

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064201.D
 Acq On : 20 Oct 2020 17:30
 Operator : JC/MD
 Sample : L4473-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 04:49:56 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	48086	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	274891	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	242794	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.99	65	133798	33.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	113.30%
60) 4-Bromofluorobenzene	12.37	95	123110	28.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.30%
63) Toluene-d8	10.06	98	330879	30.10	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.33%

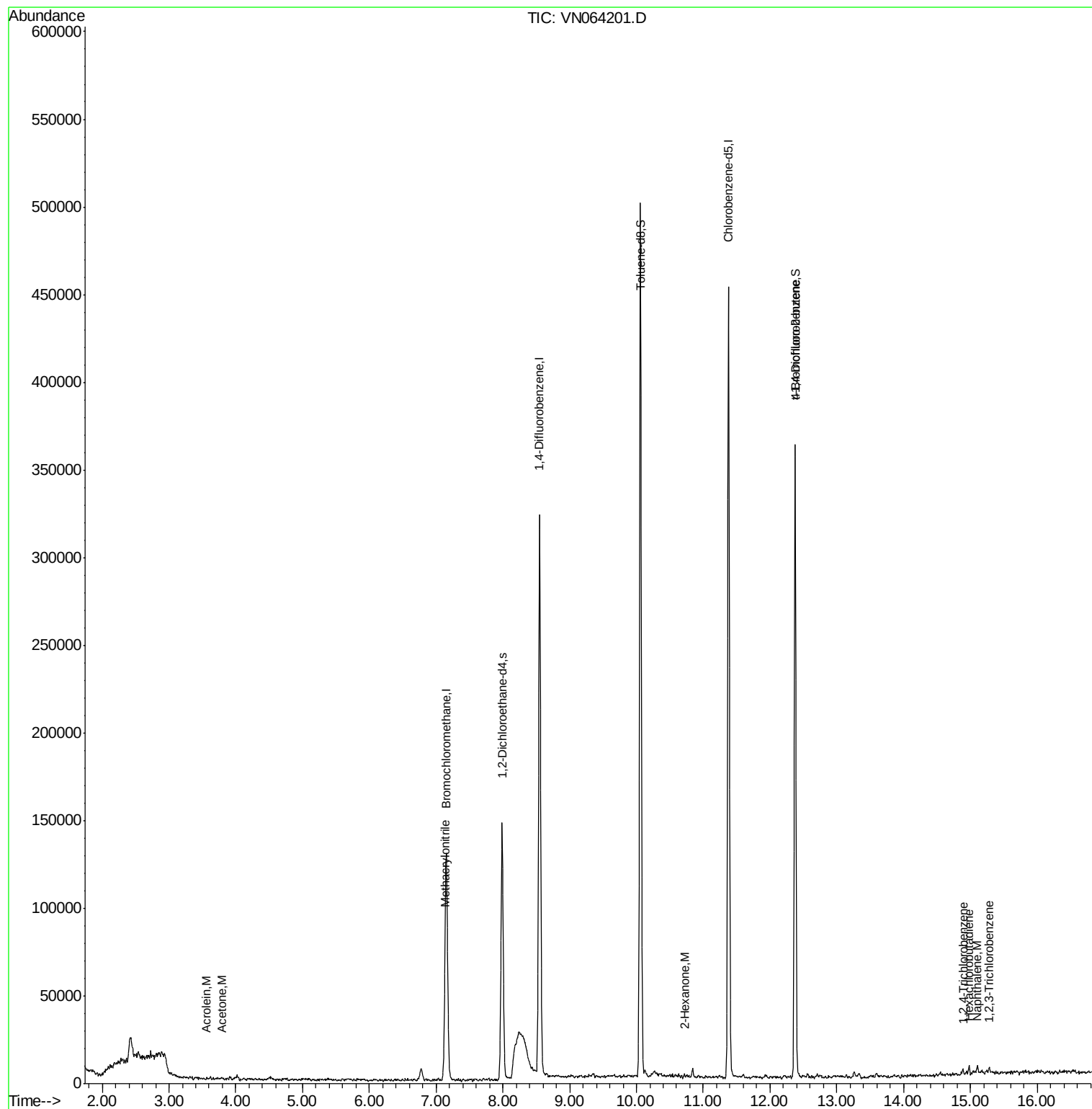
Target Compounds					Ovalue
13) Acrolein	3.55	56	202	0.639 ug/l #	14
15) Acetone	3.80	58	77	0.245 ug/l #	1
35) Methacrylonitrile	7.12	41	434	0.210 ug/l #	25
59) 2-Hexanone	10.72	43	696	0.228 ug/l #	51
77) t-1,4-Dichloro-2-butene	12.38	75	65793	38.689 ug/l #	8
89) 1,2,4-Trichlorobenzene	14.89	180	899	0.233 ug/l #	27
90) Hexachlorobutadiene	14.98	225	977	0.501 ug/l	65
91) Naphthalene	15.11	128	3569	0.306 ug/l #	86
92) 1,2,3-Trichlorobenzene	15.29	180	1105	0.300 ug/l	89

