

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082037.D
 Acq On : 08 May 2024 19:13
 Operator : JC\MD
 Sample : P2427-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240424030-03-TRIP-BLANK

Quant Time: May 09 01:06:01 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)

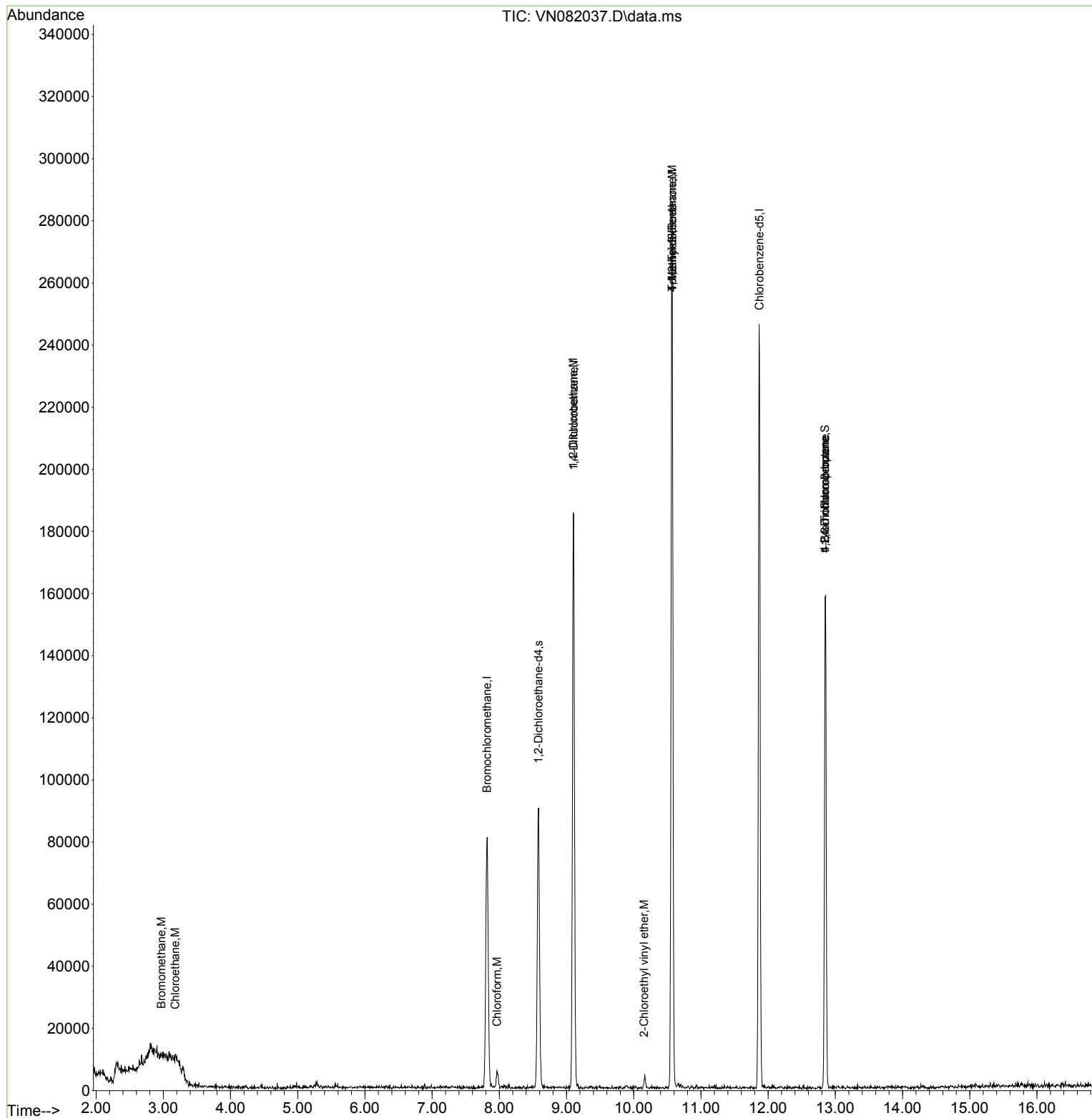
Internal Standards						
1) Bromochloromethane	7.818	128	25600	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	151338	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	130241	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	69307	32.336	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.800%
60) 4-Bromofluorobenzene	12.847	95	56638	26.131	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.100%
63) Toluene-d8	10.571	98	189897	30.702	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.333%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	251	0.302	ug/l #	4
6) Chloroethane	3.177	64	2445	2.712	ug/l	99
25) Chloroform	7.965	83	4324	1.399	ug/l	84
36) 1,2-Dichloroethane	9.100	62	6145	2.547	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	5884	3.660	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.153	63	1285	0.847	ug/l #	90
58) 4-Methyl-2-Pentanone	10.571	43	1183	0.468	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	33228	16.504	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	33228	37.080	ug/l #	12

