

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084189.D
 Acq On : 26 Sep 2024 20:16
 Operator : JC\MD
 Sample : P4189-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:14:55 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)

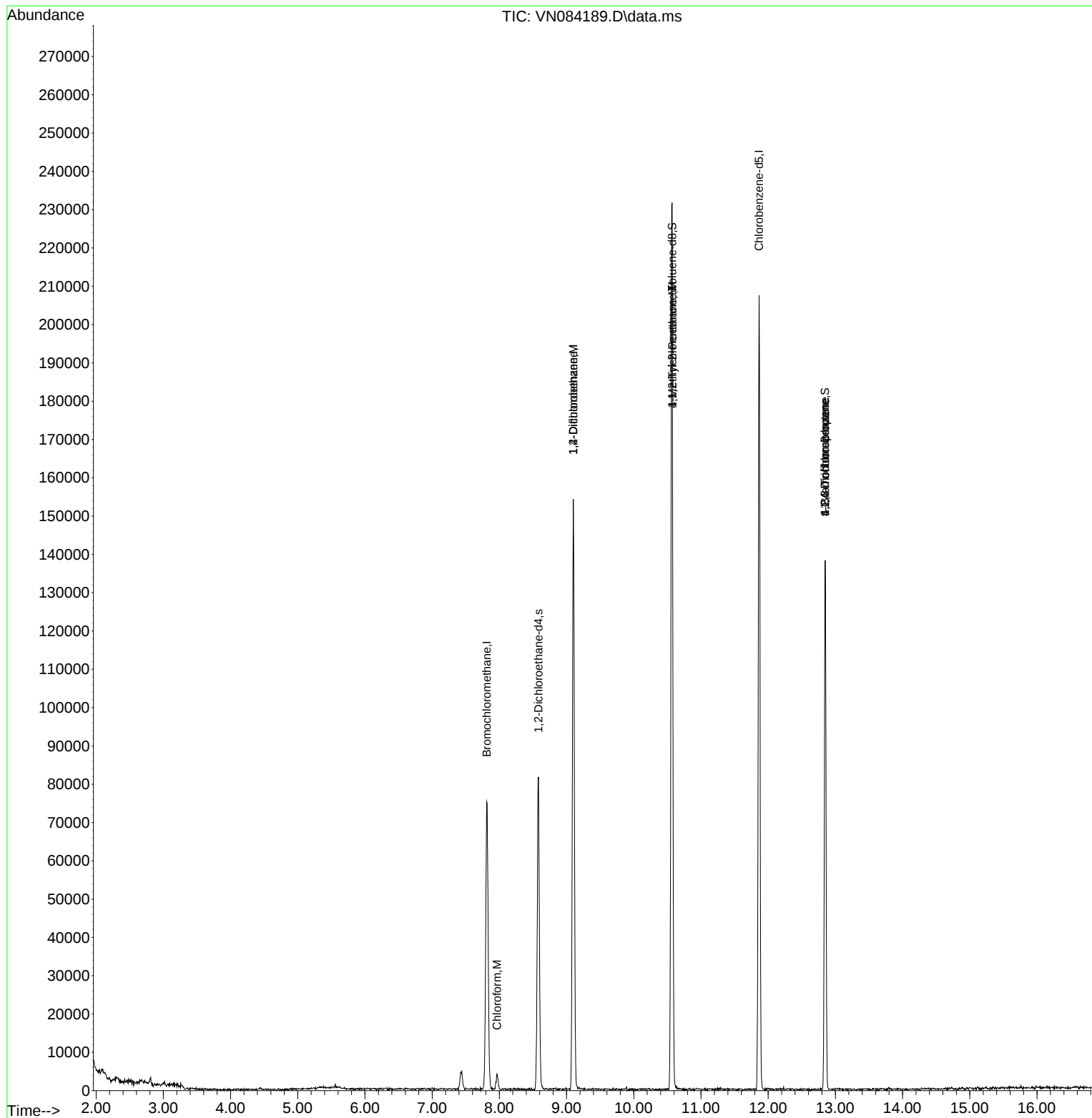
Internal Standards						
1) Bromochloromethane	7.812	128	26166	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	124595	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	118899	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	66397	27.761	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.533%
60) 4-Bromofluorobenzene	12.847	95	50015	24.407	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.367%
63) Toluene-d8	10.571	98	160822	29.211	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.367%
Target Compounds						
					Qvalue	
25) Chloroform	7.965	83	3687	1.058	ug/l	94
36) 1,2-Dichloroethane	9.100	62	4645	2.084	ug/l #	72
50) 1,1,2-Trichloroethane	10.577	97	5287	3.982	ug/l #	1
58) 4-Methyl-2-Pentanone	10.577	43	570	0.302	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	26231	15.000	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	26231	35.487	ug/l #	12

