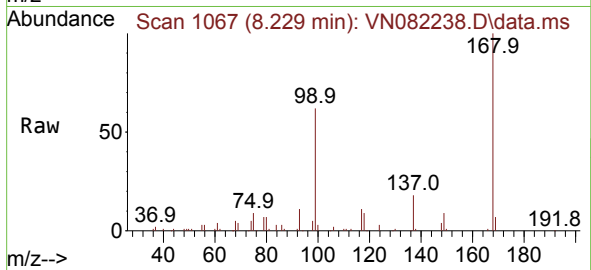
A852

Tgt Ion:168 Resp: 168657

Ion Ratio Lower Upper

168 100

99 61.8 48.2 72.4



#5

Bromomethane

Concen: 0.500 ug/l

RT: 2.971 min Scan# 173

Delta R.T. 0.018 min

Lab File: VN082238.D

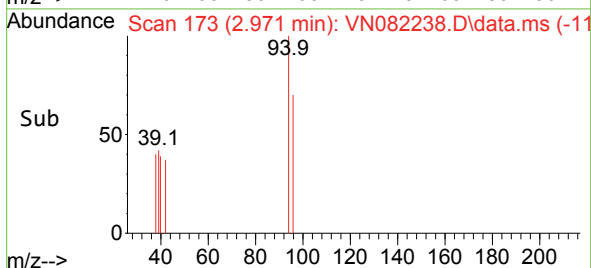
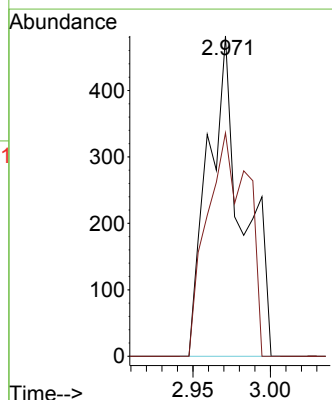
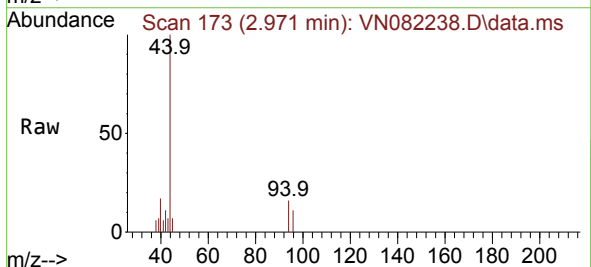
Acq: 21 May 2024 14:16

Tgt Ion: 94 Resp: 745

Ion Ratio Lower Upper

94 100

96 69.7 74.8 112.2#

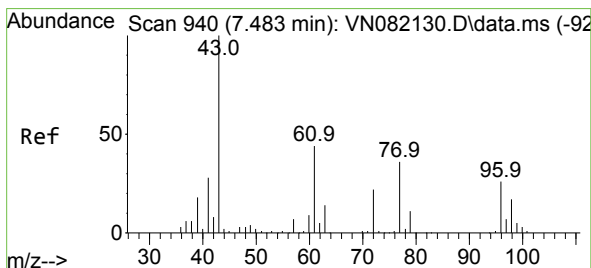
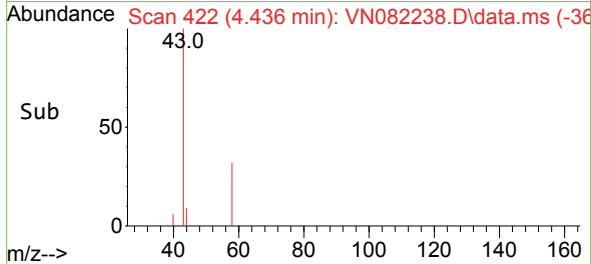
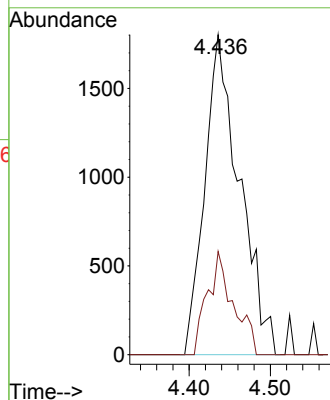
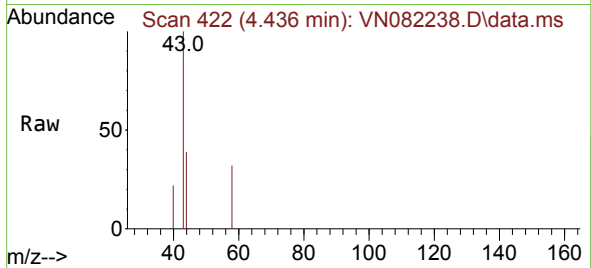




#16
Acetone
Concen: 4.915 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

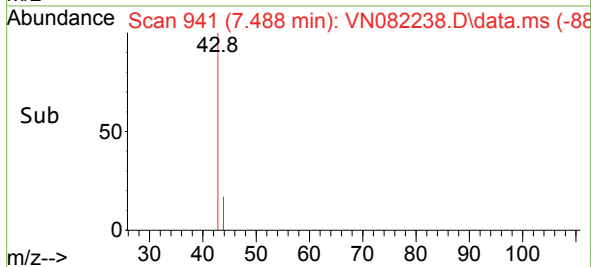
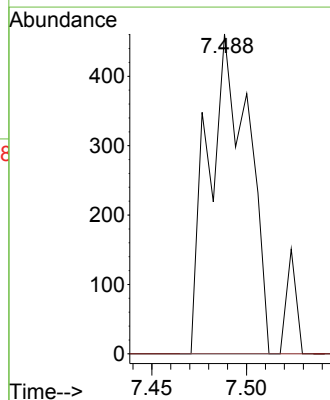
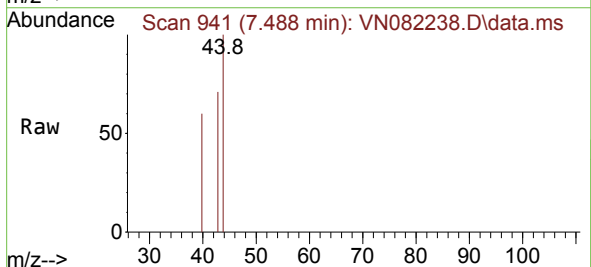
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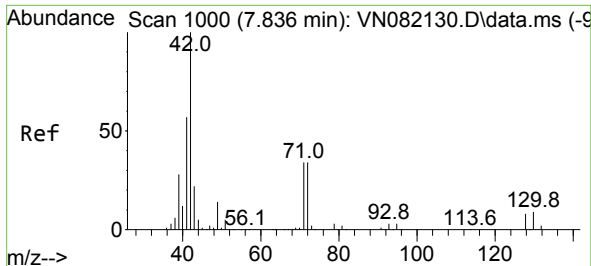
Tgt Ion: 43 Resp: 5369
Ion Ratio Lower Upper
43 100
58 32.3 25.2 37.8



