

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080262.D
 Acq On : 24 Nov 2023 14:42
 Operator : JC\MD
 Sample : 05525-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 27 04:07:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

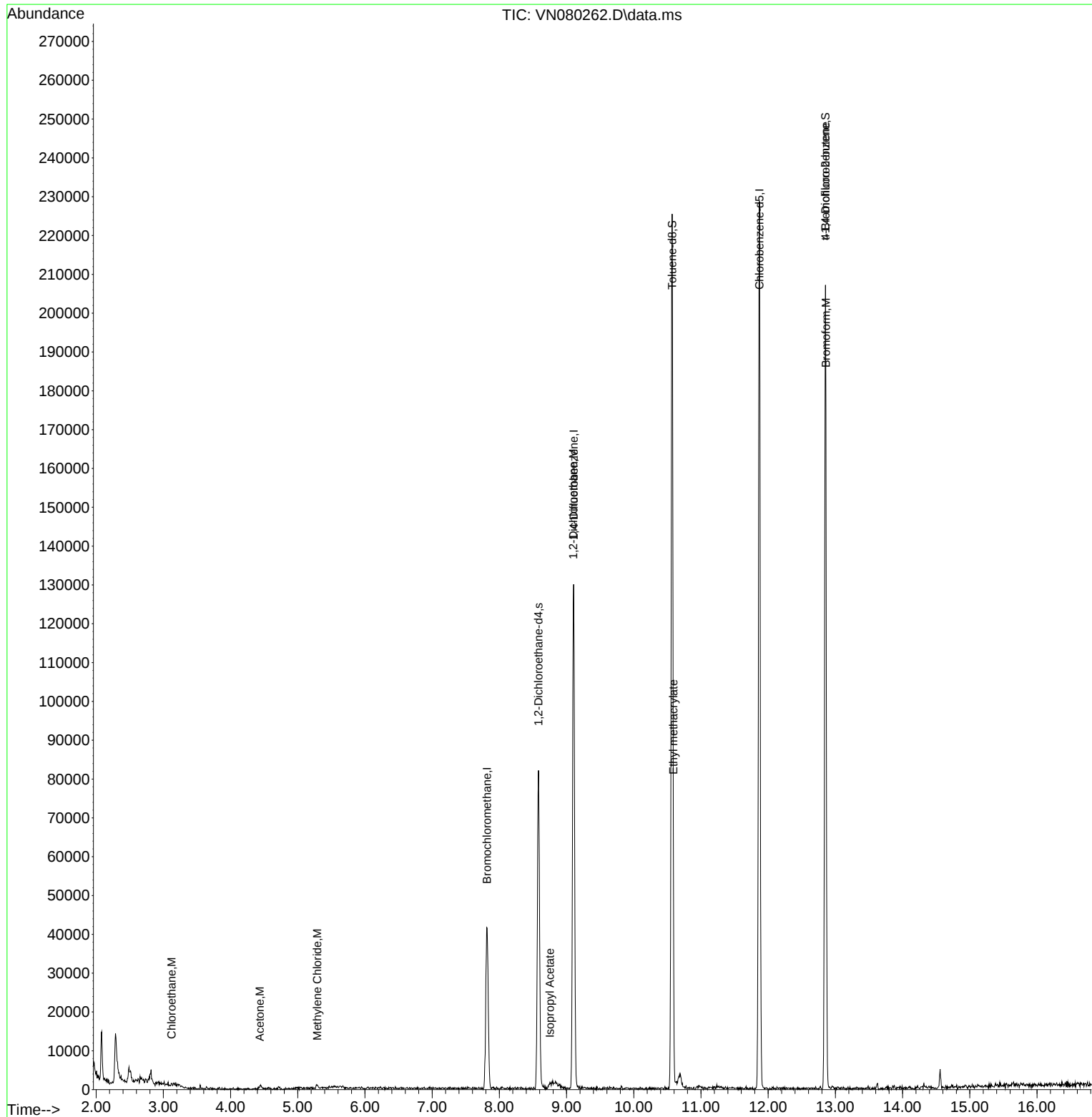
Internal Standards						
1) Bromochloromethane	7.818	128	15547	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	110643	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	132845	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	75525	57.871	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	192.900%#
60) 4-Bromofluorobenzene	12.853	95	71879	33.835	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	112.767%#
63) Toluene-d8	10.571	98	156439	24.853	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	82.833%#
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	365	0.589	ug/l #	46
15) Acetone	4.436	58	61	0.367	ug/l #	1
18) Methylene Chloride	5.289	84	320	0.298	ug/l #	23
36) 1,2-Dichloroethane	9.100	62	4713	2.309	ug/l #	75
44) Isopropyl Acetate	8.753	43	1045	0.376	ug/l #	1
51) Ethyl methacrylate	10.588	69	414	0.219	ug/l #	63
56) Bromoform	12.859	173	309	0.335	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	37572	50.451	ug/l #	7

