

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084181.D
 Acq On : 26 Sep 2024 17:04
 Operator : JC\MD
 Sample : P4176-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:11:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

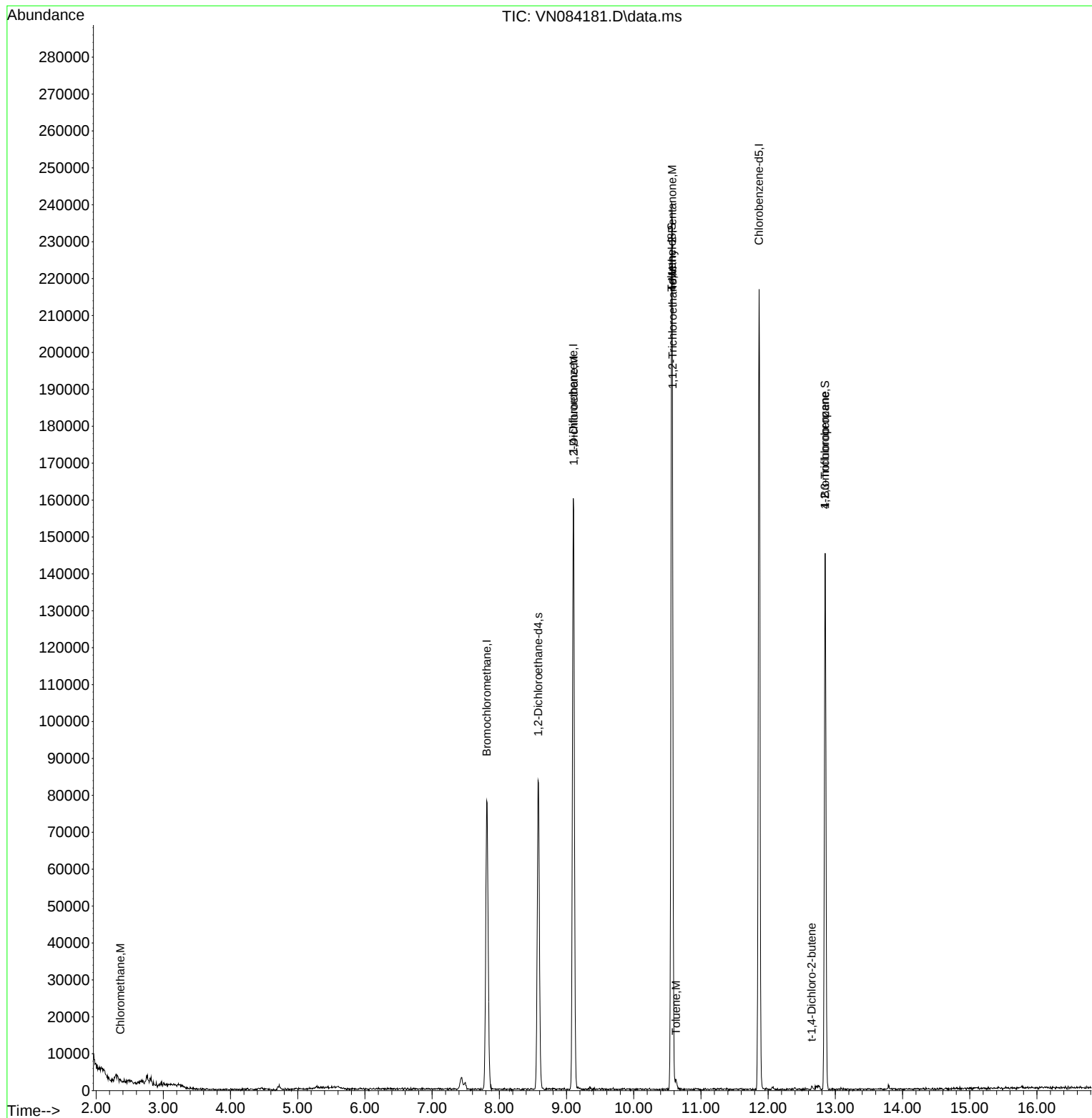
Internal Standards						
1) Bromochloromethane	7.812	128	26551	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	132830	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	120877	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	70413	29.013	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.700%
60) 4-Bromofluorobenzene	12.847	95	49139	23.587	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.633%
63) Toluene-d8	10.565	98	168570	30.118	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	371	0.201	ug/l #	43
36) 1,2-Dichloroethane	9.106	62	5073	2.135	ug/l #	72
50) 1,1,2-Trichloroethane	10.577	97	5364	3.789	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	635	0.331	ug/l #	1
62) Toluene	10.630	91	2150	0.309	ug/l	95
72) 1,2,3-Trichloropropane	12.847	75	26089	14.674	ug/l	1
77) t-1,4-Dichloro-2-butene	12.647	75	515	0.685	ug/l #	12