#25
2-Butanone
Concen: 0.412 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#





#29

Tetrahydrofuran

Concen: 1.138 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.005 min

Lab File: VN082238.D

Acq: 21 May 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

A852

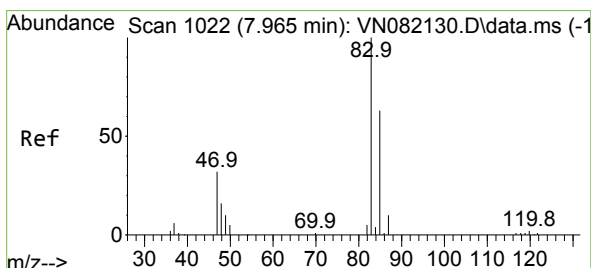
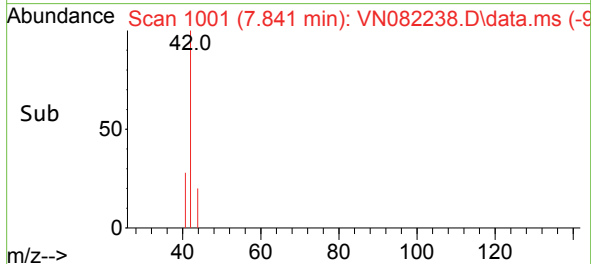
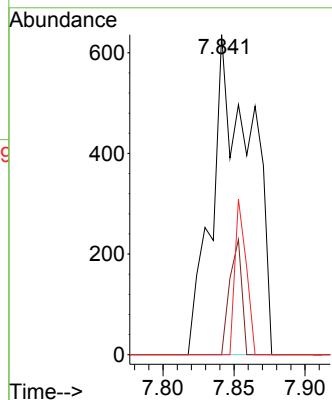
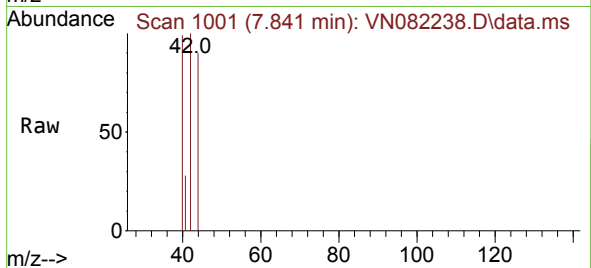
Tgt Ion: 42 Resp: 1210

Ion Ratio Lower Upper

42 100

72 11.1 39.3 58.9#

71 14.0 37.4 56.0#



#30

Chloroform

Concen: 0.676 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN082238.D

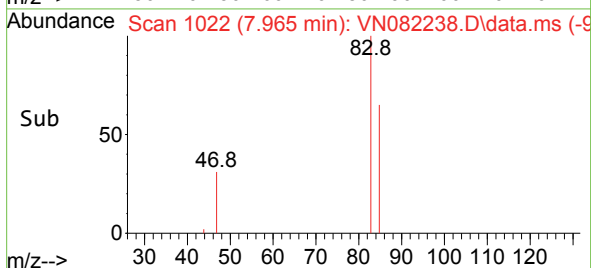
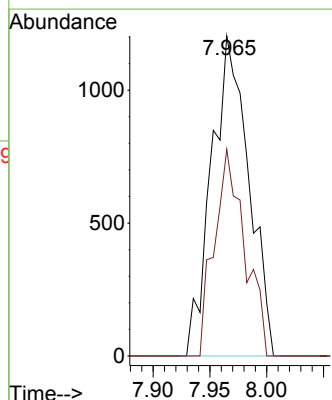
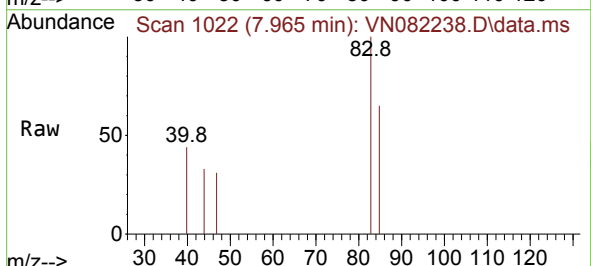
Acq: 21 May 2024 14:16

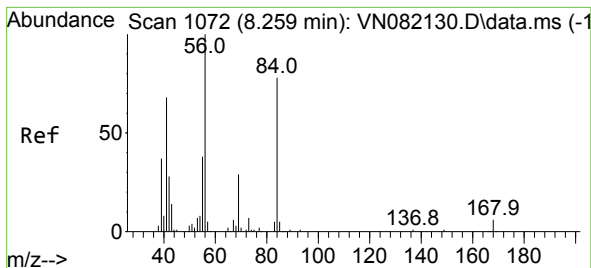
Tgt Ion: 83 Resp: 2740

Ion Ratio Lower Upper

83 100

85 64.5 50.7 76.1





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.041 min

Lab File: VN082238.D

Acq: 21 May 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

A852

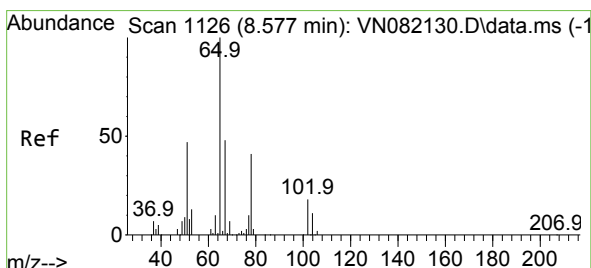
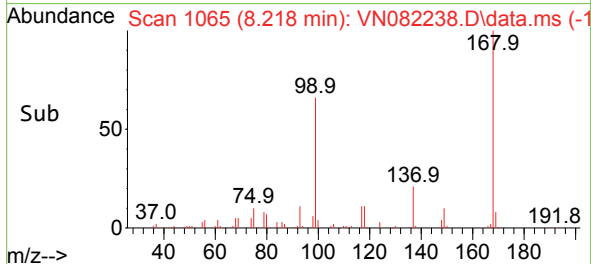
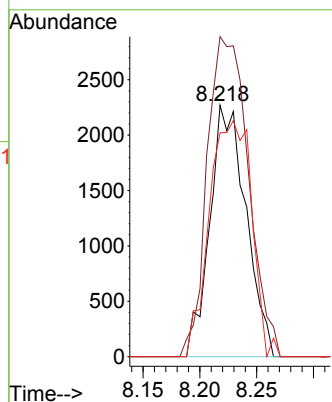
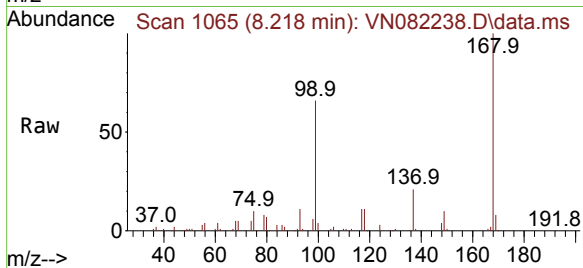
Tgt Ion: 56 Resp: 5010