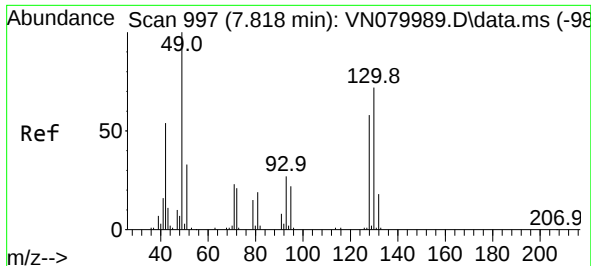
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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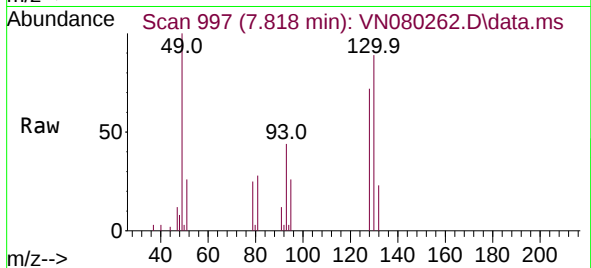
Quant Time: Nov 27 04:07:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
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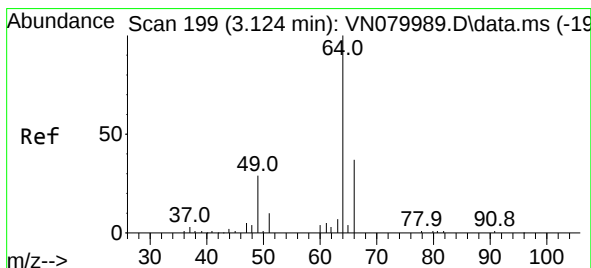
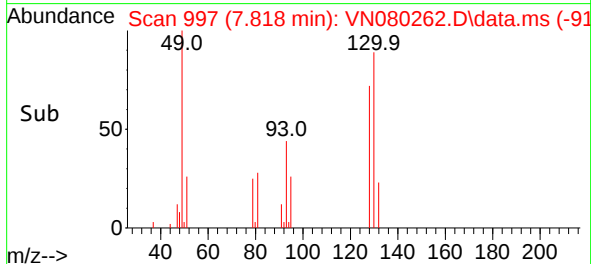
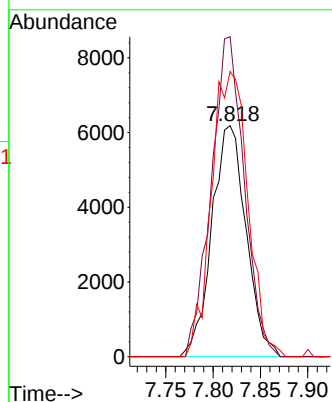


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

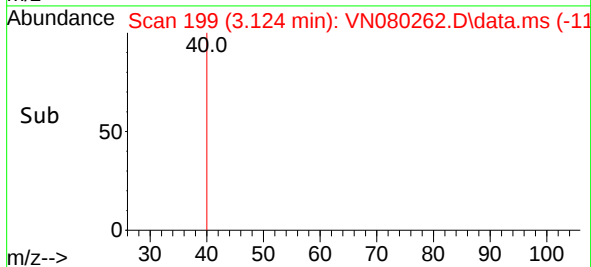
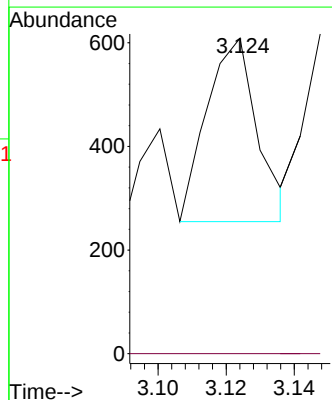
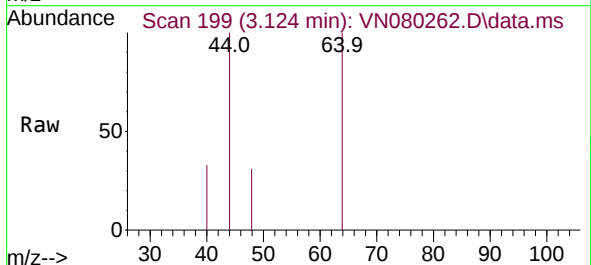