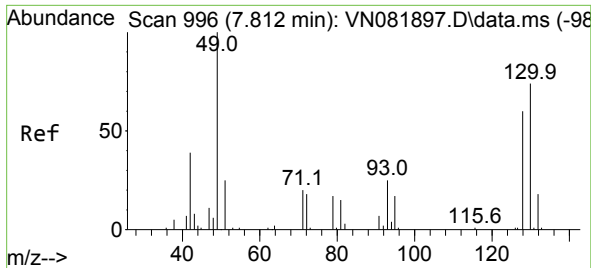
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
240424030-03-TRIP-BLANK

Quant Time: May 09 01:06:01 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

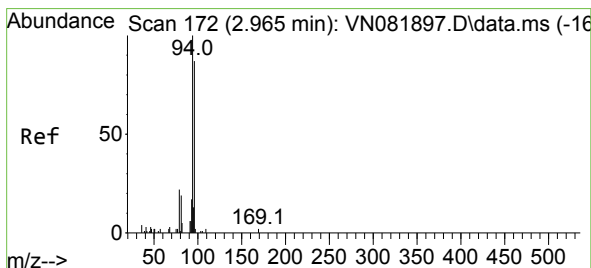
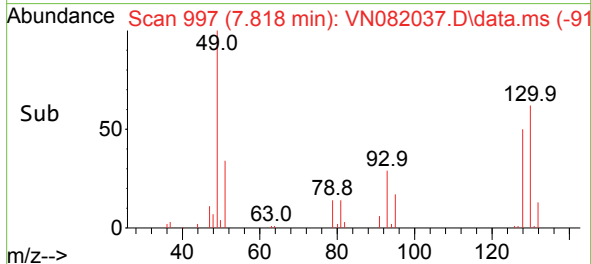
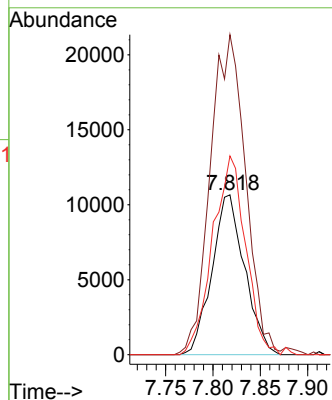
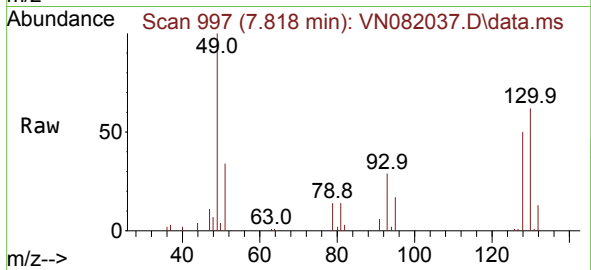




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

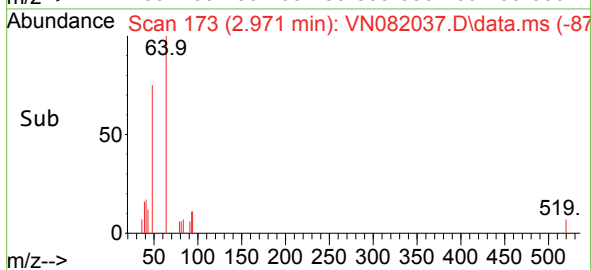
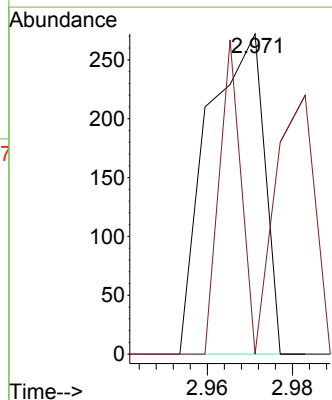
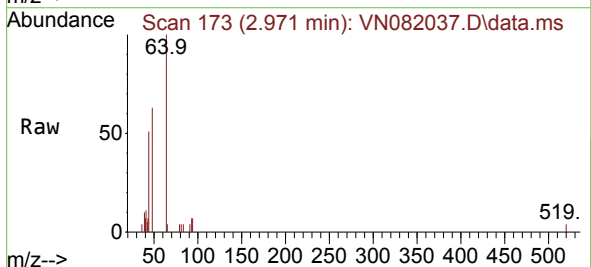
Instrument :
MSVOA_N
ClientSampleId :
240424030-03-TRIP-BLANK

