

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064196.D
 Acq On : 20 Oct 2020 15:25
 Operator : JC/MD
 Sample : VN1020WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 04:49:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	39818	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	228185	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	197943	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	103810	31.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.13%
60) 4-Bromofluorobenzene	12.37	95	99792	28.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.77%
63) Toluene-d8	10.06	98	266390	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

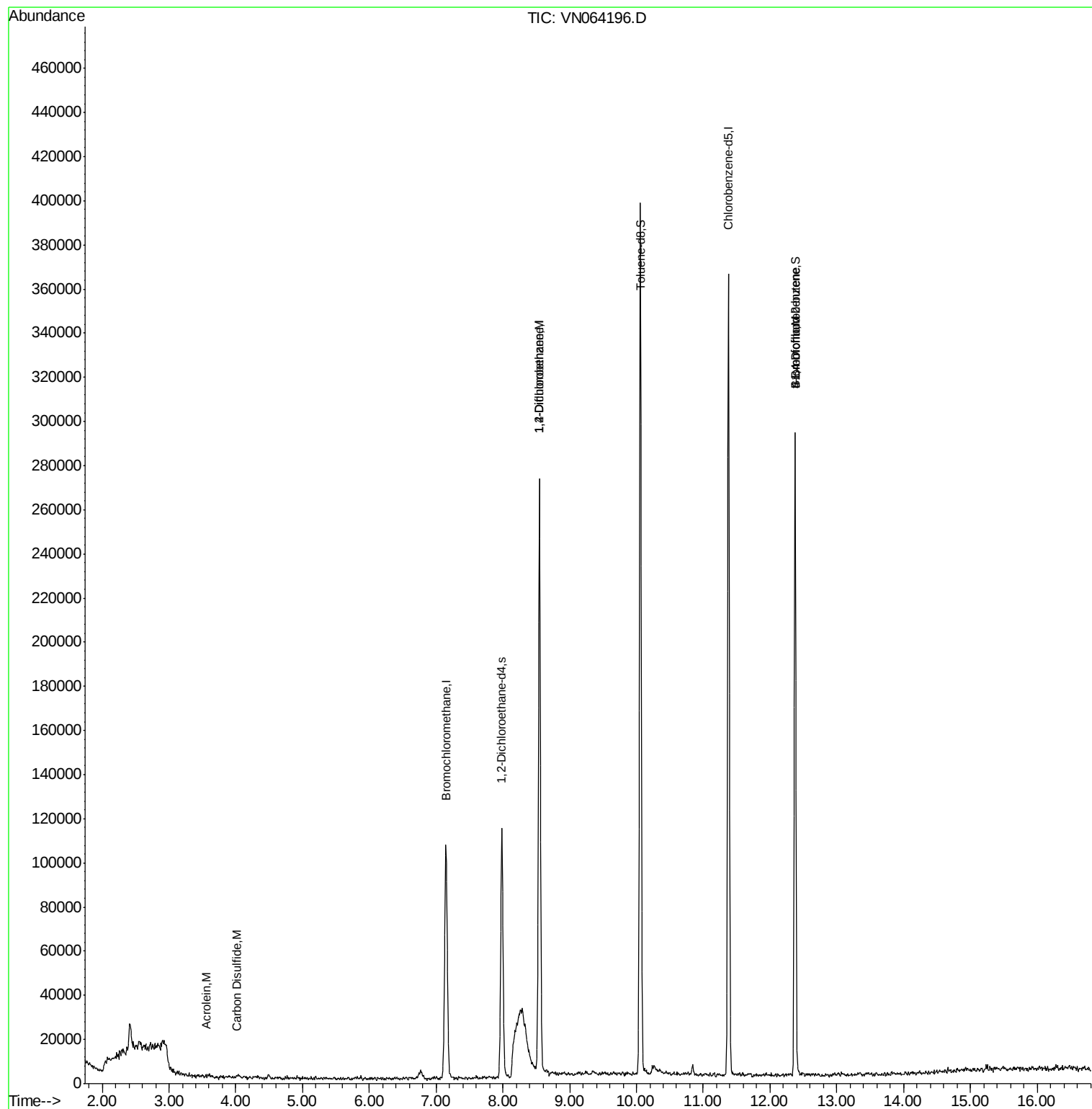
					Ovalue	
13) Acrolein	3.56	56	65	0.248	ug/l #	1
16) Carbon Disulfide	4.01	76	1323	0.204	ug/l #	74
36) 1,2-Dichloroethane	8.54	62	8193	1.920	ug/l #	80
56) Bromoform	12.38	173	490	0.213	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.37	75	55216	39.826	ug/l #	8

