

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064207.D
 Acq On : 20 Oct 2020 19:51
 Operator : JC/MD
 Sample : L4457-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 04:50:33 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	49610	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	274192	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	241461	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129215	31.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.03%
60) 4-Bromofluorobenzene	12.38	95	124457	28.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.87%
63) Toluene-d8	10.06	98	324531	29.69	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.97%

Target Compounds

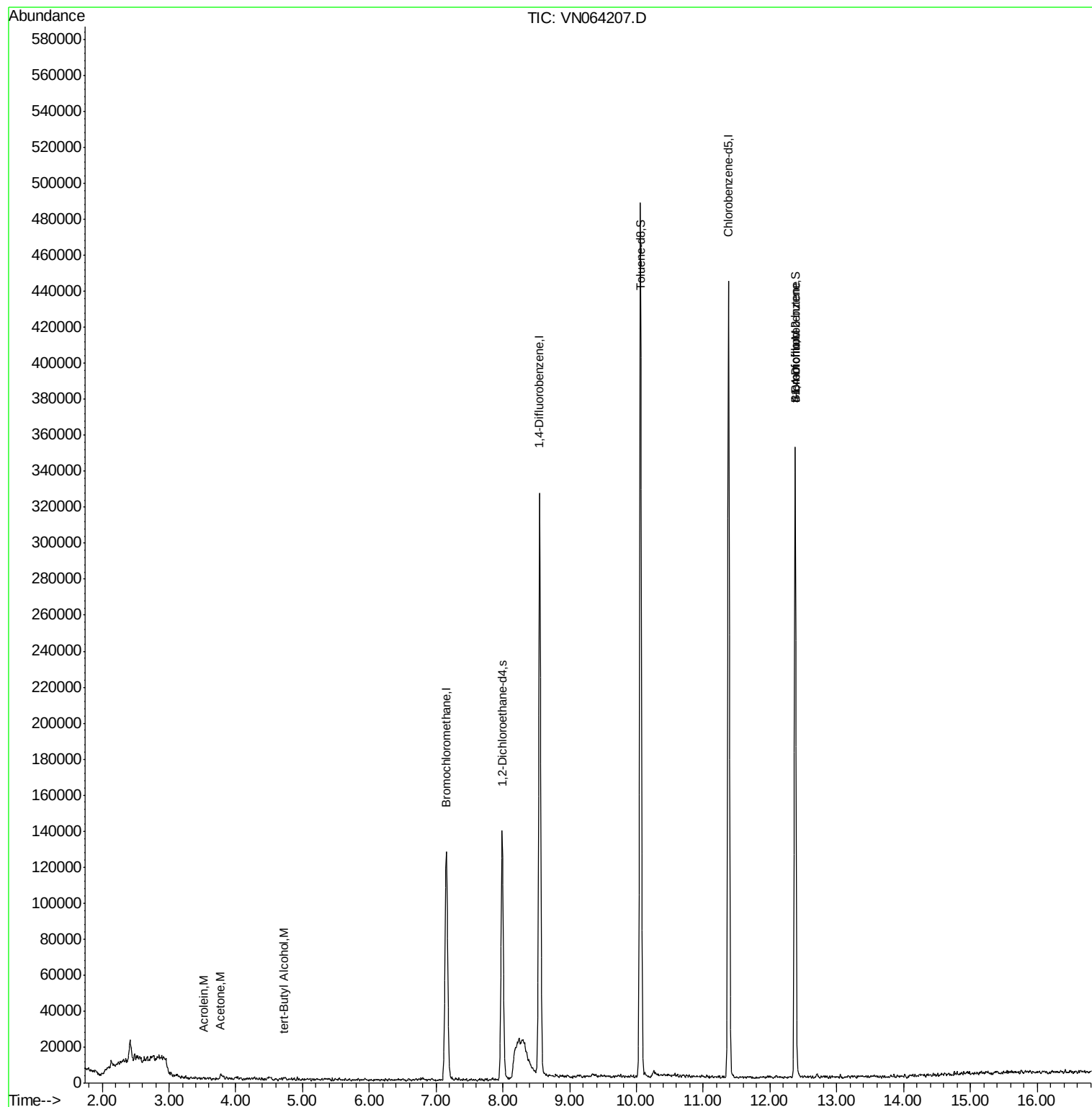
					Ovalue	
13) Acrolein	3.53	56	66	0.202	ug/l #	1
15) Acetone	3.77	58	582	1.793	ug/l #	44
23) tert-Butyl Alcohol	4.71	59	305	0.548	ug/l #	100
56) Bromoform	12.38	173	670	0.242	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	67256	39.767	ug/l #	8

