

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081974.D
 Acq On : 02 May 2024 12:14
 Operator : JC\MD
 Sample : P2343-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 00:10:35 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)

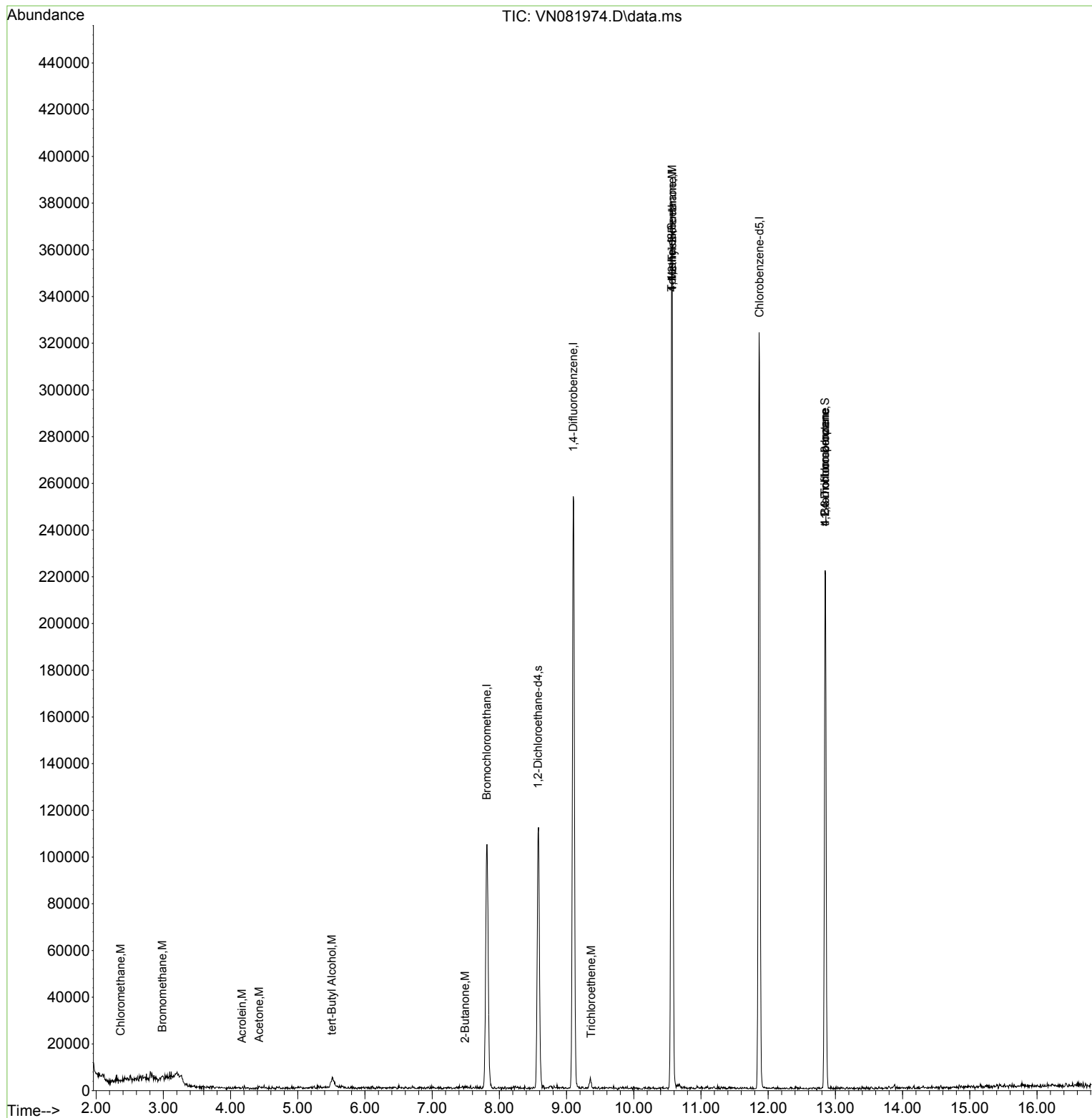
Internal Standards						
1) Bromochloromethane	7.812	128	35527	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	216669	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	176091	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	88848	29.870	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.567%
60) 4-Bromofluorobenzene	12.847	95	78787	26.885	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.600%
63) Toluene-d8	10.565	98	265890	31.795	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.000%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	577	0.247	ug/l #	80
5) Bromomethane	2.983	94	358	0.311	ug/l #	74
13) Acrolein	4.171	56	199	0.345	ug/l #	30
15) Acetone	4.424	58	196	0.706	ug/l #	12
23) tert-Butyl Alcohol	5.506	59	933	1.828	ug/l #	100
30) 2-Butanone	7.488	43	567	0.341	ug/l #	52
37) Trichloroethene	9.365	130	1202	0.477	ug/l #	40
50) 1,1,2-Trichloroethane	10.571	97	8134	3.534	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1661	0.486	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	44275	16.265	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	44275	36.543	ug/l #	12

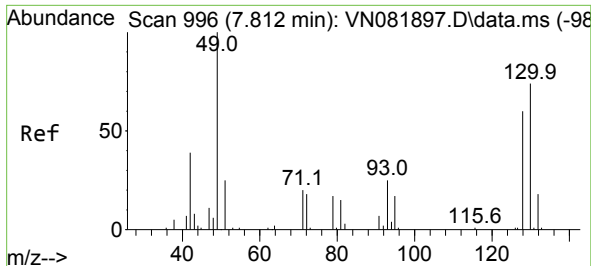
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
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Instrument :
MSVOA_N
ClientSampleId :