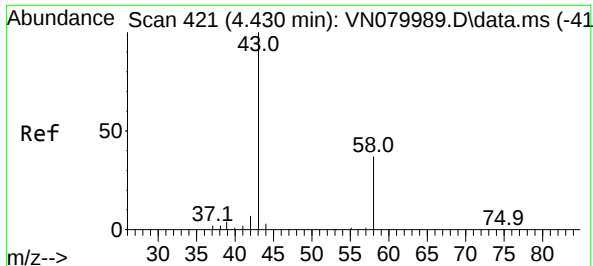
Tgt Ion:128 Resp: 15547
Ion Ratio Lower Upper
128 100
49 133.5 0.0 468.5
130 57.6 0.0 320.7



#6
Chloroethane
Concen: 0.589 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

Tgt Ion: 64 Resp: 365
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





#15

Acetone

Concen: 0.367 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN080262.D

Acq: 24 Nov 2023 14:42

Instrument :

MSVOA_N

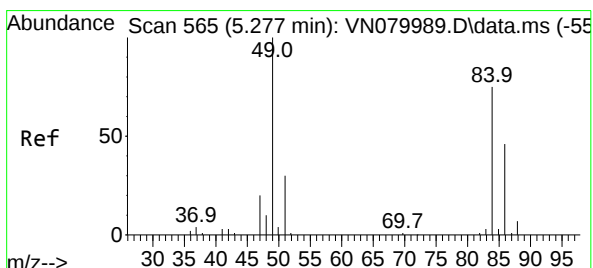
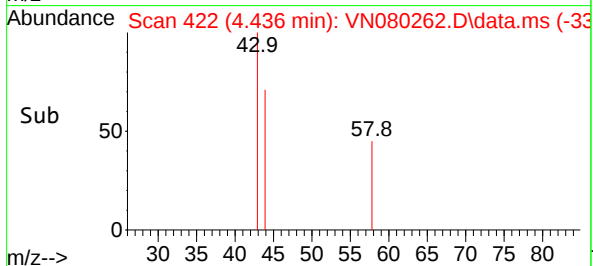
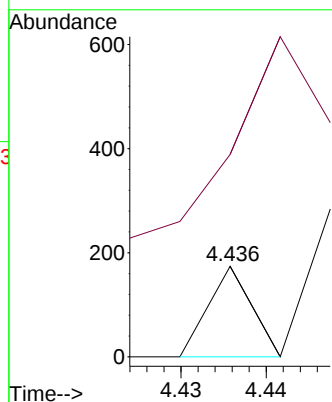
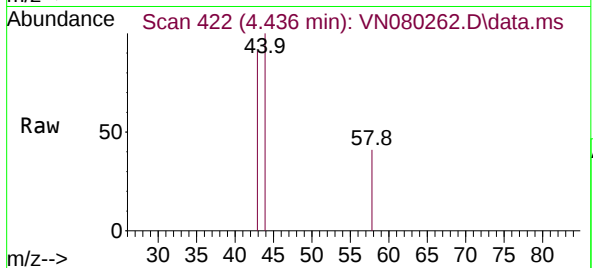
ClientSampleId :

Tgt Ion: 58 Resp: 61

Ion Ratio Lower Upper

58 100

43 74.1 225.2 337.8#



#18

Methylene Chloride

Concen: 0.298 ug/l

RT: 5.289 min Scan# 567

Delta R.T. 0.006 min

Lab File: VN080262.D

Acq: 24 Nov 2023 14:42

Tgt Ion: 84 Resp: 320

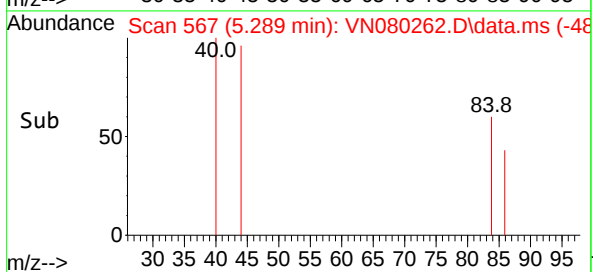
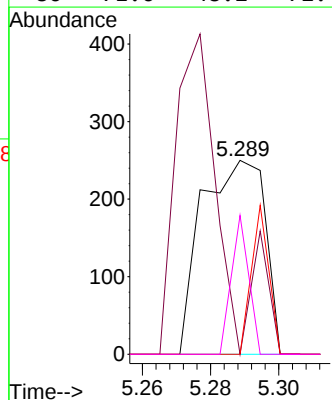
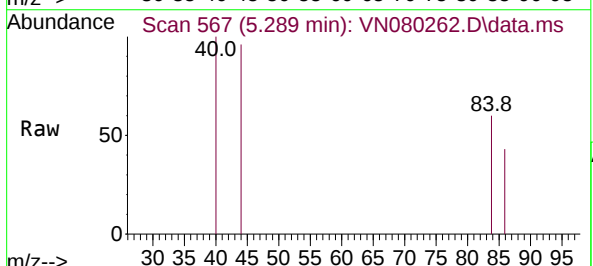
Ion Ratio Lower Upper

