

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082102.D
 Acq On : 13 May 2024 17:34
 Operator : JC\MD
 Sample : P2461-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240430002-03-TRIP-BLANK

Quant Time: May 14 03:34:55 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)

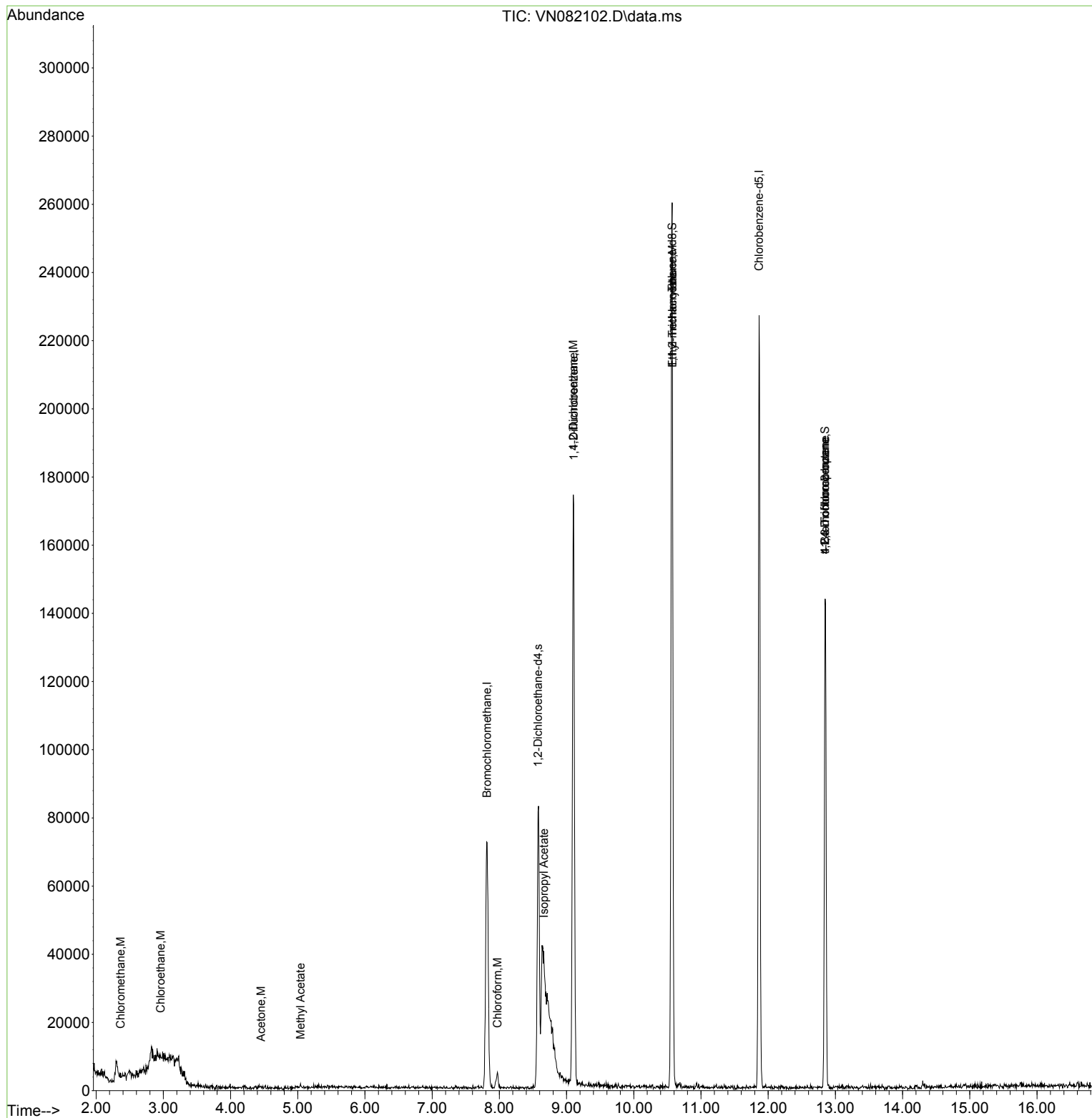
Internal Standards						
1) Bromochloromethane	7.818	128	22723	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	137252	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	118207	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	64350	33.824	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	112.733%	#
60) 4-Bromofluorobenzene	12.847	95	50835	25.841	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	86.133%	
63) Toluene-d8	10.571	98	173958	30.988	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	103.300%	
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	335	0.224	ug/l	# 43
6) Chloroethane	2.959	64	1422	1.777	ug/l	99
12) Methyl Acetate	5.042	43	364	0.210	ug/l	# 40
15) Acetone	4.453	58	168	0.946	ug/l	# 1
25) Chloroform	7.971	83	3728	1.358	ug/l	96
36) 1,2-Dichloroethane	9.100	62	5877	2.686	ug/l	# 72
44) Isopropyl Acetate	8.665	43	3212	0.788	ug/l	# 59
50) 1,1,2-Trichloroethane	10.576	97	5449	3.738	ug/l	# 1
51) Ethyl methacrylate	10.576	69	712	0.259	ug/l	# 56
72) 1,2,3-Trichloropropane	12.847	75	29521	16.155	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	29521	36.297	ug/l	# 12

