

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081975.D
 Acq On : 02 May 2024 12:38
 Operator : JC\MD
 Sample : P2344-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 00:10:55 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)

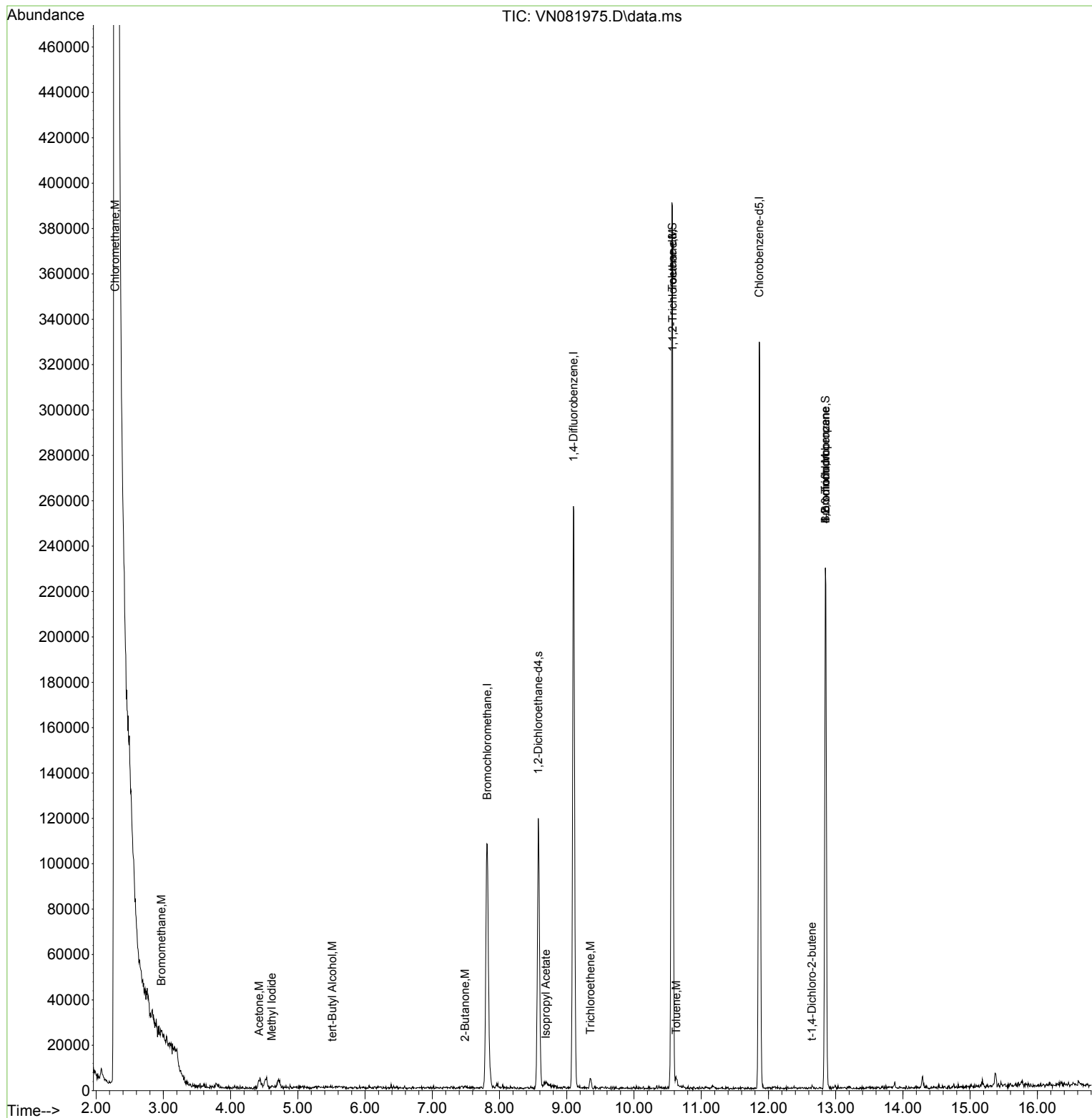
Internal Standards						
1) Bromochloromethane	7.818	128	36368	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	216258	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	183285	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	90829	29.830	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.433%
60) 4-Bromofluorobenzene	12.847	95	84217	27.610	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.033%
63) Toluene-d8	10.571	98	261961	30.096	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						
					Qvalue	
3) Chloromethane	2.283	50	89918	37.558	ug/l #	44
5) Bromomethane	2.971	94	2313	1.960	ug/l #	45
11) Methyl Iodide	4.612	142	1344	0.663	ug/l #	34
15) Acetone	4.424	58	1110	3.905	ug/l #	36
23) tert-Butyl Alcohol	5.512	59	270	0.517	ug/l #	100
30) 2-Butanone	7.489	43	655	0.395	ug/l #	52
37) Trichloroethene	9.353	130	1703	0.677	ug/l #	60
44) Isopropyl Acetate	8.688	43	1960	0.305	ug/l #	43
50) 1,1,2-Trichloroethane	10.577	97	8483	3.693	ug/l #	1
56) Bromoform	12.847	173	324	0.213	ug/l #	1
62) Toluene	10.630	91	2985	0.289	ug/l	99
72) 1,2,3-Trichloropropane	12.847	75	47357	16.714	ug/l	1
77) t-1,4-Dichloro-2-butene	12.647	75	441	0.350	ug/l #	12

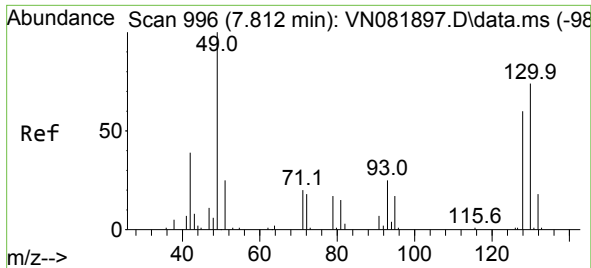
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Quant Time: May 03 00:10:55 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