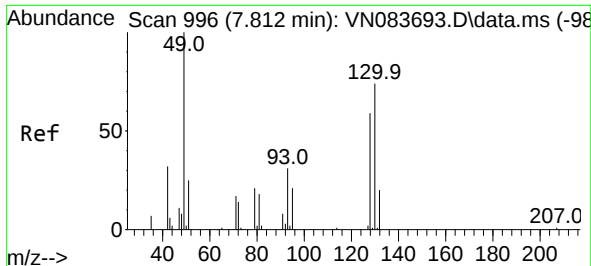
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

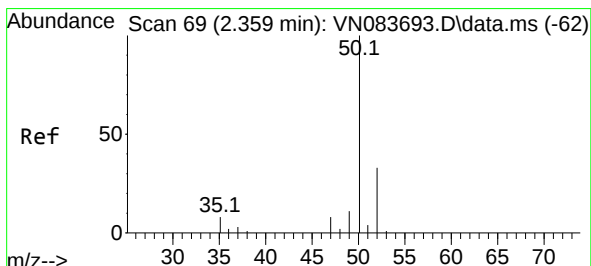
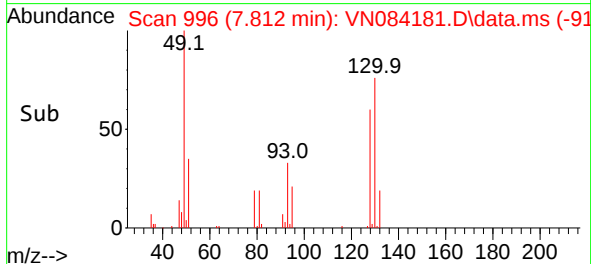
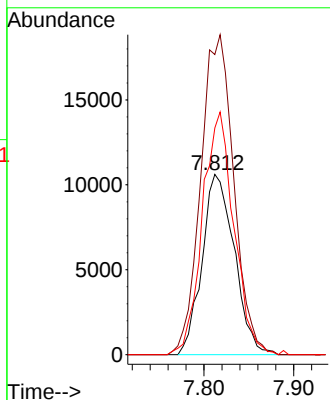
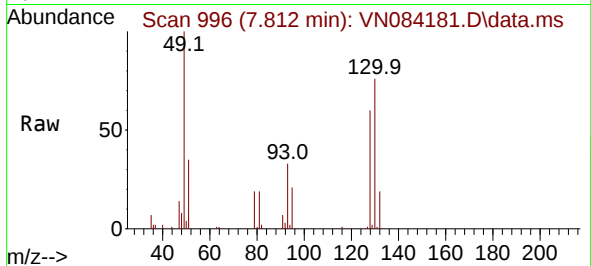




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

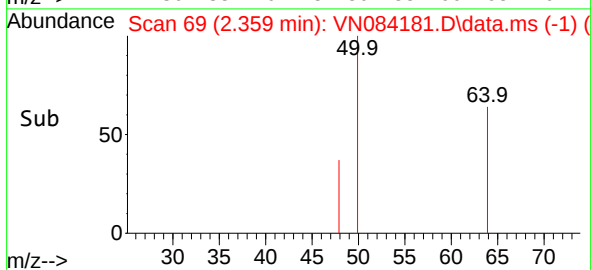
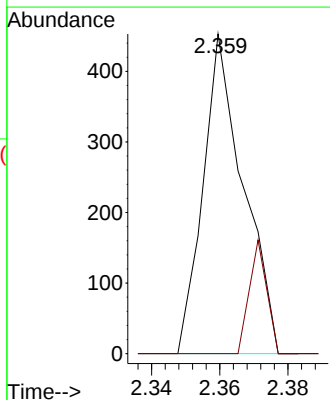
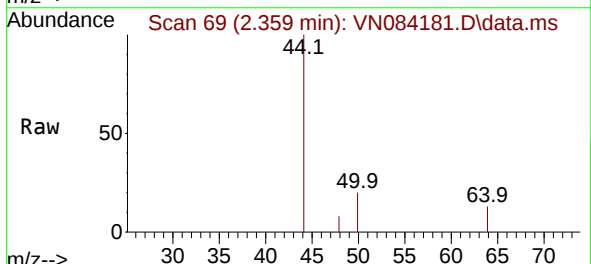
Instrument :
MSVOA_N
ClientSampleId :