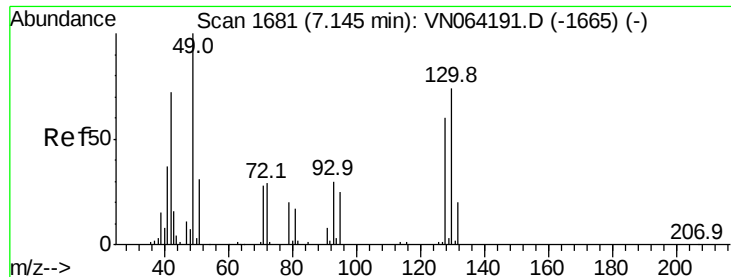
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102020\
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QLast Update : Tue Oct 20 11:51:57 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064196.D

Acq: 20 Oct 2020 15:25

Instrument :
MSVOA_N
ClientSampled :

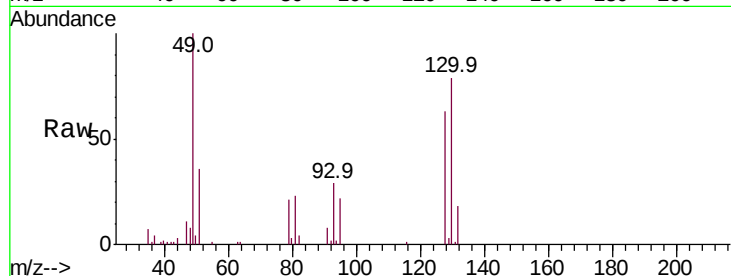
Tot Ion:128 Resp: 39818

Ion Ratio Lower Upper

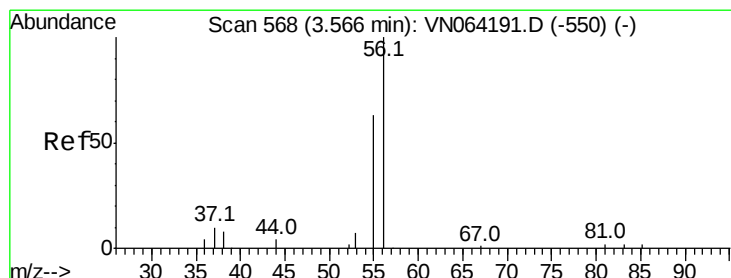
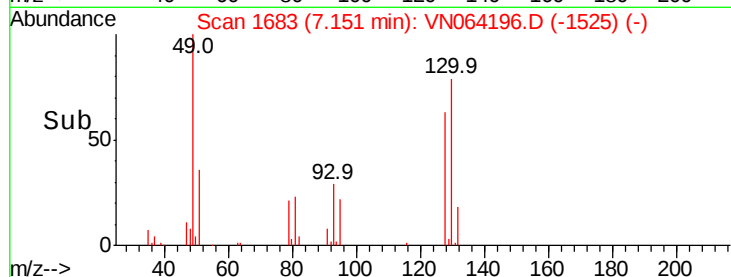
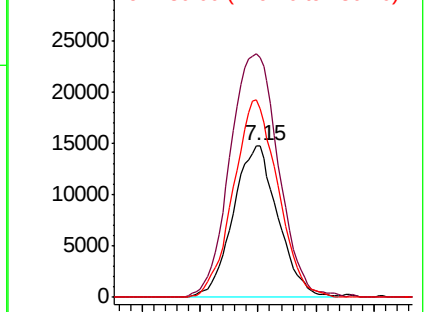
128 100

49 174.4 0.0 433.3

130 129.5 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.248 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064196.D

