

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
 Data File : VN082004.D
 Acq On : 06 May 2024 12:47
 Operator : JC\MD
 Sample : VN0506WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 07 00:27:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

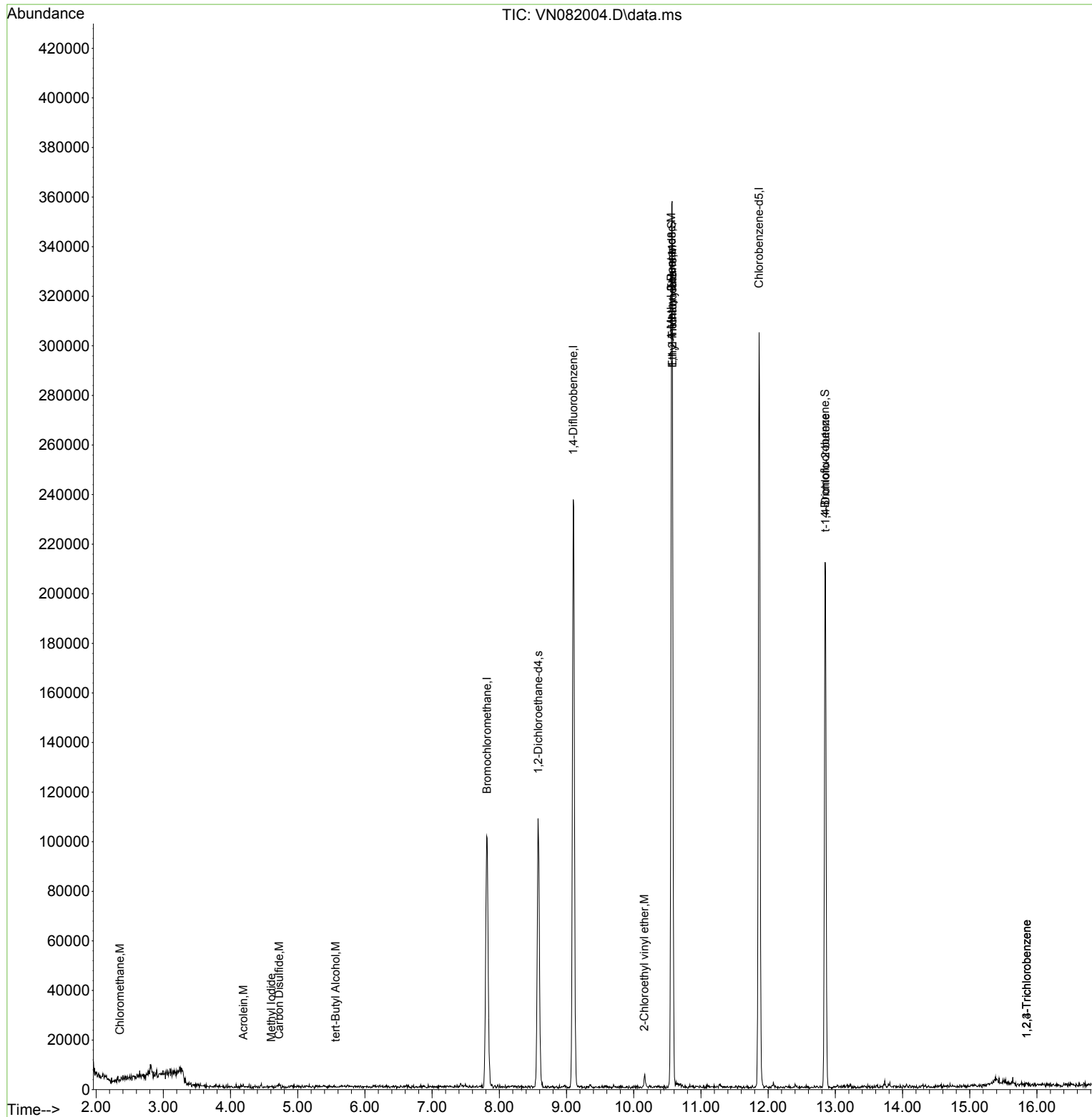
Internal Standards						
1) Bromochloromethane	7.818	128	32417	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	199078	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	162898	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	84589	31.166	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.900%
60) 4-Bromofluorobenzene	12.847	95	75354	27.796	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.667%
63) Toluene-d8	10.565	98	247116	31.943	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.467%
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	759	0.356	ug/l #	43
11) Methyl Iodide	4.606	142	688	0.381	ug/l #	34
13) Acrolein	4.189	56	259	0.492	ug/l #	29
16) Carbon Disulfide	4.724	76	1775	0.324	ug/l #	78
23) tert-Butyl Alcohol	5.565	59	119	0.256	ug/l #	100
50) 1,1,2-Trichloroethane	10.577	97	7243	3.425	ug/l #	1
51) Ethyl methacrylate	10.577	69	964	0.242	ug/l	89
55) 2-Chloroethyl vinyl ether	10.159	63	1806	0.905	ug/l	96
58) 4-Methyl-2-Pentanone	10.559	43	695	0.220	ug/l #	38
77) t-1,4-Dichloro-2-butene	12.853	75	41555	37.076	ug/l #	12
89) 1,2,4-Trichlorobenzene	15.847	180	457	0.231	ug/l #	43
92) 1,2,3-Trichlorobenzene	15.847	180	457	0.231	ug/l #	43

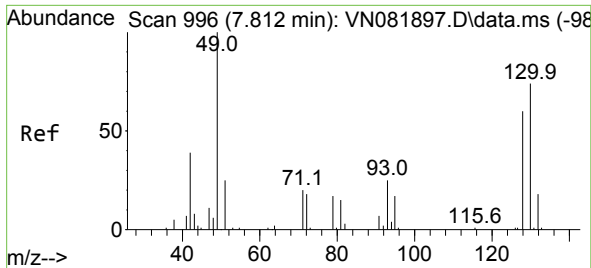
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050624\
Data File : VN082004.D
Acq On : 06 May 2024 12:47
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