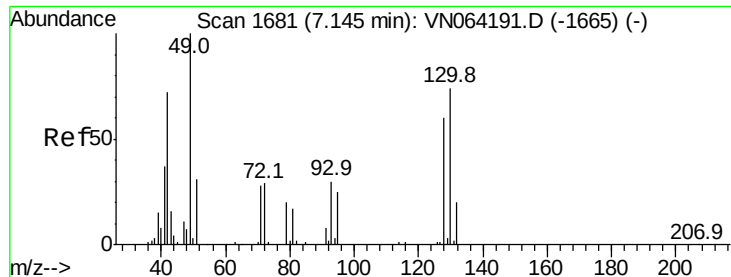
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
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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# 1684

Delta R.T. 0.01 min

Lab File: VN064201.D

Acq: 20 Oct 2020 17:30

Instrument :

MSVOA_N

ClientSampled :

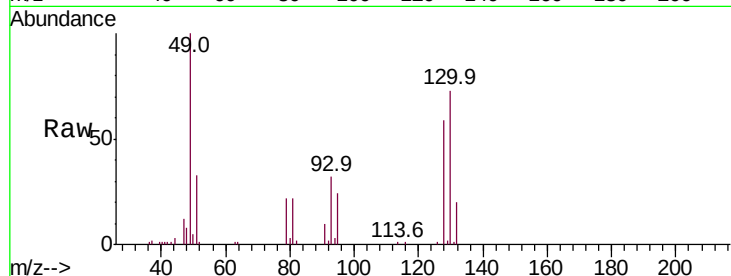
Tot Ion:128 Resp: 48086

Ion Ratio Lower Upper

128 100

49 178.5 0.0 433.3

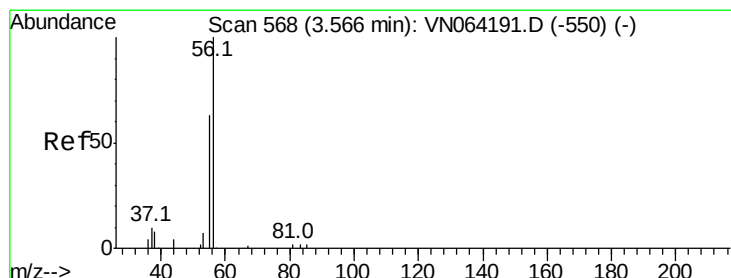
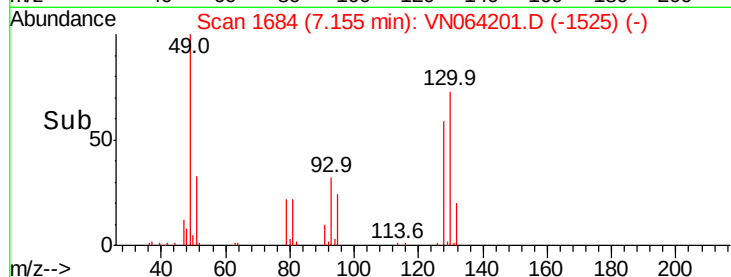
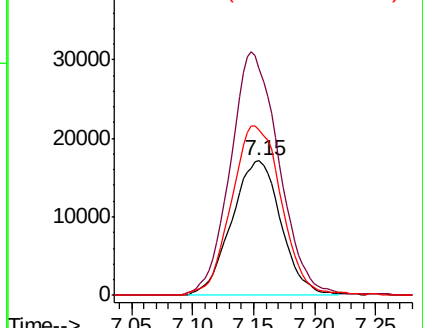
130 127.6 0.0 322.5