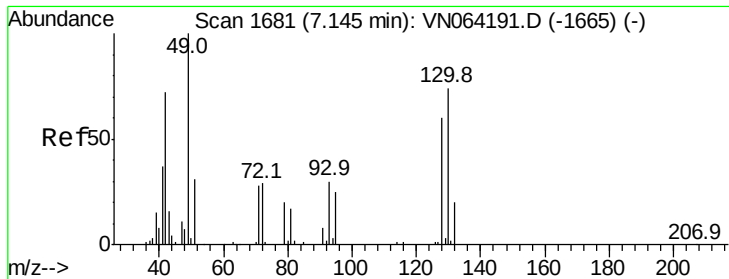
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN064207.D

Acq: 20 Oct 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :

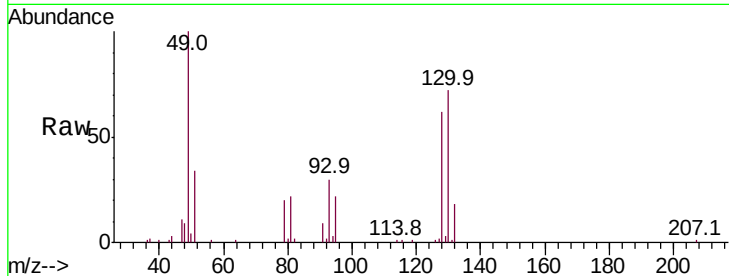
Tot Ion:128 Resp: 49610

Ion Ratio Lower Upper

128 100

49 84.0 0.0 433.3

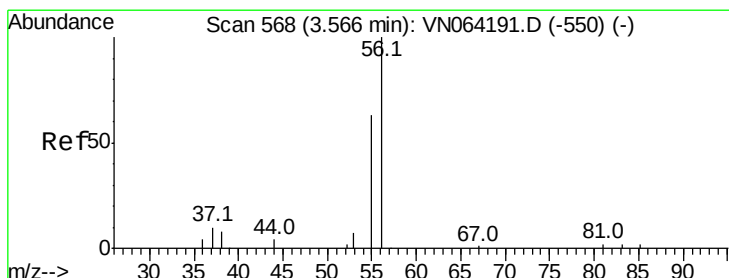
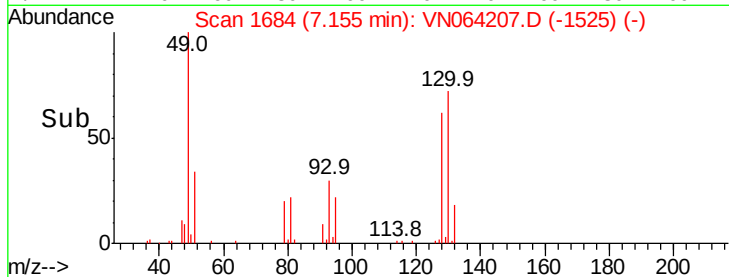
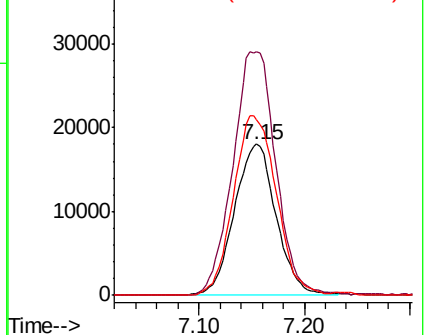
130 122.6 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#13