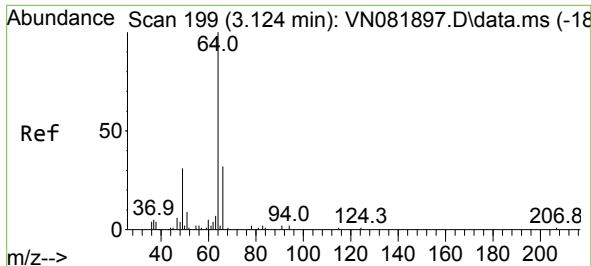
Tgt Ion:128 Resp: 25600
Ion Ratio Lower Upper
128 100
49 216.2 0.0 403.7
130 125.5 0.0 323.3



#5
Bromomethane
Concen: 0.302 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.006 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#

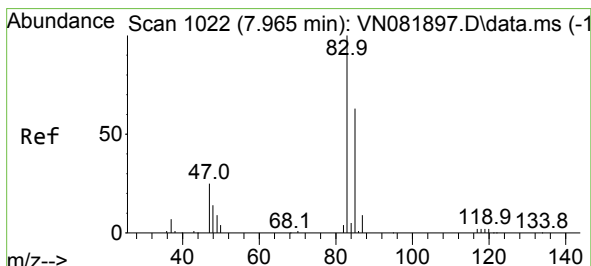
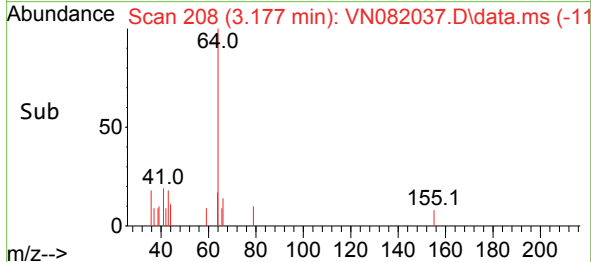
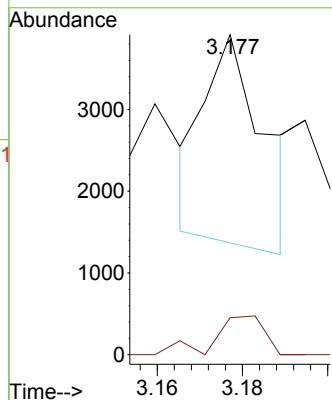
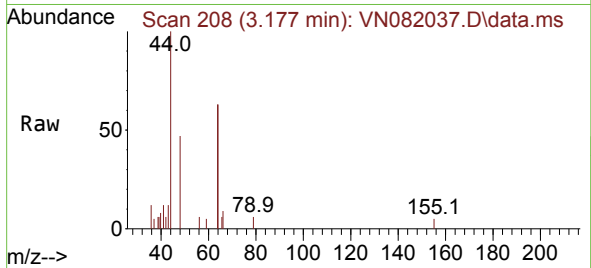




#6
Chloroethane
Concen: 2.712 ug/l
RT: 3.177 min Scan# 20
Delta R.T. 0.053 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

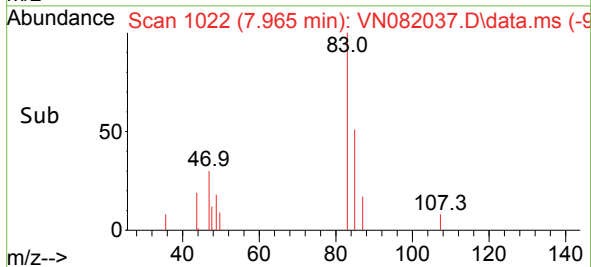
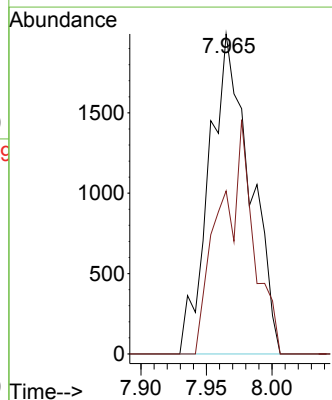
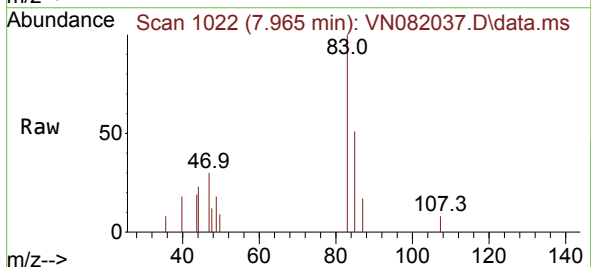
Instrument :
MSVOA_N
ClientSampleId :
240424030-03-TRIP-BLANK

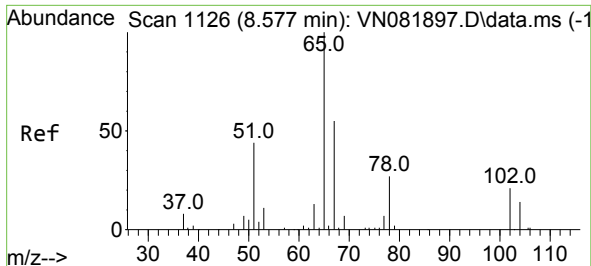
Tgt Ion: 64 Resp: 2445
Ion Ratio Lower Upper
64 100
66 33.1 26.7 40.1