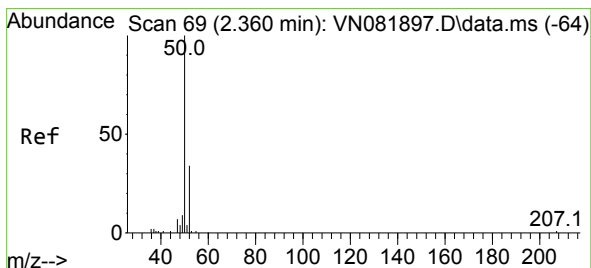
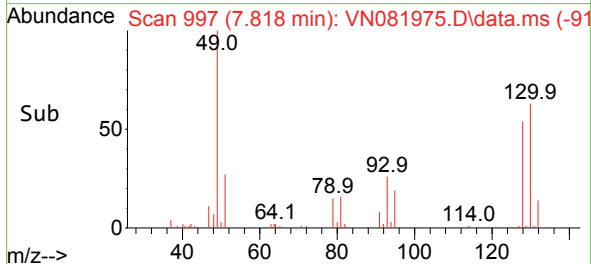
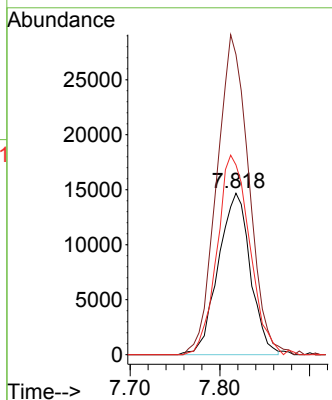
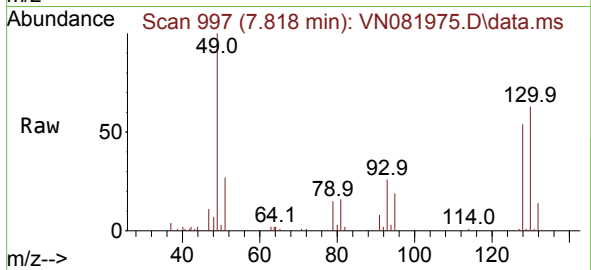




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

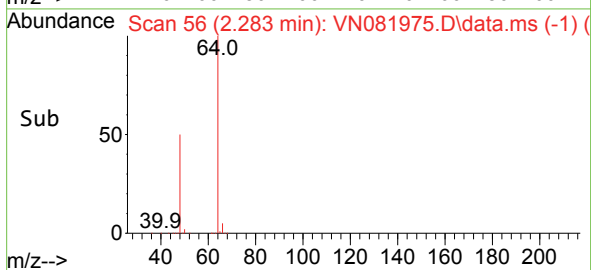
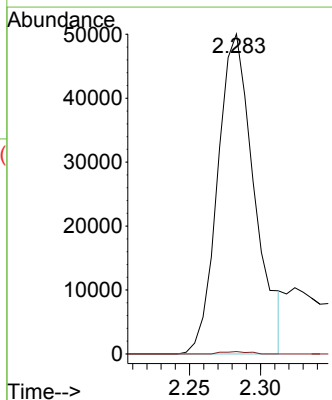
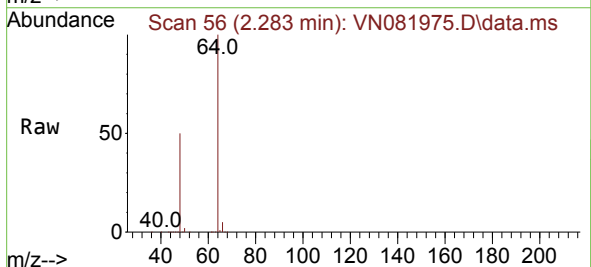
Instrument :
MSVOA_N
ClientSampleId :

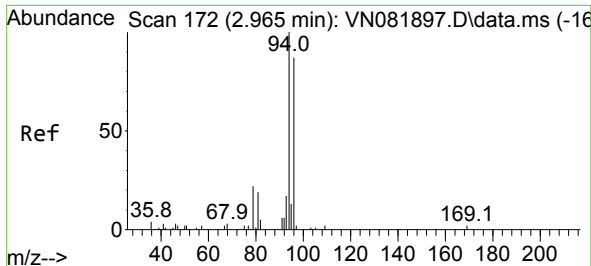
Tgt Ion:128 Resp: 36368
Ion Ratio Lower Upper
128 100
49 198.5 0.0 403.7
130 125.6 0.0 323.3



#3
Chloromethane
Concen: 37.558 ug/l
RT: 2.283 min Scan# 56
Delta R.T. -0.077 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

Tgt Ion: 50 Resp: 89918
Ion Ratio Lower Upper
50 100
52 0.8 25.4 38.0#

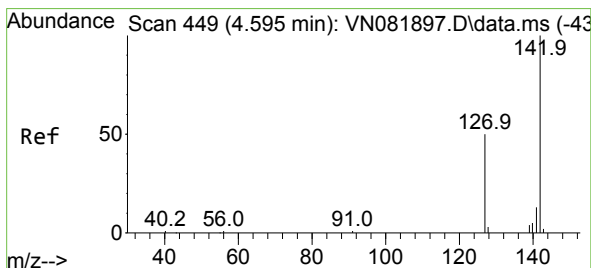
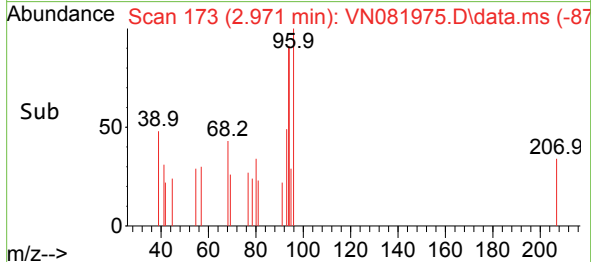
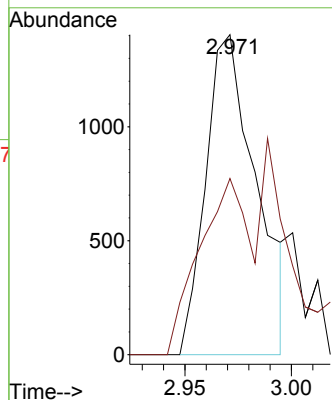
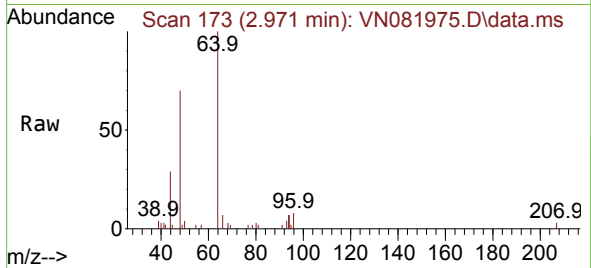