Acrolein

Concen: 0.202 ug/l

RT: 3.53 min Scan# 556

Delta R.T. -0.04 min

Lab File: VN064207.D

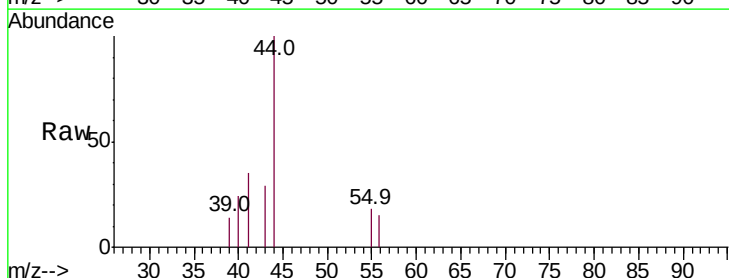
Acq: 20 Oct 2020 19:51

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

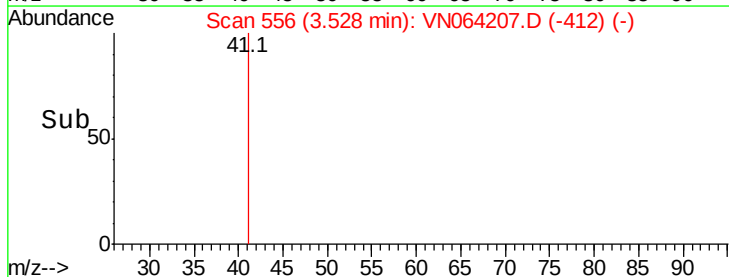
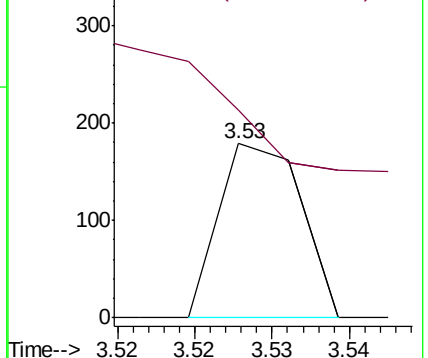
56 100

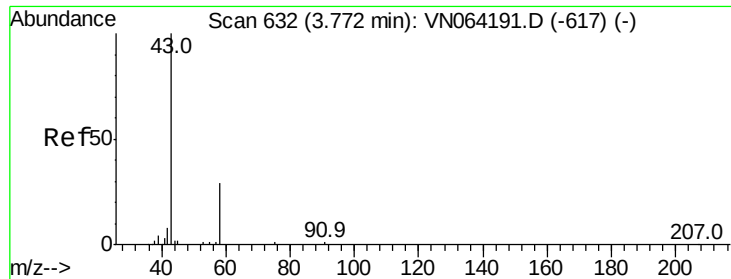
55 792.4 0.5 0.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 1.793 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064207.D

Acq: 20 Oct 2020 19:51

Instrument :

MSVOA_N

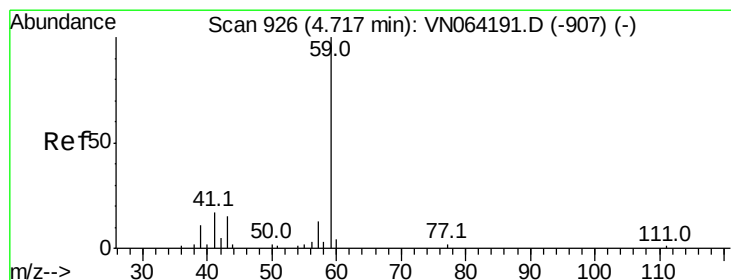
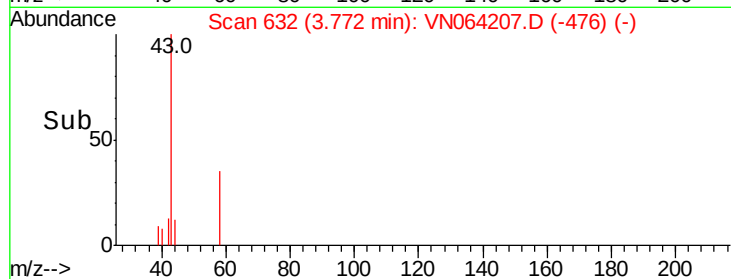
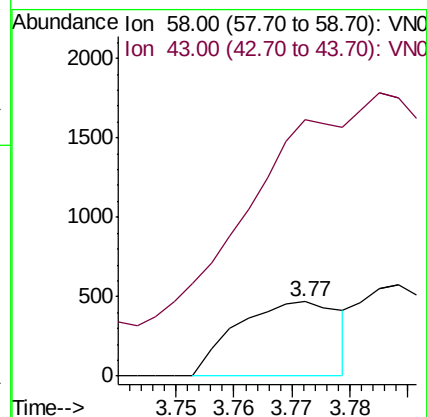
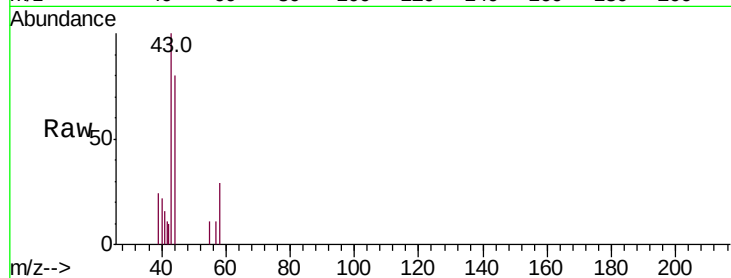
ClientSampled :