#25
Chloroform
Concen: 1.399 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

Tgt Ion: 83 Resp: 4324
Ion Ratio Lower Upper
83 100
85 50.9 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 32.336 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082037.D

Acq: 08 May 2024 19:13

Instrument :

MSVOA_N

ClientSampleId :

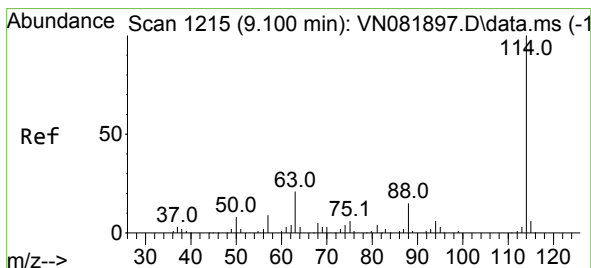
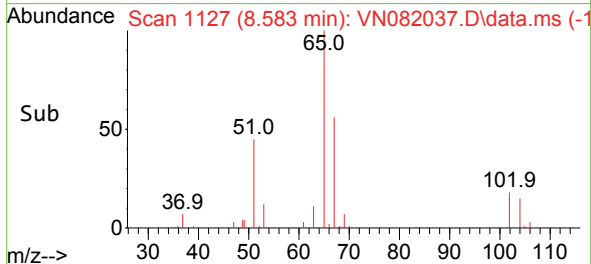
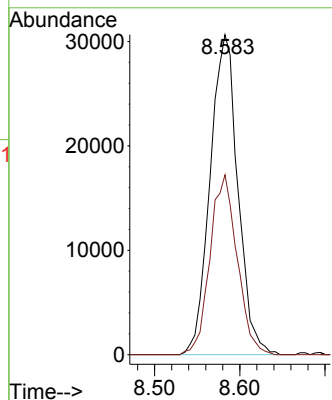
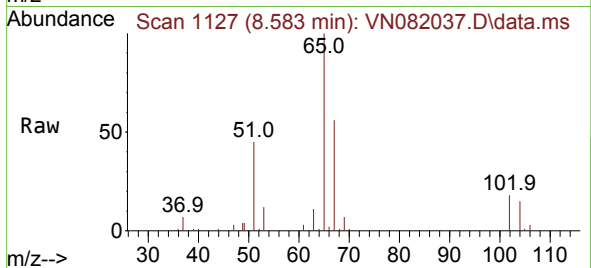
240424030-03-TRIP-BLANK

Tgt Ion: 65 Resp: 69307

Ion Ratio Lower Upper

65 100

67 54.9 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: VN082037.D

Acq: 08 May 2024 19:13

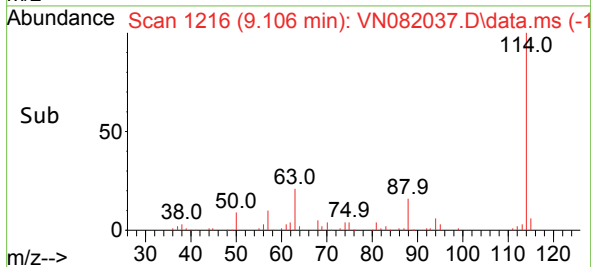
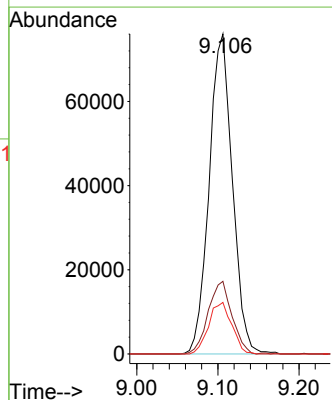
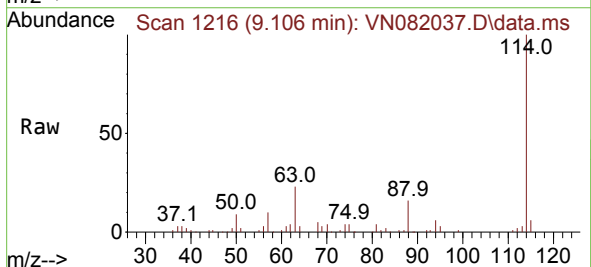
Tgt Ion: 114 Resp: 151338