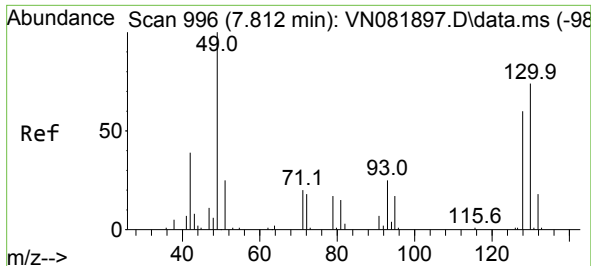
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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240430002-03-TRIP-BLANK

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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: VN082102.D

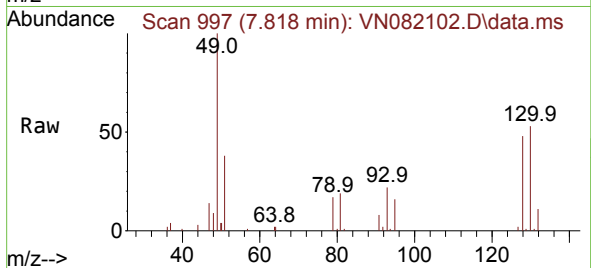
Acq: 13 May 2024 17:34

Instrument :

MSVOA_N

ClientSampleId :

240430002-03-TRIP-BLANK



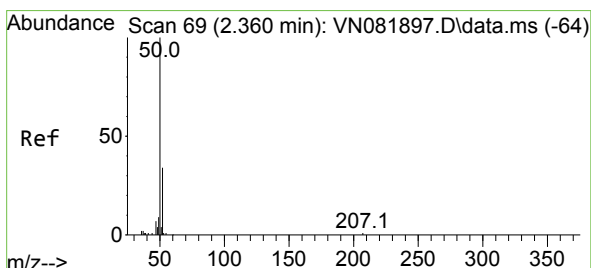
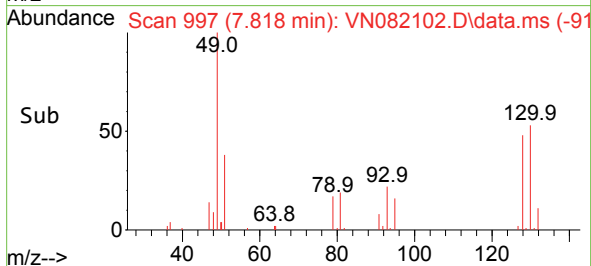
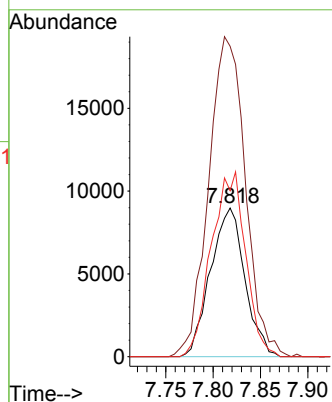
Tgt Ion:128 Resp: 22723

Ion Ratio Lower Upper

128 100

49 229.6 0.0 403.7

130 123.5 0.0 323.3



#3

Chloromethane

Concen: 0.224 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082102.D

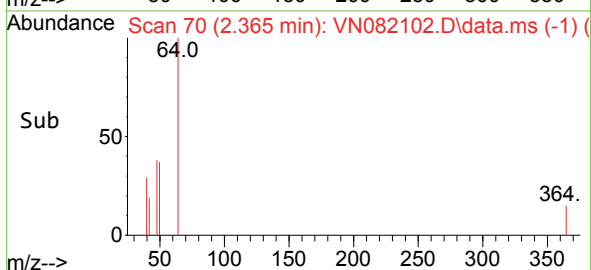
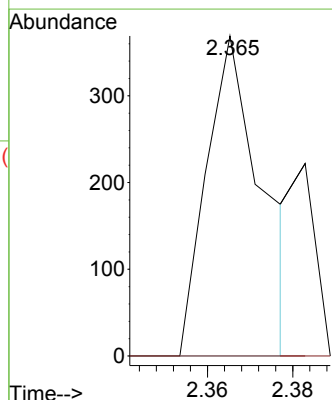
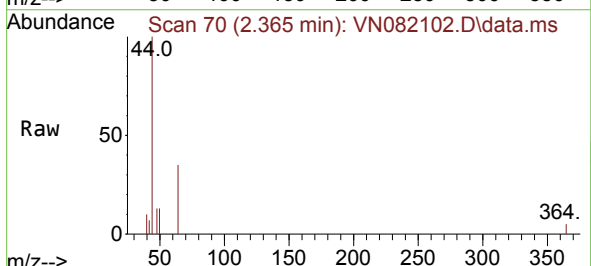
Acq: 13 May 2024 17:34