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

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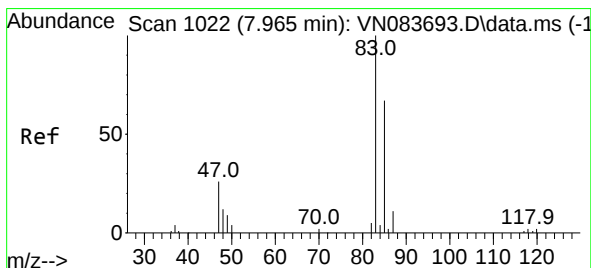
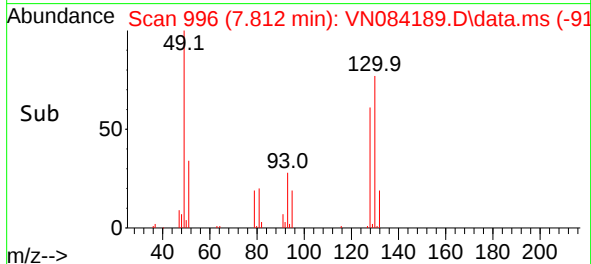
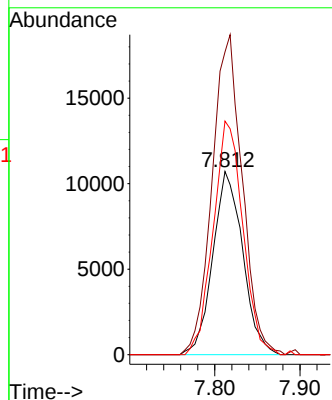
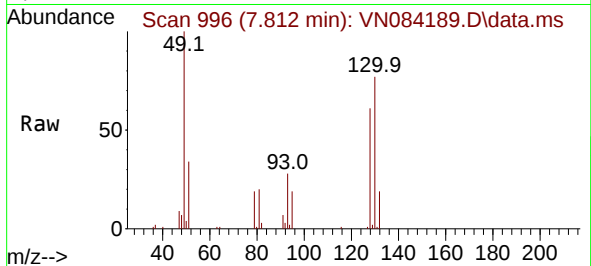




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

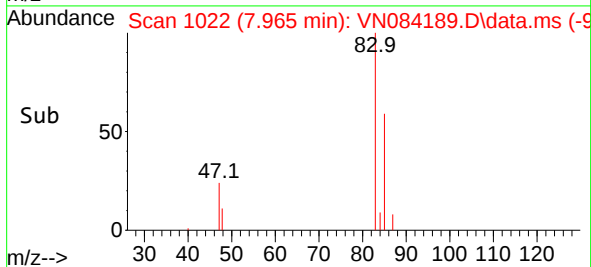
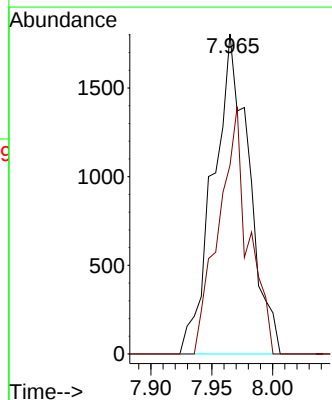
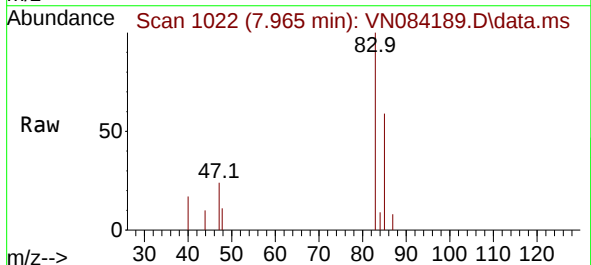
Instrument :
MSVOA_N
ClientSampleId :