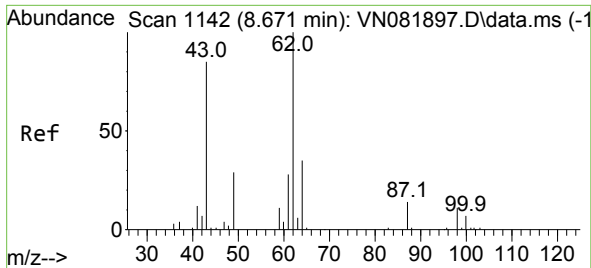
Ion Ratio Lower Upper

114 100

63 23.2 15.9 23.9

88 16.0 12.7 19.1

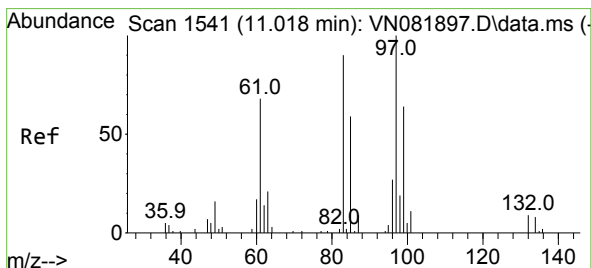
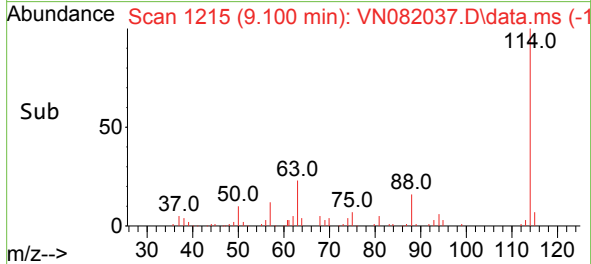
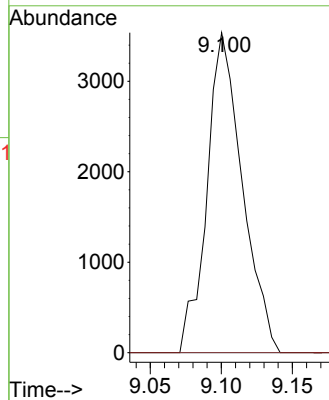
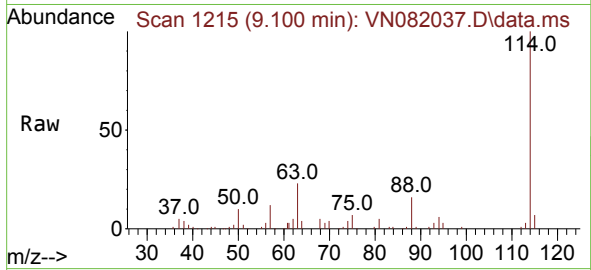




#36
1,2-Dichloroethane
Concen: 2.547 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

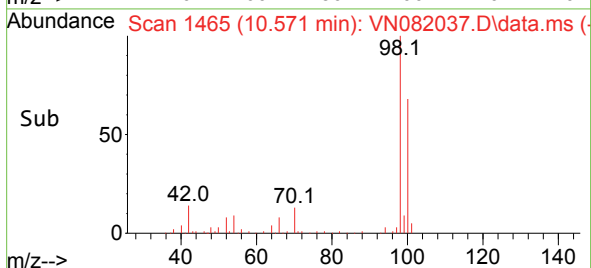
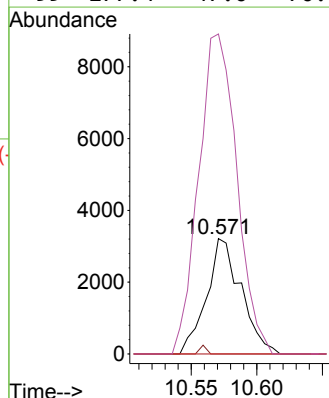
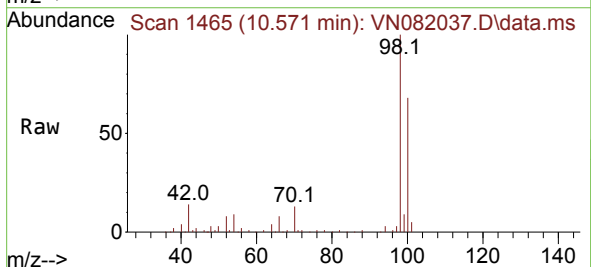
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ClientSampleId :
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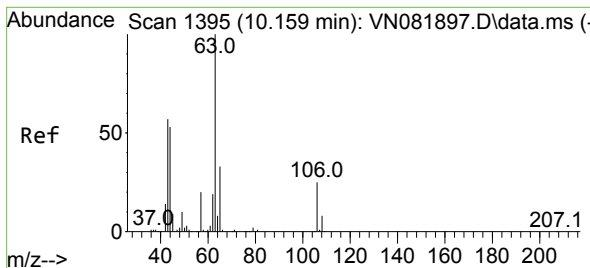
Tgt Ion: 62 Resp: 6145
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#50
1,1,2-Trichloroethane
Concen: 3.660 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

Tgt Ion: 97 Resp: 5884
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 277.4 47.0 70.4#