Tot Ion: 58 Resp: 582

Ion Ratio Lower Upper

58 100

43 219.9 272.1 408.1#



#23

tert-Butyl Alcohol

Concen: 0.548 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.00 min

Lab File: VN064207.D

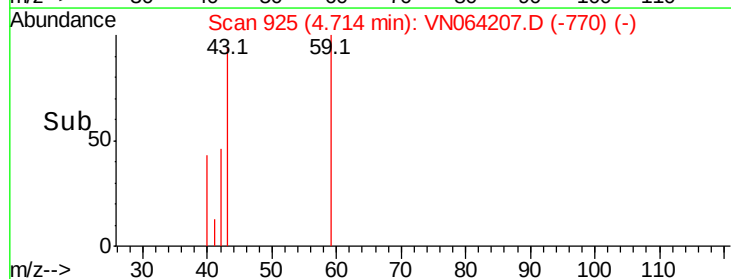
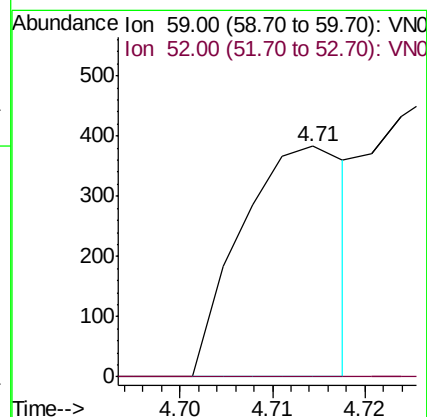
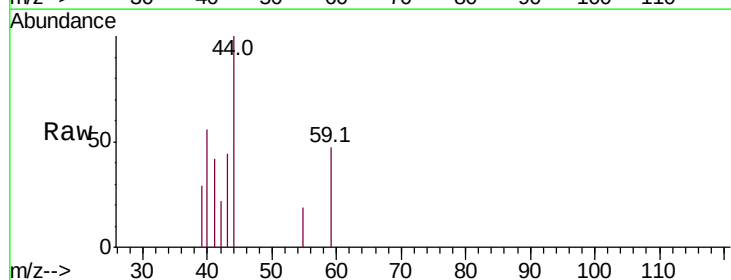
Acq: 20 Oct 2020 19:51