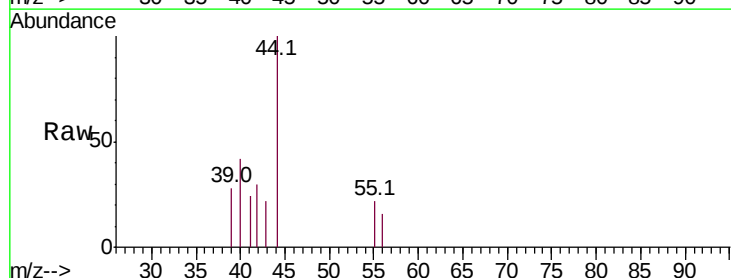
Acq: 20 Oct 2020 15:25

Tgt Ion: 56 Resp: 65

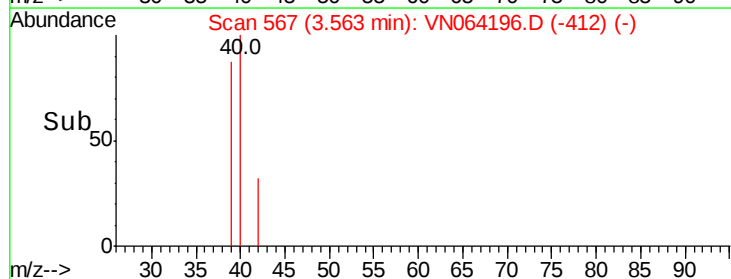
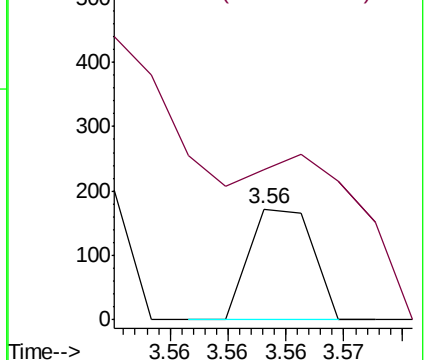
Ion Ratio Lower Upper

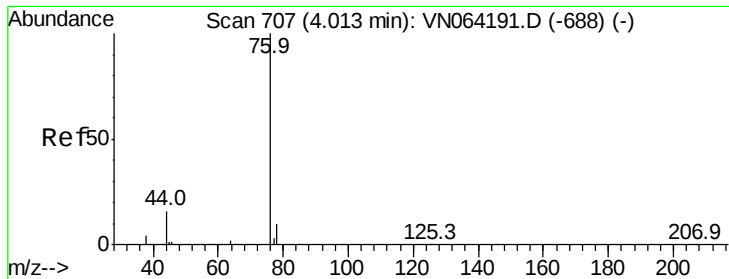
56 100

55 255.4 0.5 0.7#



Abundance Ion 56.00 (55.70 to 56.70): VN
Ion 55.00 (54.70 to 55.70): VN

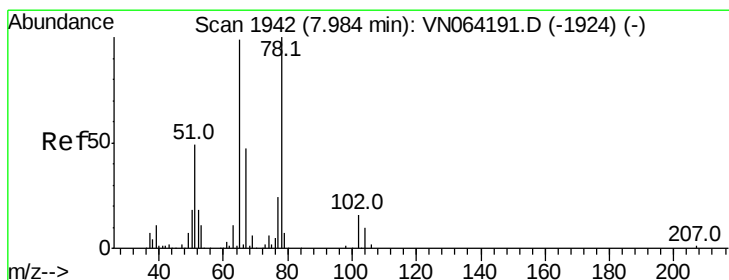
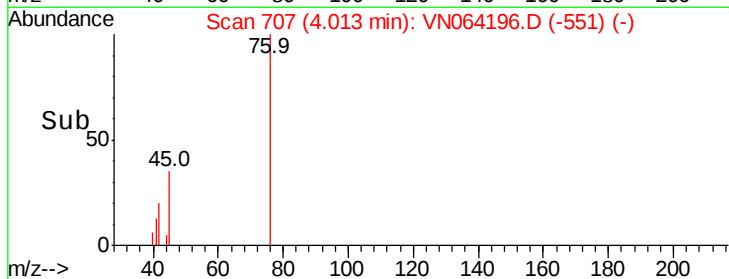
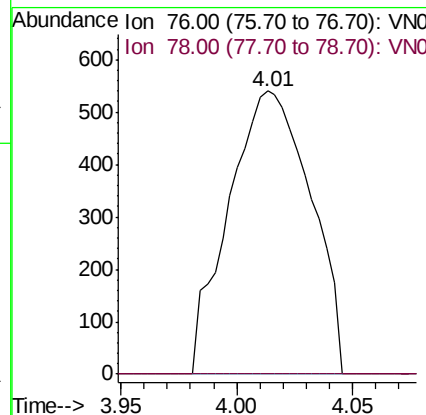
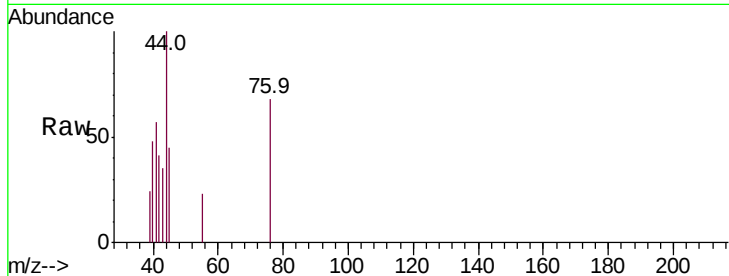