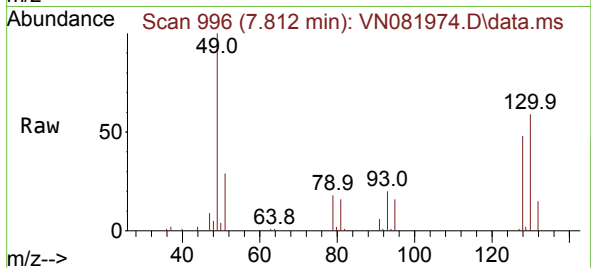
Quant Time: May 03 00:10:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration



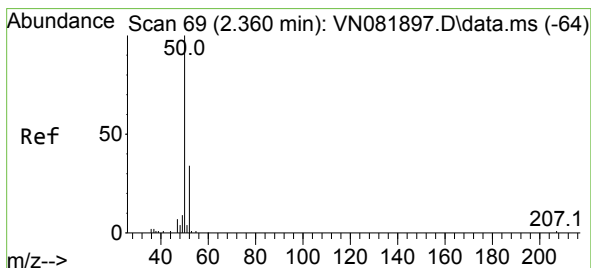
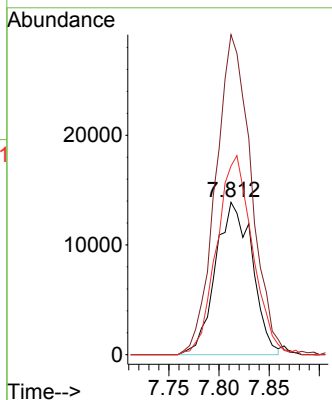
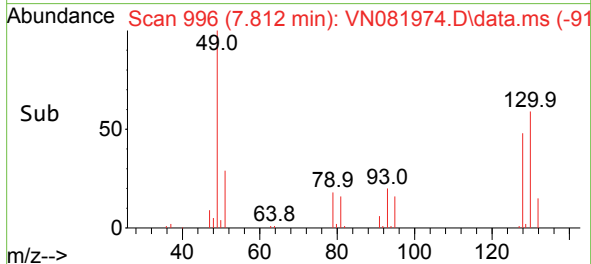


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Instrument :
MSVOA_N
ClientSampleId :

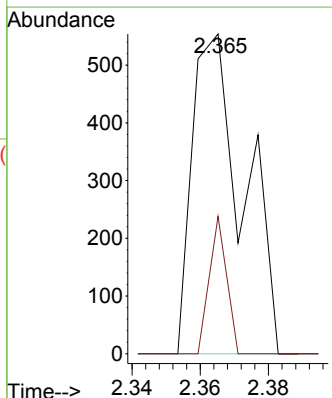
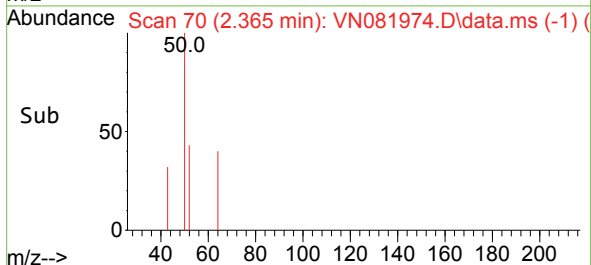
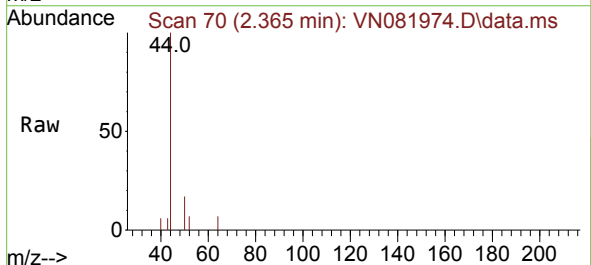


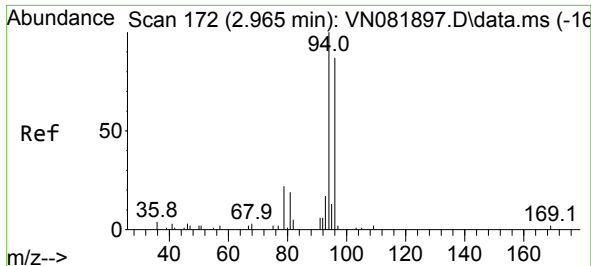
Tgt Ion:128 Resp: 35527
Ion Ratio Lower Upper
128 100
49 202.7 0.0 403.7
130 126.6 0.0 323.3



#3
Chloromethane
Concen: 0.247 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Tgt Ion: 50 Resp: 577
Ion Ratio Lower Upper
50 100
52 43.0 25.4 38.0#