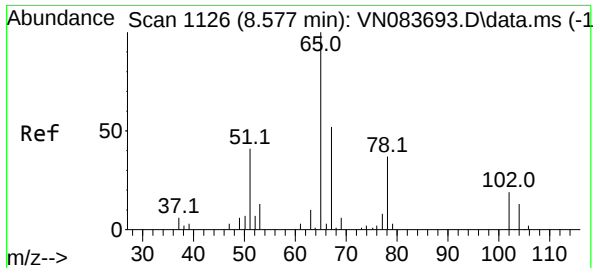
Tgt Ion	Ratio	Lower	Upper
128	100		
49	181.8	0.0	403.7
130	131.3	0.0	323.3



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

Tgt Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.4	38.0





#27

1,2-Dichloroethane-d4

Concen: 29.013 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN084181.D

Acq: 26 Sep 2024 17:04

Instrument :

MSVOA_N

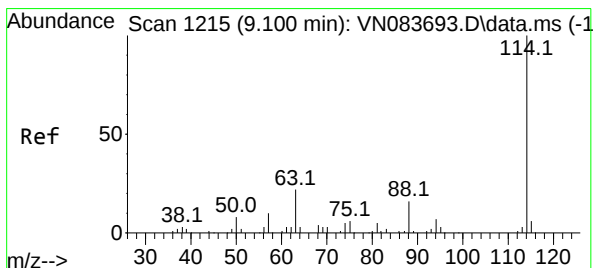
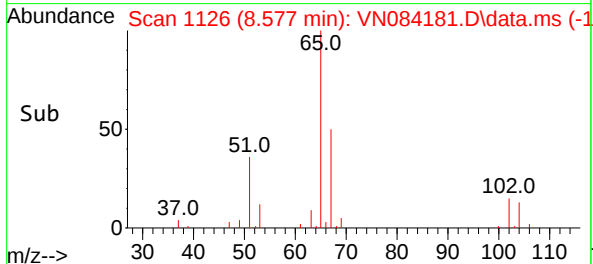
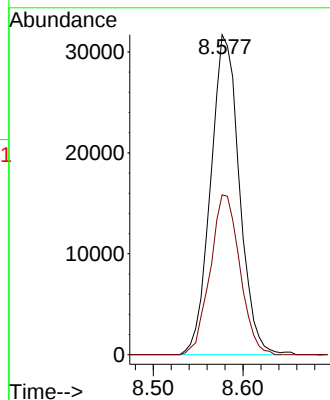
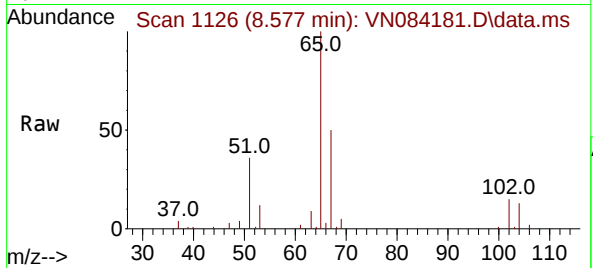
ClientSampleId :