#16
Carbon Disulfide
Concen: 0.204 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064196.D
Acq: 20 Oct 2020 15:25

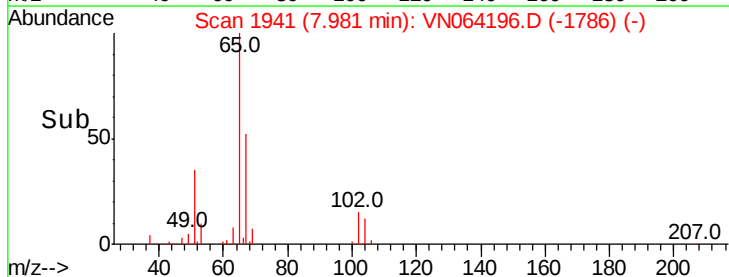
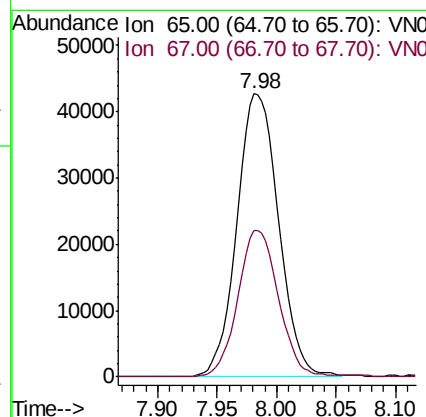
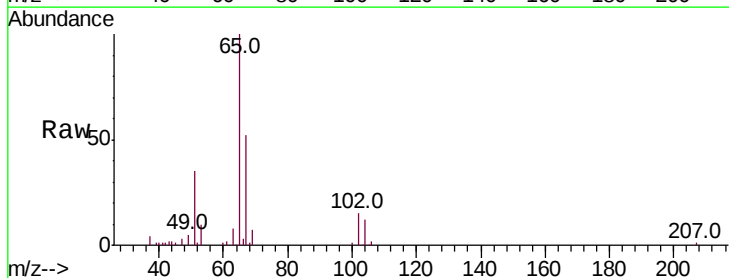
Instrument :
MSVOA_N
ClientSampled :

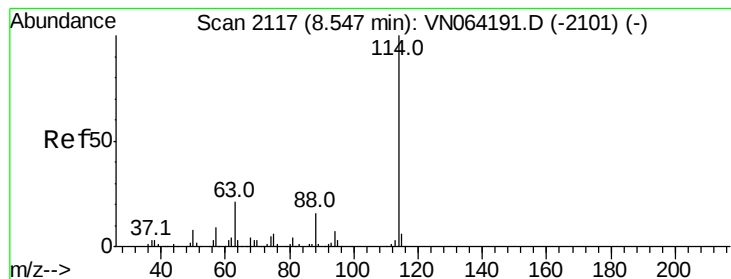
Tot Ion: 76 Resp: 1323
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#27
1,2-Dichloroethane-d4
Concen: 31.843 ug/l
RT: 7.98 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VN064196.D
Acq: 20 Oct 2020 15:25

Tgt Ion: 65 Resp: 103810
Ion Ratio Lower Upper
65 100
67 50.4 39.8 59.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064196.D