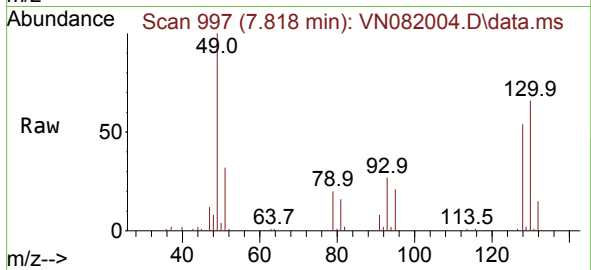
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration



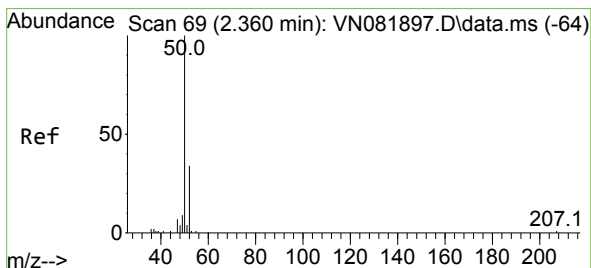
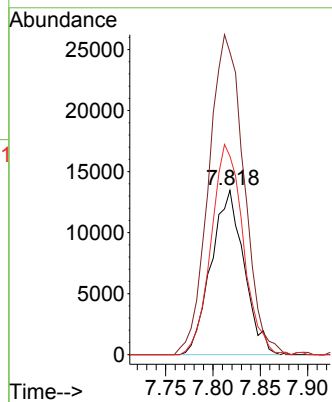
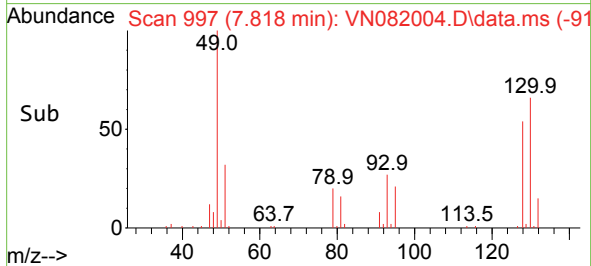


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

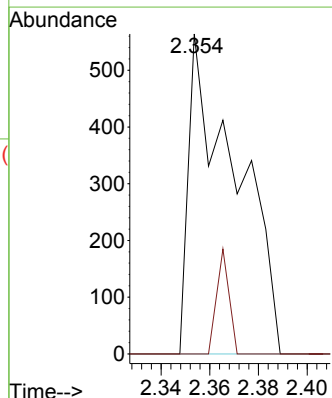
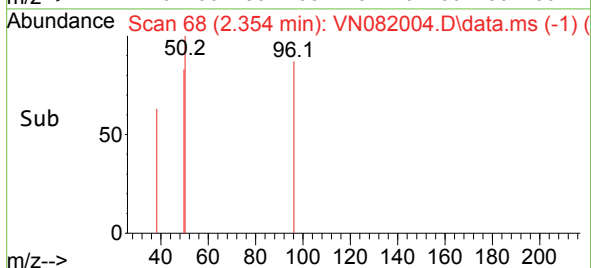
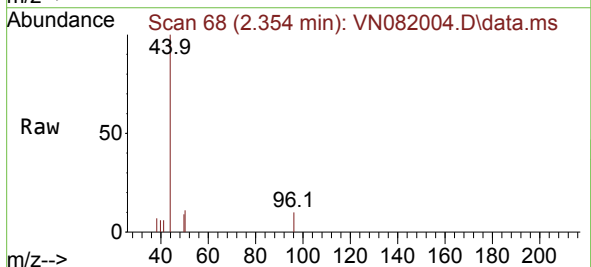


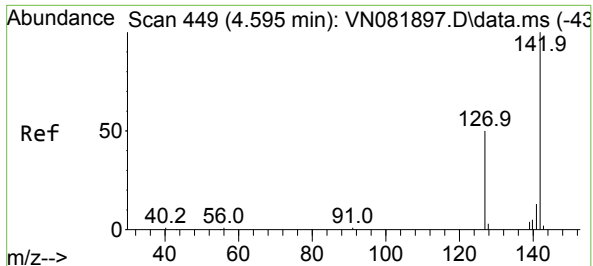
Tgt Ion:128 Resp: 32417
Ion Ratio Lower Upper
128 100
49 209.0 0.0 403.7
130 125.0 0.0 323.3



#3
Chloromethane
Concen: 0.356 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

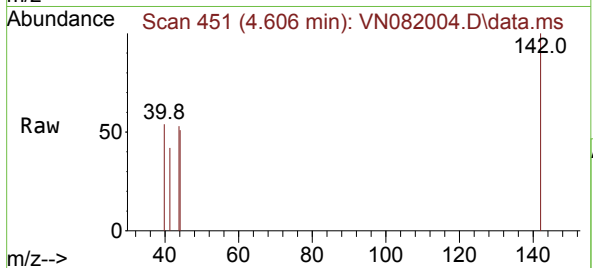
Tgt Ion: 50 Resp: 759
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