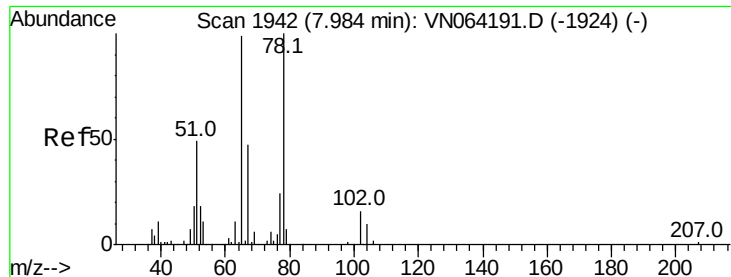
Tgt Ion: 59 Resp: 305

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

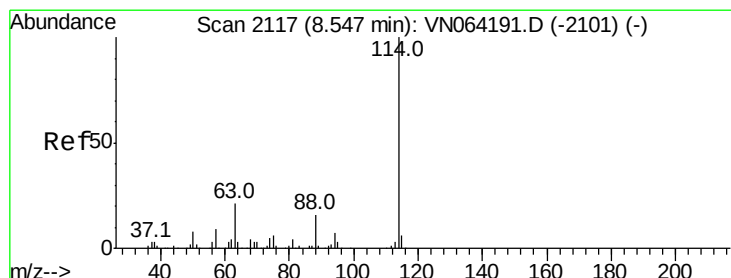
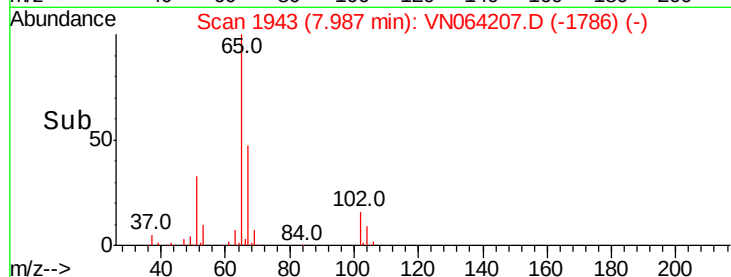
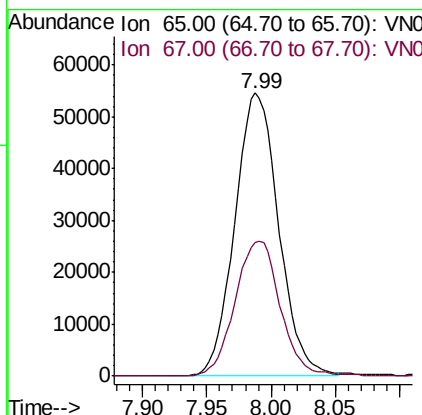
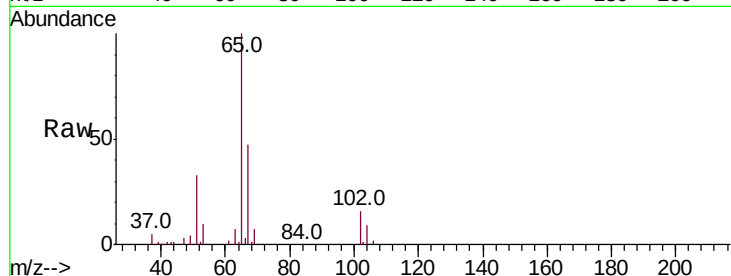




#27
 1,2-Dichloroethane-d4
 Concen: 31.813 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064207.D
 Acq: 20 Oct 2020 19:51

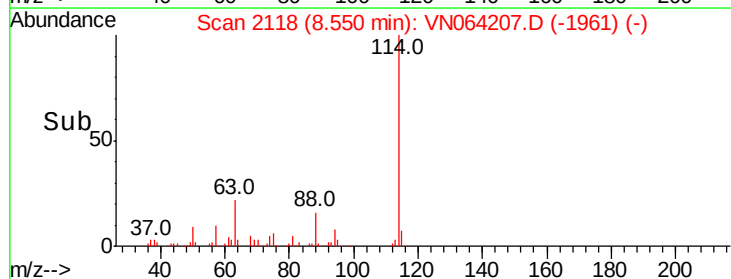
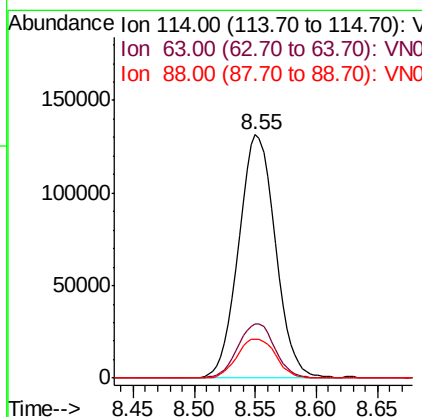
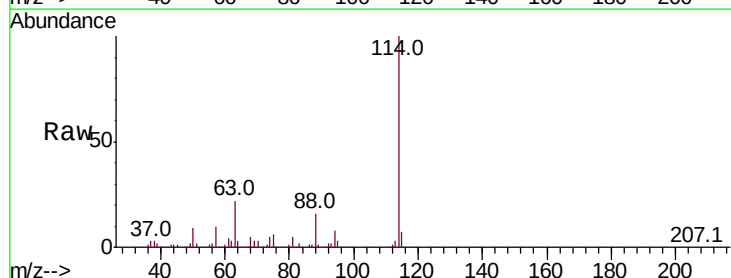
Instrument :
 MSVOA_N
 ClientSampleId :