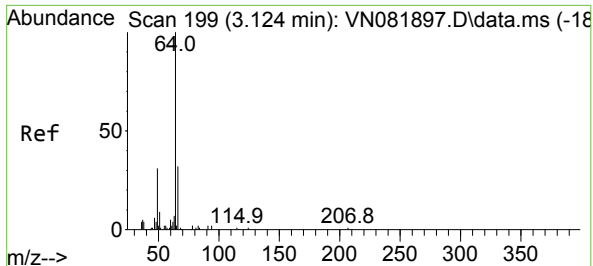
Tgt Ion: 50 Resp: 335

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.0#

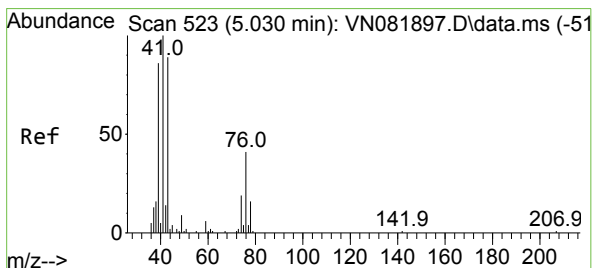
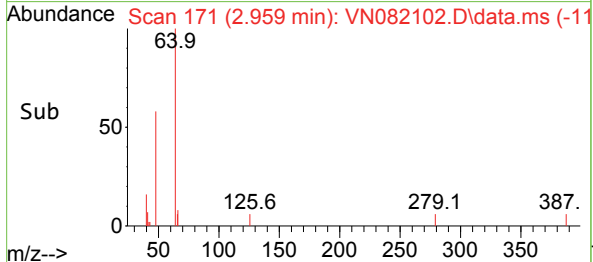
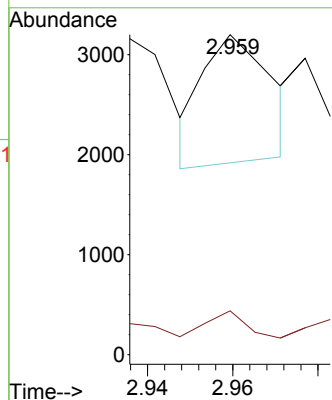
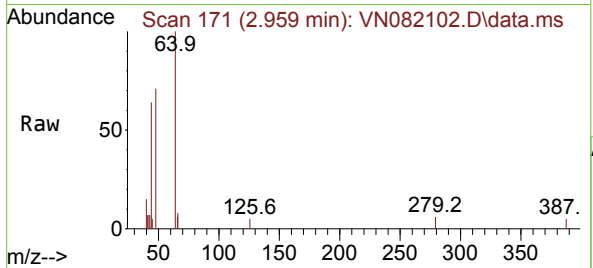




#6
Chloroethane
Concen: 1.777 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.165 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

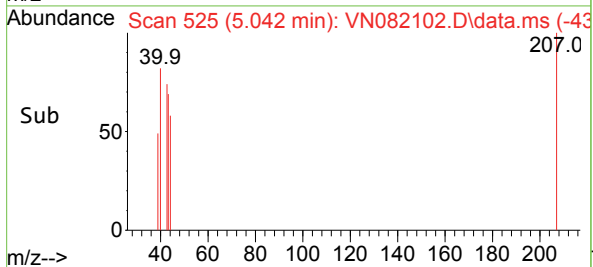
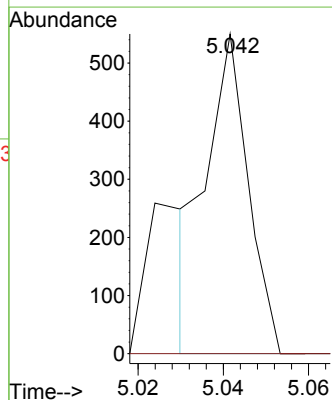
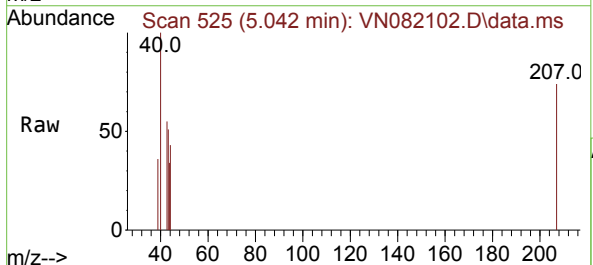
Instrument :
MSVOA_N
ClientSampleId :
240430002-03-TRIP-BLANK

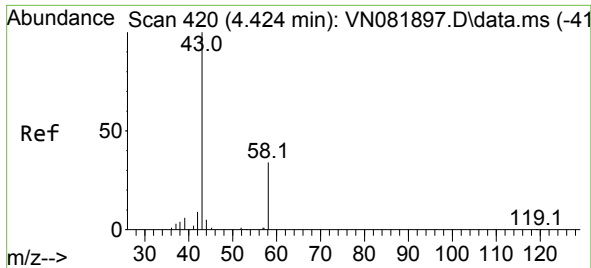
Tgt Ion: 64 Resp: 1422
Ion Ratio Lower Upper
64 100
66 32.7 26.7 40.1



#12
Methyl Acetate
Concen: 0.210 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

Tgt Ion: 43 Resp: 364
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#





#15

Acetone

Concen: 0.946 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN082102.D

Acq: 13 May 2024 17:34

Instrument :

MSVOA_N

ClientSampleId :

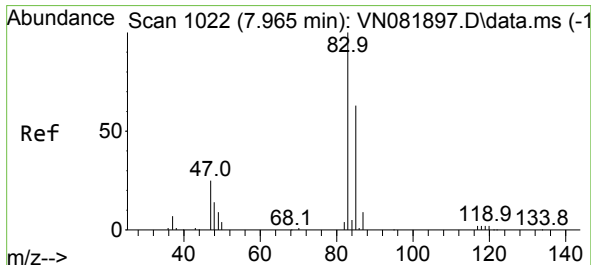
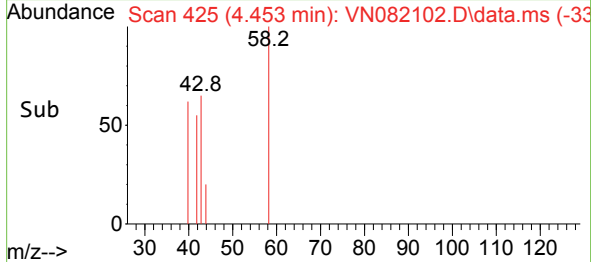
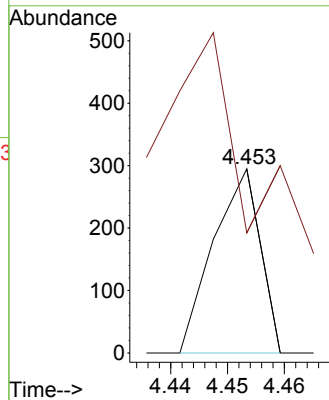
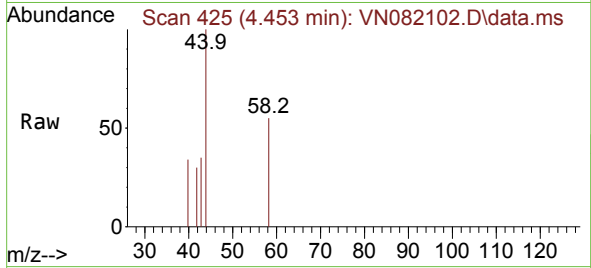
240430002-03-TRIP-BLANK