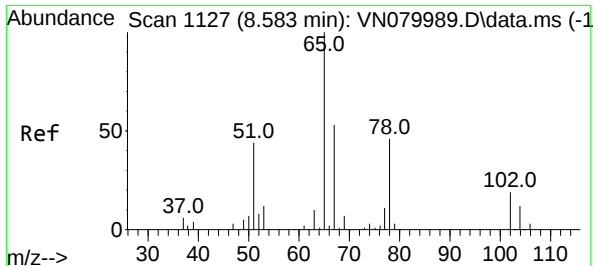
84 100

49 0.0 100.9 151.3#

51 0.0 29.4 44.2#

86 71.6 48.2 72.4

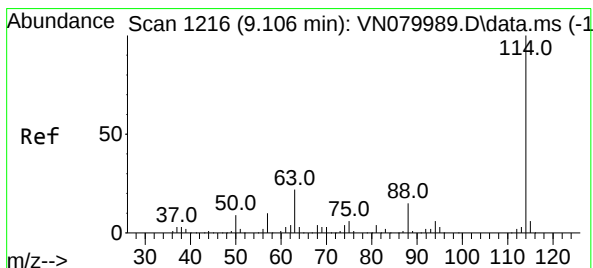
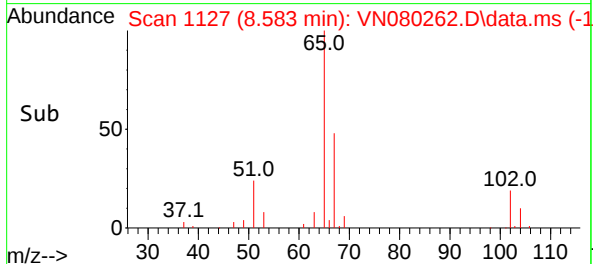
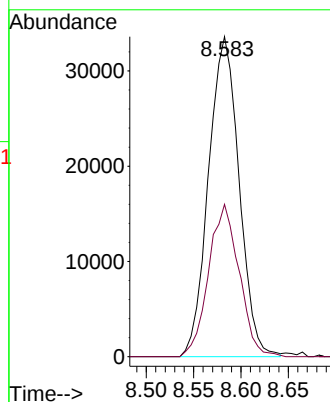
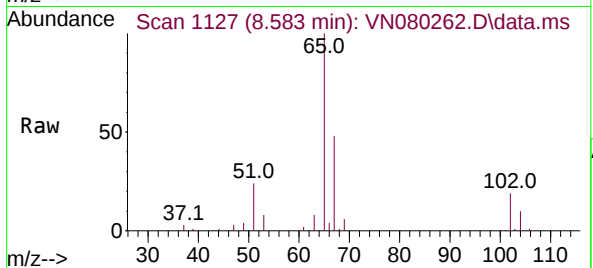




#27
1,2-Dichloroethane-d4
Concen: 57.871 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

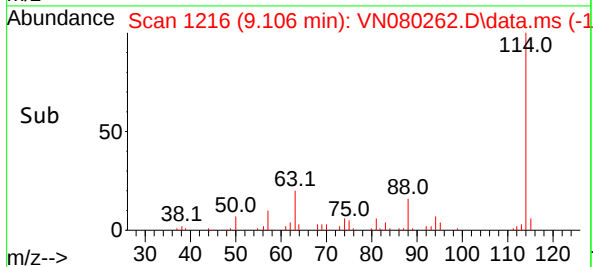
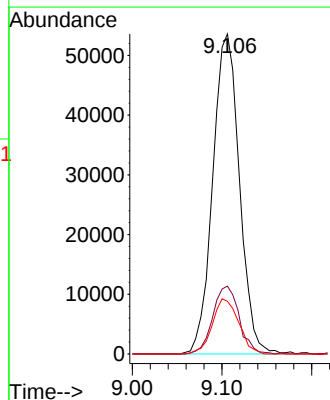
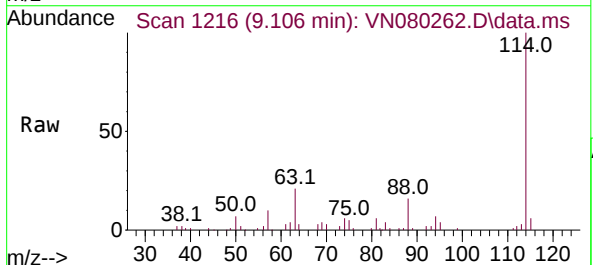
Instrument :
MSVOA_N
ClientSampleId :