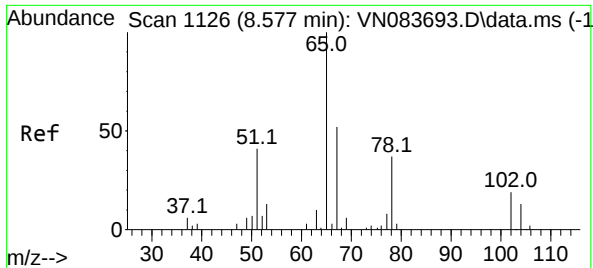
Tgt Ion:128 Resp: 26166
Ion Ratio Lower Upper
128 100
49 175.8 0.0 403.7
130 126.7 0.0 323.3



#25
Chloroform
Concen: 1.058 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

Tgt Ion: 83 Resp: 3687
Ion Ratio Lower Upper
83 100
85 58.9 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 27.761 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084189.D

Acq: 26 Sep 2024 20:16

Instrument :

MSVOA_N

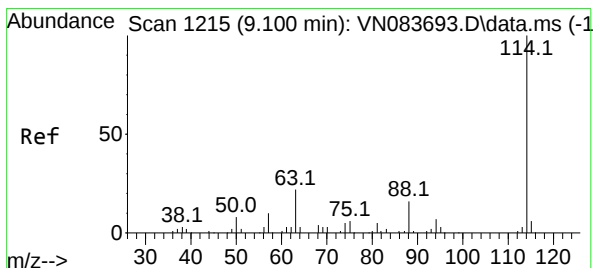
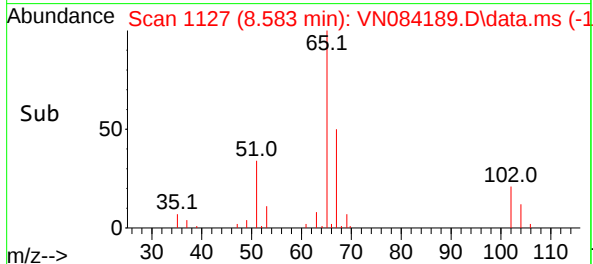
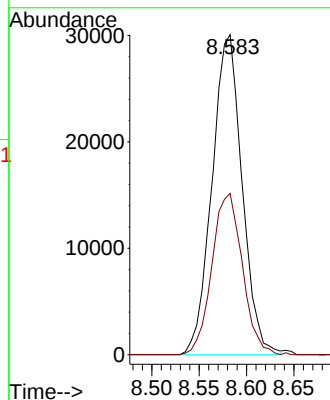
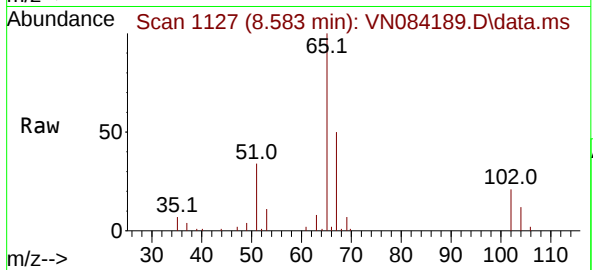
ClientSampleId :

Tgt Ion: 65 Resp: 66397

Ion Ratio Lower Upper

65 100

67 51.0 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: VN084189.D

Acq: 26 Sep 2024 20:16

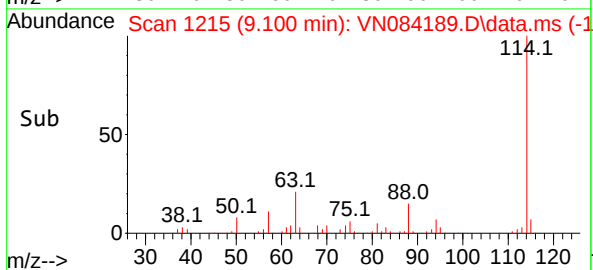
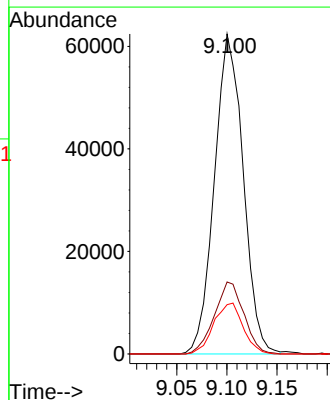
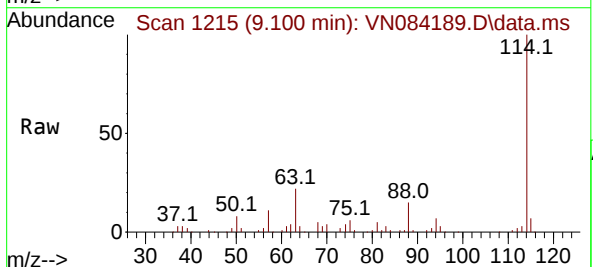
Tgt Ion: 114 Resp: 124595