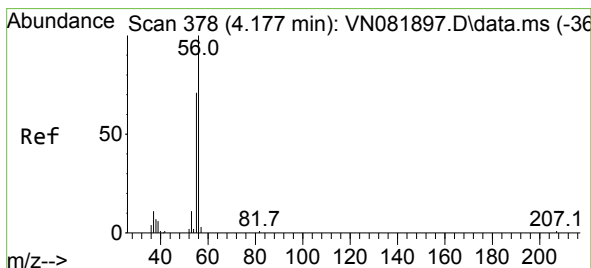
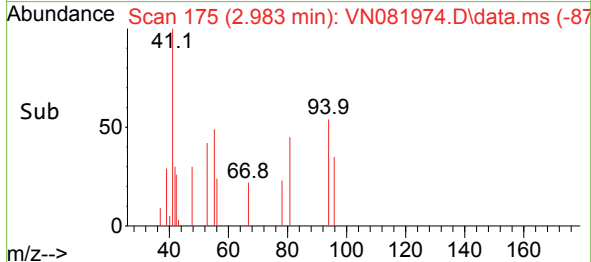
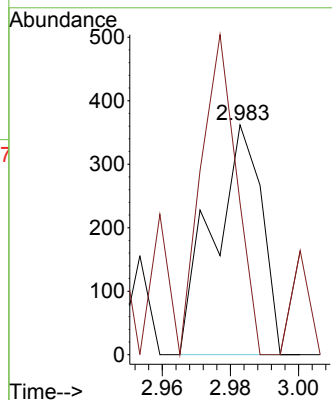
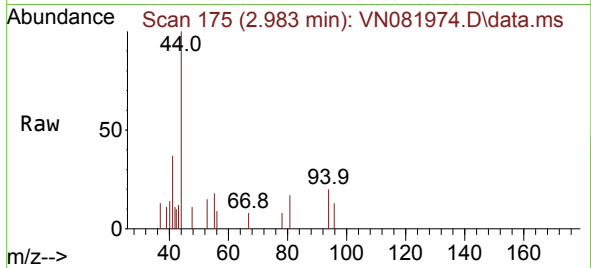




#5
Bromomethane
Concen: 0.311 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

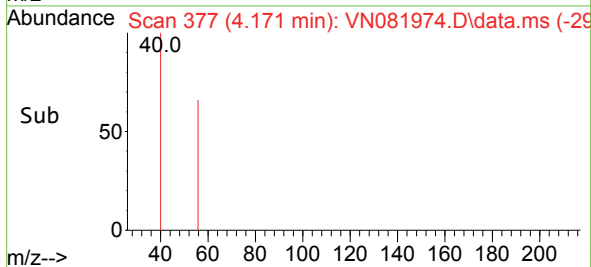
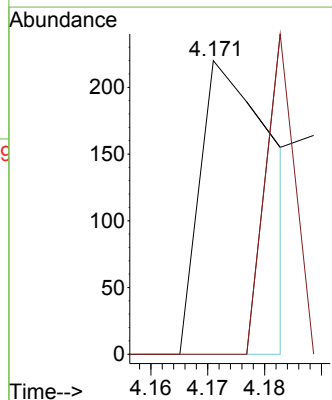
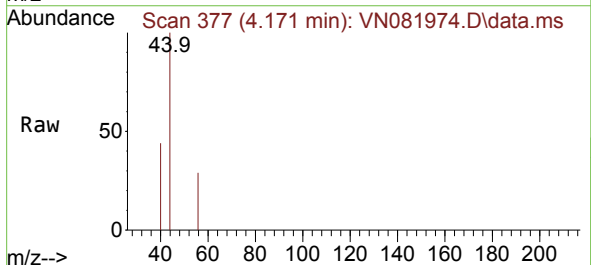
Instrument :
MSVOA_N
ClientSampleId :

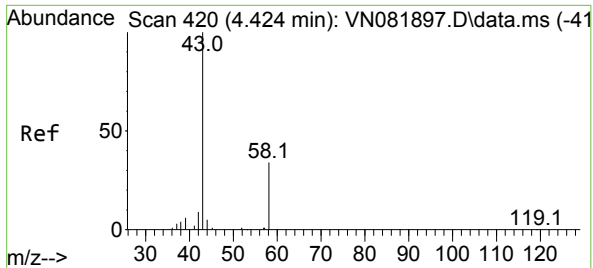
Tgt Ion: 94 Resp: 358
Ion Ratio Lower Upper
94 100
96 66.0 72.8 109.2#



#13
Acrolein
Concen: 0.345 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Tgt Ion: 56 Resp: 199
Ion Ratio Lower Upper
56 100
55 126.6 55.5 83.3#

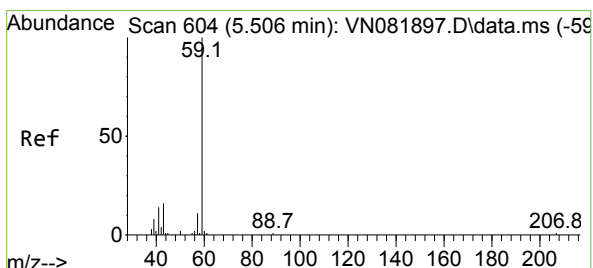
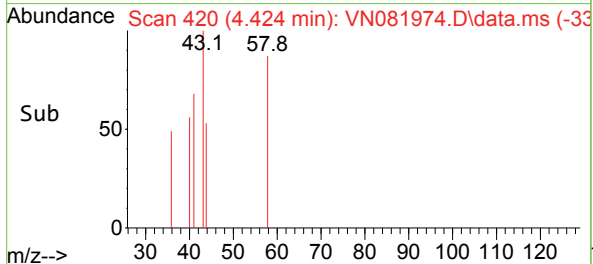
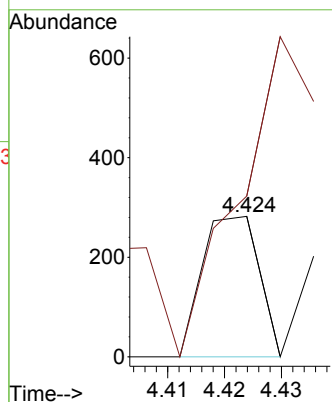
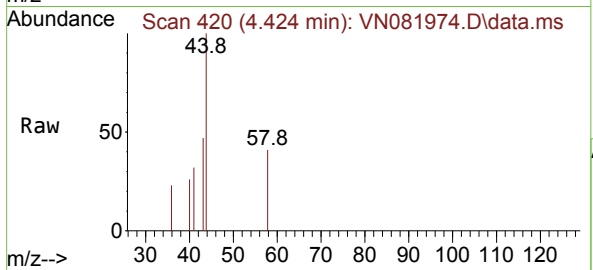