Ion Ratio Lower Upper

56 100

69 127.3 24.4 36.6#

84 89.1 77.0 115.4



#33

1,2-Dichloroethane-d4

Concen: 53.417 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082238.D

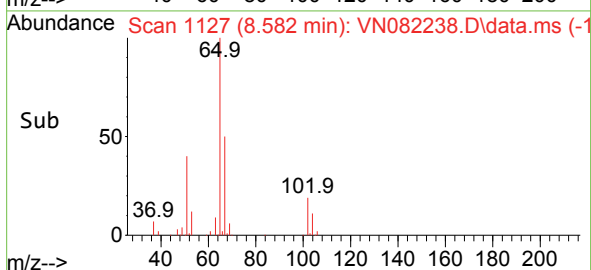
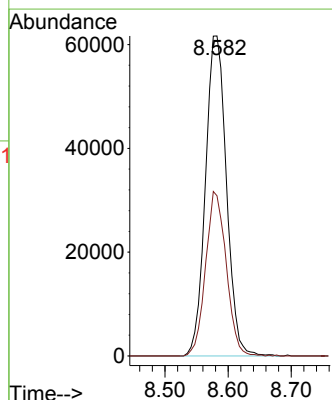
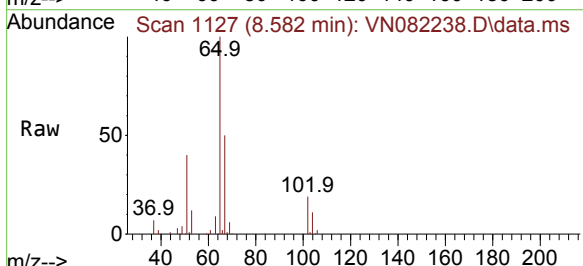
Acq: 21 May 2024 14:16

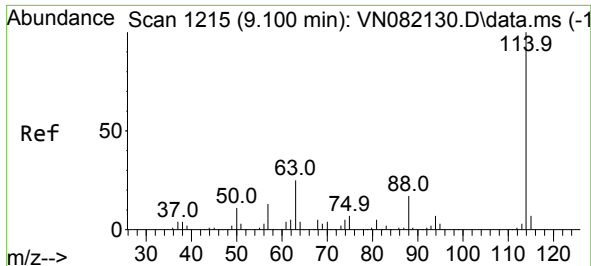
Tgt Ion: 65 Resp: 142257

Ion Ratio Lower Upper

65 100

67 50.5 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: VN082238.D

Acq: 21 May 2024 14:16

Instrument :

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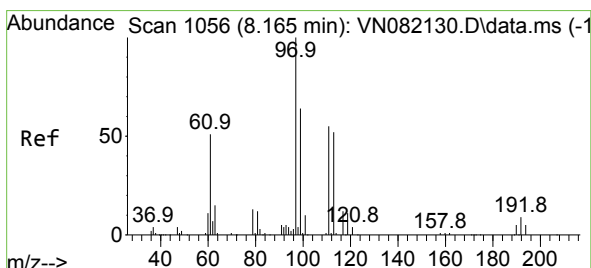
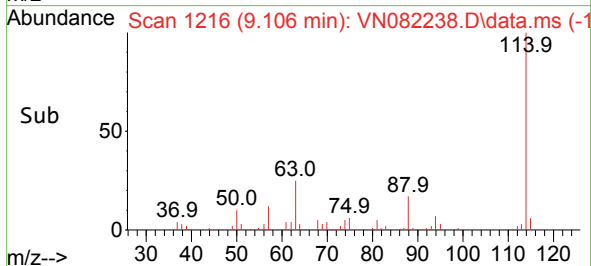
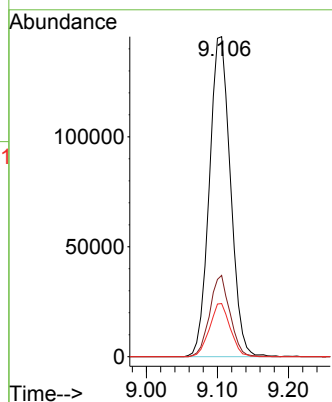
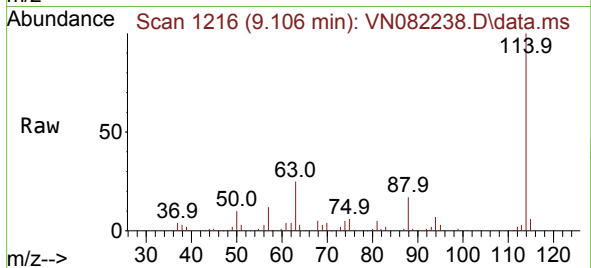
Tgt Ion:114 Resp: 299928

Ion Ratio Lower Upper

114 100

63 25.4 0.0 41.0

88 16.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.055 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082238.D

Acq: 21 May 2024 14:16

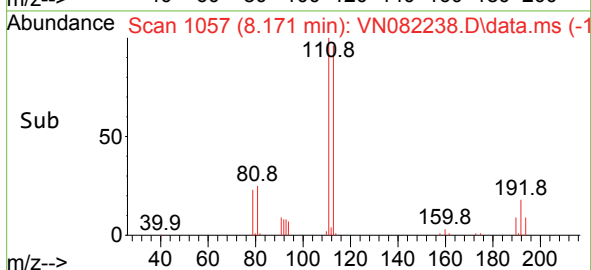
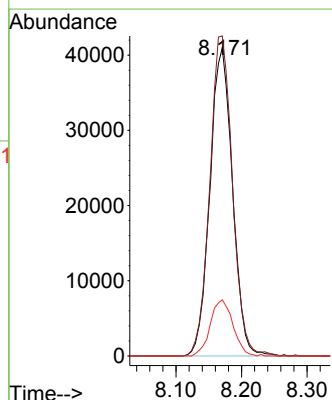
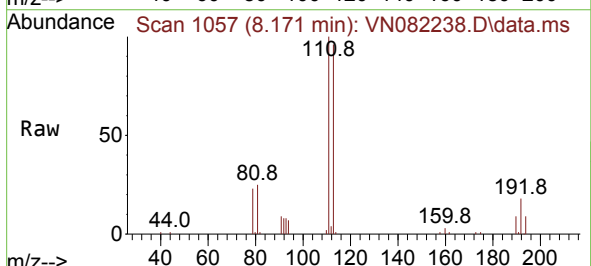
Tgt Ion:113 Resp: 97887