Tgt Ion: 58 Resp: 168

Ion Ratio Lower Upper

58 100

43 0.0 223.1 334.7#



#25

Chloroform

Concen: 1.358 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN082102.D

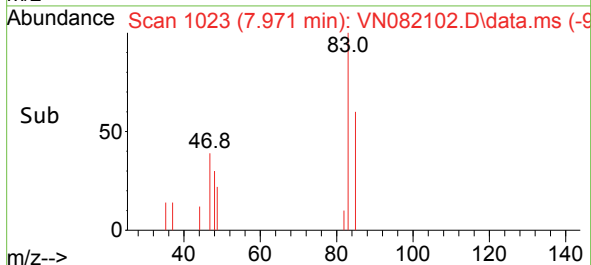
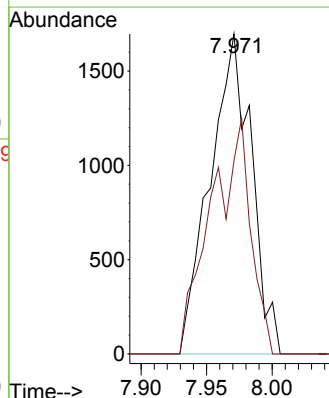
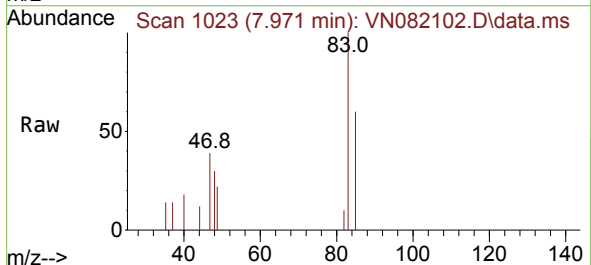
Acq: 13 May 2024 17:34

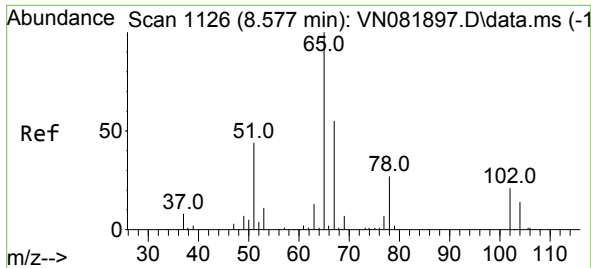
Tgt Ion: 83 Resp: 3728

Ion Ratio Lower Upper

83 100

85 60.3 50.9 76.3

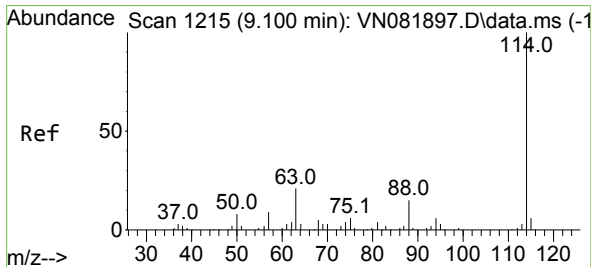
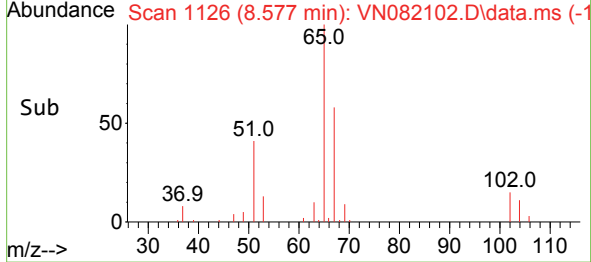
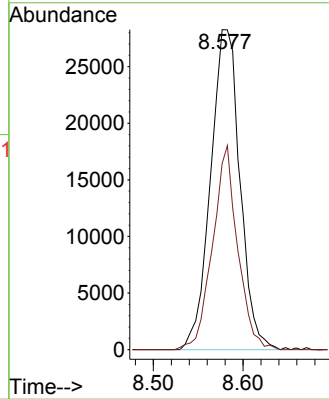
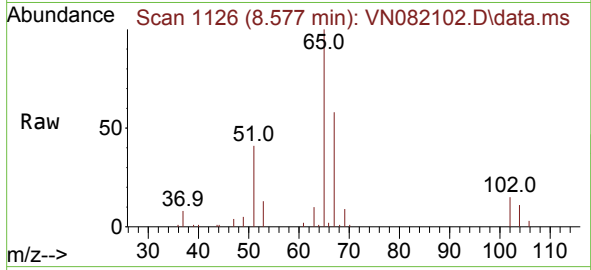