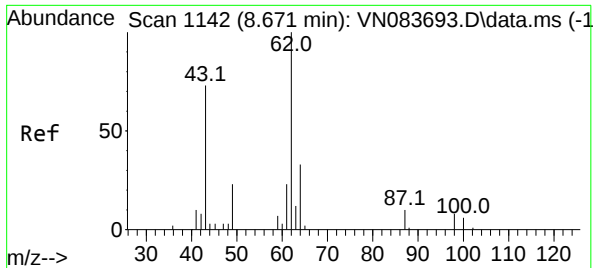
Ion Ratio Lower Upper

114 100

63 23.0 15.9 23.9

88 16.2 12.7 19.1

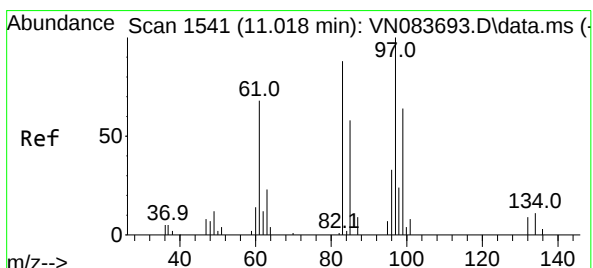
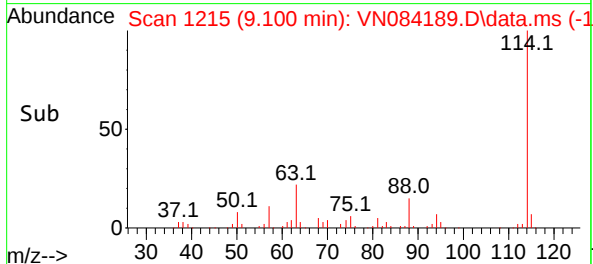
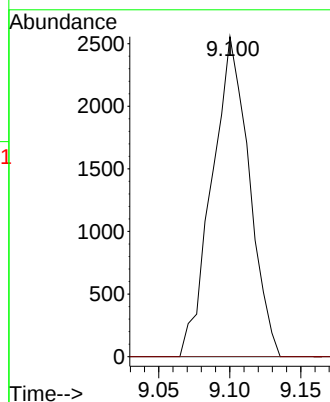
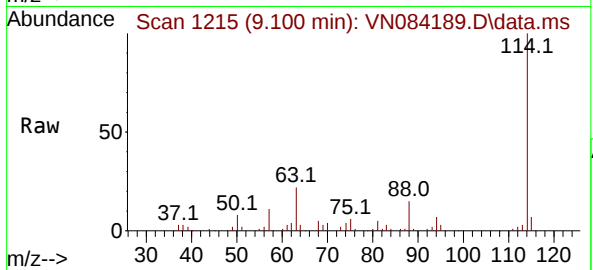




#36
1,2-Dichloroethane
Concen: 2.084 ug/l
RT: 9.100 min Scan# 1142
Delta R.T. 0.429 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

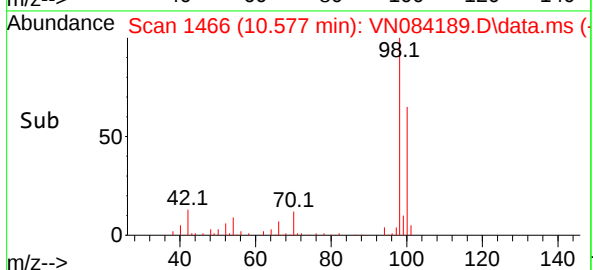
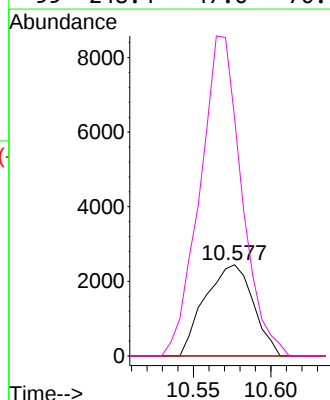
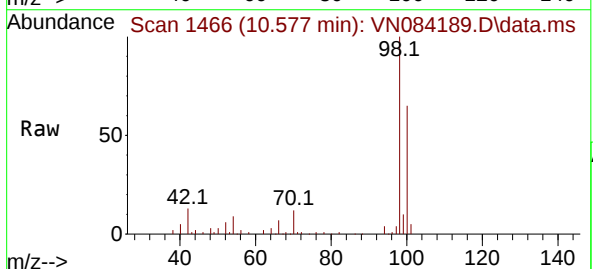
Instrument :
MSVOA_N
ClientSampleId :