#5
Bromomethane
Concen: 1.960 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

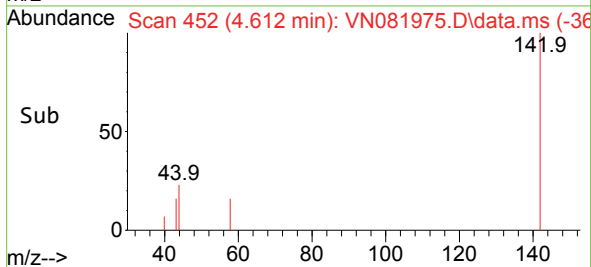
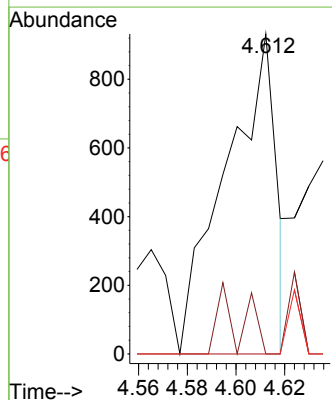
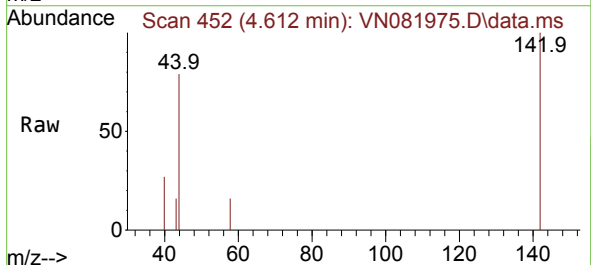
Instrument :
MSVOA_N
ClientSampleId :

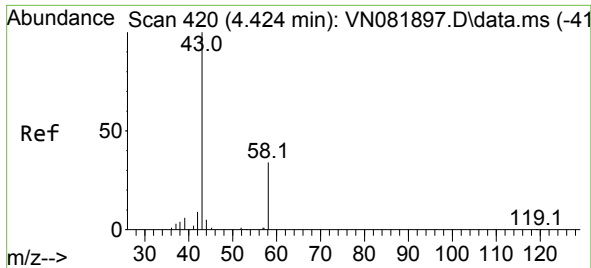
Tgt Ion: 94 Resp: 2313
Ion Ratio Lower Upper
94 100
96 38.7 72.8 109.2#



#11
Methyl Iodide
Concen: 0.663 ug/l
RT: 4.612 min Scan# 452
Delta R.T. 0.018 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

Tgt Ion:142 Resp: 1344
Ion Ratio Lower Upper
142 100
127 0.0 26.3 78.9#
141 0.0 8.3 24.9#

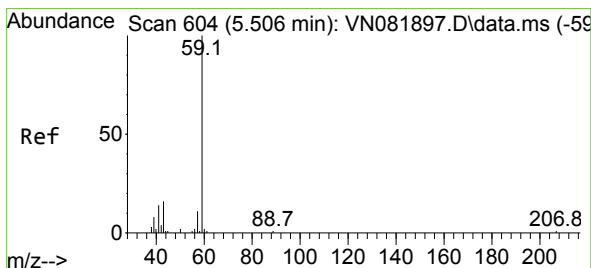
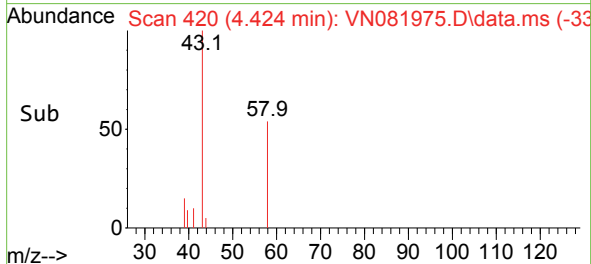
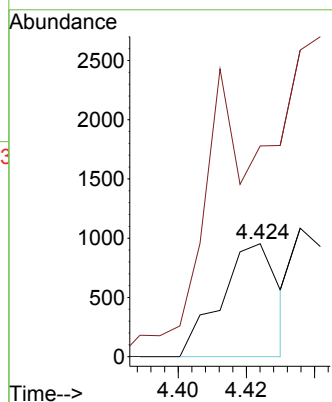
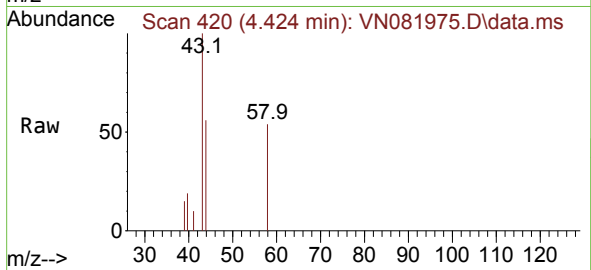