#15
Acetone
Concen: 0.706 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

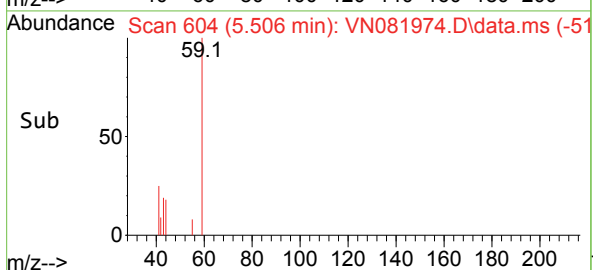
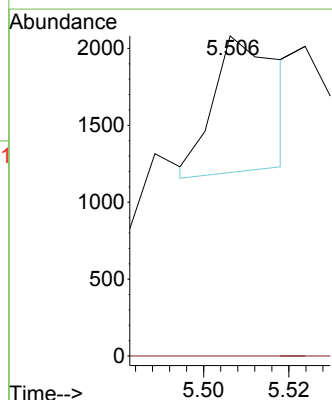
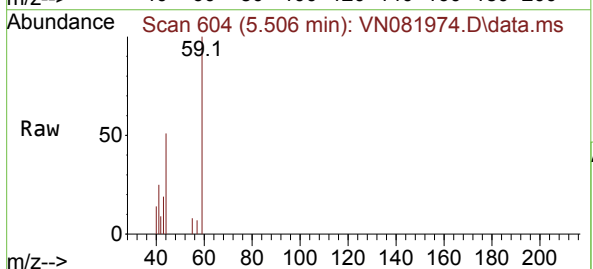
Instrument :
MSVOA_N
ClientSampleId :

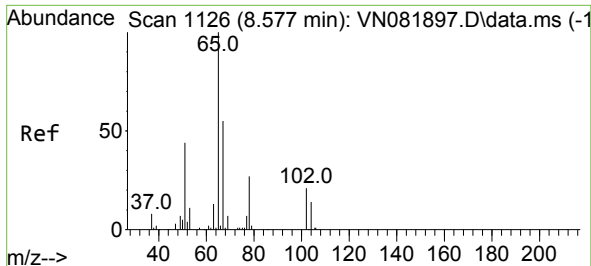
Tgt Ion: 58 Resp: 196
Ion Ratio Lower Upper
58 100
43 114.5 223.1 334.7#



#23
tert-Butyl Alcohol
Concen: 1.828 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Tgt Ion: 59 Resp: 933
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.870 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081974.D

Acq: 02 May 2024 12:14

Instrument :

MSVOA_N

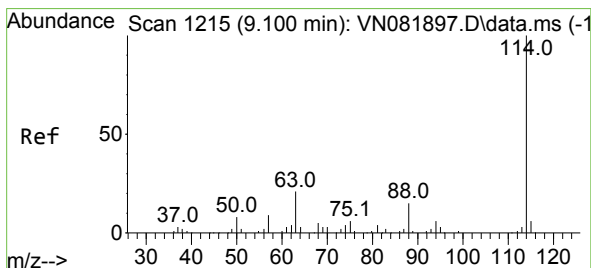
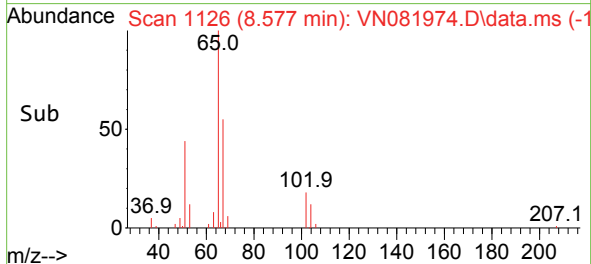
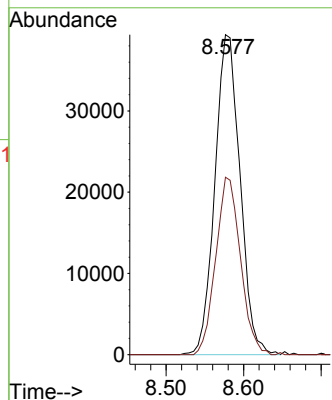
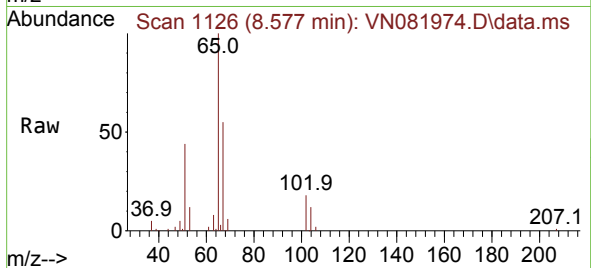
ClientSampleId :