Acq: 20 Oct 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

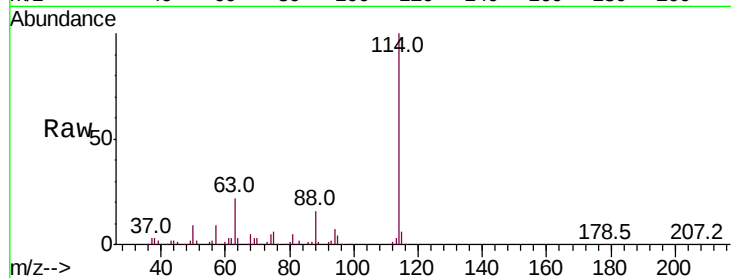
Tot Ion:114 Resp: 228185

Ion Ratio Lower Upper

114 100

63 21.9 17.0 25.4

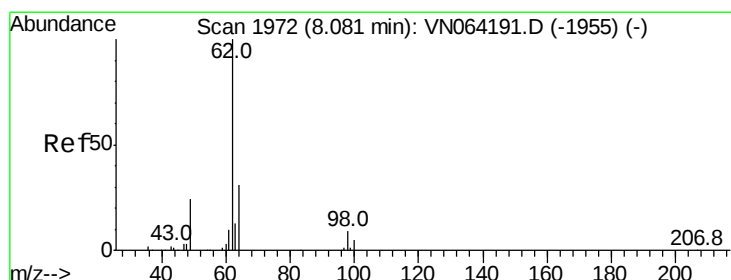
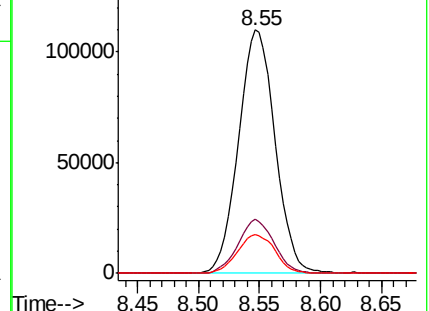
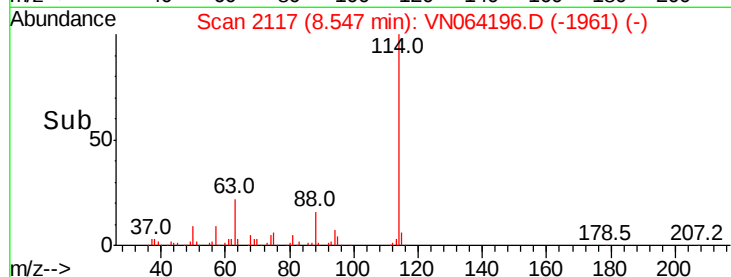
88 16.4 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): VN064196.D (-1961) (-)

Ion 63.00 (62.70 to 63.70): VN064196.D (-1961) (-)

Ion 88.00 (87.70 to 88.70): VN064196.D (-1961) (-)



#36

1,2-Dichloroethane

Concen: 1.920 ug/l

RT: 8.54 min Scan# 2116

Delta R.T. 0.46 min

Lab File: VN064196.D

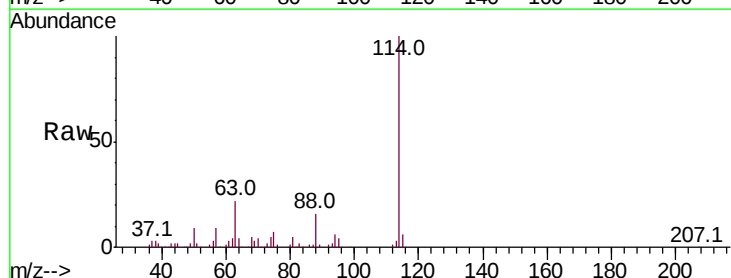
Acq: 20 Oct 2020 15:25

Tgt Ion: 62 Resp: 8193

Ion Ratio Lower Upper

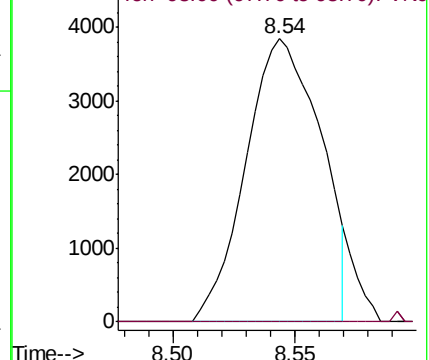
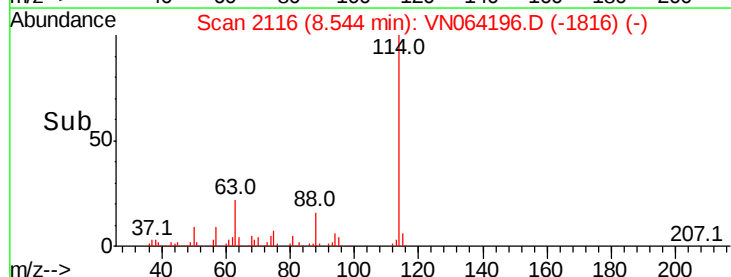
62 100