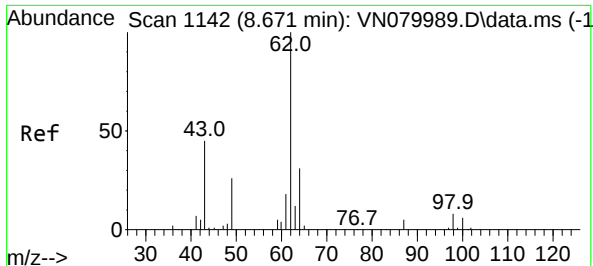
Tgt Ion: 65 Resp: 75525
Ion Ratio Lower Upper
65 100
67 47.6 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

Tgt Ion: 114 Resp: 110643
Ion Ratio Lower Upper
114 100
63 20.9 18.1 27.1
88 17.0 12.2 18.2





#36

1,2-Dichloroethane

Concen: 2.309 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN080262.D

Acq: 24 Nov 2023 14:42

Instrument :

MSVOA_N

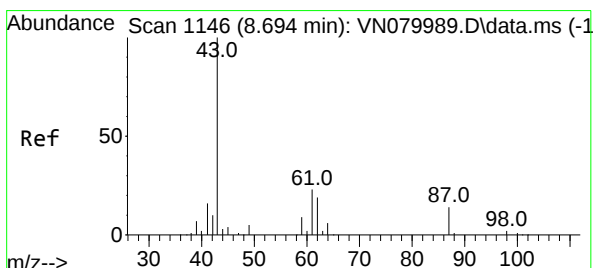
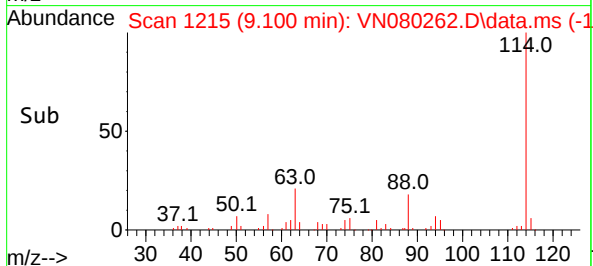
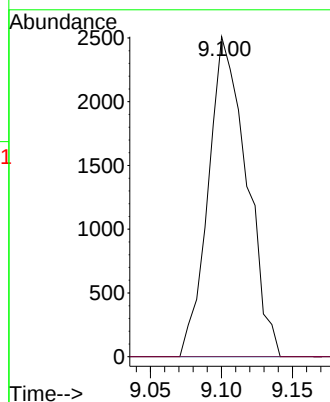
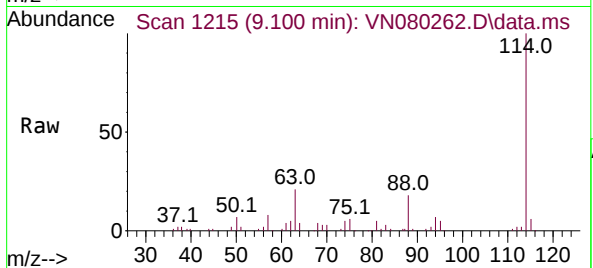
ClientSampleId :