Tgt Ion: 65 Resp: 88848

Ion Ratio Lower Upper

65 100

67 54.5 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: VN081974.D

Acq: 02 May 2024 12:14

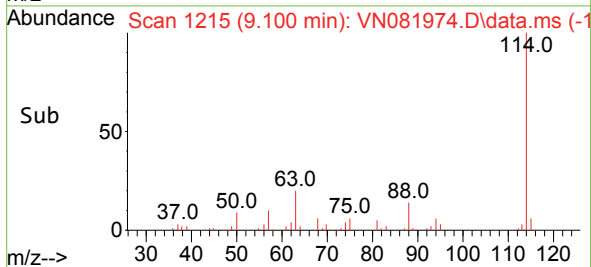
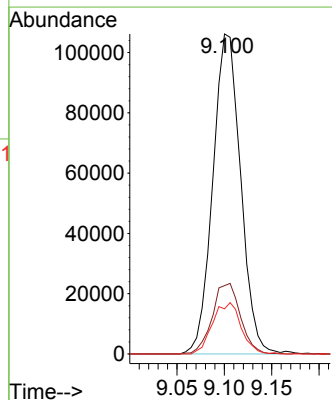
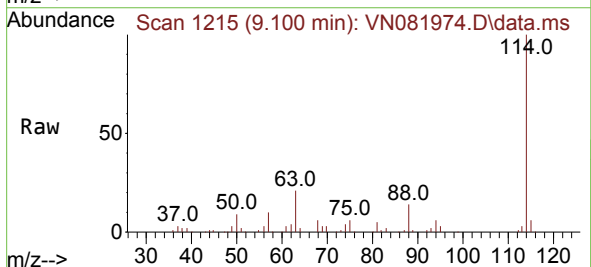
Tgt Ion:114 Resp: 216669

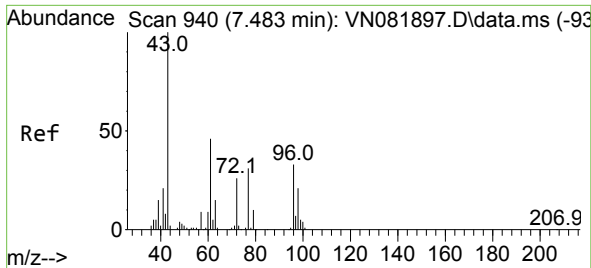
Ion Ratio Lower Upper

114 100

63 22.3 15.9 23.9

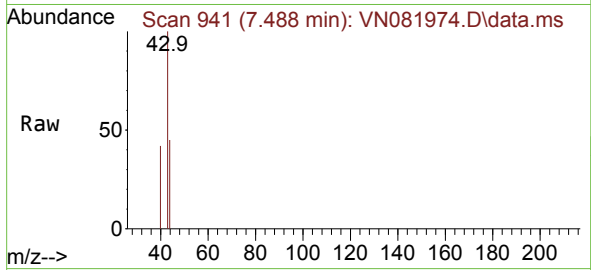
88 16.4 12.7 19.1



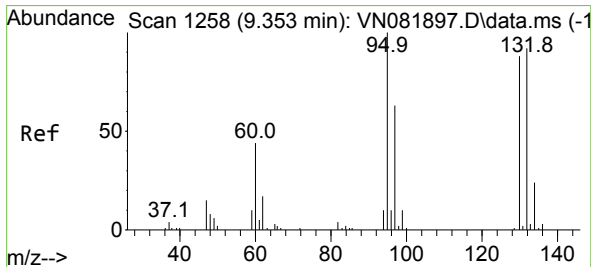
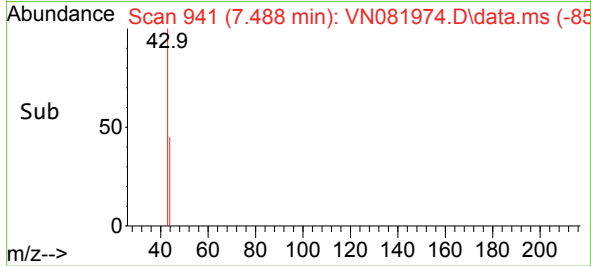
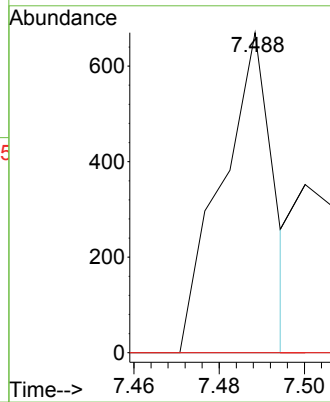


#30
2-Butanone
Concen: 0.341 ug/l
RT: 7.488 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Instrument :
MSVOA_N
ClientSampleId :