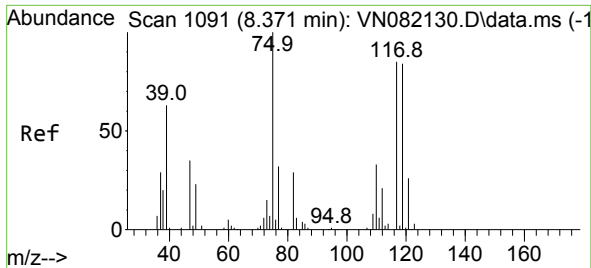
Ion Ratio Lower Upper

113 100

111 104.5 83.4 125.2

192 18.2 14.0 21.0

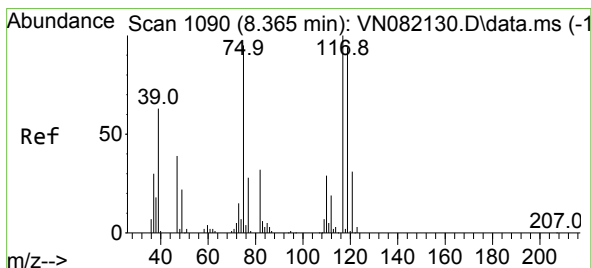
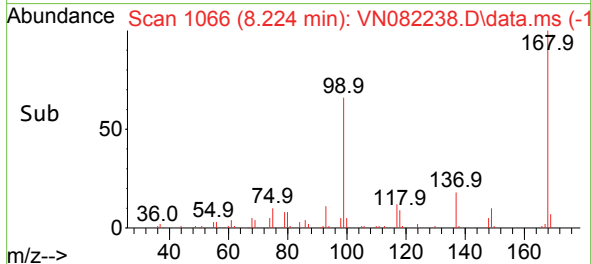
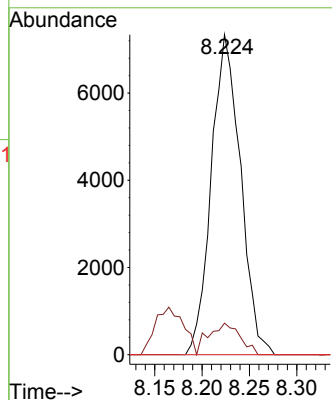
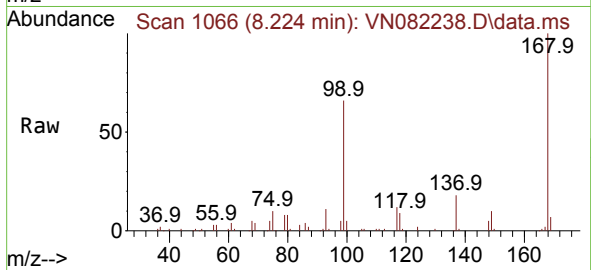




#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

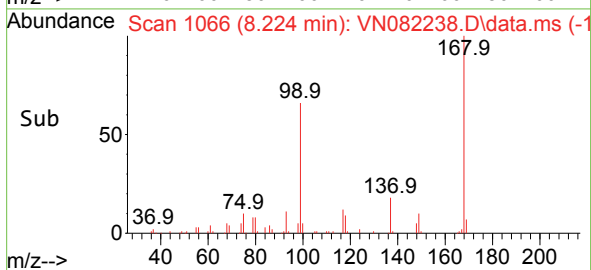
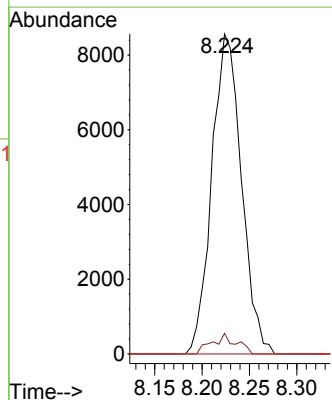
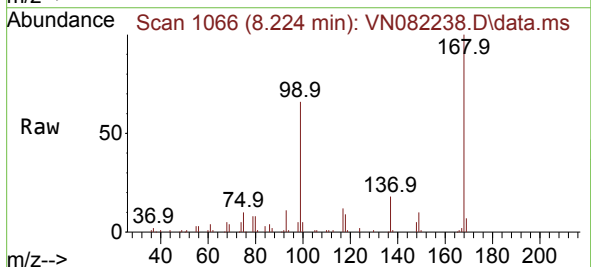
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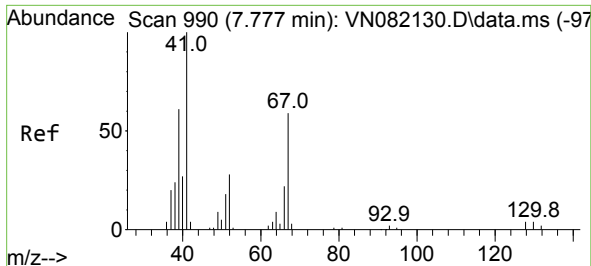
Tgt Ion: 75 Resp: 15729
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.938 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion: 117 Resp: 18627
Ion Ratio Lower Upper
117 100
119 6.5 76.5 114.7#
121 0.0 23.9 35.9#

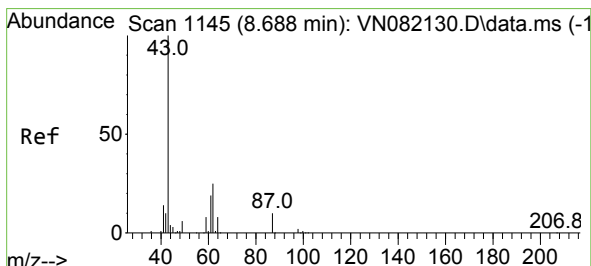
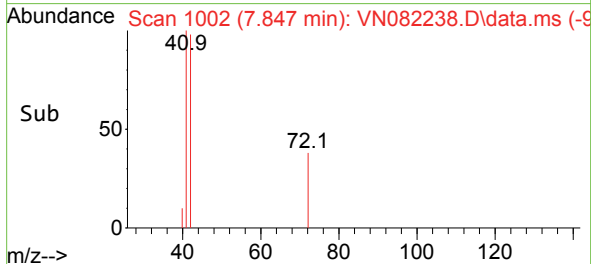
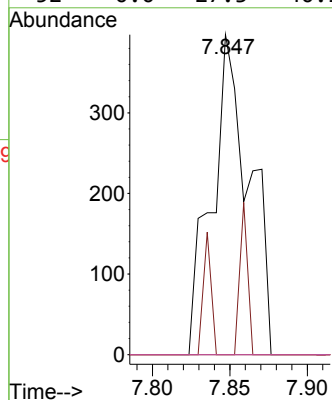
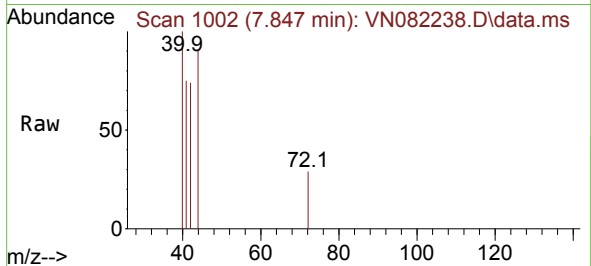




#41
Methacrylonitrile
Concen: 0.328 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