#27
1,2-Dichloroethane-d4
Concen: 33.824 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

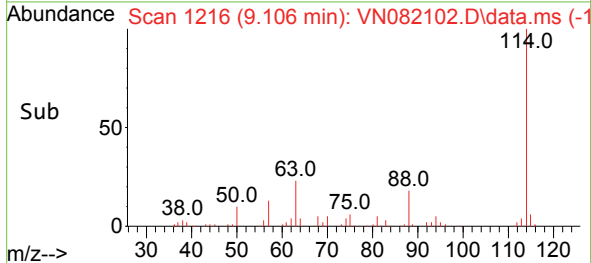
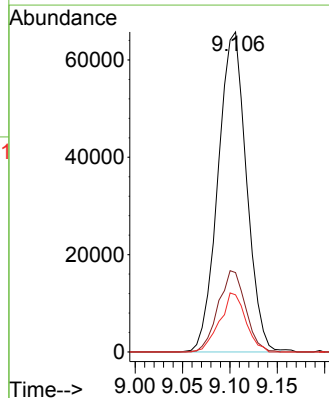
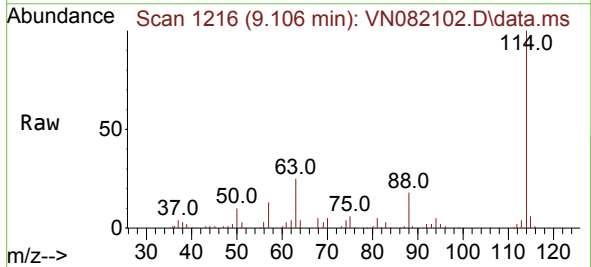
Instrument :
MSVOA_N
ClientSampleId :
240430002-03-TRIP-BLANK

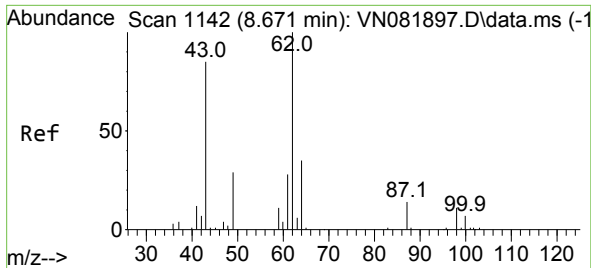
Tgt Ion: 65 Resp: 64350
Ion Ratio Lower Upper
65 100
67 54.1 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

Tgt Ion:114 Resp: 137252
Ion Ratio Lower Upper
114 100
63 24.4 15.9 23.9#
88 16.9 12.7 19.1

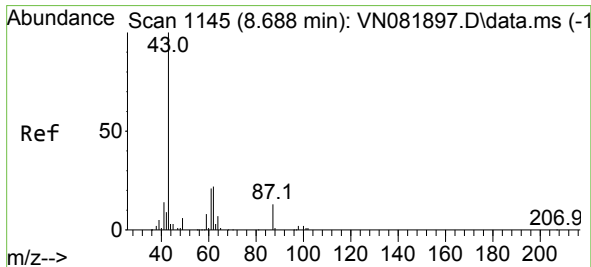
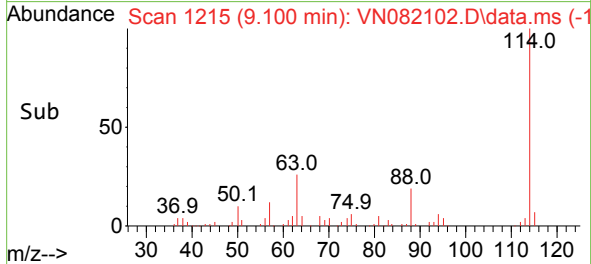
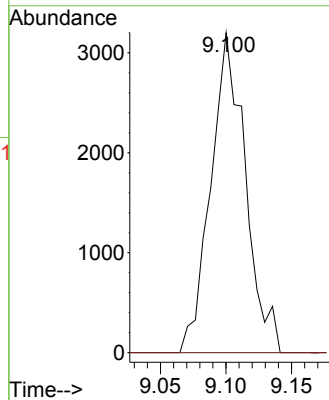
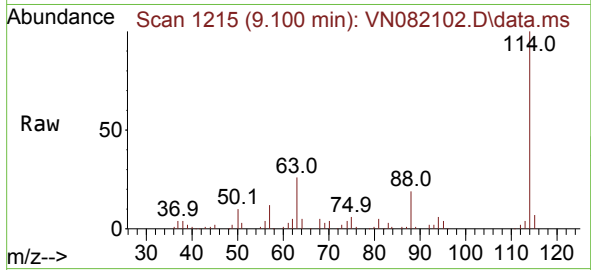




#36
1,2-Dichloroethane
Concen: 2.686 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