Tgt Ion: 65 Resp: 70413

Ion Ratio Lower Upper

65 100

67 51.6 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: VN084181.D

Acq: 26 Sep 2024 17:04

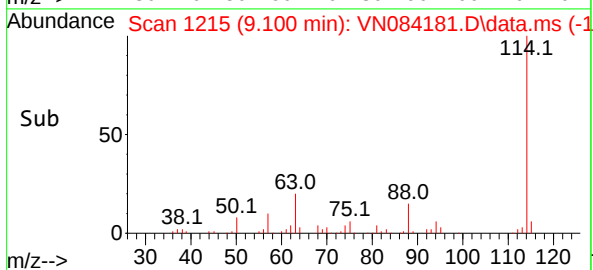
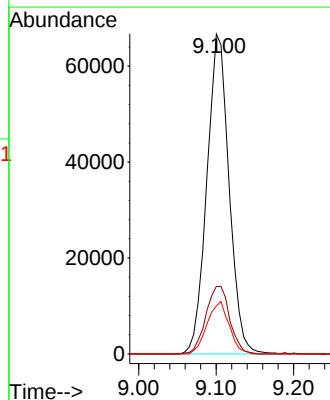
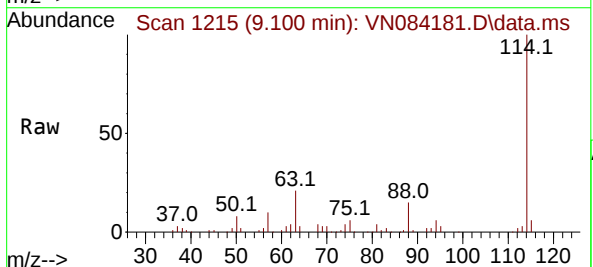
Tgt Ion: 114 Resp: 132830

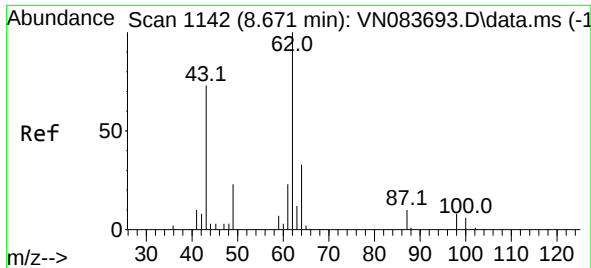
Ion Ratio Lower Upper

114 100

63 22.7 15.9 23.9

88 16.2 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.135 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. 0.435 min

Lab File: VN084181.D

Acq: 26 Sep 2024 17:04

Instrument :

MSVOA_N

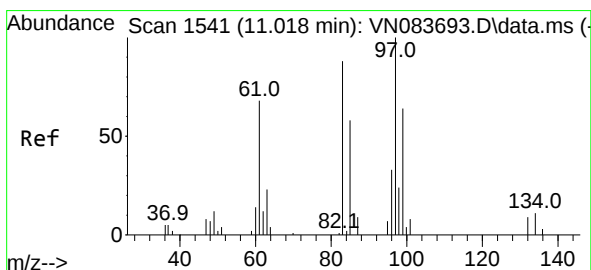
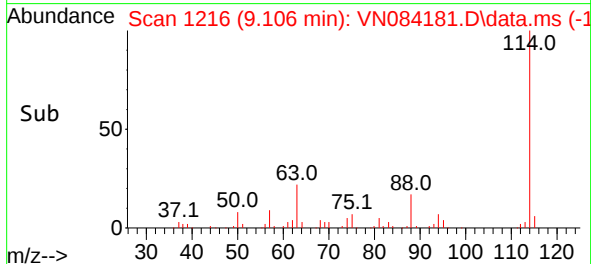
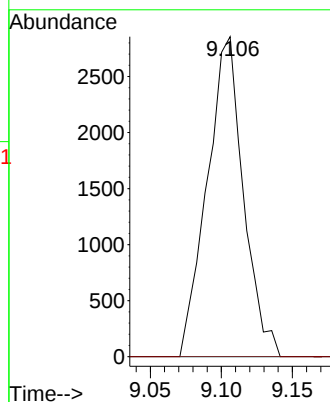
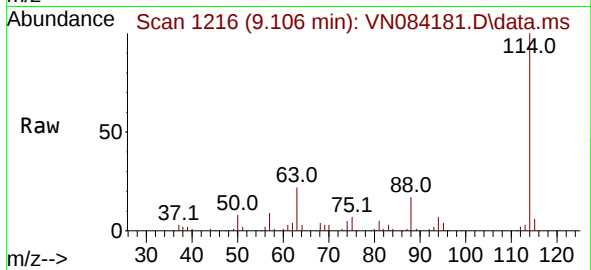
ClientSampleId :