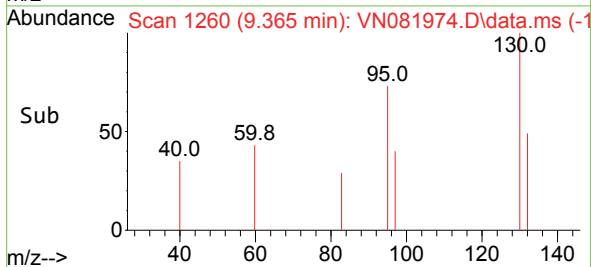
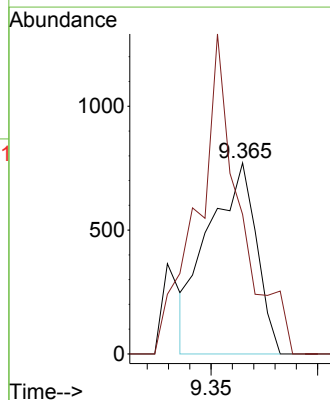
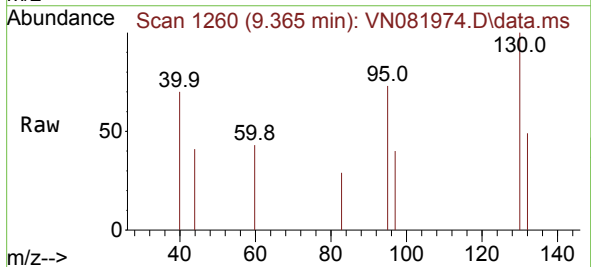


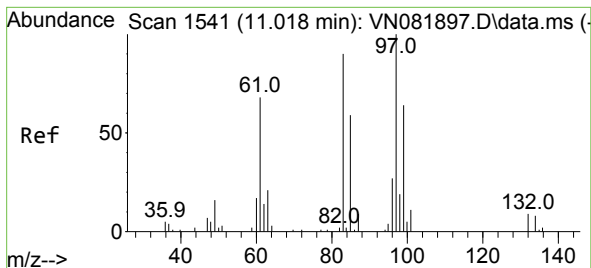
Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#37
Trichloroethene
Concen: 0.477 ug/l
RT: 9.365 min Scan# 1260
Delta R.T. 0.012 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Tgt Ion: 130 Resp: 1202
Ion Ratio Lower Upper
130 100
95 40.1 80.2 120.4#





#50

1,1,2-Trichloroethane

Concen: 3.534 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

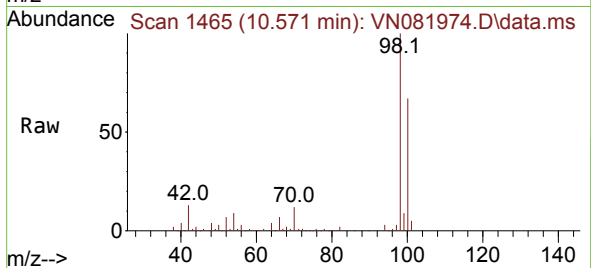
Lab File: VN081974.D

Acq: 02 May 2024 12:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 8134

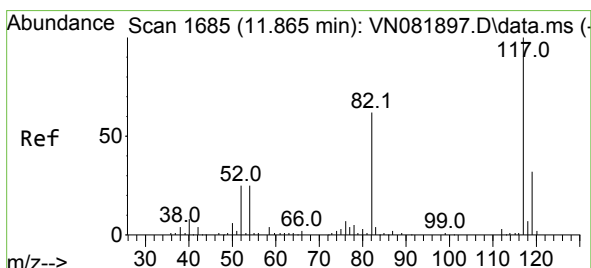
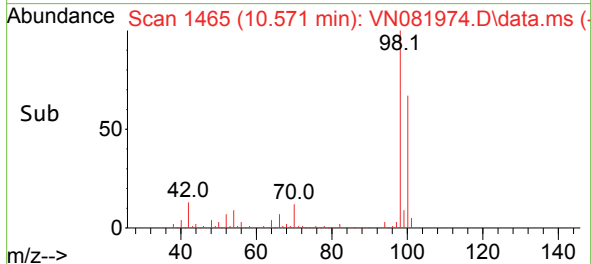
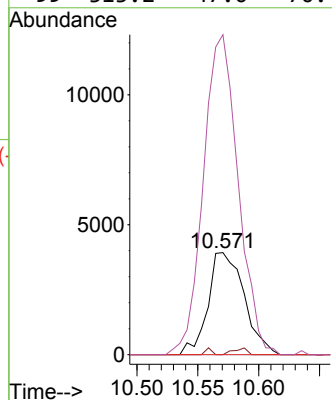
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 313.2 47.0 70.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VN081974.D

Acq: 02 May 2024 12:14

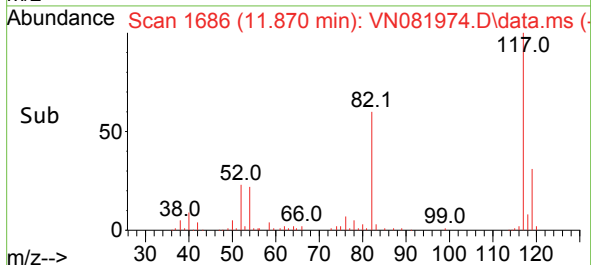
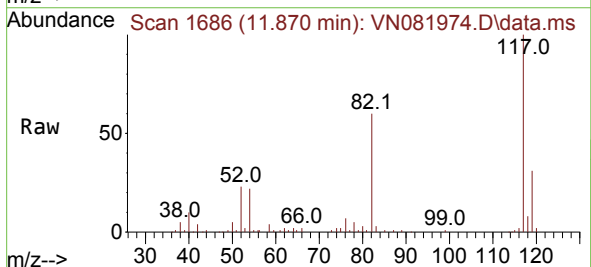
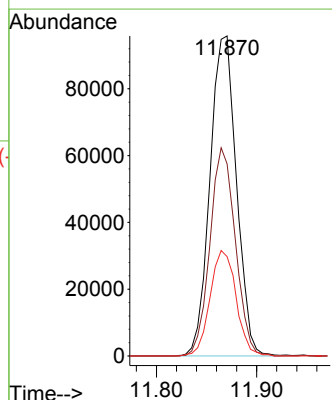
Tgt Ion: 117 Resp: 176091