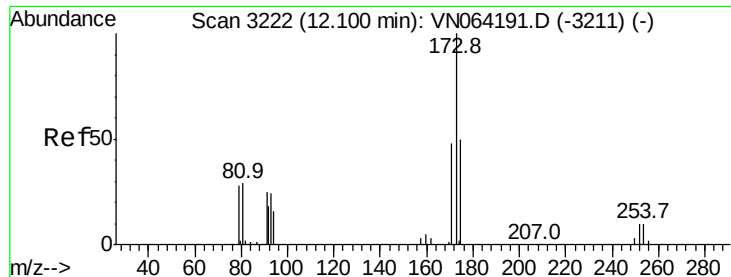
Tot Ion: 65 Resp: 129215
 Ion Ratio Lower Upper
 65 100
 67 48.6 39.8 59.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064207.D
 Acq: 20 Oct 2020 19:51

Tgt Ion: 114 Resp: 274192
 Ion Ratio Lower Upper
 114 100
 63 22.5 17.0 25.4
 88 17.0 13.0 19.4





#56

Bromoform

Concen: 0.242 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064207.D

Acq: 20 Oct 2020 19:51

Instrument :

MSVOA_N

ClientSampleId :

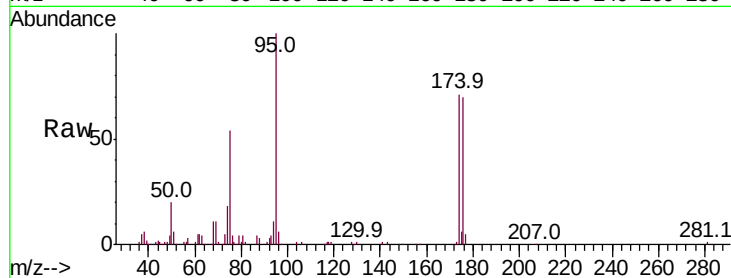
Tot Ion:173 Resp: 670

Ion Ratio Lower Upper

173 100

175 1039.7 39.0 58.4#

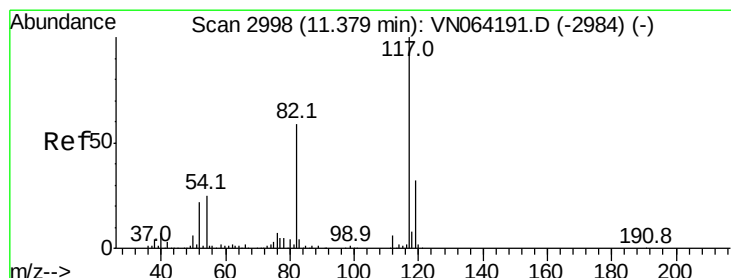
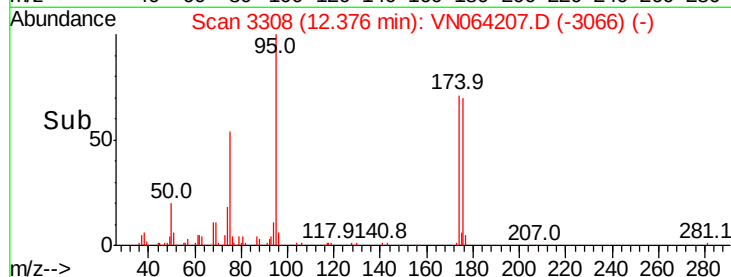
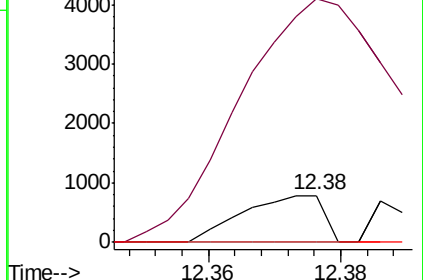
254 0.0 6.8 10.2#