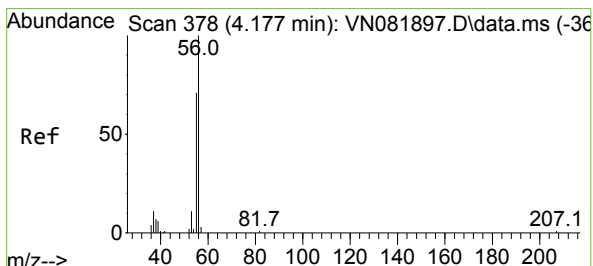
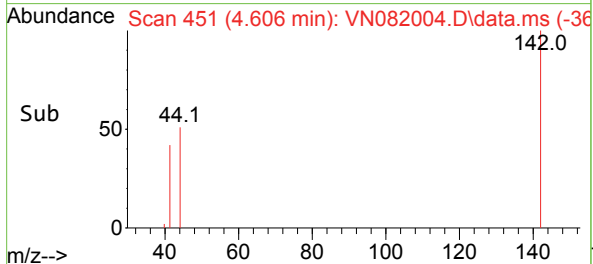
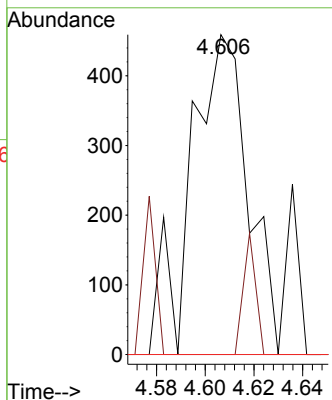


#11
Methyl Iodide
Concen: 0.381 ug/l
RT: 4.606 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

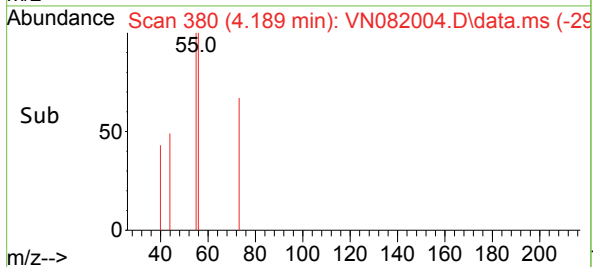
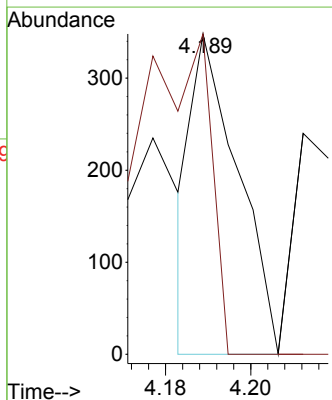
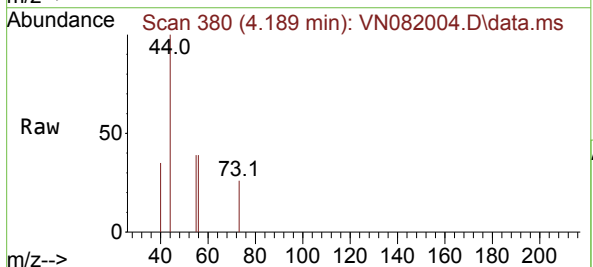


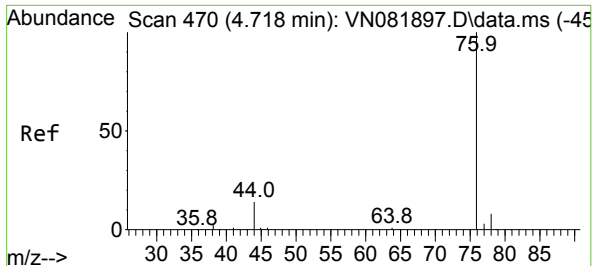
Tgt Ion:142 Resp: 688
Ion Ratio Lower Upper
142 100
127 0.0 26.3 78.9#
141 0.0 8.3 24.9#



#13
Acrolein
Concen: 0.492 ug/l
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

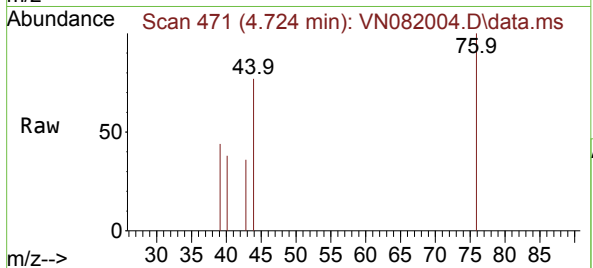
Tgt Ion: 56 Resp: 259
Ion Ratio Lower Upper
56 100
55 127.4 55.5 83.3#



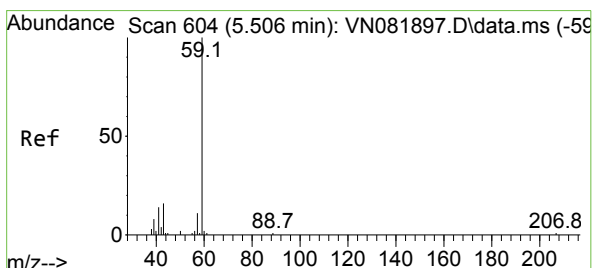
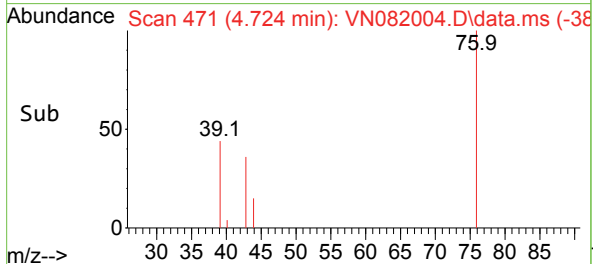
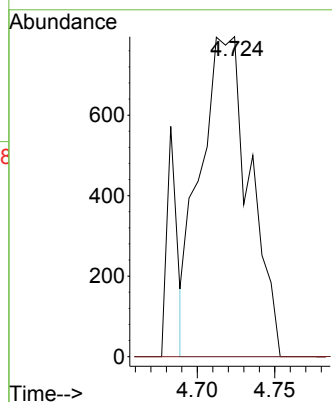