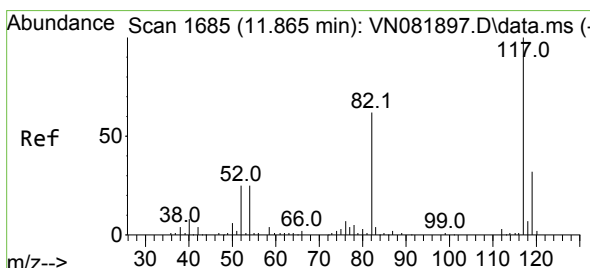
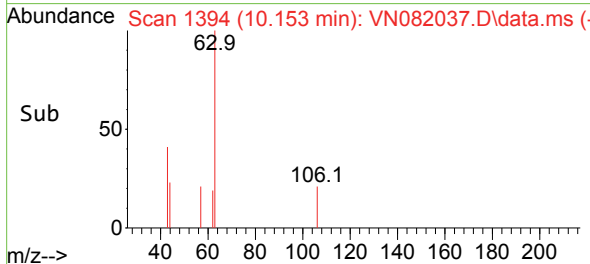
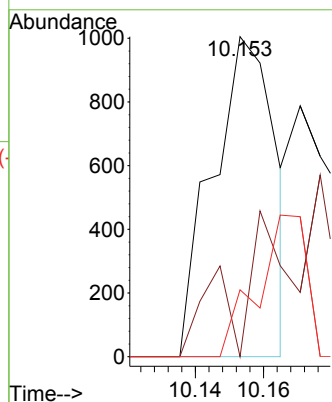
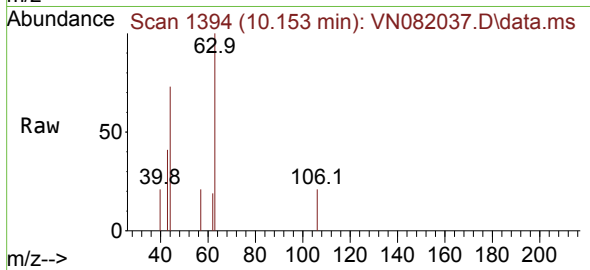




#55
2-Chloroethyl vinyl ether
Concen: 0.847 ug/l
RT: 10.153 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

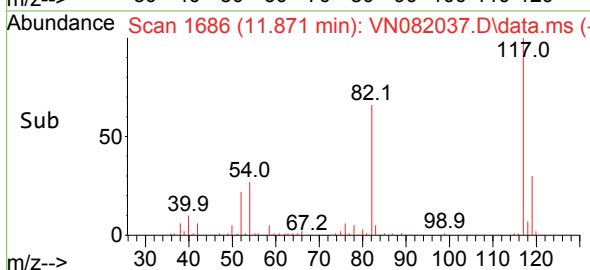
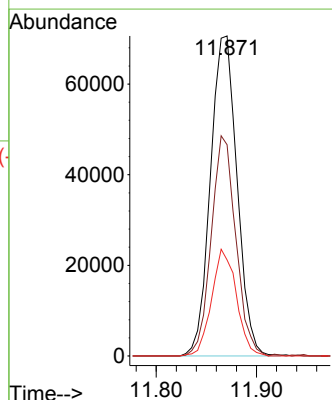
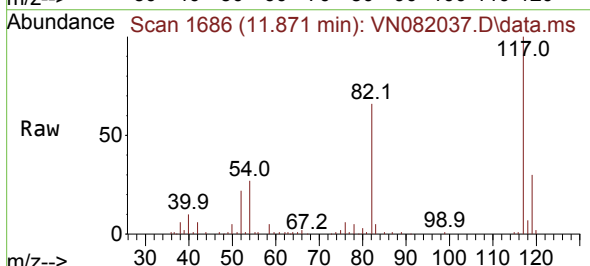
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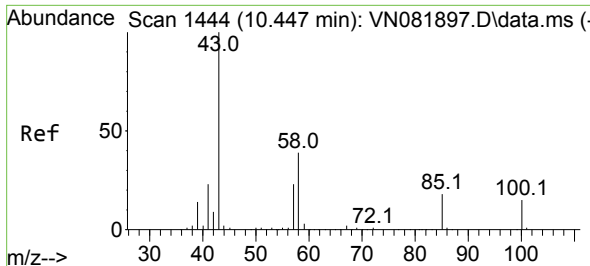
Tgt Ion: 63 Resp: 1285
Ion Ratio Lower Upper
63 100
65 26.0 26.2 39.2#
106 34.3 23.8 35.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

Tgt Ion: 117 Resp: 130241
Ion Ratio Lower Upper
117 100
82 63.5 46.6 69.8
119 31.0 25.4 38.2