Tgt Ion: 62 Resp: 5073

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#50

1,1,2-Trichloroethane

Concen: 3.789 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN084181.D

Acq: 26 Sep 2024 17:04

Tgt Ion: 97 Resp: 5364

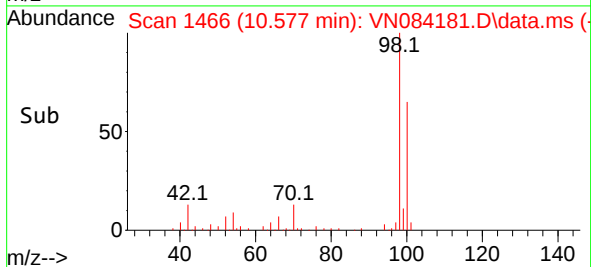
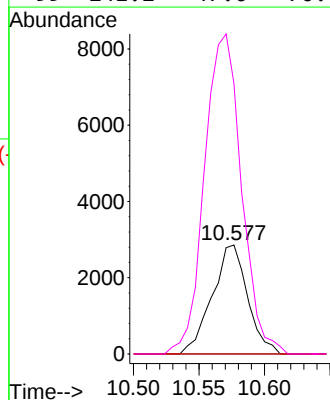
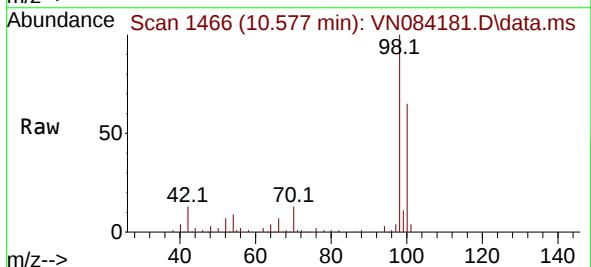
Ion Ratio Lower Upper

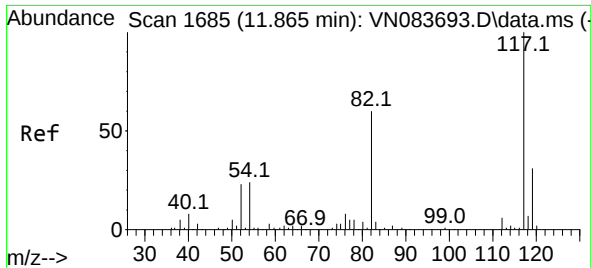
97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 241.2 47.0 70.4#

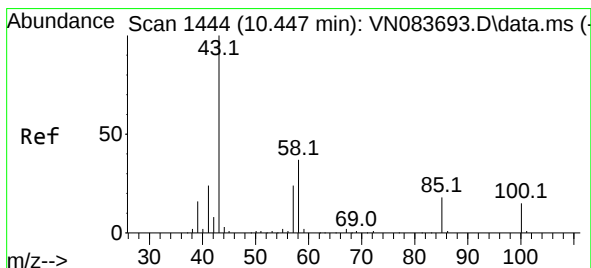
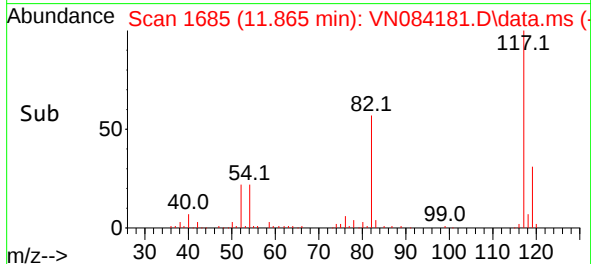
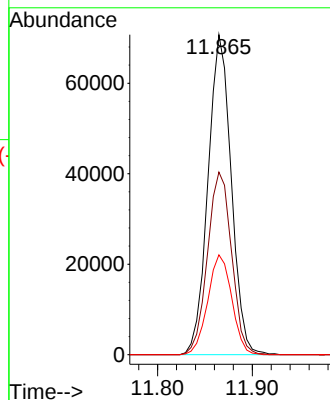
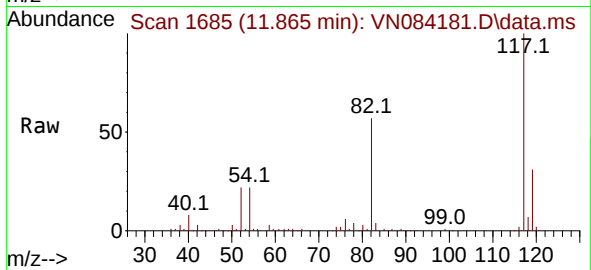