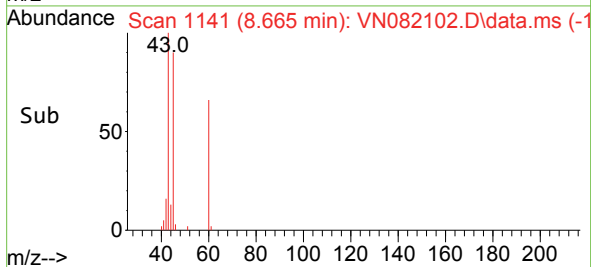
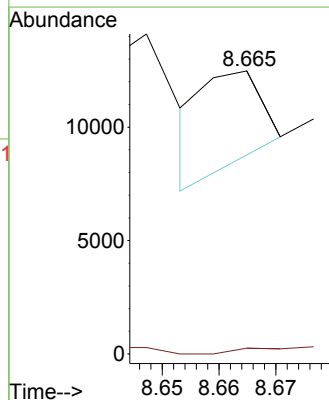
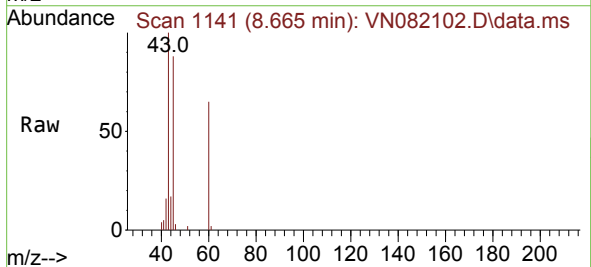
Instrument :
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ClientSampleId :
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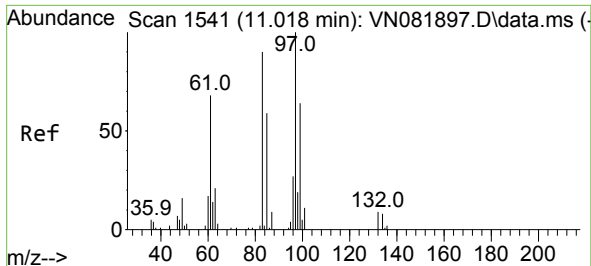
Tgt Ion: 62 Resp: 5877
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#44
Isopropyl Acetate
Concen: 0.788 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.024 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

Tgt Ion: 43 Resp: 3212
Ion Ratio Lower Upper
43 100
61 8.8 25.0 37.4#

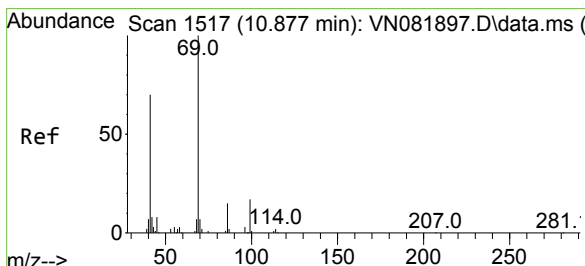
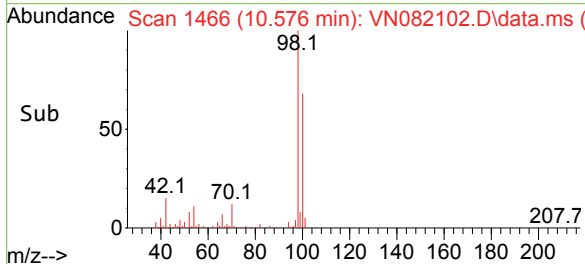
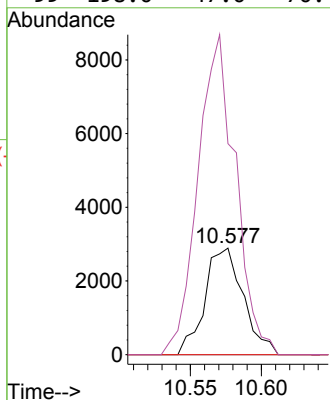
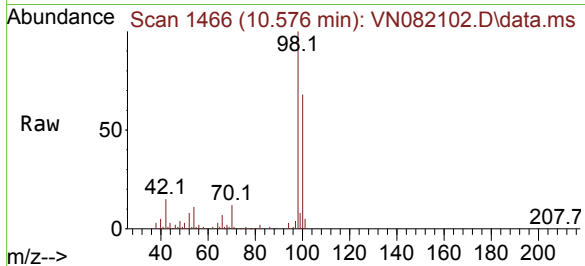




#50
1,1,2-Trichloroethane
Concen: 3.738 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

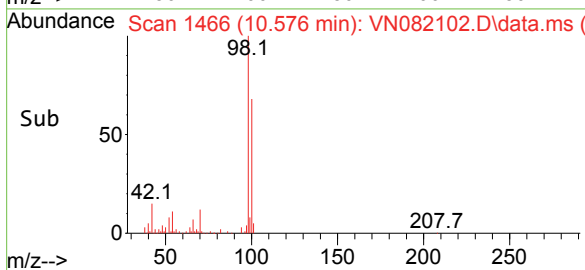
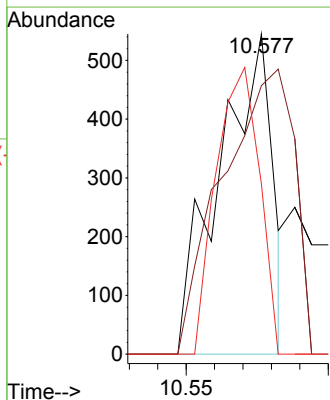
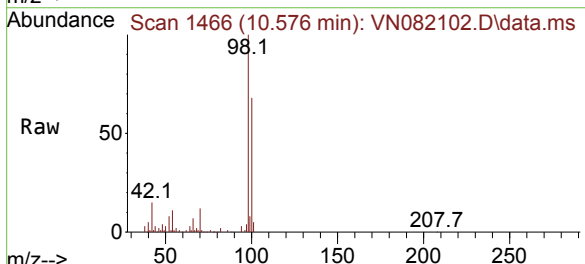
Instrument : MSVOA_N
ClientSampleId : 240430002-03-TRIP-BLANK