Tgt Ion: 62 Resp: 4713

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#44

Isopropyl Acetate

Concen: 0.376 ug/l

RT: 8.753 min Scan# 1156

Delta R.T. 0.059 min

Lab File: VN080262.D

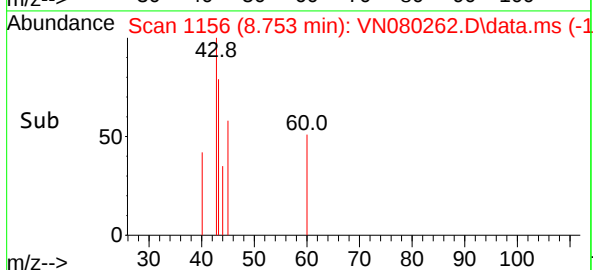
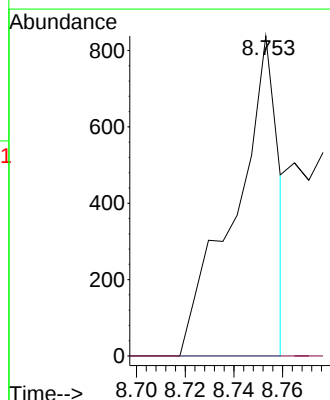
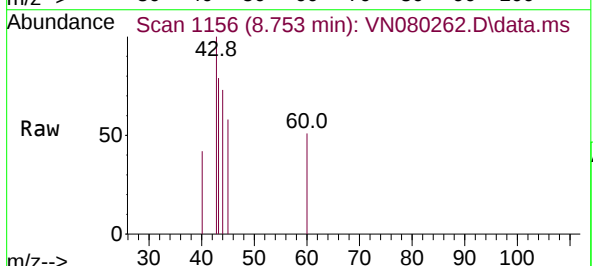
Acq: 24 Nov 2023 14:42

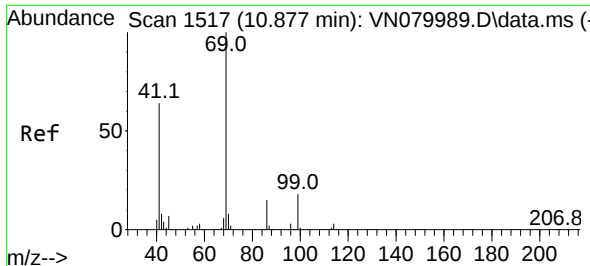
Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

43 100

61 104.8 20.3 30.5#

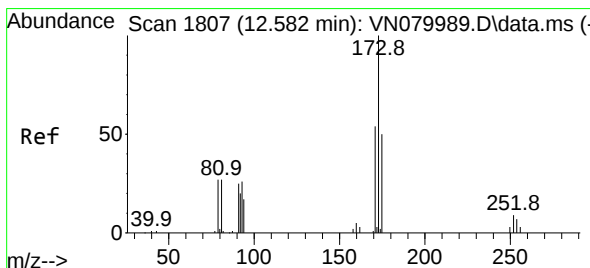
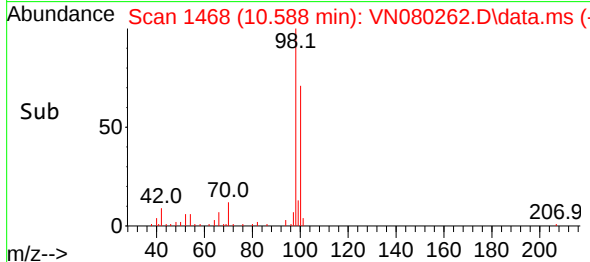
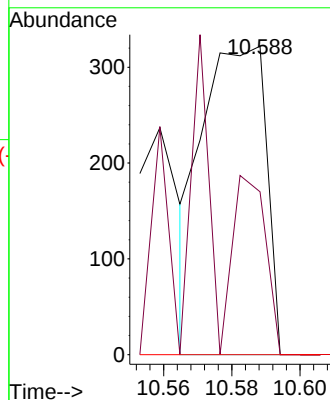
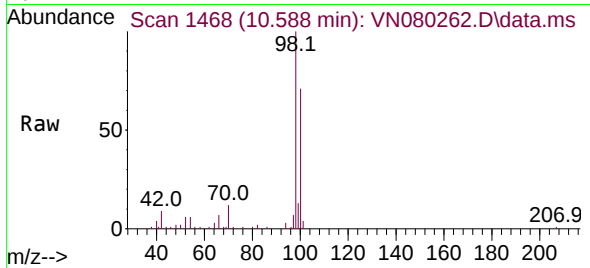




#51
Ethyl methacrylate
Concen: 0.219 ug/l
RT: 10.588 min Scan# 14
Delta R.T. -0.288 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