#15
Acetone
Concen: 3.905 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

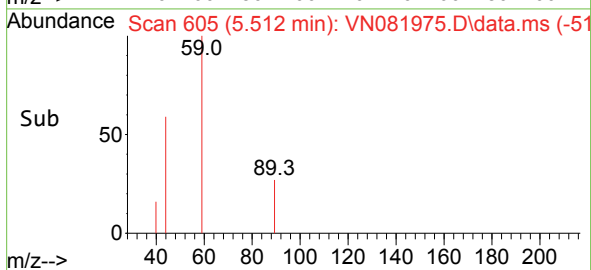
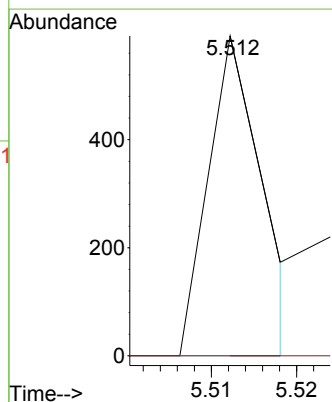
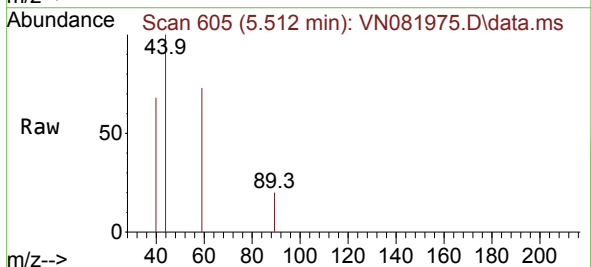
Instrument :
MSVOA_N
ClientSampleId :

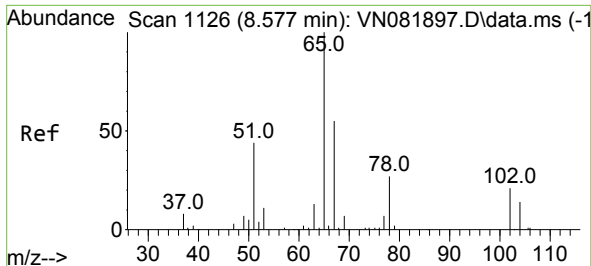
Tgt Ion: 58 Resp: 1110
Ion Ratio Lower Upper
58 100
43 159.4 223.1 334.7#



#23
tert-Butyl Alcohol
Concen: 0.517 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

Tgt Ion: 59 Resp: 270
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 29.830 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081975.D

Acq: 02 May 2024 12:38

Instrument :

MSVOA_N

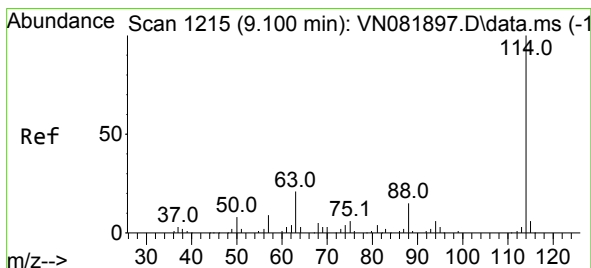
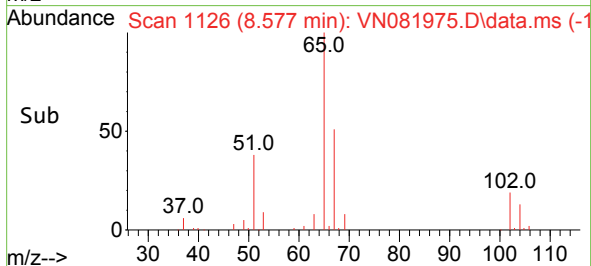
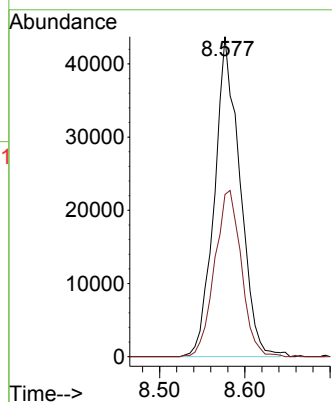
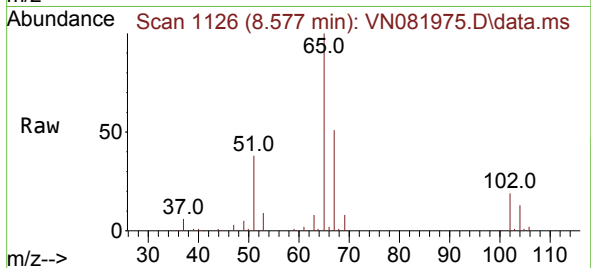
ClientSampleId :

Tgt Ion: 65 Resp: 90829

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: VN081975.D

Acq: 02 May 2024 12:38

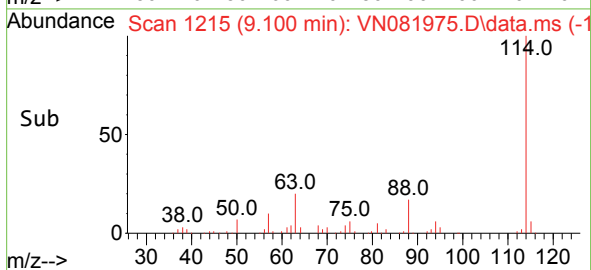
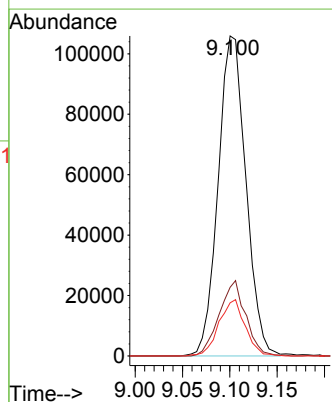
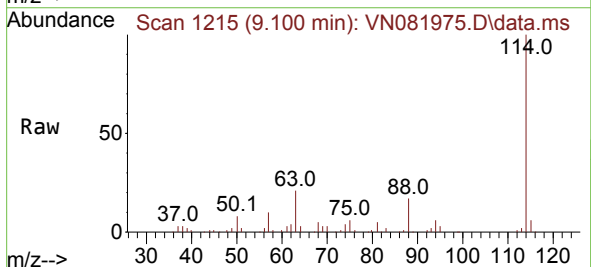
Tgt Ion: 114 Resp: 216258