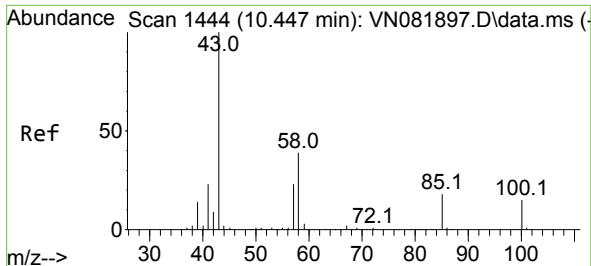
Ion Ratio Lower Upper

117 100

82 62.5 46.6 69.8

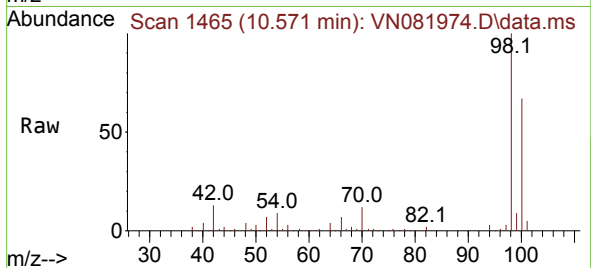
119 32.4 25.4 38.2



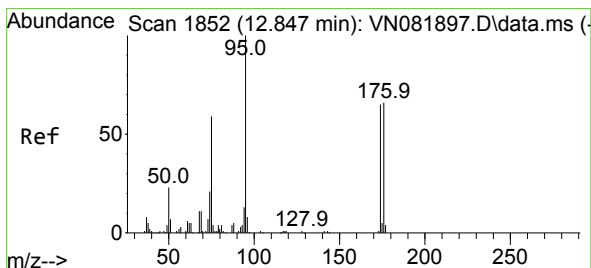
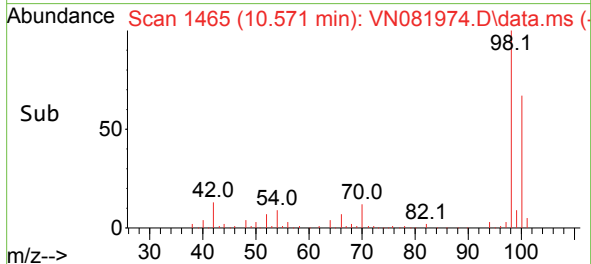
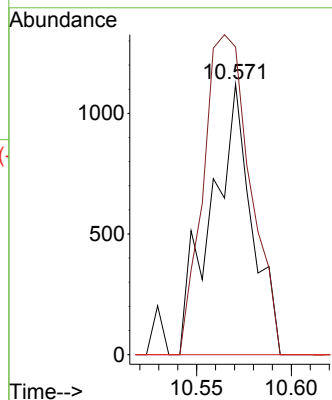


#58
4-Methyl-2-Pentanone
Concen: 0.486 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Instrument :
MSVOA_N
ClientSampleId :

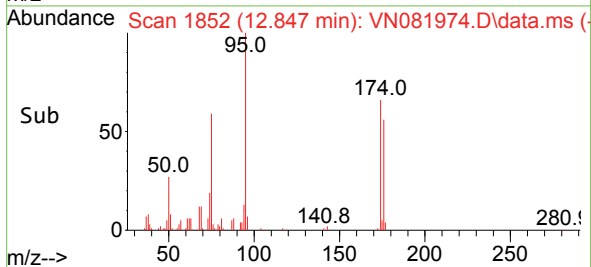
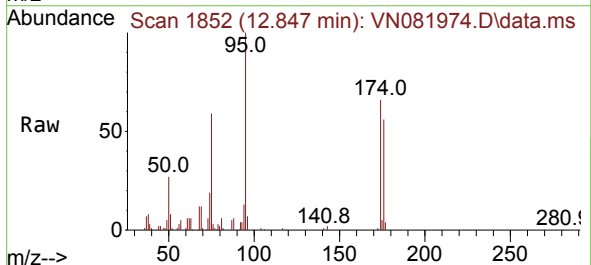
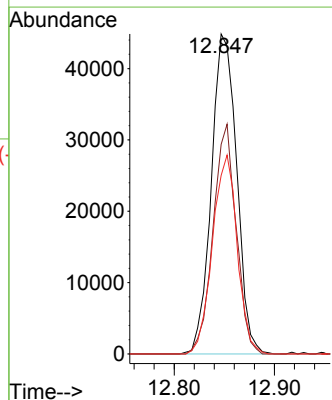


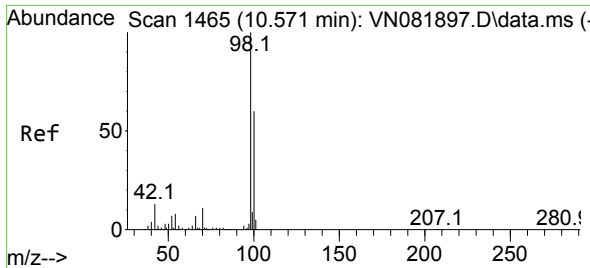
Tgt Ion: 43 Resp: 1661
Ion Ratio Lower Upper
43 100
58 138.2 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 26.885 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Tgt Ion: 95 Resp: 78787
Ion Ratio Lower Upper
95 100
174 65.5 60.5 90.7
176 60.6 57.8 86.6