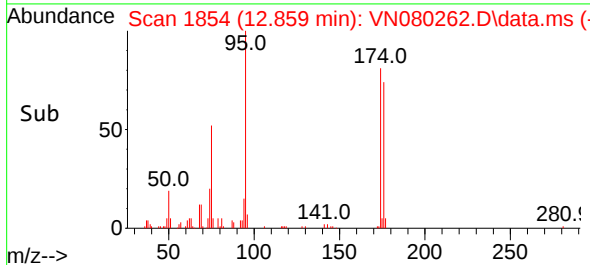
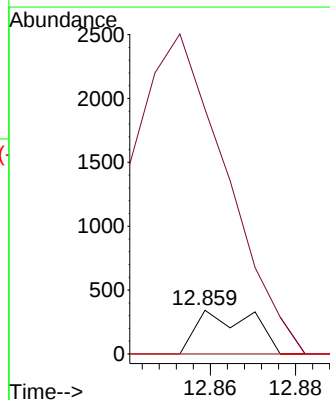
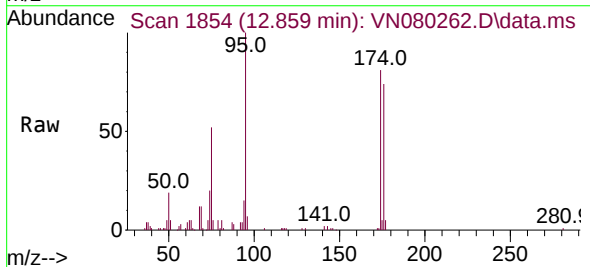
Instrument :
MSVOA_N
ClientSampleId :

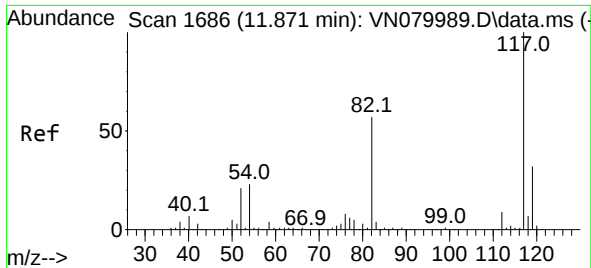
Tgt Ion: 69 Resp: 414
Ion Ratio Lower Upper
69 100
41 52.8 33.8 101.3
39 0.0 21.3 63.9#



#56
Bromoform
Concen: 0.335 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.277 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

Tgt Ion:173 Resp: 309
Ion Ratio Lower Upper
173 100
175 1307.4 37.9 56.9#
254 0.0 7.3 10.9#

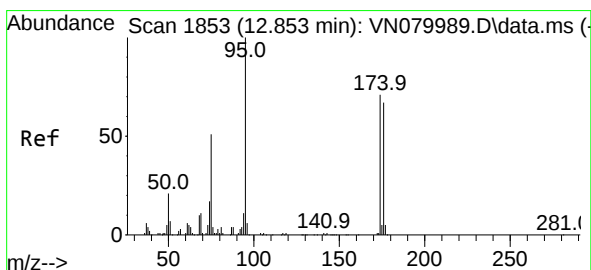
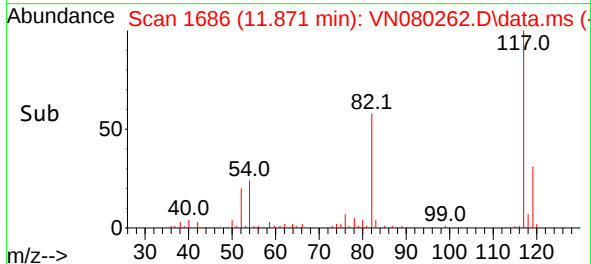
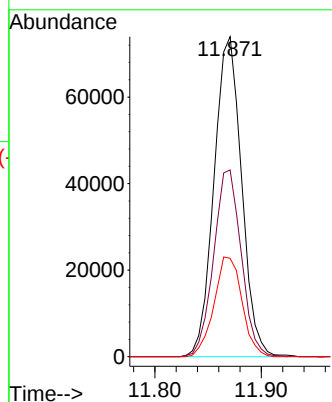
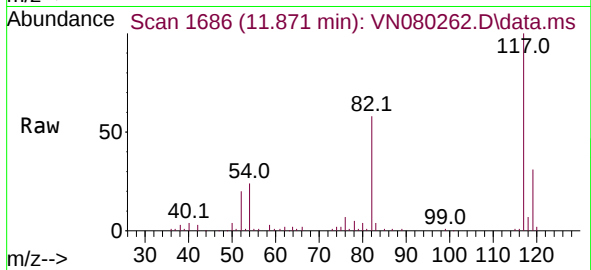