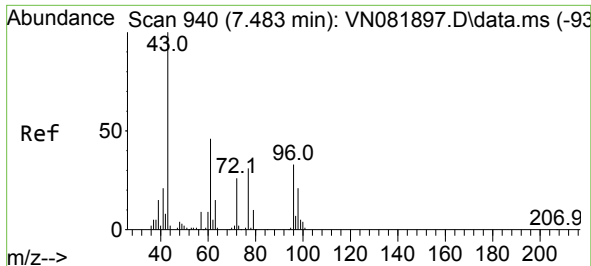
Ion Ratio Lower Upper

114 100

63 22.4 15.9 23.9

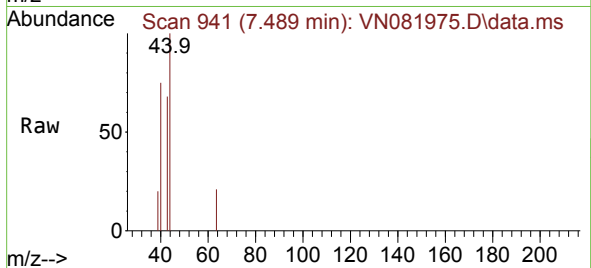
88 16.7 12.7 19.1



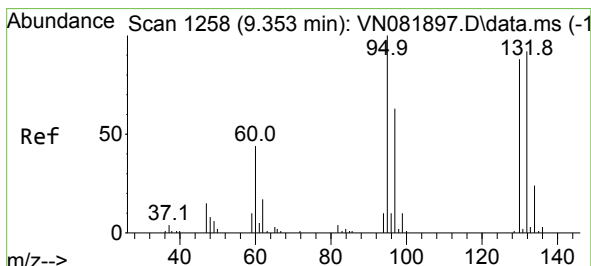
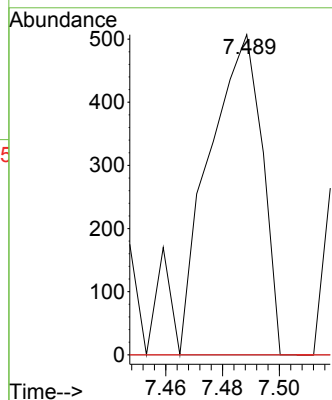
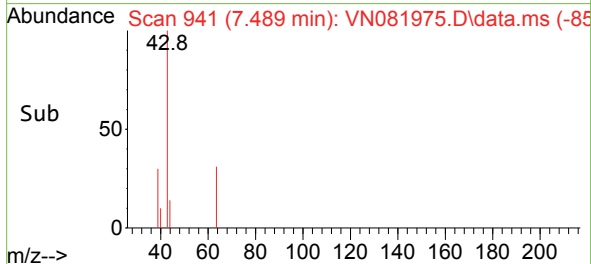


#30
2-Butanone
Concen: 0.395 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

Instrument :
MSVOA_N
ClientSampleId :

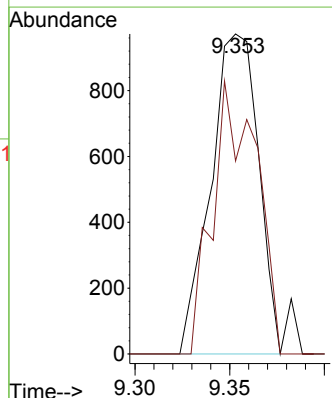
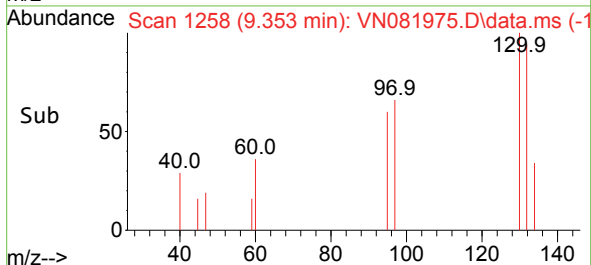
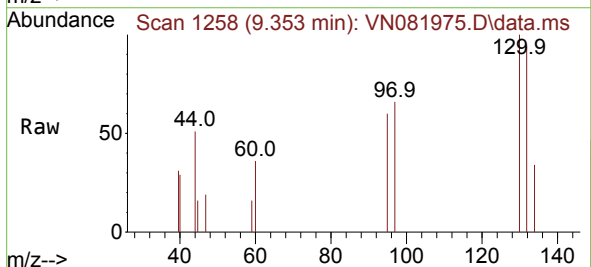


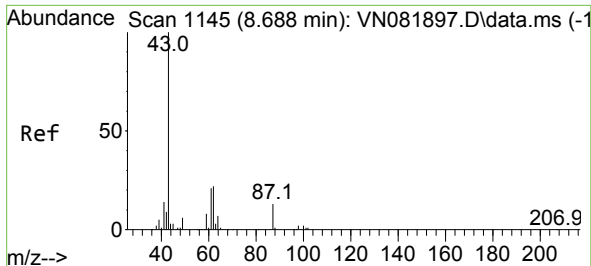
Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#37
Trichloroethene
Concen: 0.677 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.000 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

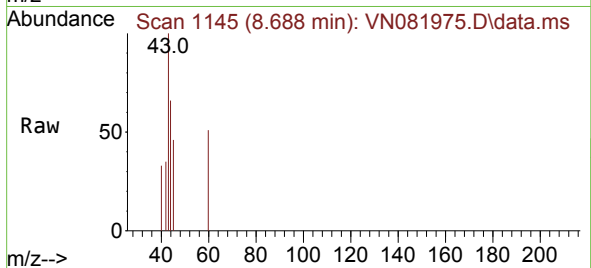
Tgt Ion: 130 Resp: 1703
Ion Ratio Lower Upper
130 100
95 60.3 80.2 120.4#