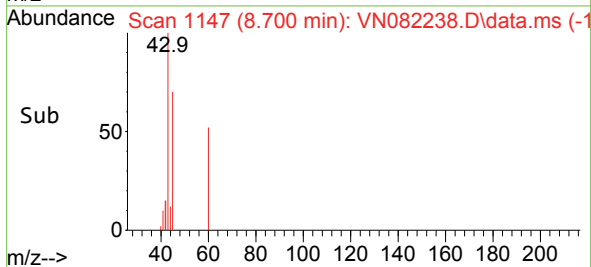
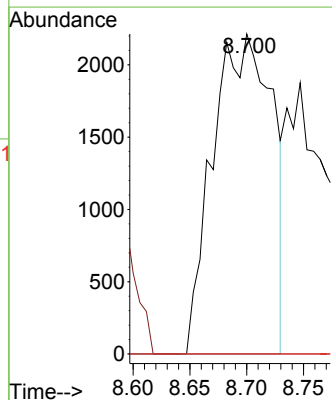
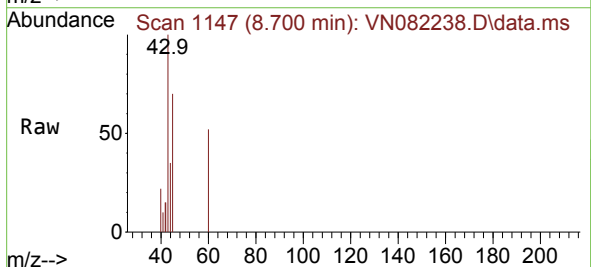
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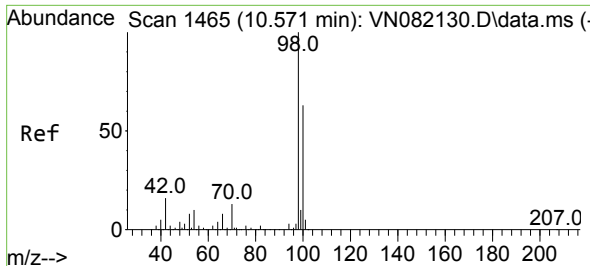
Tgt Ion: 41 Resp: 669
Ion Ratio Lower Upper
41 100
39 10.0 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#43
Isopropyl Acetate
Concen: 1.315 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.012 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion: 43 Resp: 8068
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#

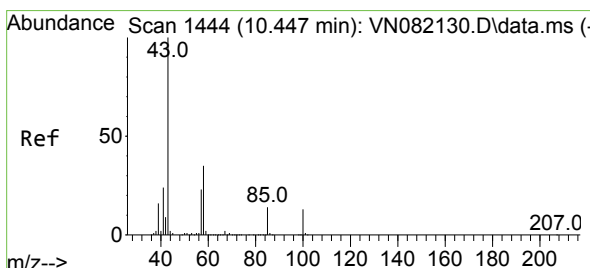
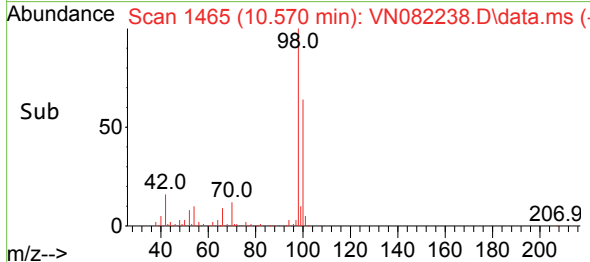
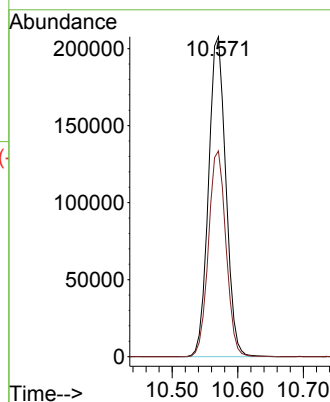
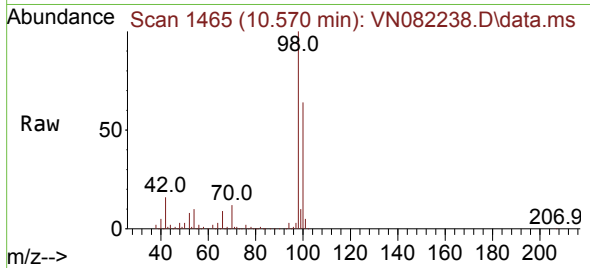




#50
Toluene-d8
Concen: 53.972 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

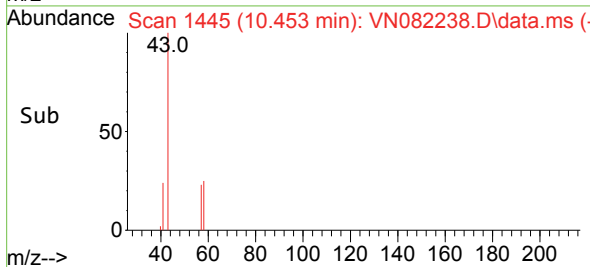
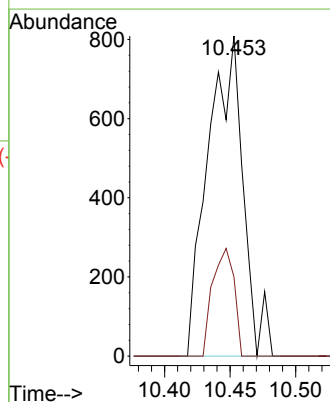
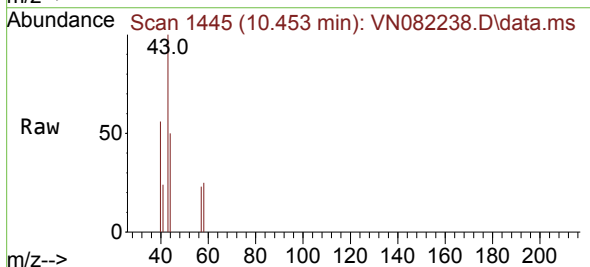
Instrument :
MSVOA_N
ClientSampleId :
A852

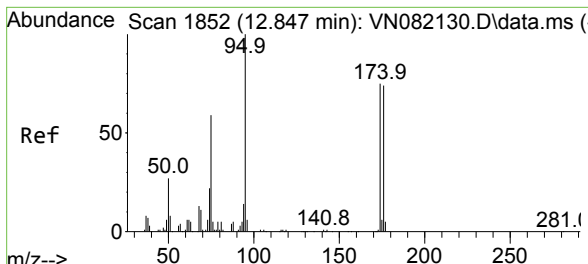
Tgt Ion: 98 Resp: 381779
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion: 43 Resp: 1503
Ion Ratio Lower Upper
43 100
58 20.6 33.2 49.8#