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

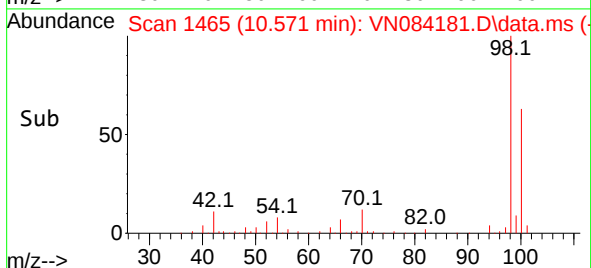
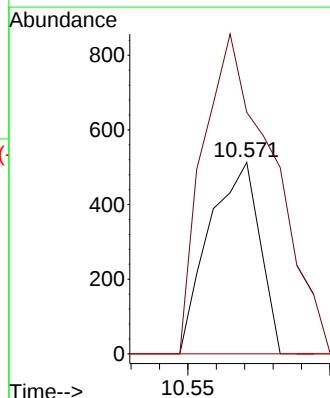
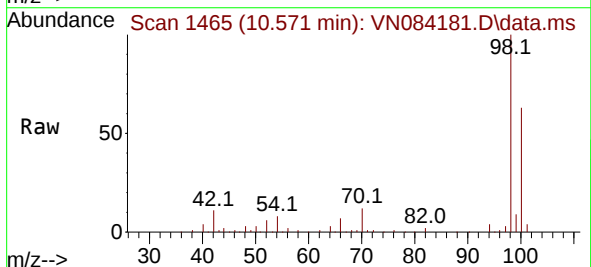
Instrument :
MSVOA_N
ClientSampleId :

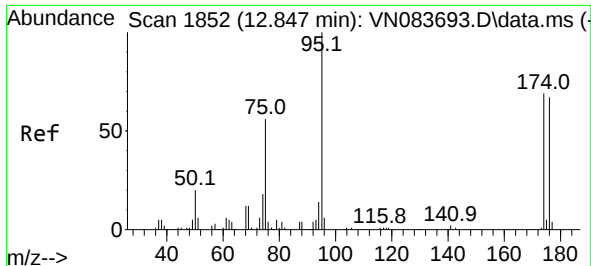
Tgt Ion:117 Resp: 120877
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 32.2 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.331 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 230.4 36.5 54.7#
85 0.0 19.5 29.3#

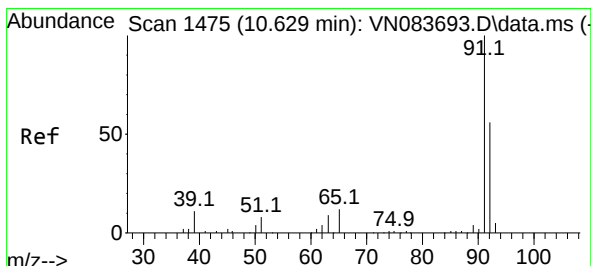
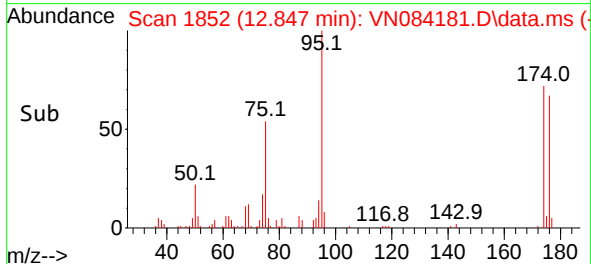
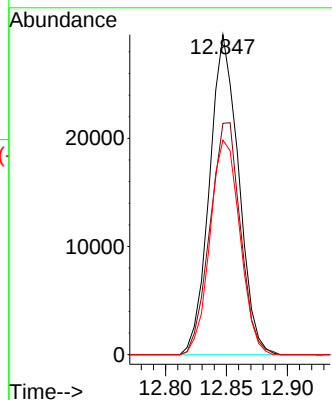
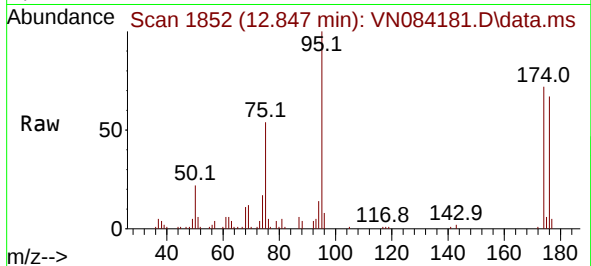