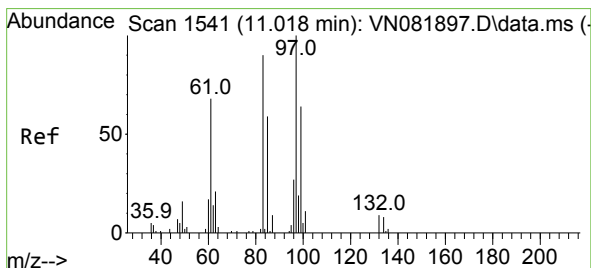
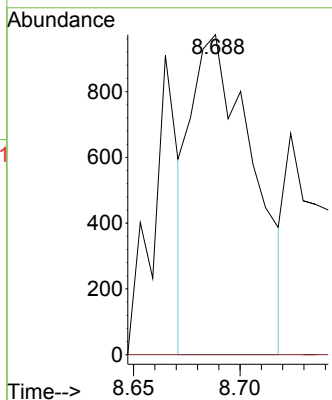
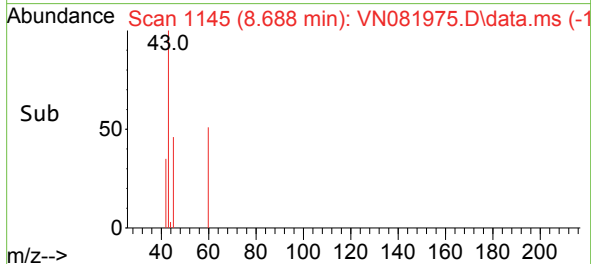


#44
Isopropyl Acetate
Concen: 0.305 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

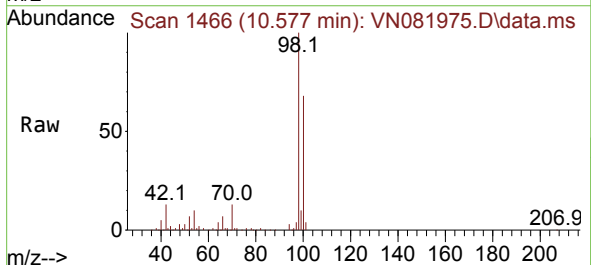
Instrument :
MSVOA_N
ClientSampleId :



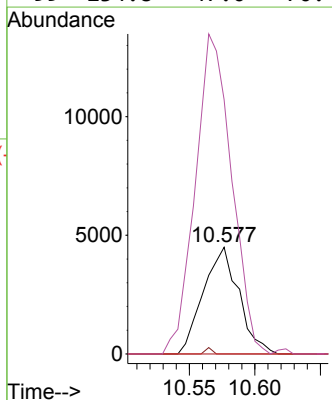
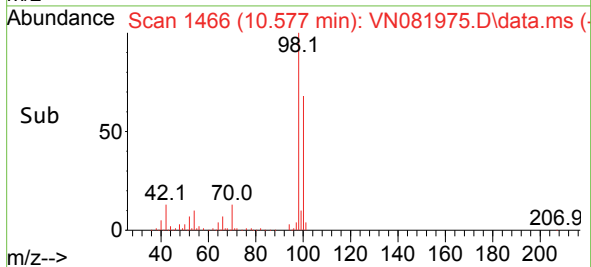
Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.4#

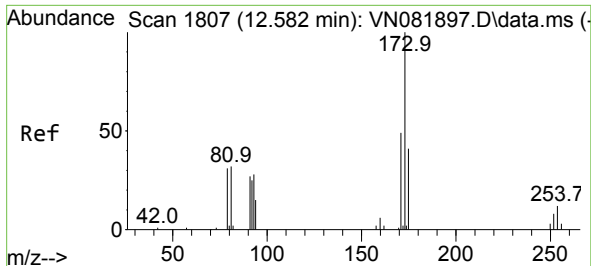


#50
1,1,2-Trichloroethane
Concen: 3.693 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38



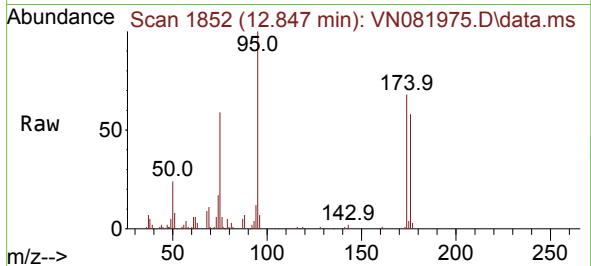
Tgt Ion: 97 Resp: 8483
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 234.8 47.0 70.4#



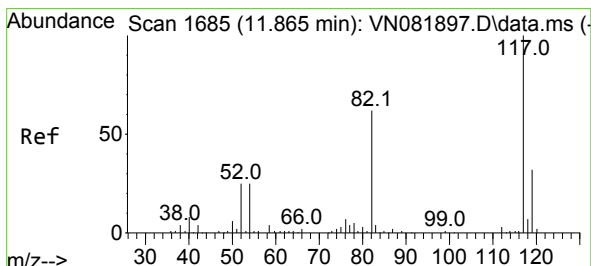
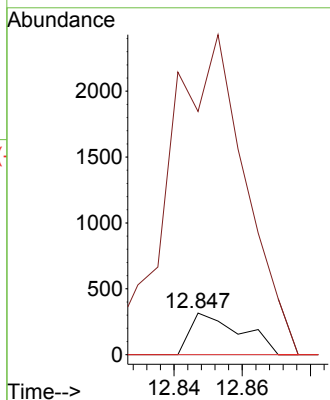
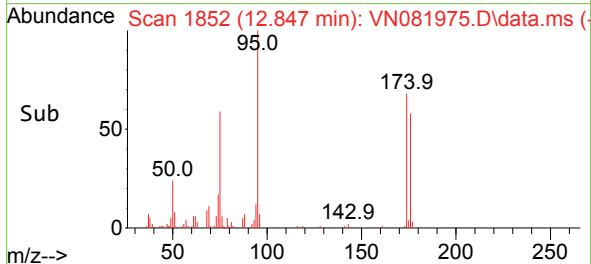


#56
Bromoform
Concen: 0.213 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

Instrument :
MSVOA_N
ClientSampleId :