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: VN064207.D

Acq: 20 Oct 2020 19:51

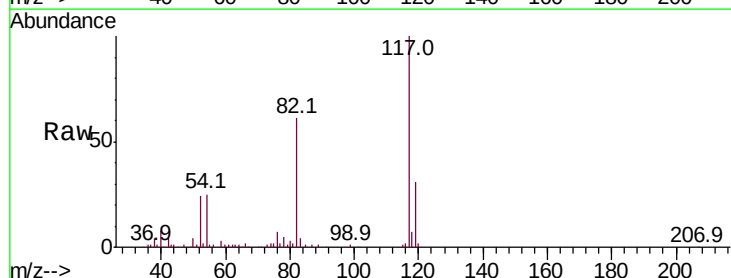
Tgt Ion:117 Resp: 241461

Ion Ratio Lower Upper

117 100

82 59.2 47.8 71.8

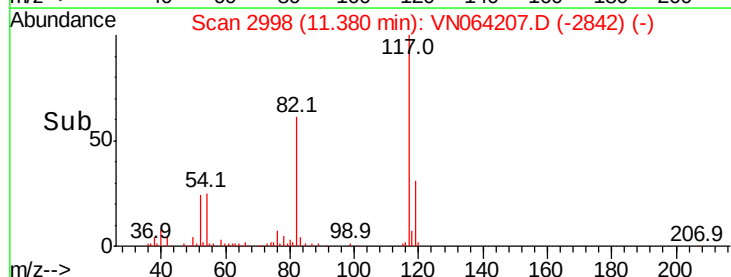
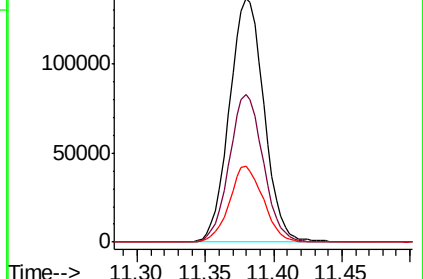
119 30.5 25.7 38.5

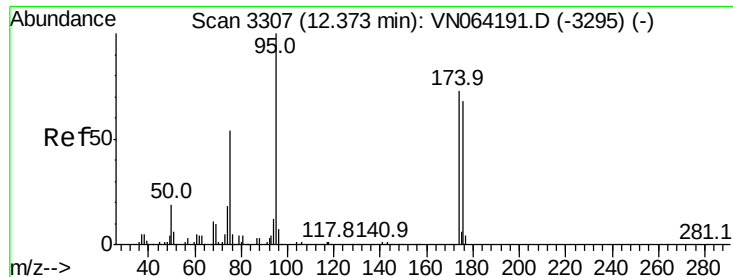


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 28.762 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064207.D

Acq: 20 Oct 2020 19:51

Instrument :

MSVOA_N

ClientSampled :