#16
Carbon Disulfide
Concen: 0.324 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

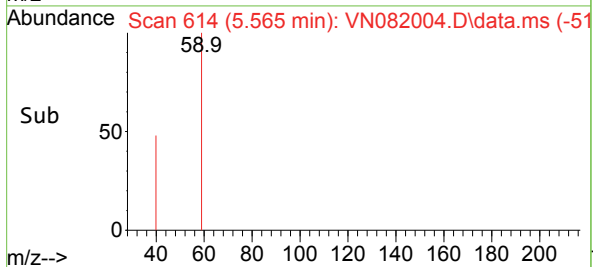
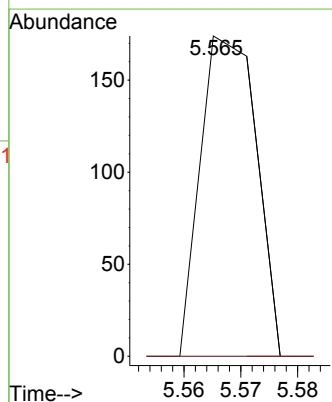
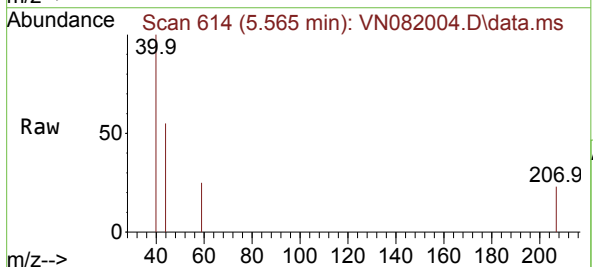


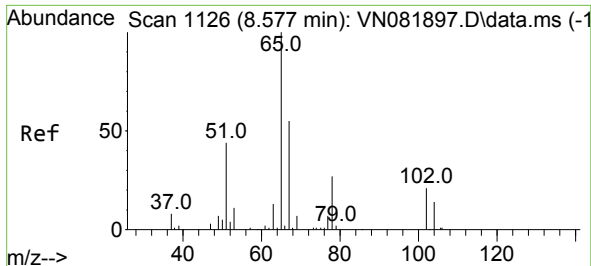
Tgt Ion: 76 Resp: 1775
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#23
tert-Butyl Alcohol
Concen: 0.256 ug/l
RT: 5.565 min Scan# 614
Delta R.T. 0.059 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
52 136.1 0.0 0.0#

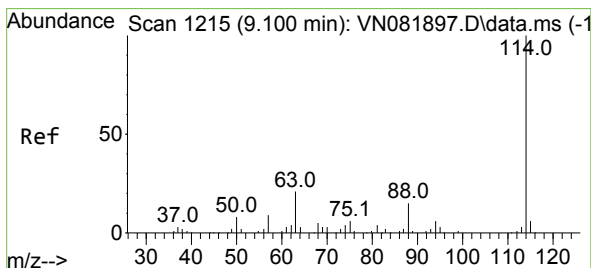
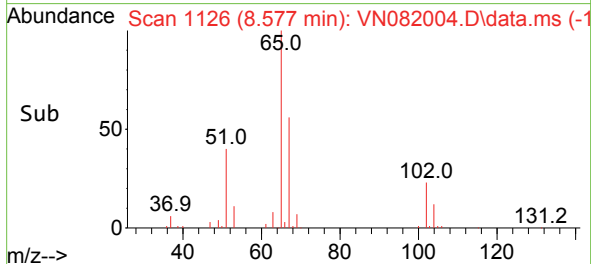
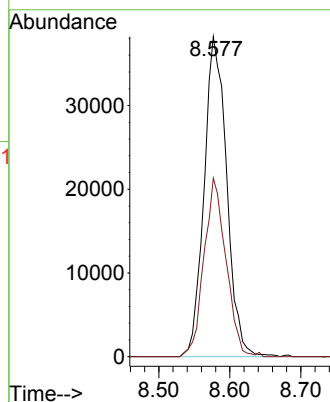
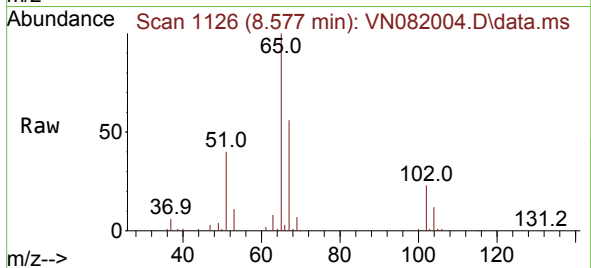




#27
1,2-Dichloroethane-d4
Concen: 31.166 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

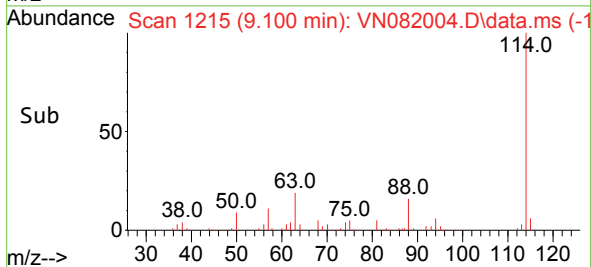
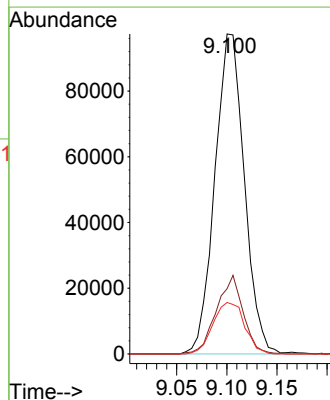
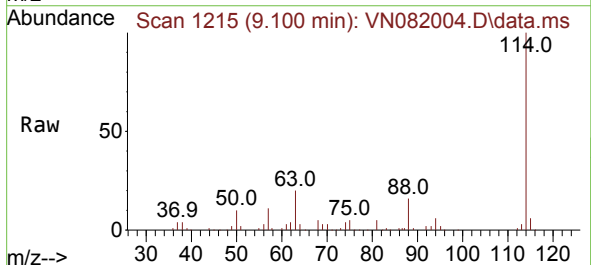
Instrument :
MSVOA_N
ClientSampleId :