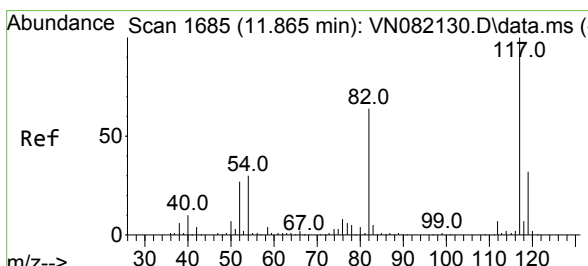
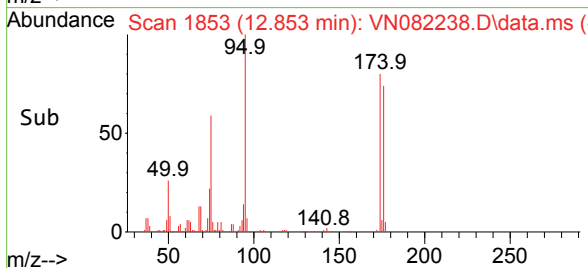
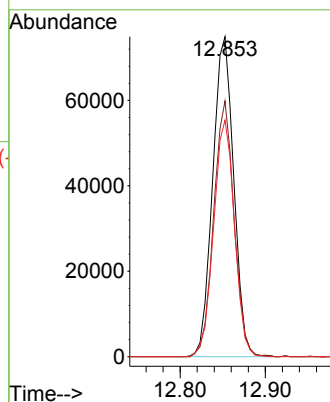
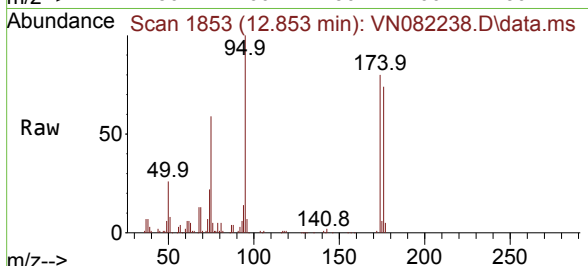




#62
4-Bromofluorobenzene
Concen: 50.906 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

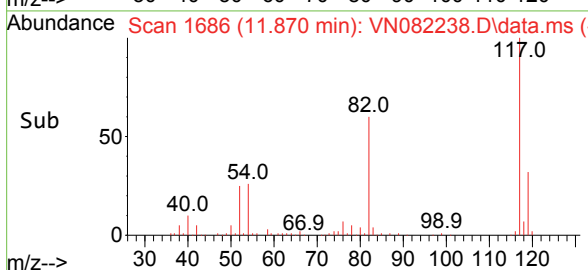
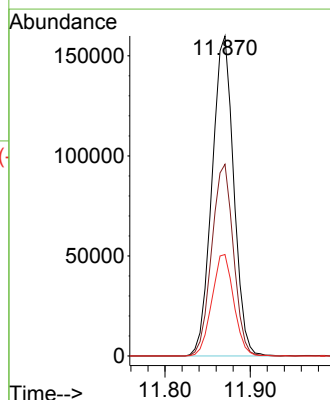
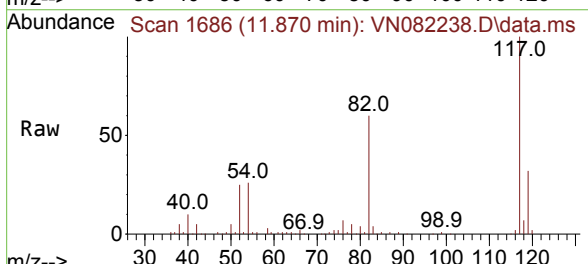
Instrument :
MSVOA_N
ClientSampleId :
A852

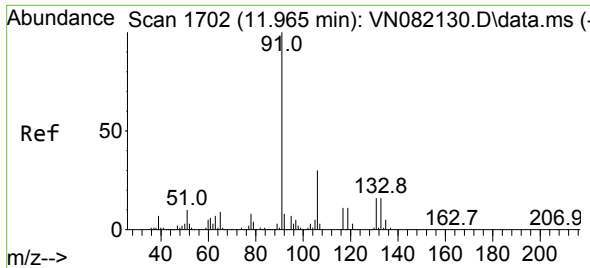
Tgt Ion: 95 Resp: 128525
Ion Ratio Lower Upper
95 100
174 77.6 0.0 160.6
176 73.1 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion: 117 Resp: 282740
Ion Ratio Lower Upper
117 100
82 59.9 44.6 66.8
119 31.7 25.9 38.9

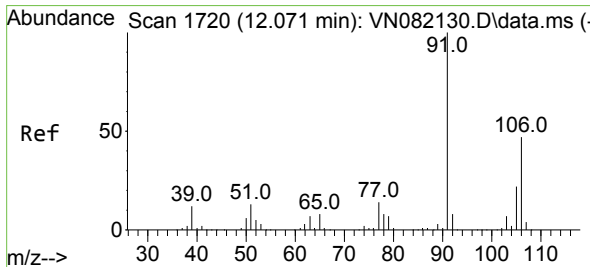
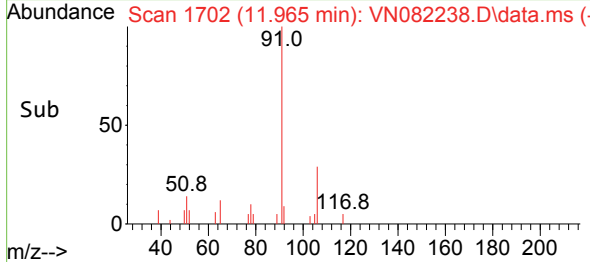
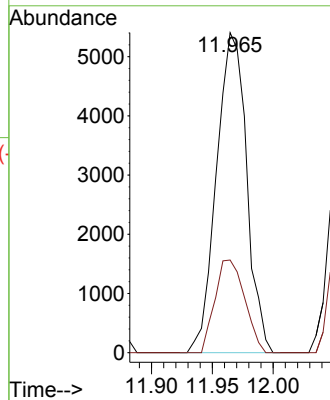
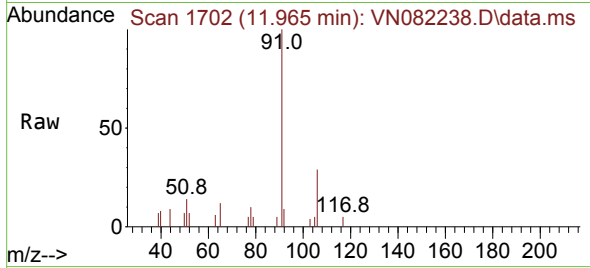




#67
Ethyl Benzene
Concen: 0.834 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