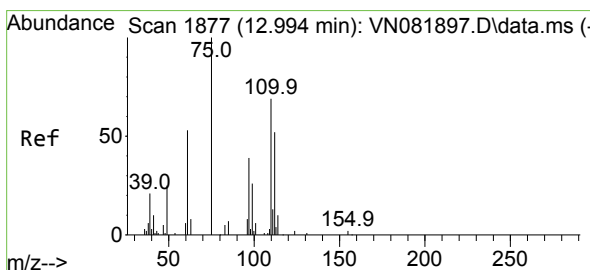
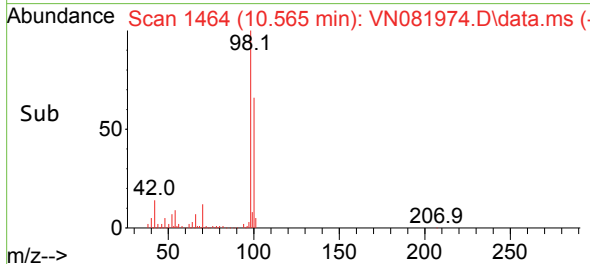
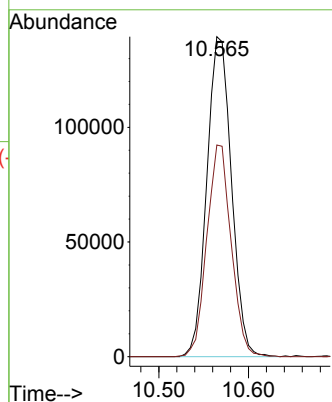
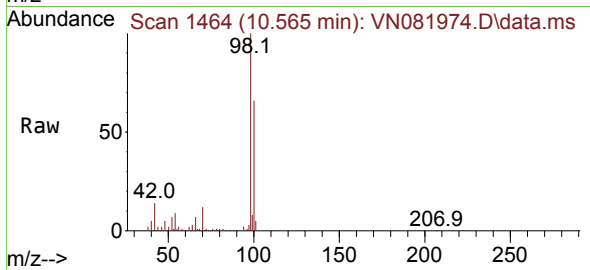




#63
Toluene-d8
Concen: 31.795 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

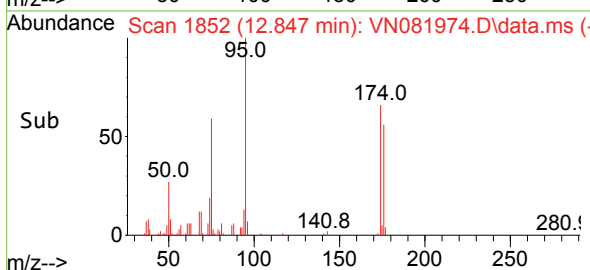
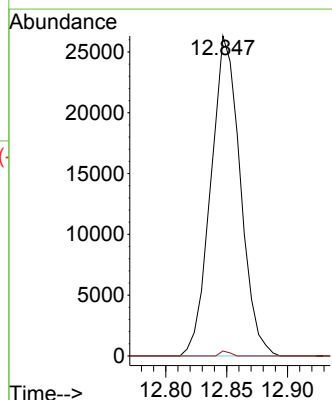
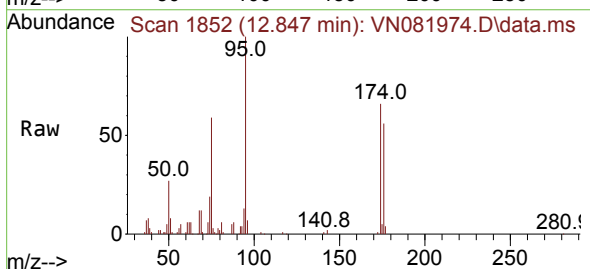
Instrument :
MSVOA_N
ClientSampleId :

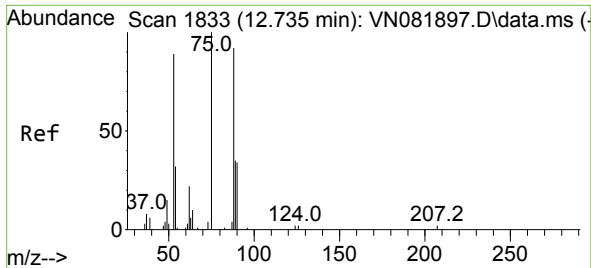
Tgt Ion: 98 Resp: 265890
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.265 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

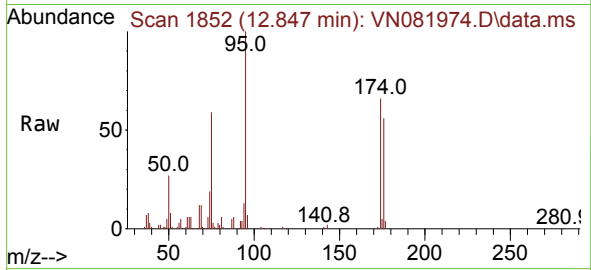
Tgt Ion: 75 Resp: 44275
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 36.543 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN081974.D
Acq: 02 May 2024 12:14

Instrument :
MSVOA_N
ClientSampleId :



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