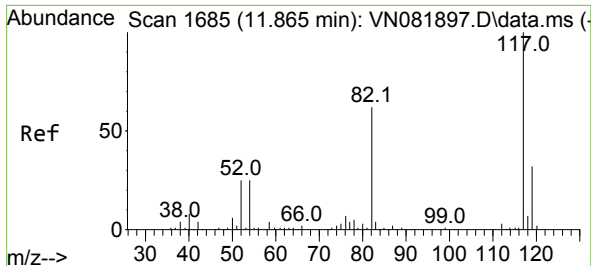
Tgt Ion:	97	Resp:	5449
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.1	102.1#
85	0.0	41.8	62.6#
99	198.0	47.0	70.4#



#51
Ethyl methacrylate
Concen: 0.259 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

Tgt Ion:	69	Resp:	712
Ion	Ratio	Lower	Upper
69	100		
41	83.9	25.5	76.5#
39	53.2	16.0	47.9#

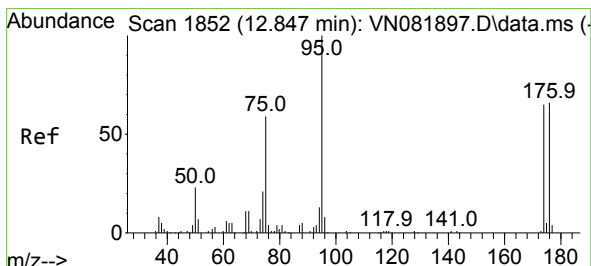
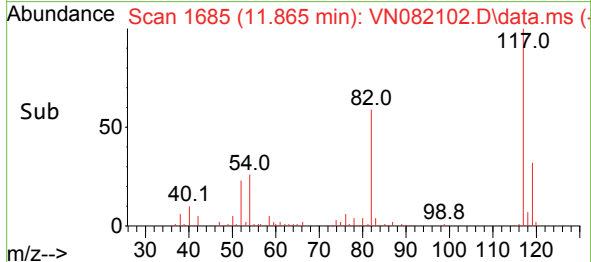
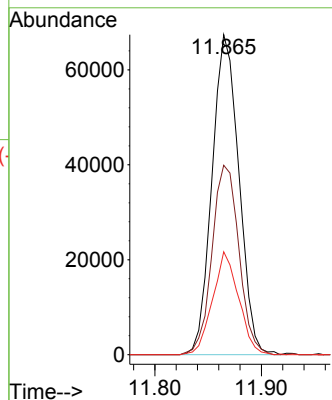
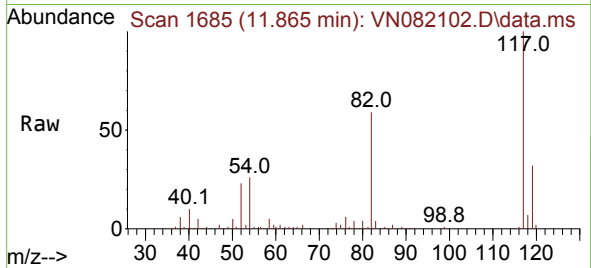




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 118207
Delta R.T. -0.000 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

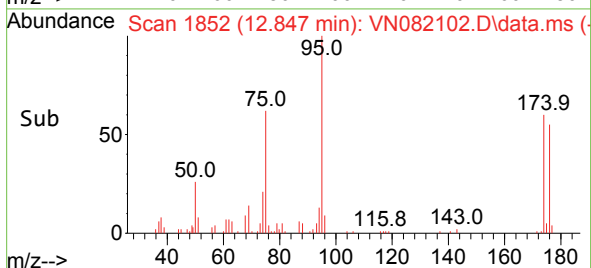
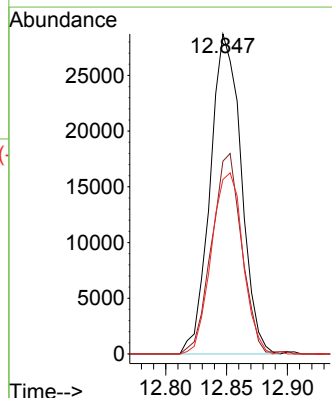
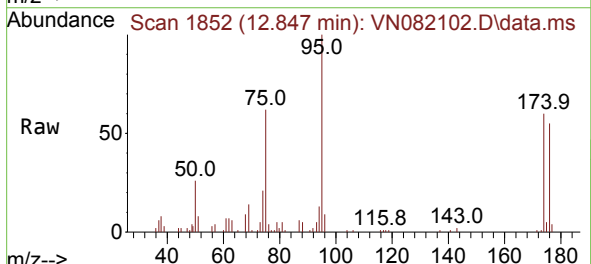
Instrument :
MSVOA_N
ClientSampleId :
240430002-03-TRIP-BLANK

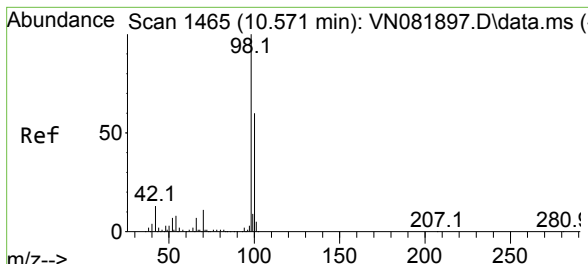
Tgt Ion:117 Resp: 118207
Ion Ratio Lower Upper
117 100
82 59.4 46.6 69.8
119 31.2 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.841 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