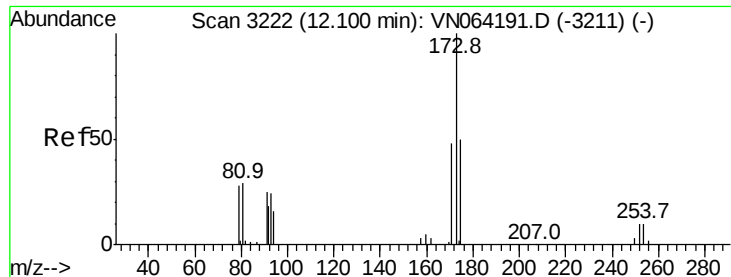
98 1.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VN064196.D (-1816) (-)

Ion 98.00 (97.70 to 98.70): VN064196.D (-1816) (-)





#56

Bromoform

Concen: 0.213 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.28 min

Lab File: VN064196.D

Acq: 20 Oct 2020 15:25

Instrument :

MSVOA_N

ClientSampleId :

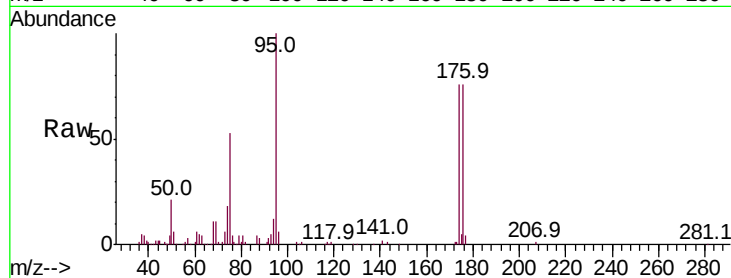
Tot Ion:173 Resp: 490

Ion Ratio Lower Upper

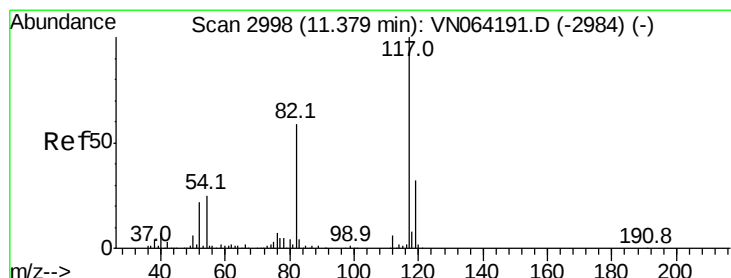
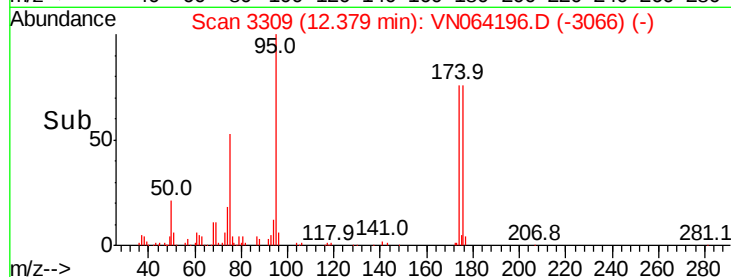
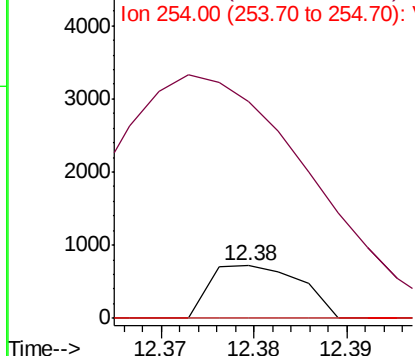
173 100