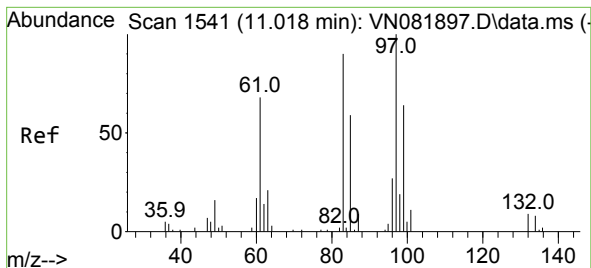
Tgt Ion: 65 Resp: 84589
Ion Ratio Lower Upper
65 100
67 54.2 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Tgt Ion:114 Resp: 199078
Ion Ratio Lower Upper
114 100
63 22.3 15.9 23.9
88 17.3 12.7 19.1





#50

1,1,2-Trichloroethane

Concen: 3.425 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

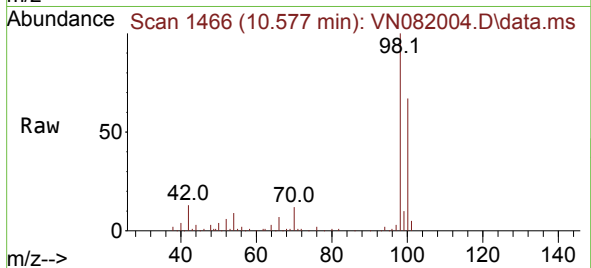
Lab File: VN082004.D

Acq: 06 May 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 7243

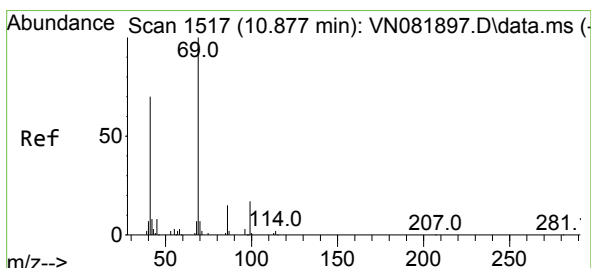
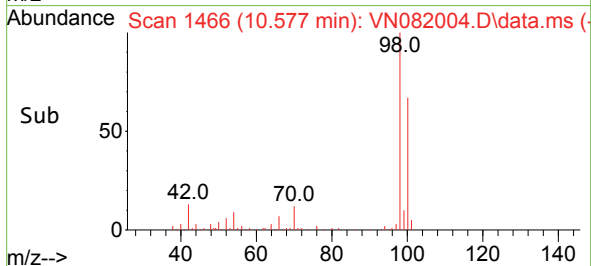
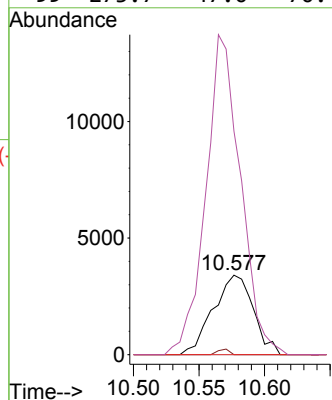
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 273.7 47.0 70.4#



#51

Ethyl methacrylate

Concen: 0.242 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.300 min

Lab File: VN082004.D

Acq: 06 May 2024 12:47

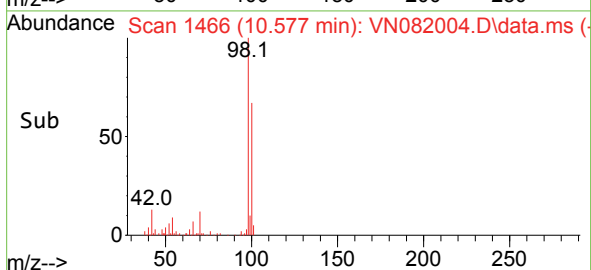
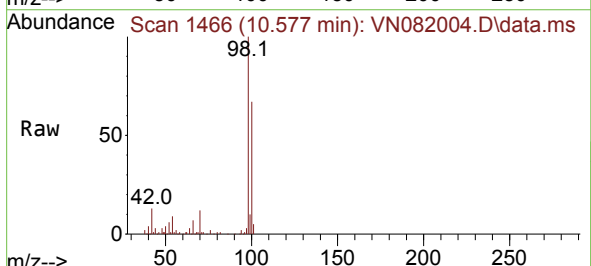
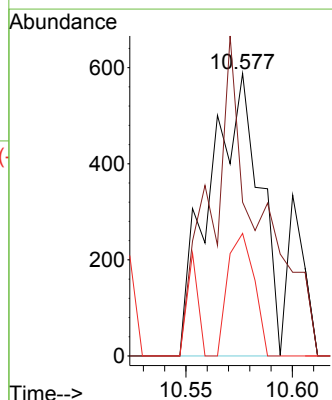
Tgt Ion: 69 Resp: 964