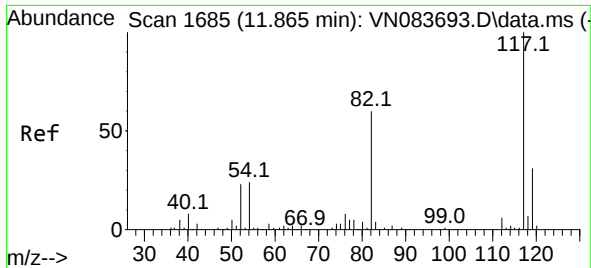
Tgt Ion: 62 Resp: 4645
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.4#



#50
1,1,2-Trichloroethane
Concen: 3.982 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

Tgt Ion: 97 Resp: 5287
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 248.4 47.0 70.4#

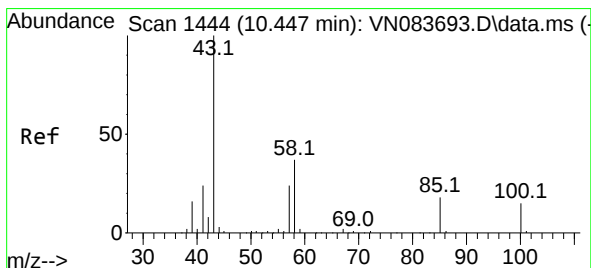
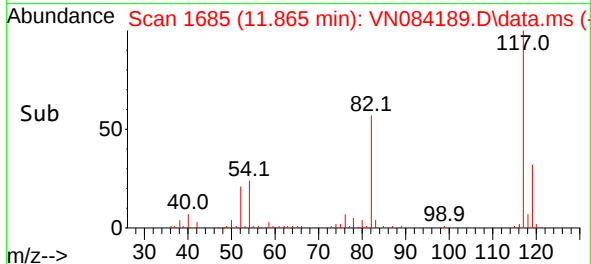
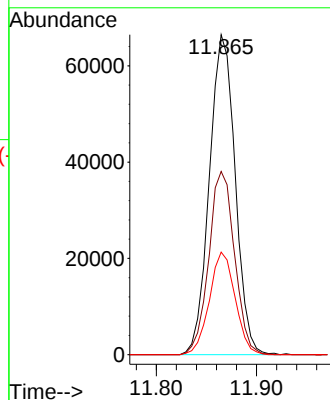
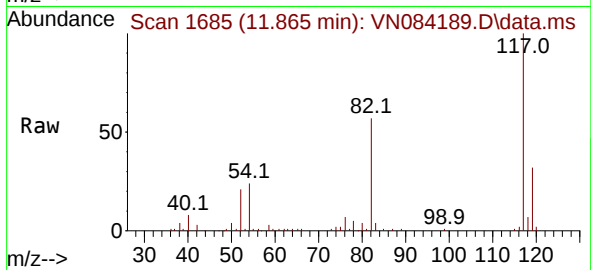




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 118899
Delta R.T. 0.000 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

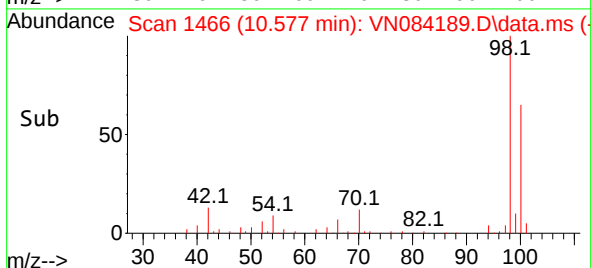
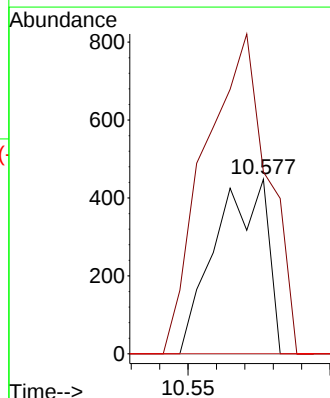
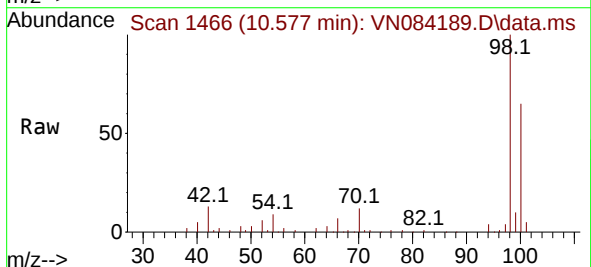
Instrument :
MSVOA_N
ClientSampleId :