175 1041.4 39.0 58.4#

254 0.0 6.8 10.2#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064196.D

Acq: 20 Oct 2020 15:25

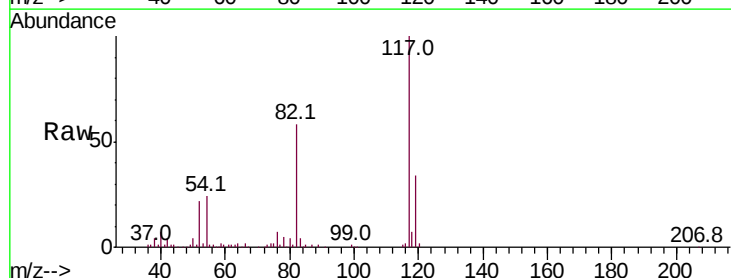
Tgt Ion:117 Resp: 197943

Ion Ratio Lower Upper

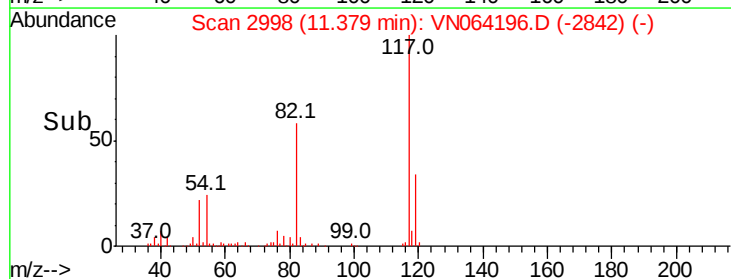
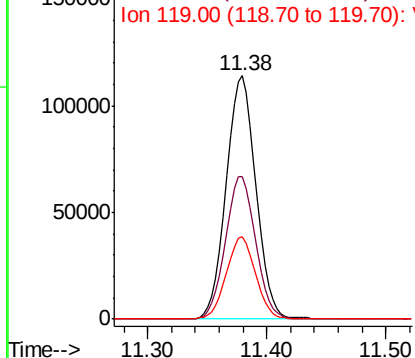
117 100

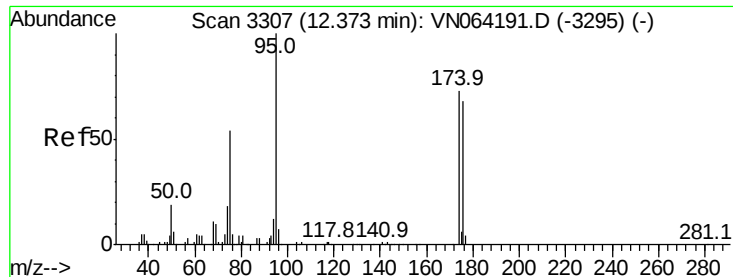
82 59.2 47.8 71.8

119 33.2 25.7 38.5



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 28.132 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064196.D

Acq: 20 Oct 2020 15:25

Instrument :

MSVOA_N

ClientSampled :