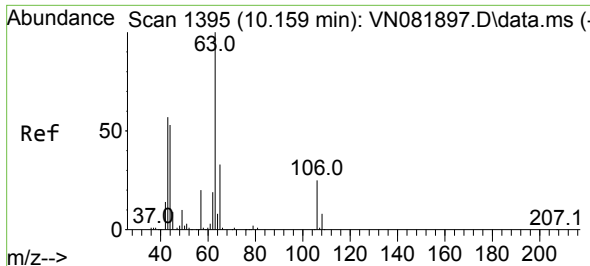
Ion Ratio Lower Upper

69 100

41 54.4 25.5 76.5

39 43.4 16.0 47.9

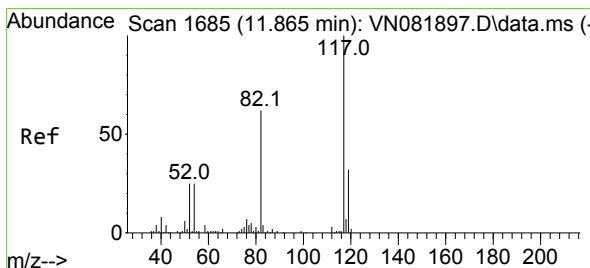
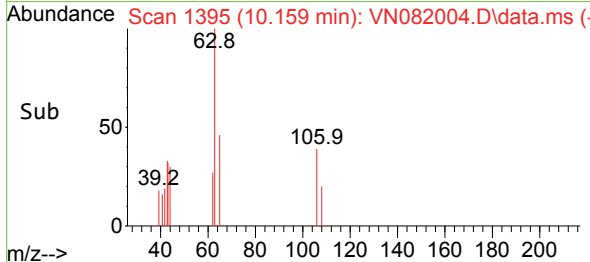
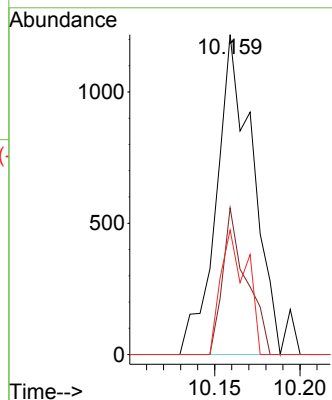
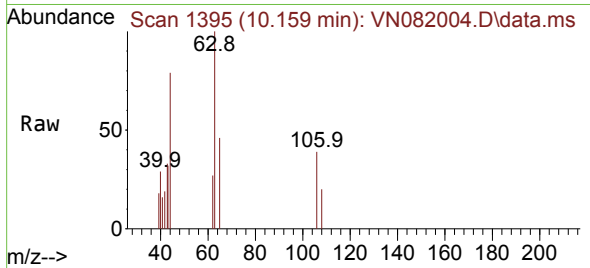




#55
2-Chloroethyl vinyl ether
Concen: 0.905 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

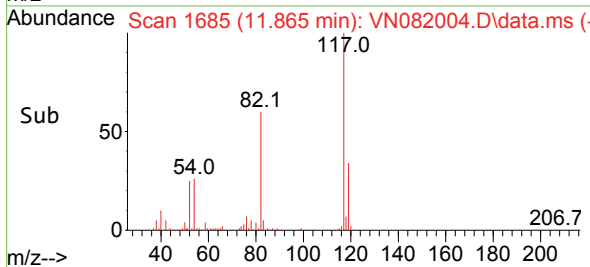
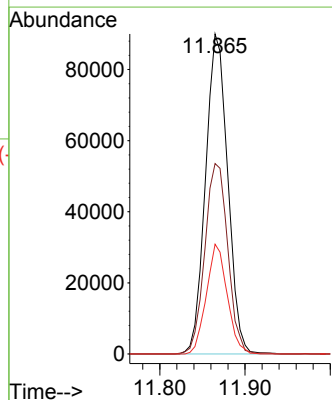
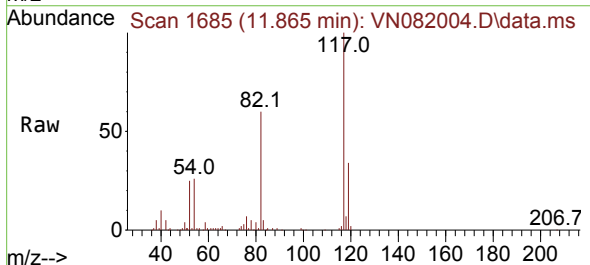
Instrument :
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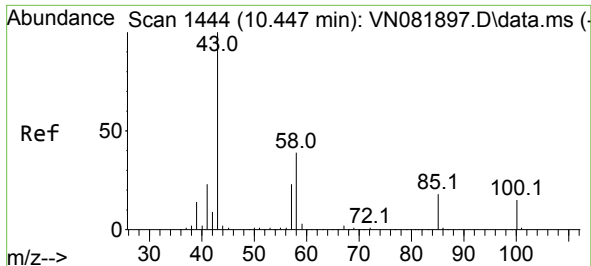
Tgt Ion: 63 Resp: 1806
Ion Ratio Lower Upper
63 100
65 30.0 26.2 39.2
106 27.7 23.8 35.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

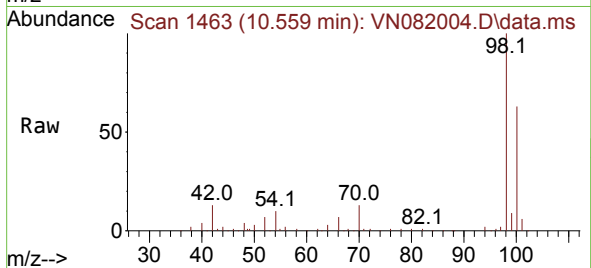
Tgt Ion: 117 Resp: 162898
Ion Ratio Lower Upper
117 100
82 61.5 46.6 69.8
119 32.2 25.4 38.2