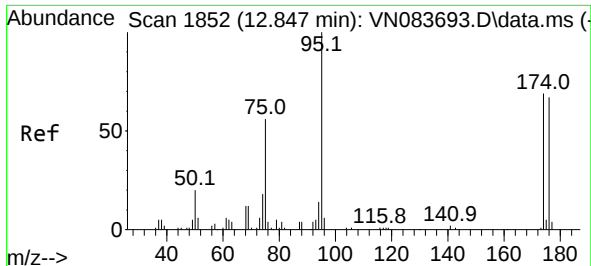
Tgt Ion:117 Resp: 118899
Ion Ratio Lower Upper
117 100
82 57.2 46.6 69.8
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.302 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.129 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

Tgt Ion: 43 Resp: 570
Ion Ratio Lower Upper
43 100
58 223.0 36.5 54.7#
85 0.0 19.5 29.3#

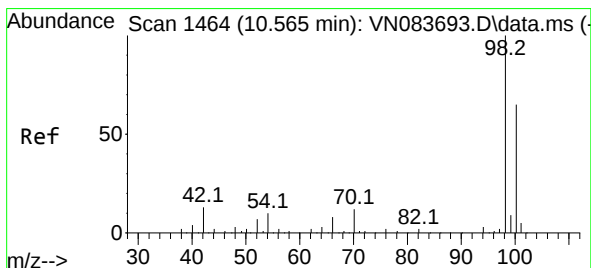
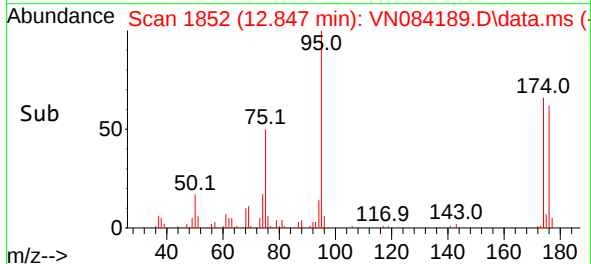
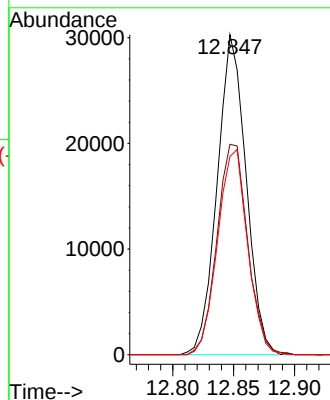
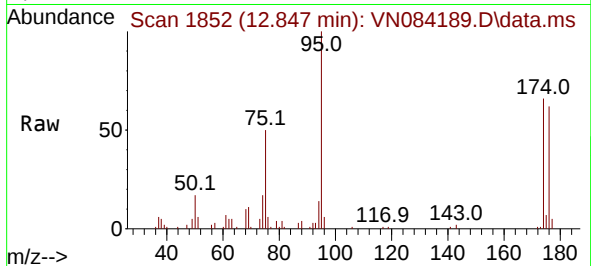




#60
4-Bromofluorobenzene
Concen: 24.407 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