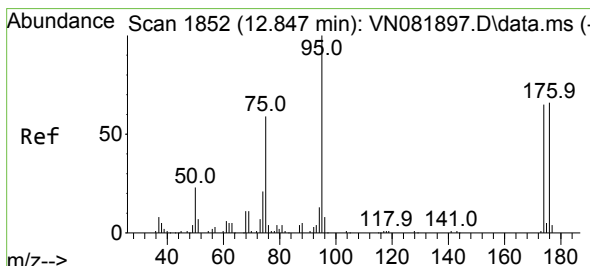
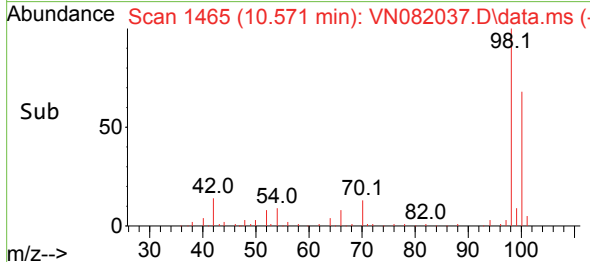
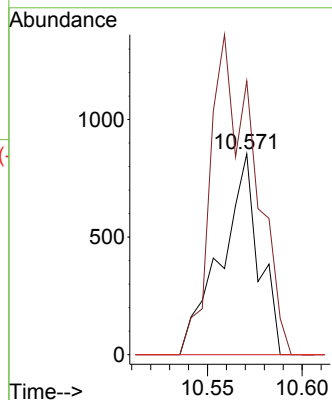
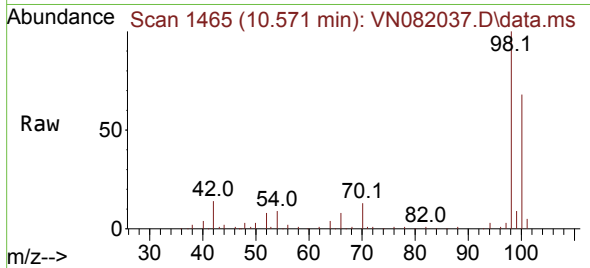




#58
4-Methyl-2-Pentanone
Concen: 0.468 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

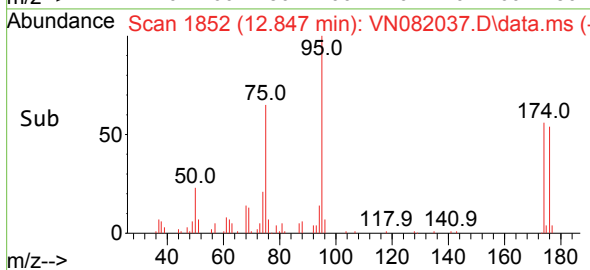
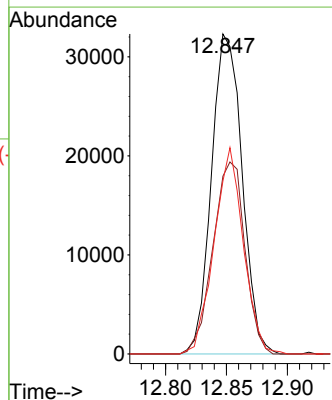
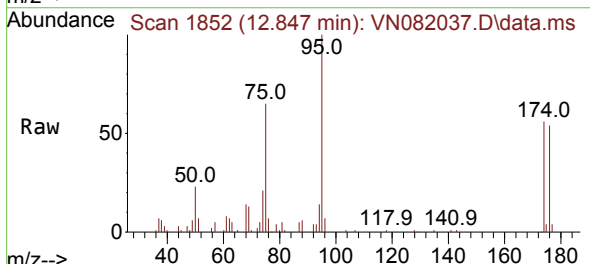
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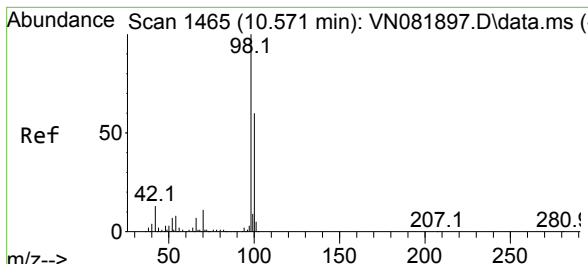
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
58 182.2 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 26.131 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

Tgt Ion: 95 Resp: 56638
Ion Ratio Lower Upper
95 100
174 62.6 60.5 90.7
176 61.5 57.8 86.6