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: 0.639 ug/l

RT: 3.55 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN064201.D

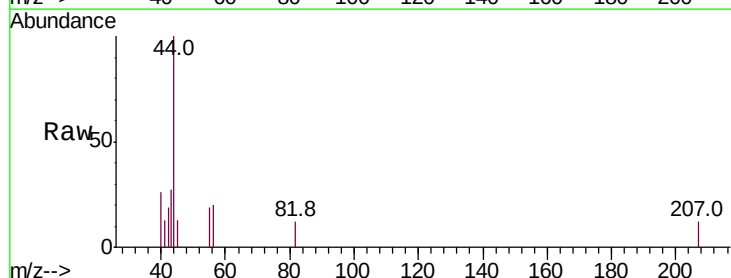
Acq: 20 Oct 2020 17:30

Tgt Ion: 56 Resp: 202

Ion Ratio Lower Upper

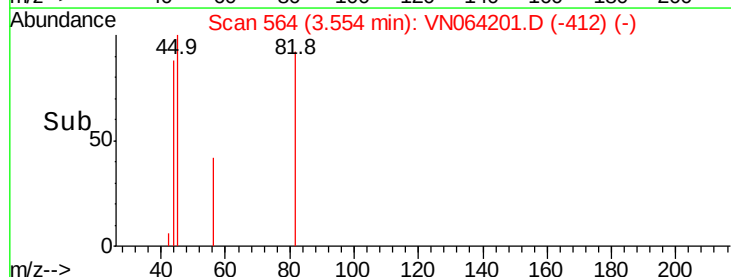
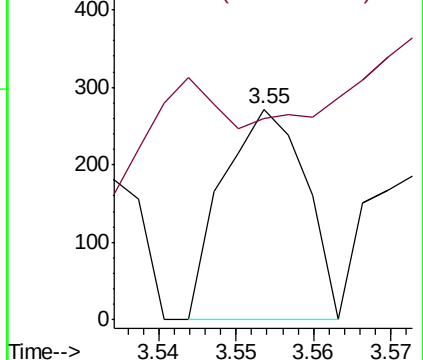
56 100

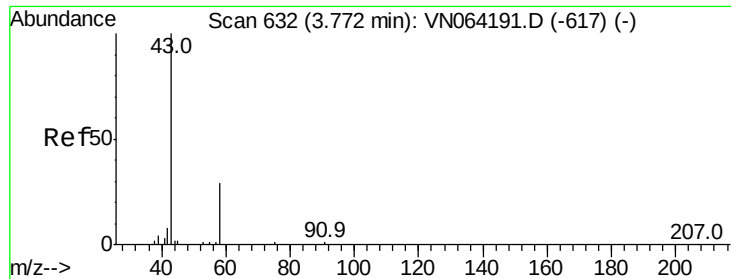
55 50.5 0.5 0.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

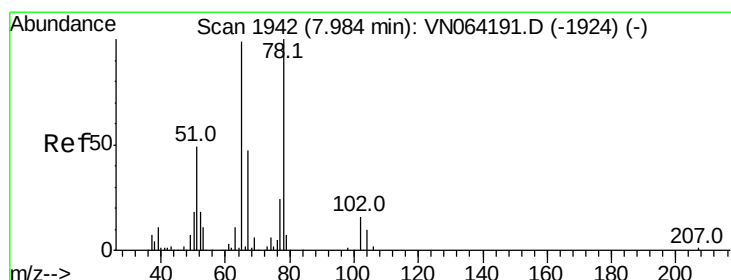
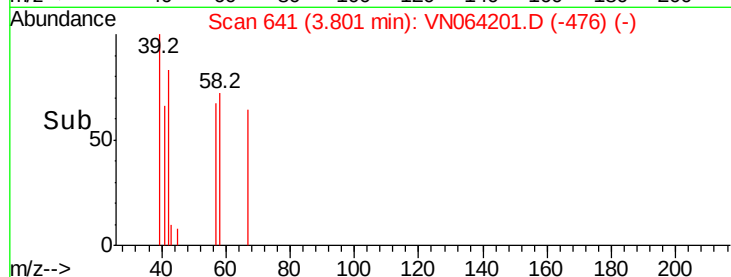
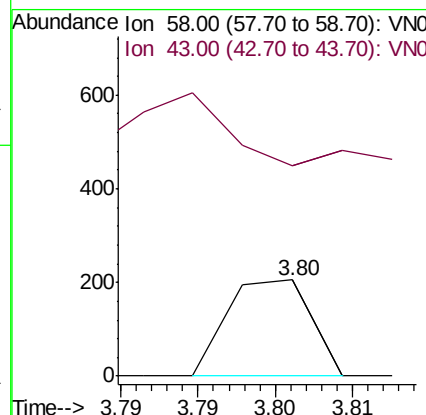
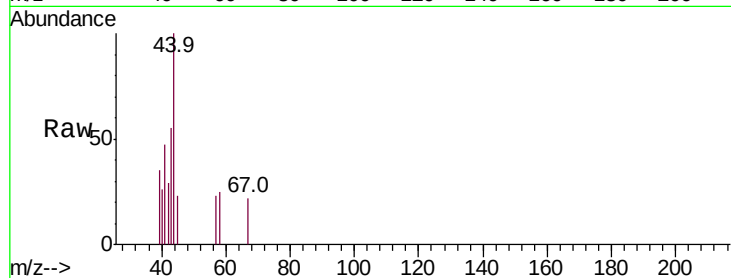