#60
4-Bromofluorobenzene
Concen: 23.587 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

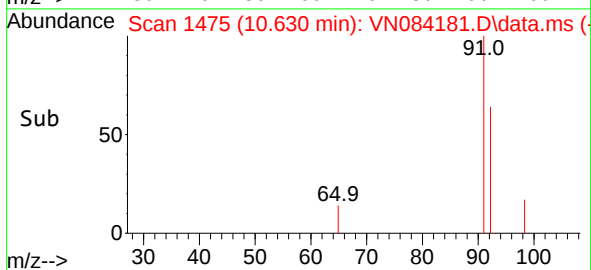
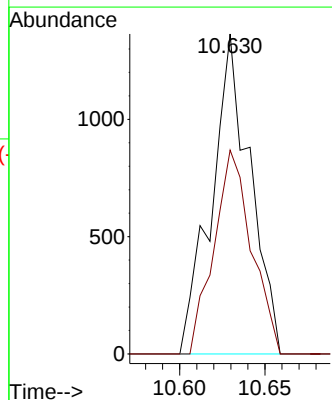
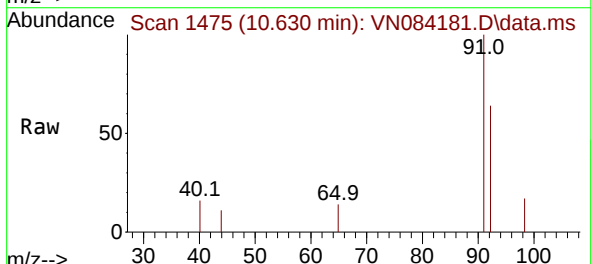
Instrument :
MSVOA_N
ClientSampleId :

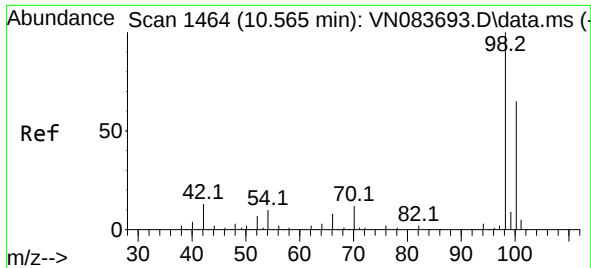
Tgt Ion: 95 Resp: 49139
Ion Ratio Lower Upper
95 100
174 76.1 60.5 90.7
176 69.1 57.8 86.6



#62
Toluene
Concen: 0.309 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

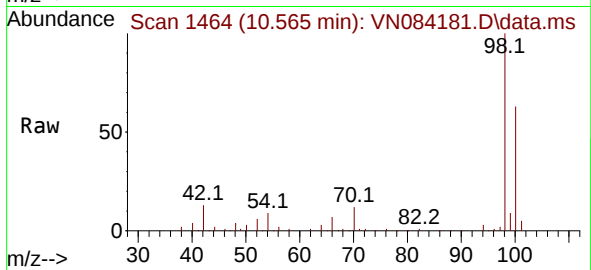
Tgt Ion: 91 Resp: 2150
Ion Ratio Lower Upper
91 100
92 62.1 46.5 69.7