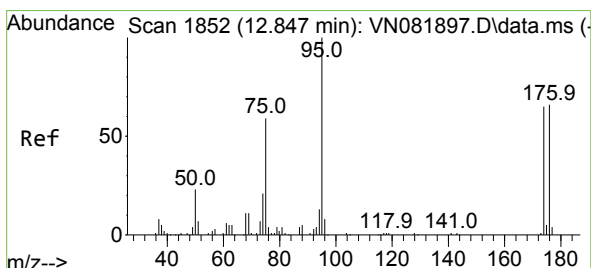
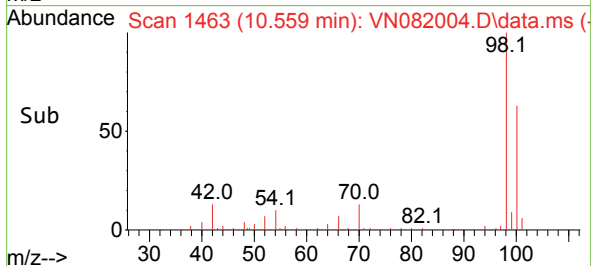
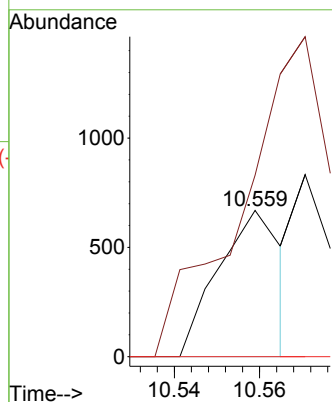


#58
4-Methyl-2-Pentanone
Concen: 0.220 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Instrument :
MSVOA_N
ClientSampleId :

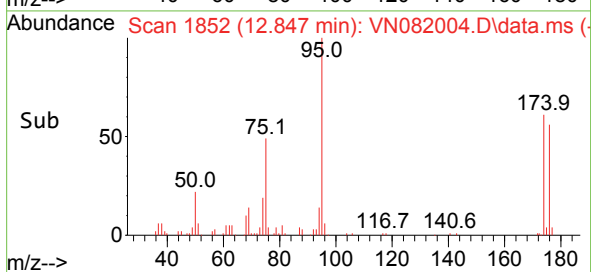
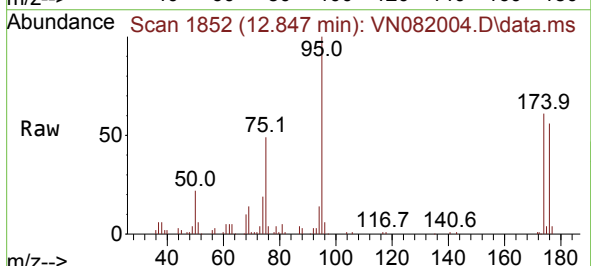
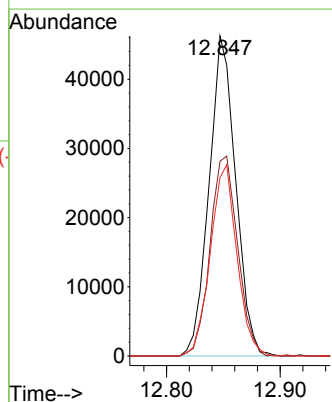


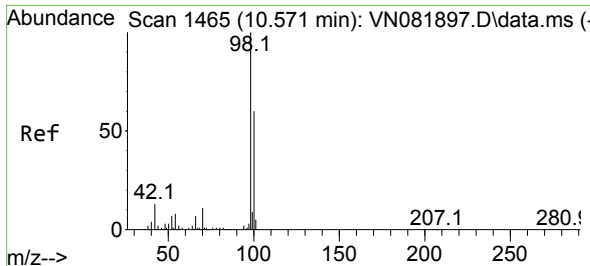
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 0.0 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 27.796 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Tgt Ion: 95 Resp: 75354
Ion Ratio Lower Upper
95 100
174 64.8 60.5 90.7
176 59.6 57.8 86.6

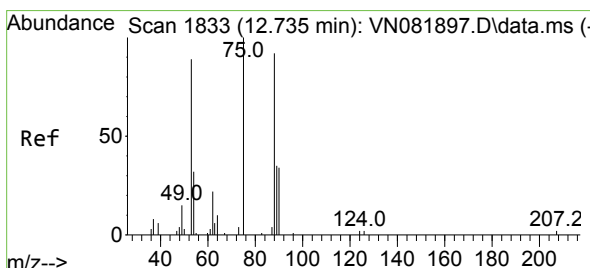
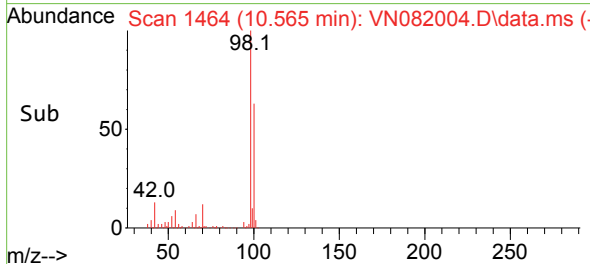
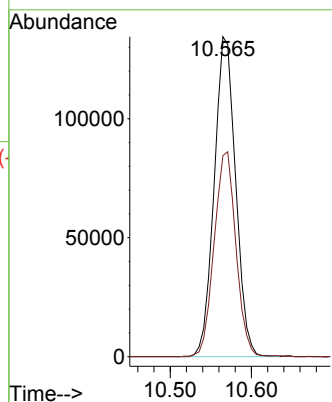
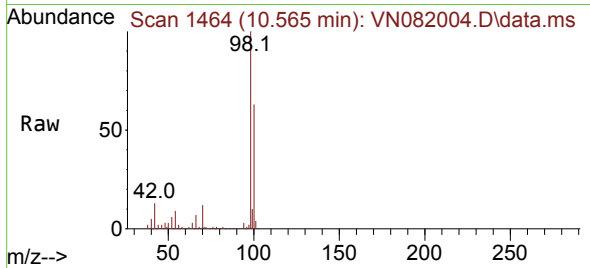