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

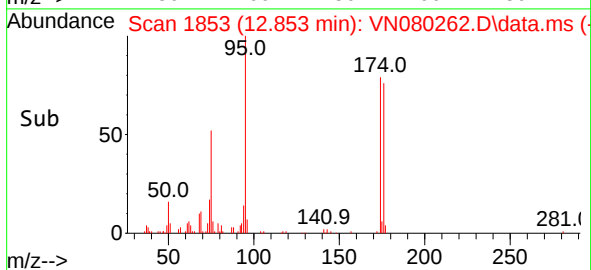
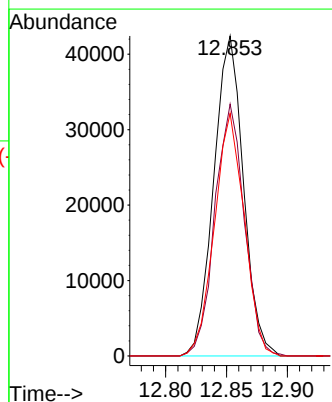
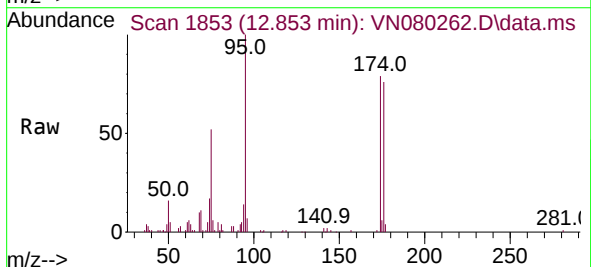
Instrument :
MSVOA_N
ClientSampleId :

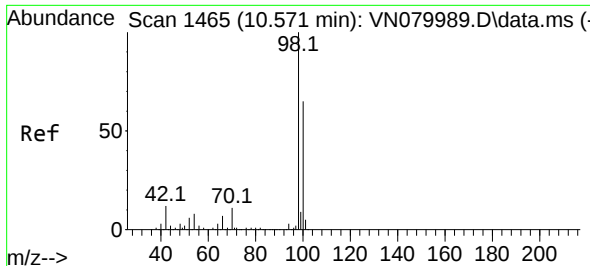
Tgt Ion:117 Resp: 132845
Ion Ratio Lower Upper
117 100
82 58.4 46.2 69.2
119 31.7 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 33.835 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

Tgt Ion: 95 Resp: 71879
Ion Ratio Lower Upper
95 100
174 78.1 60.5 90.7
176 76.1 57.2 85.8

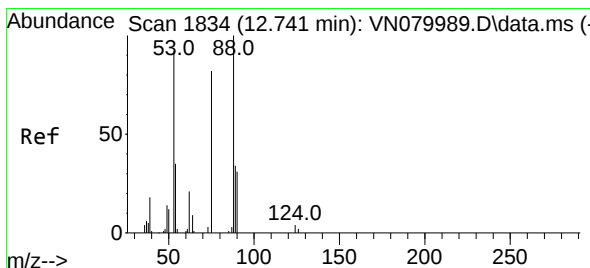
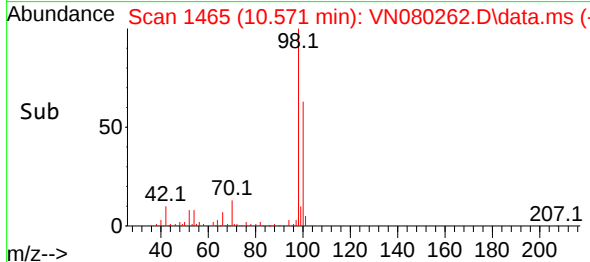
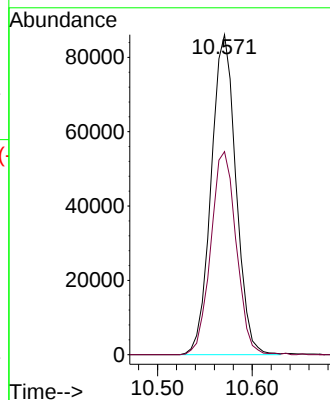
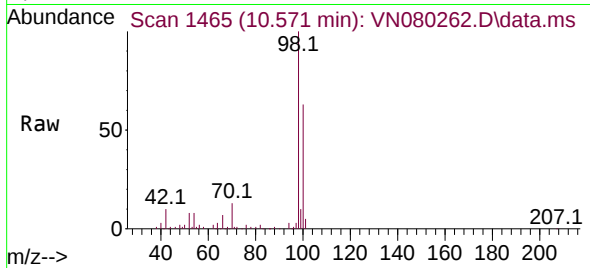




#63
Toluene-d8
Concen: 24.853 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 156439
Ion Ratio Lower Upper
98 100
100 65.0 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 50.451 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080262.D
Acq: 24 Nov 2023 14:42

Tgt Ion: 75 Resp: 37572
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