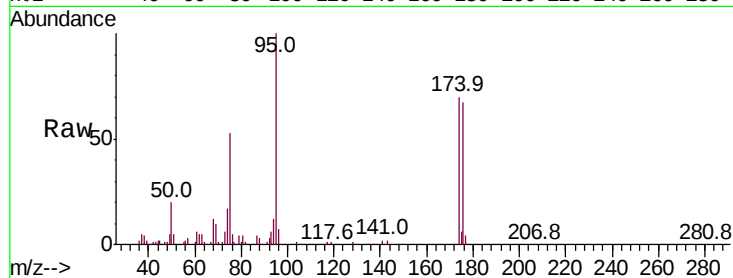
Tot Ion: 95 Resp: 99792

Ion Ratio Lower Upper

95 100

174 72.8 57.6 86.4

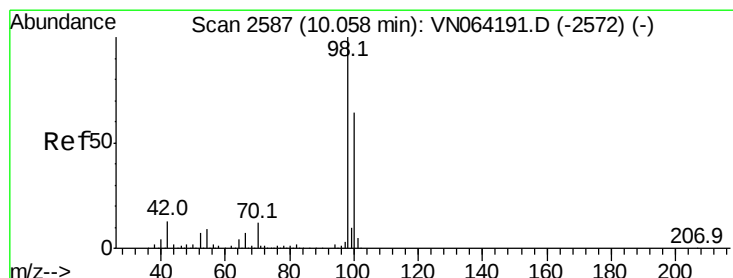
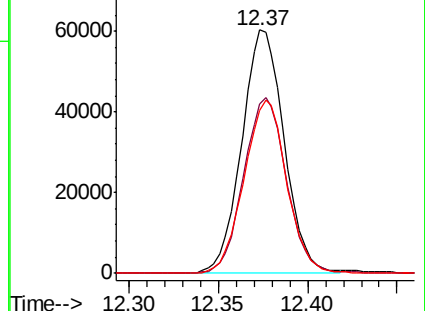
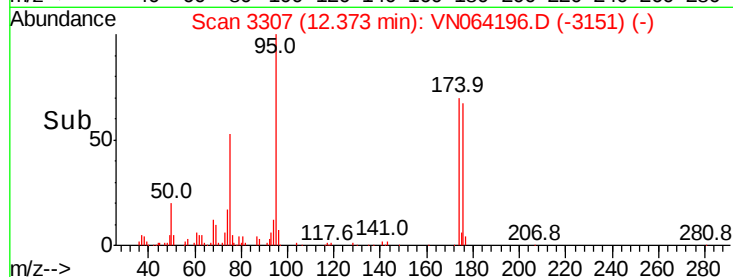
176 71.5 54.9 82.3



Abundance Ion 95.00 (94.70 to 95.70): VN064196.D (-3295) (-)

Ion 174.00 (173.70 to 174.70): VN064196.D (-3295) (-)

Ion 176.00 (175.70 to 176.70): VN064196.D (-3295) (-)



#63

Toluene-d8

Concen: 29.726 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064196.D

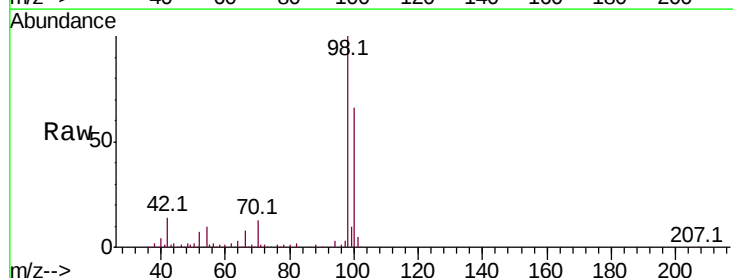
Acq: 20 Oct 2020 15:25

Tgt Ion: 98 Resp: 266390

Ion Ratio Lower Upper

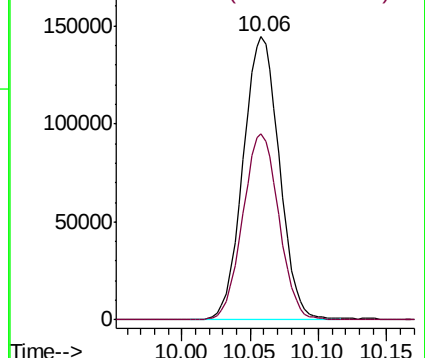
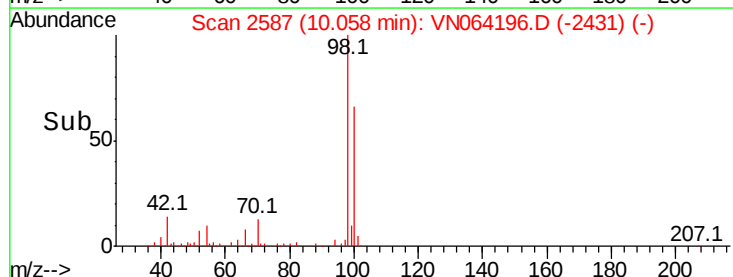
98 100

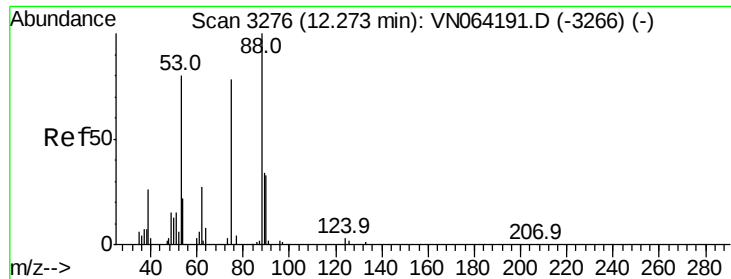
100 65.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN064196.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN064196.D (-2431) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 39.826 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN064196.D
Acq: 20 Oct 2020 15:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 55216
Ion Ratio Lower Upper
75 100
53 0.0 51.4 154.2#
89 0.0 23.8 71.5#