#63
Toluene-d8
Concen: 31.943 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

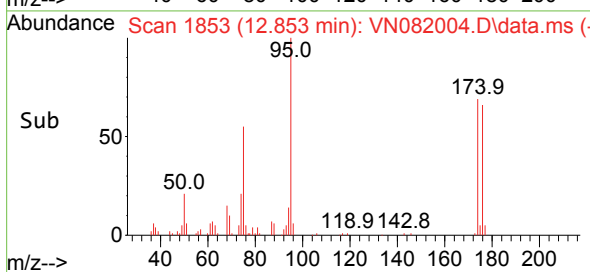
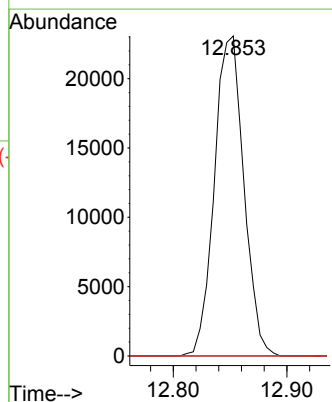
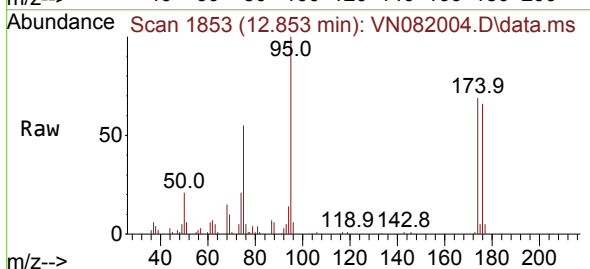
Instrument :
MSVOA_N
ClientSampleId :

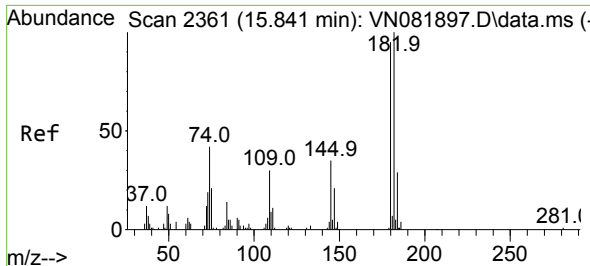
Tgt Ion: 98 Resp: 247116
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 37.076 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082004.D
Acq: 06 May 2024 12:47

Tgt Ion: 75 Resp: 41555
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.231 ug/l

RT: 15.847 min Scan# 2361

Delta R.T. 0.006 min

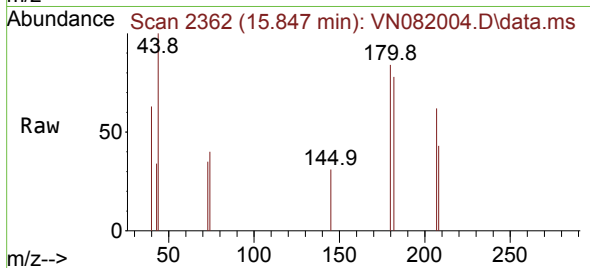
Lab File: VN082004.D

Acq: 06 May 2024 12:47

Instrument :

MSVOA_N

ClientSampleId :



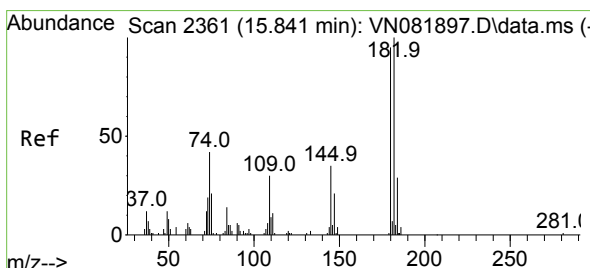
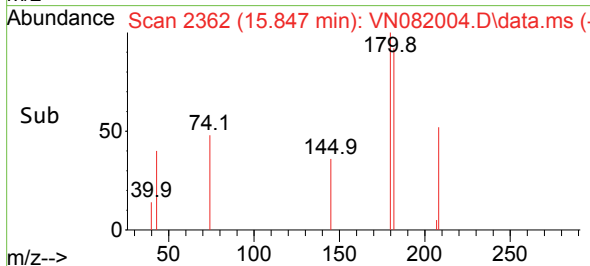
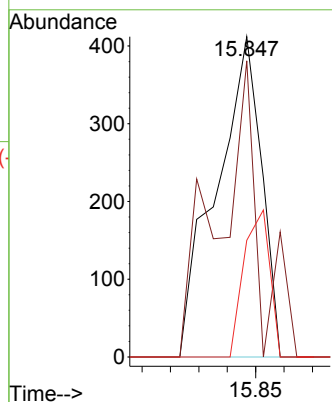
Tgt Ion:180 Resp: 457

Ion Ratio Lower Upper

180 100

182 41.4 76.4 114.6#

145 0.0 28.4 42.6#



#92

1,2,3-Trichlorobenzene

Concen: 0.231 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN082004.D

Acq: 06 May 2024 12:47

Tgt Ion:180 Resp: 457

Ion Ratio Lower Upper

180 100

182 41.4 0.0 191.0

145 0.0 0.0 71.0