Tgt Ion: 95 Resp: 50835
Ion Ratio Lower Upper
95 100
174 60.7 60.5 90.7
176 57.6 57.8 86.6#

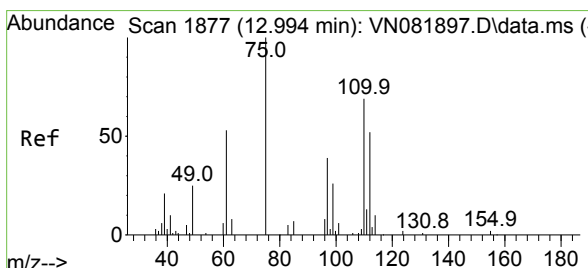
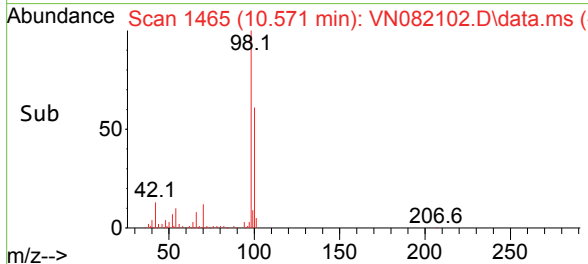
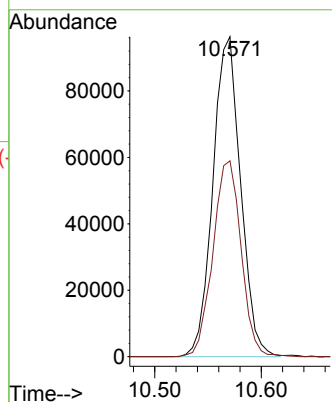
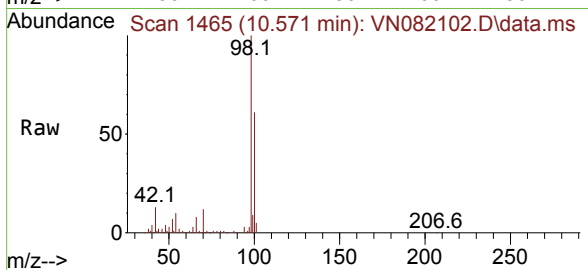




#63
Toluene-d8
Concen: 30.988 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

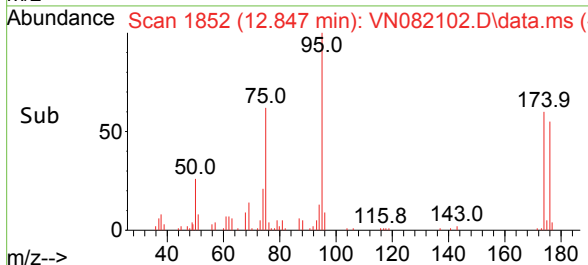
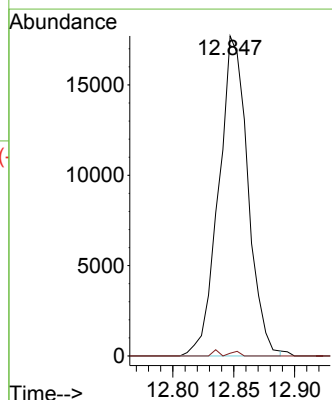
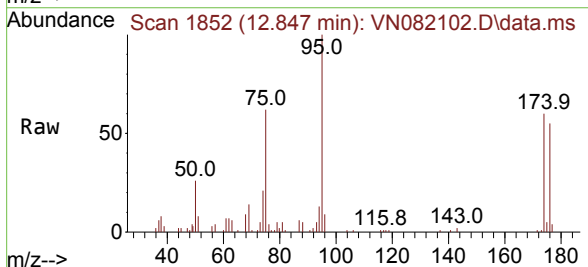
Instrument : MSVOA_N
ClientSampleId : 240430002-03-TRIP-BLANK

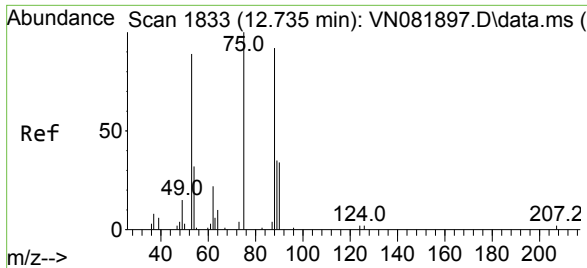
Tgt Ion: 98 Resp: 173958
Ion Ratio Lower Upper
98 100
100 62.2 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.155 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082102.D
Acq: 13 May 2024 17:34

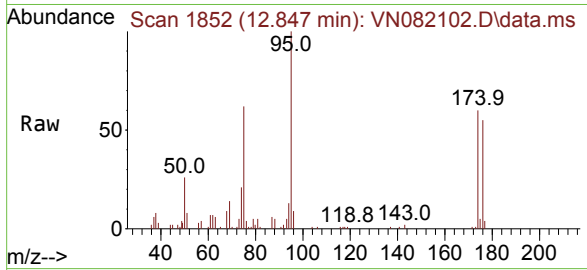
Tgt Ion: 75 Resp: 29521
Ion Ratio Lower Upper
75 100
77 0.5 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.297 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082102.D
 Acq: 13 May 2024 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 240430002-03-TRIP-BLANK



Tgt Ion: 75 Resp: 29521
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#