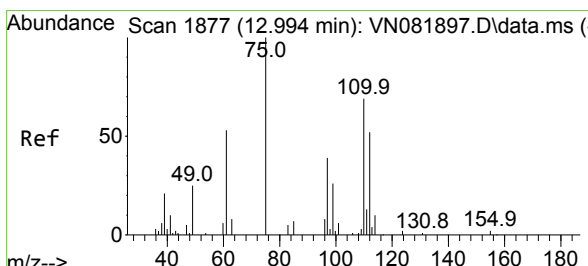
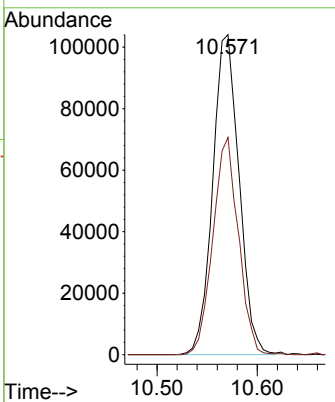
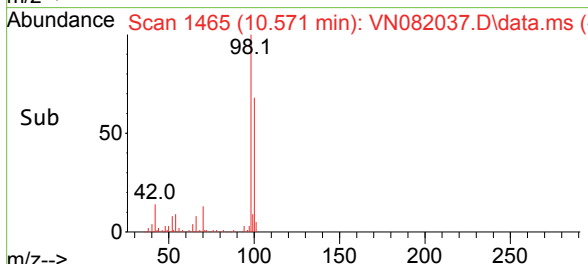
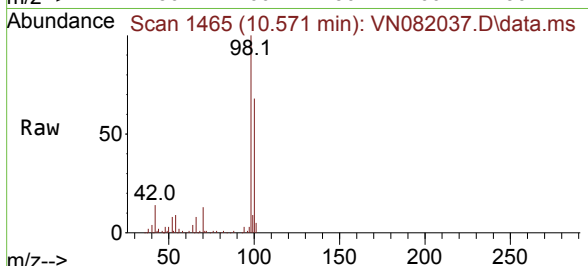




#63
Toluene-d8
Concen: 30.702 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

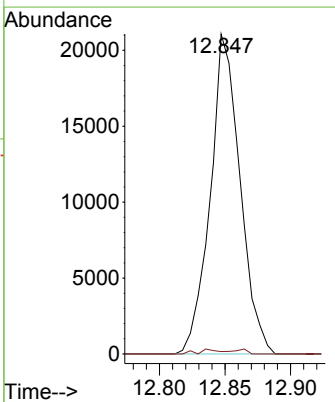
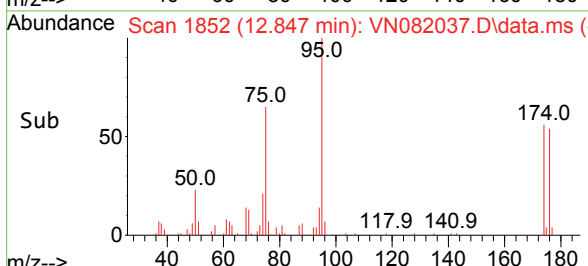
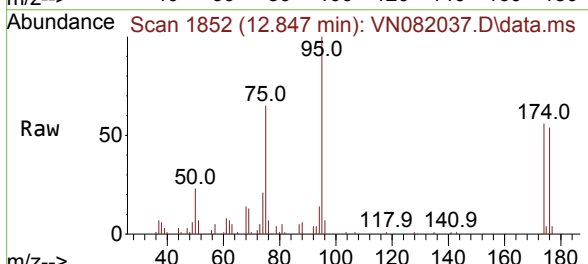
Instrument : MSVOA_N
ClientSampleId : 240424030-03-TRIP-BLANK

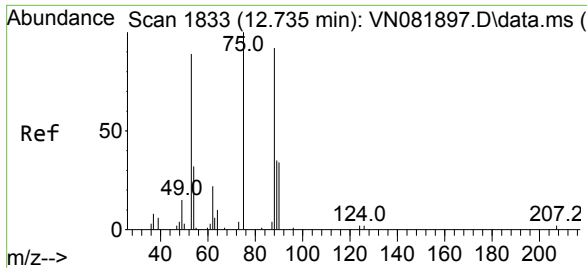
Tgt Ion: 98 Resp: 189897
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082037.D
Acq: 08 May 2024 19:13

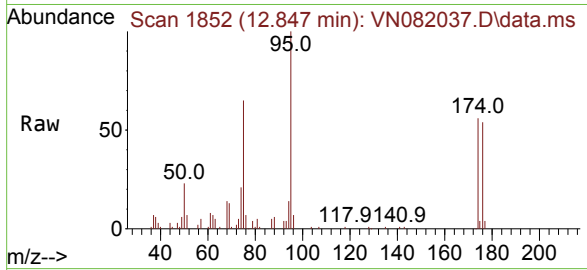
Tgt Ion: 75 Resp: 33228
Ion Ratio Lower Upper
75 100
77 0.7 0.0 367.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 37.080 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082037.D
 Acq: 08 May 2024 19:13

Instrument :
 MSVOA_N
 ClientSampleId :
 240424030-03-TRIP-BLANK



Tgt Ion:	75	Resp:	33228
Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	0.0	25.9	77.7#