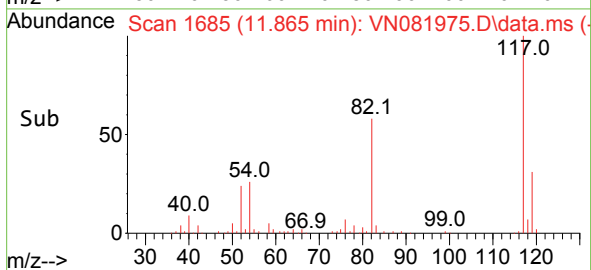
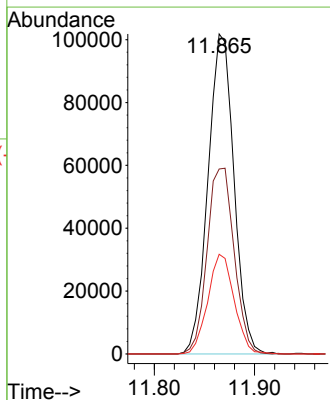
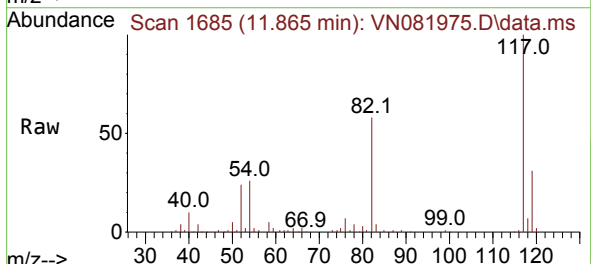


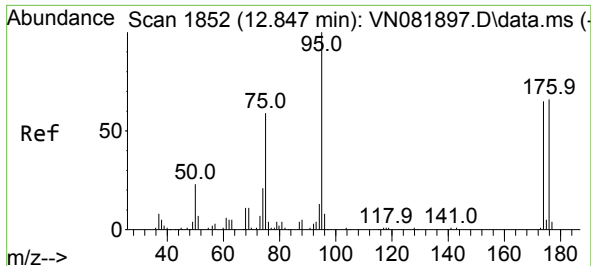
Tgt Ion:173 Resp: 324
Ion Ratio Lower Upper
173 100
175 1167.6 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

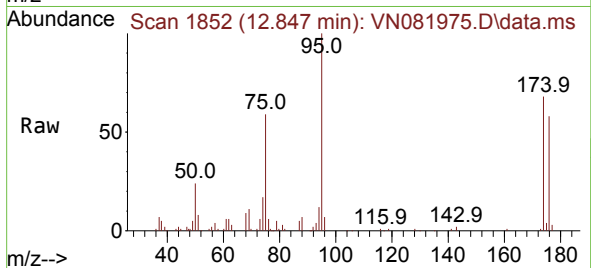
Tgt Ion:117 Resp: 183285
Ion Ratio Lower Upper
117 100
82 60.6 46.6 69.8
119 31.7 25.4 38.2



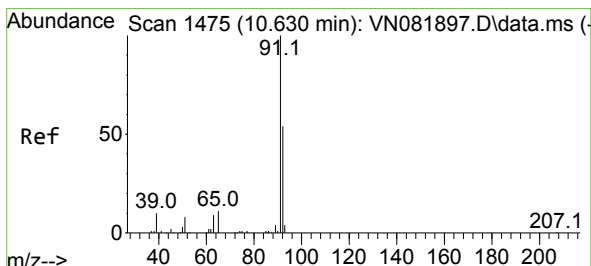
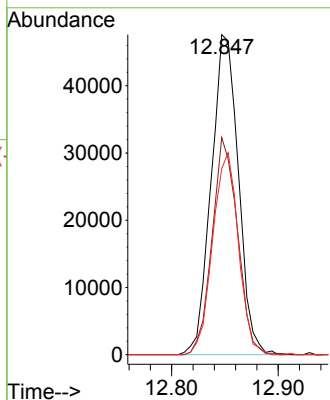
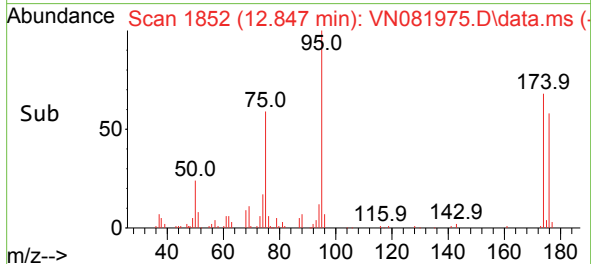


#60
4-Bromofluorobenzene
Concen: 27.610 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

Instrument :
MSVOA_N
ClientSampleId :

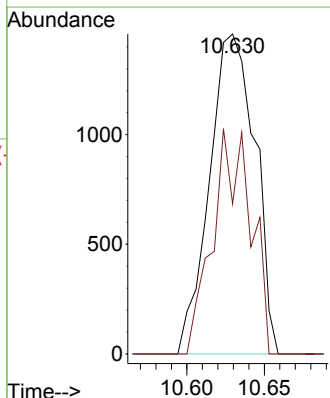
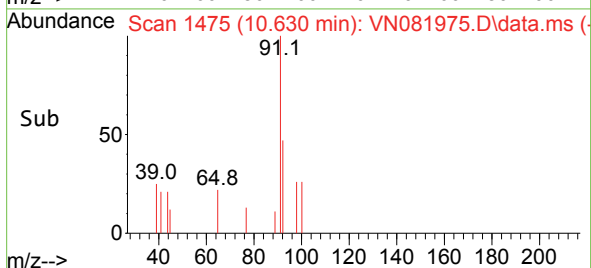
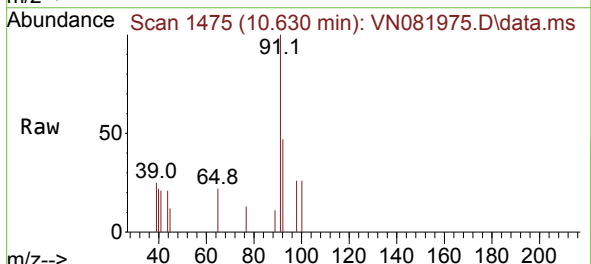