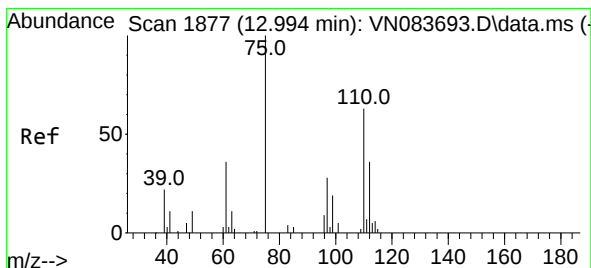
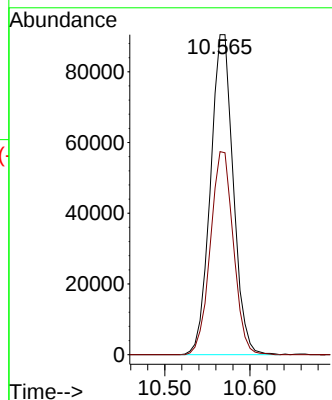
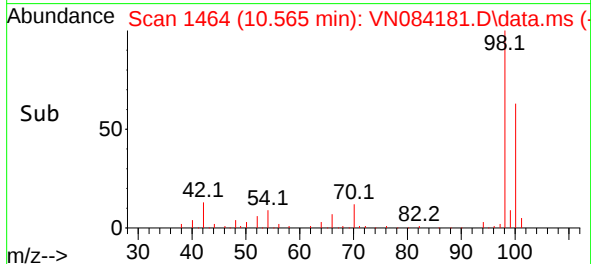


#63
Toluene-d8
Concen: 30.118 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

Instrument :
MSVOA_N
ClientSampleId :

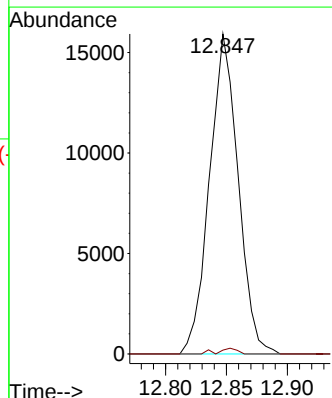
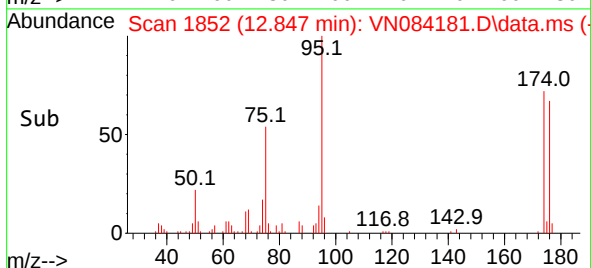
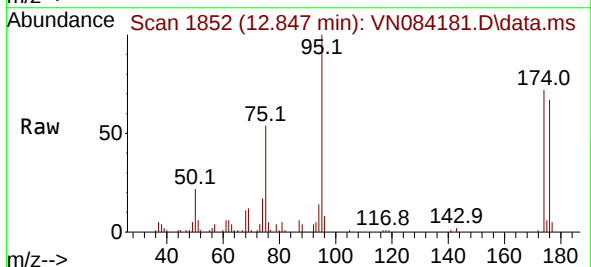


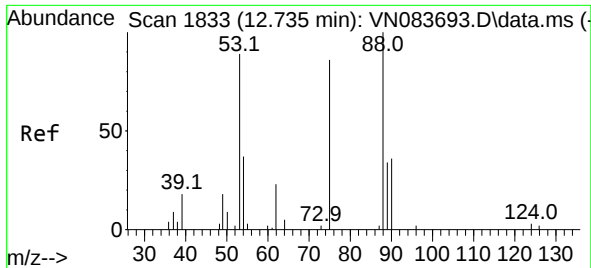
Tgt Ion: 98 Resp: 168570
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 14.674 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084181.D
Acq: 26 Sep 2024 17:04

Tgt Ion: 75 Resp: 26089
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.6





#77

t-1,4-Dichloro-2-butene

Concen: 0.685 ug/l

RT: 12.647 min Scan# 11

Delta R.T. -0.088 min

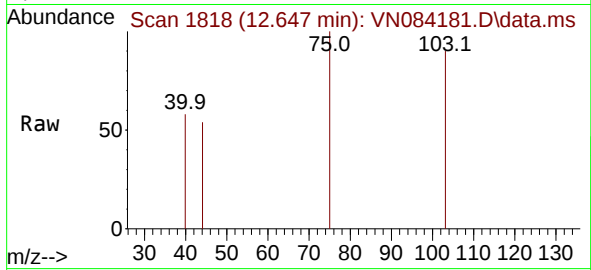
Lab File: VN084181.D

Acq: 26 Sep 2024 17:04

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 515

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