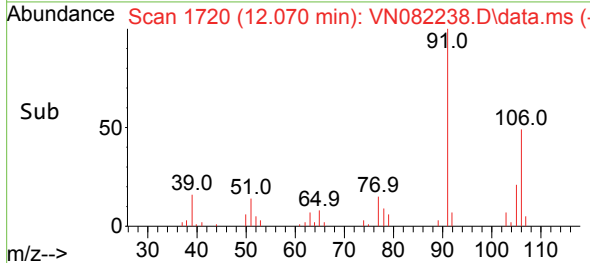
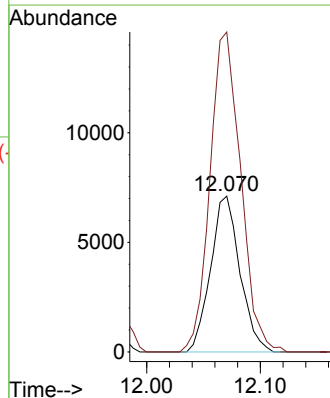
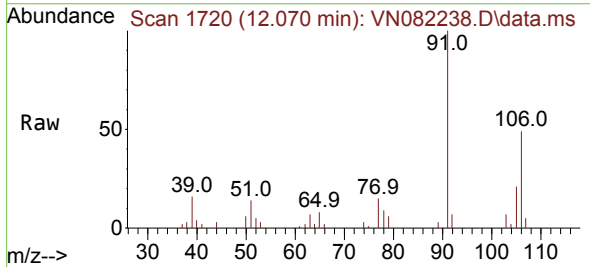
Instrument :
MSVOA_N
ClientSampleId :
A852

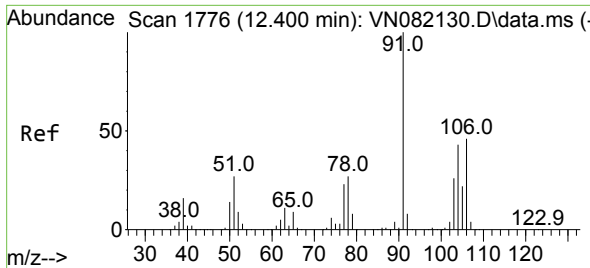
Tgt Ion: 91 Resp: 9316
Ion Ratio Lower Upper
91 100
106 28.9 25.3 37.9



#68
m/p-Xylenes
Concen: 3.113 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion: 106 Resp: 12749
Ion Ratio Lower Upper
106 100
91 215.0 159.4 239.0

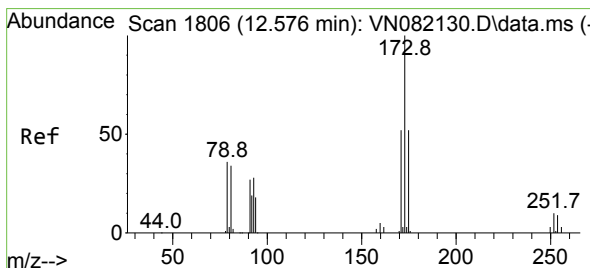
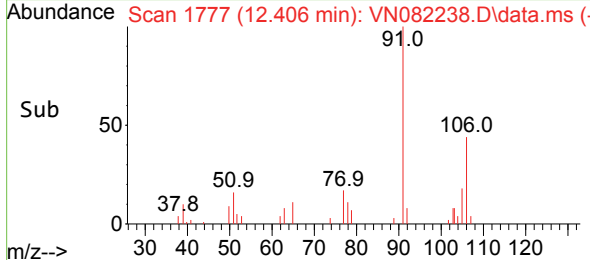
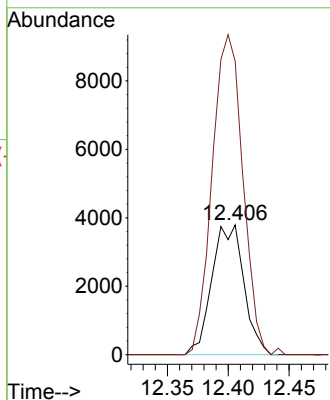
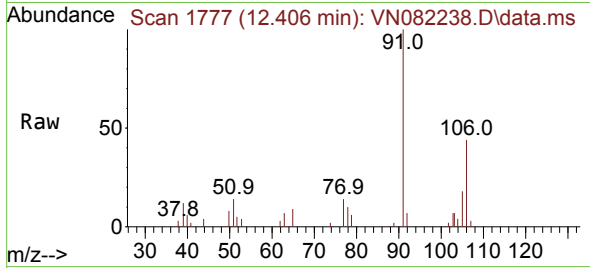




#69
o-Xylene
Concen: 1.750 ug/l
RT: 12.406 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

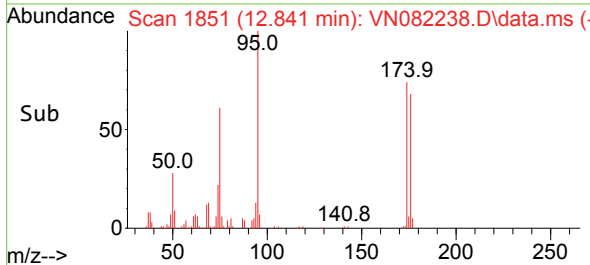
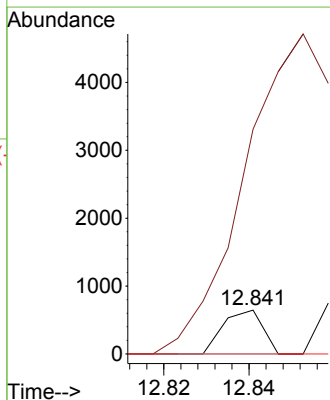
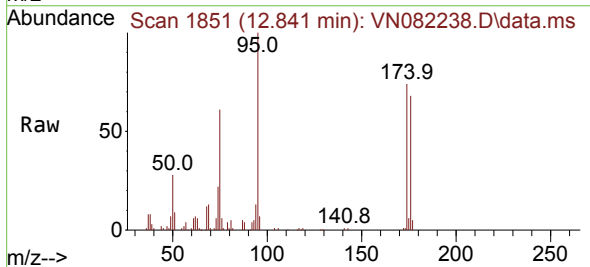
Instrument :
MSVOA_N
ClientSampleId :
A852

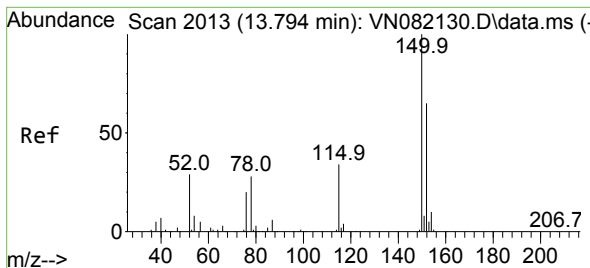
Tgt Ion:106 Resp: 6941
Ion Ratio Lower Upper
106 100
91 237.0 104.7 314.1



#71
Bromoform
Concen: 0.952 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion:173 Resp: 416
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# 2013