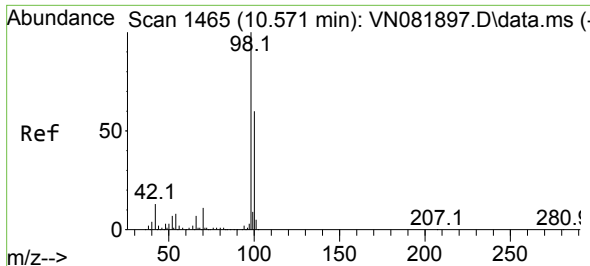
Tgt Ion: 95 Resp: 84217
Ion Ratio Lower Upper
95 100
174 63.3 60.5 90.7
176 60.0 57.8 86.6



#62
Toluene
Concen: 0.289 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

Tgt Ion: 91 Resp: 2985
Ion Ratio Lower Upper
91 100
92 58.8 46.5 69.7

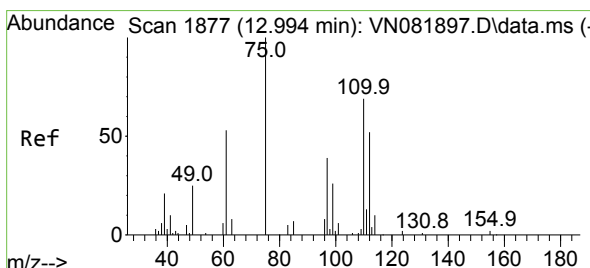
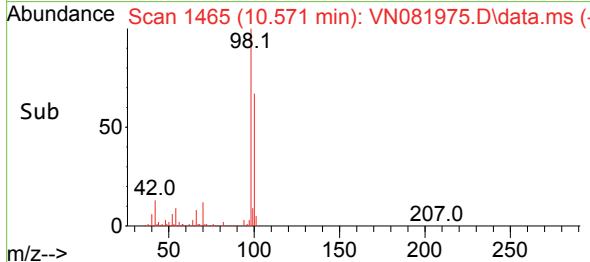
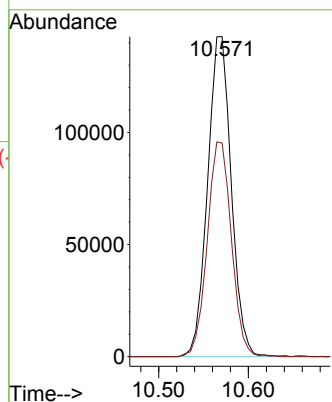
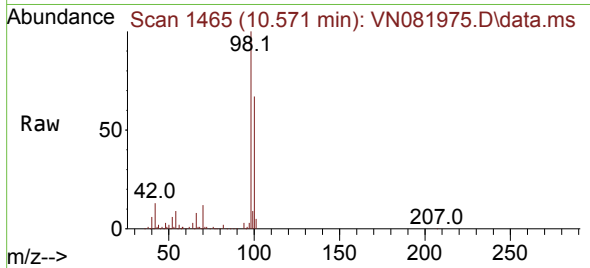




#63
Toluene-d8
Concen: 30.096 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

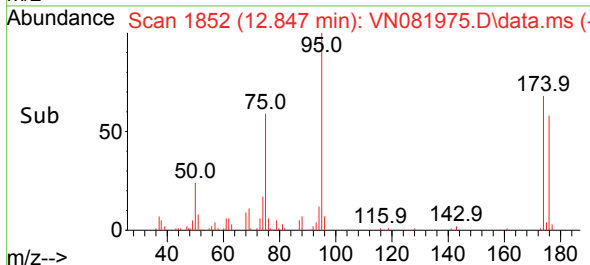
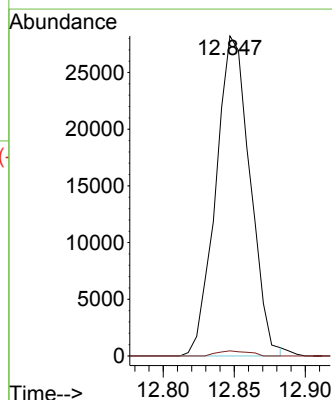
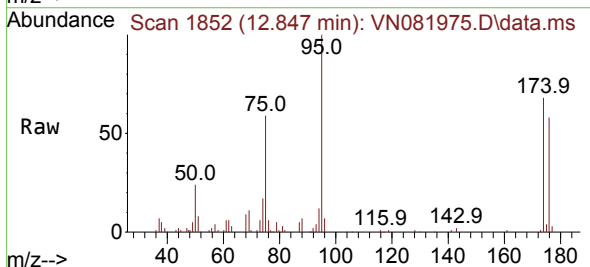
Instrument :
MSVOA_N
ClientSampleId :

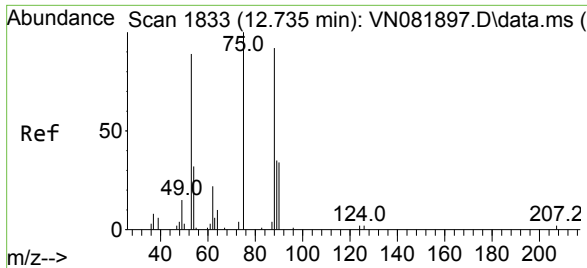
Tgt Ion: 98 Resp: 261961
Ion Ratio Lower Upper
98 100
100 68.2 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.714 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081975.D
Acq: 02 May 2024 12:38

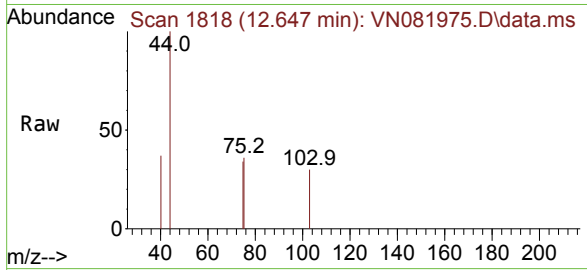
Tgt Ion: 75 Resp: 47357
Ion Ratio Lower Upper
75 100
77 1.5 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 0.350 ug/l
 RT: 12.647 min Scan# 11
 Delta R.T. -0.088 min
 Lab File: VN081975.D
 Acq: 02 May 2024 12:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 441
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