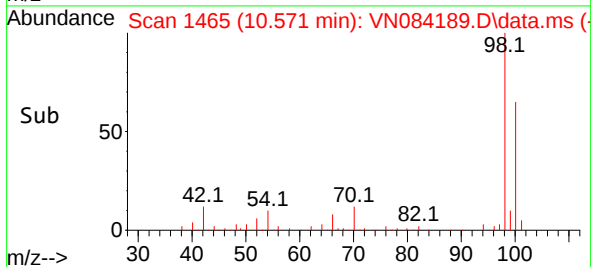
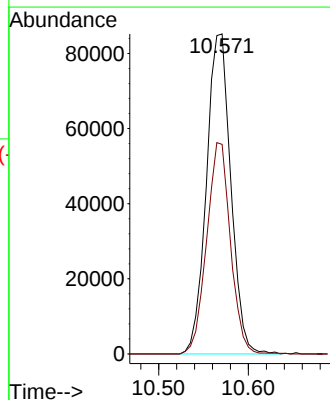
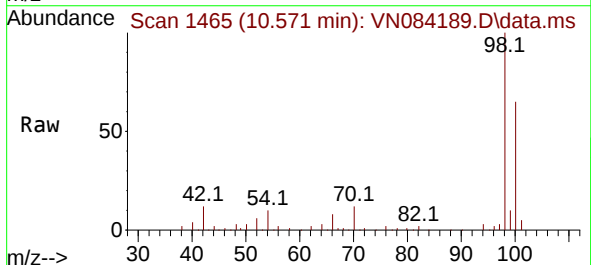
Instrument :
MSVOA_N
ClientSampleId :

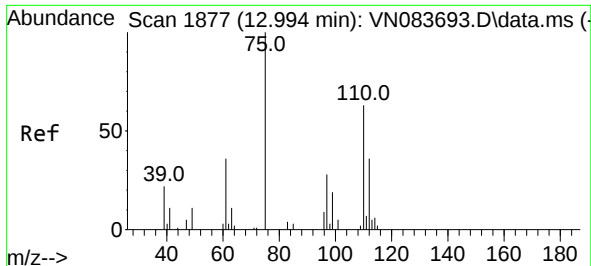
Tgt Ion: 95 Resp: 50015
Ion Ratio Lower Upper
95 100
174 70.0 60.5 90.7
176 66.6 57.8 86.6



#63
Toluene-d8
Concen: 29.211 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

Tgt Ion: 98 Resp: 160822
Ion Ratio Lower Upper
98 100
100 64.1 52.7 79.1

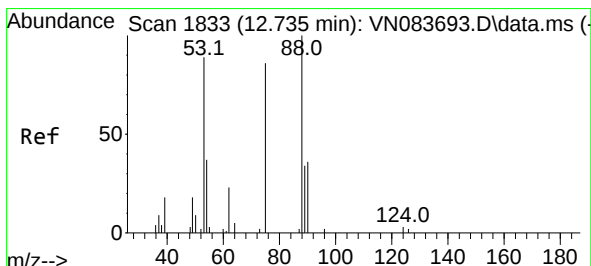
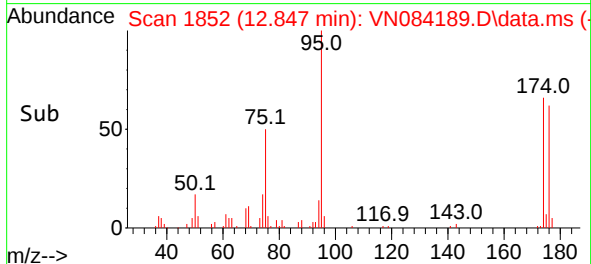
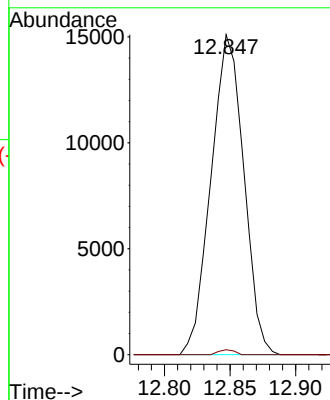
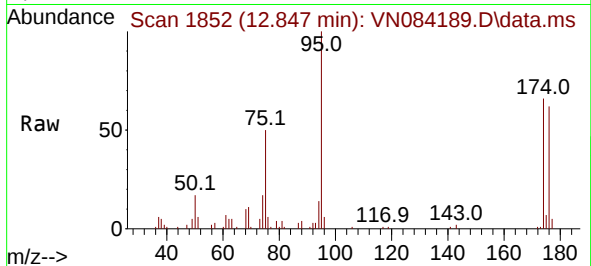




#72
1,2,3-Trichloropropane
Concen: 15.000 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 26231
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 35.487 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084189.D
Acq: 26 Sep 2024 20:16

Tgt Ion: 75 Resp: 26231
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