Delta R.T. -0.000 min

Lab File: VN082238.D

Acq: 21 May 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

A852

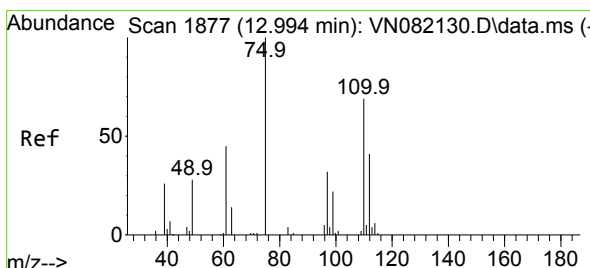
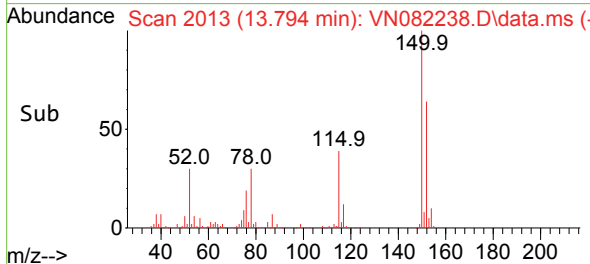
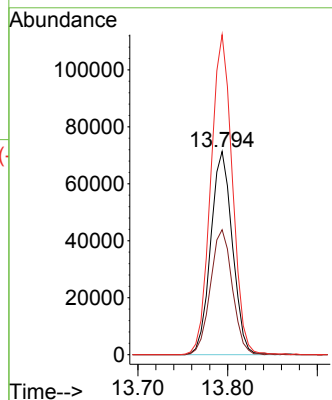
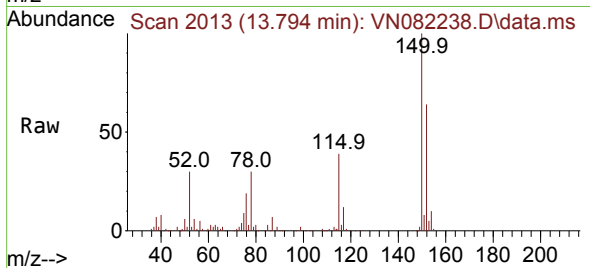
Tgt Ion:152 Resp: 119734

Ion Ratio Lower Upper

152 100

115 62.2 30.4 91.3

150 156.6 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 30.168 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082238.D

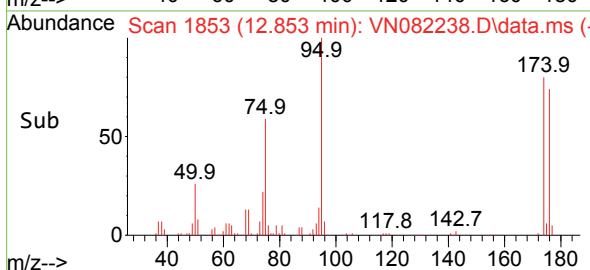
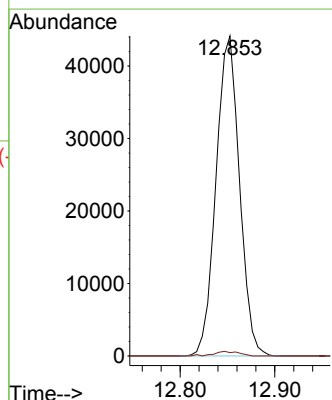
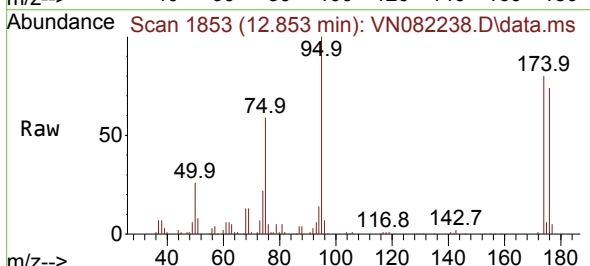
Acq: 21 May 2024 14:16

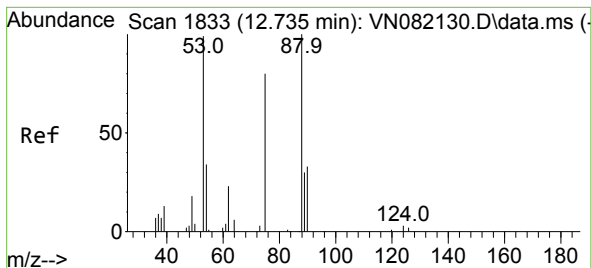
Tgt Ion: 75 Resp: 76028

Ion Ratio Lower Upper

75 100

77 1.5 90.5 271.3#

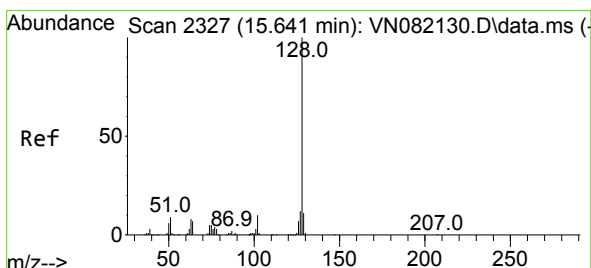
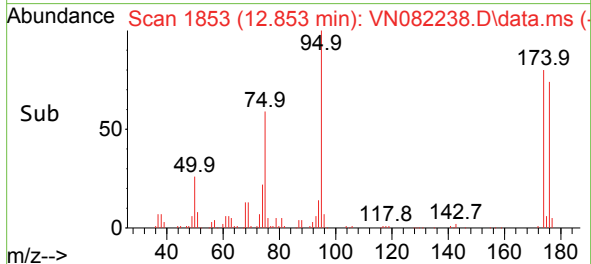
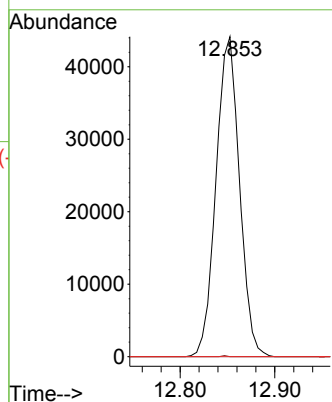
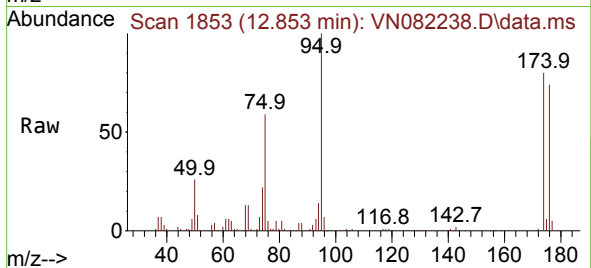




#81
trans-1,4-Dichloro-2-butene
Concen: 70.563 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.117 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Instrument :
MSVOA_N
ClientSampleId :
A852

Tgt Ion: 75 Resp: 76028
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#



#95
Naphthalene
Concen: 0.404 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082238.D
Acq: 21 May 2024 14:16

Tgt Ion: 128 Resp: 2761
Ion Ratio Lower Upper
128 100
127 6.7 10.1 15.1#
129 4.5 8.9 13.3#