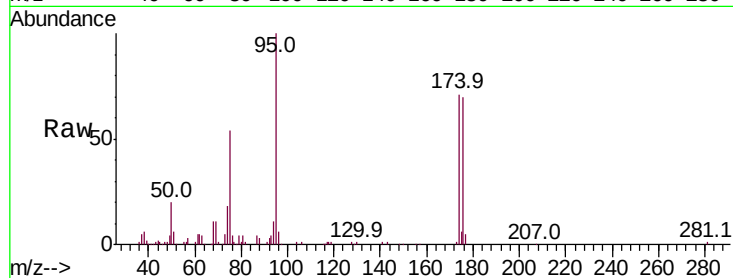
Tot Ion: 95 Resp: 124457

Ion Ratio Lower Upper

95 100

174 70.9 57.6 86.4

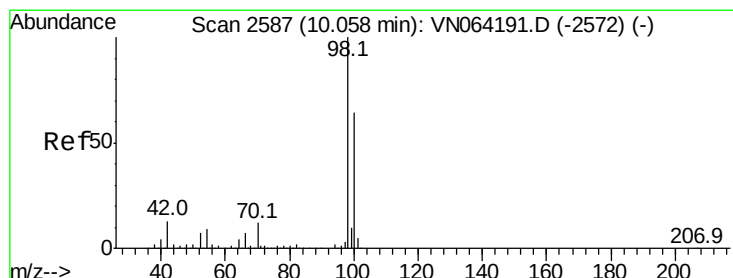
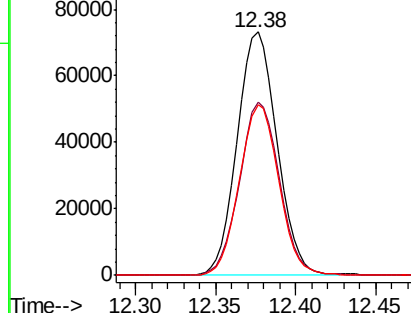
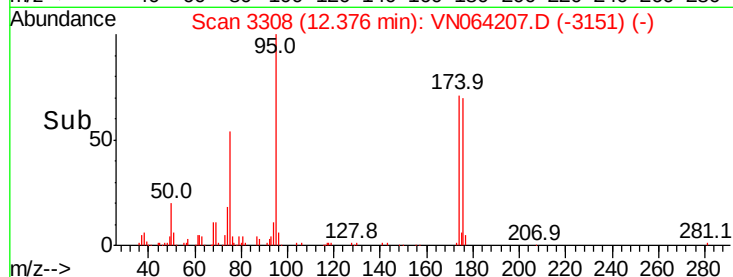
176 69.4 54.9 82.3



Abundance Ion 95.00 (94.70 to 95.70): VN064207.D (-3151) (-)

Ion 174.00 (173.70 to 174.70): VN064207.D (-3151) (-)

Ion 176.00 (175.70 to 176.70): VN064207.D (-3151) (-)



#63

Toluene-d8

Concen: 29.687 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064207.D

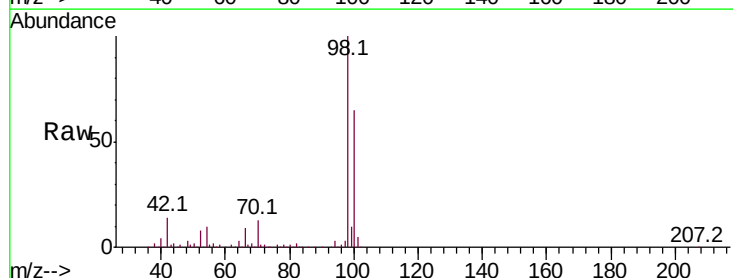
Acq: 20 Oct 2020 19:51

Tgt Ion: 98 Resp: 324531

Ion Ratio Lower Upper

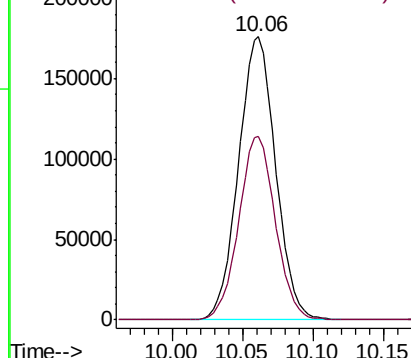
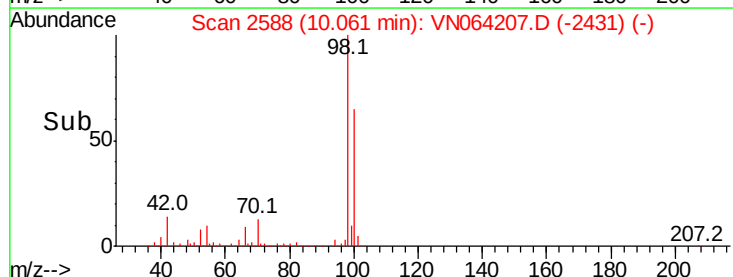
98 100

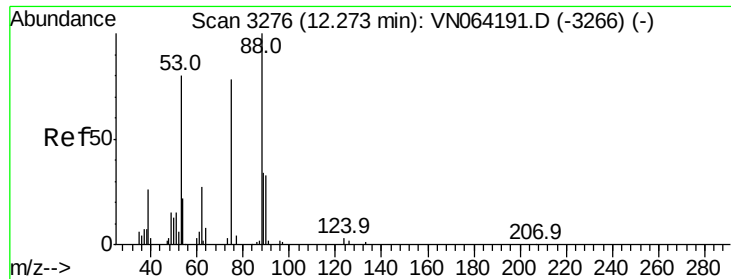
100 64.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN064207.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN064207.D (-2431) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 39.767 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064207.D
Acq: 20 Oct 2020 19:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 67256
Ion Ratio Lower Upper
75 100
53 0.0 51.4 154.2#
89 0.0 23.8 71.5#