#15
Acetone
Concen: 0.245 ug/l
RT: 3.80 min Scan# 641
Delta R.T. 0.03 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

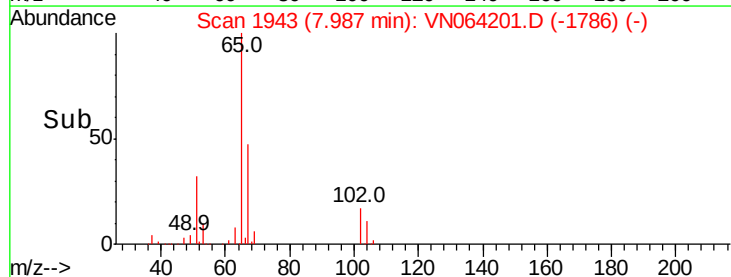
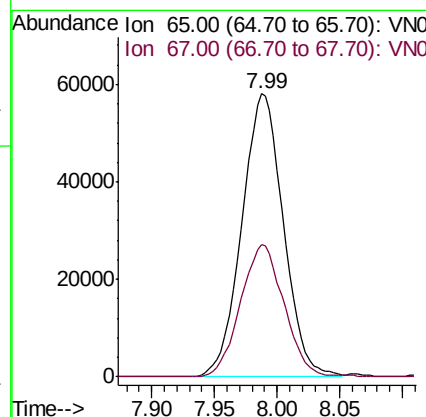
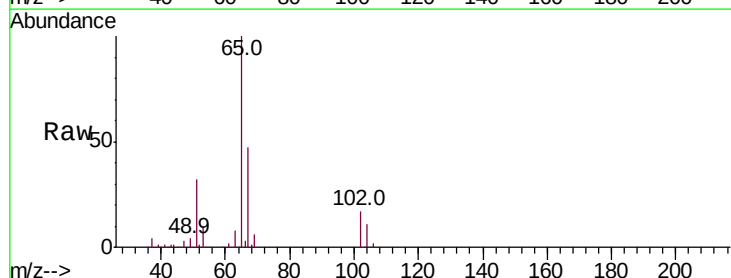
Instrument :
MSVOA_N
ClientSampled :

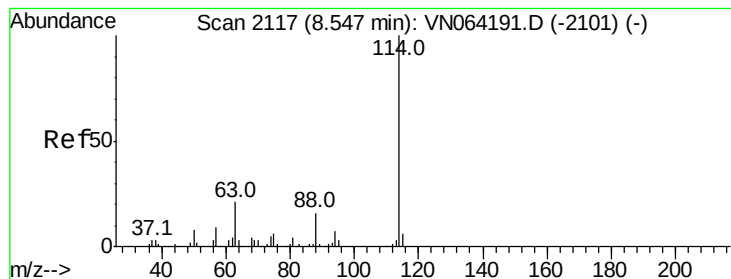
Tot Ion: 58 Resp: 77
Ion Ratio Lower Upper
58 100
43 0.0 272.1 408.1#



#27
1,2-Dichloroethane-d4
Concen: 33.985 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion: 65 Resp: 133798
Ion Ratio Lower Upper
65 100
67 48.7 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: VN064201.D

Acq: 20 Oct 2020 17:30

Instrument :

MSVOA_N

ClientSampleId :

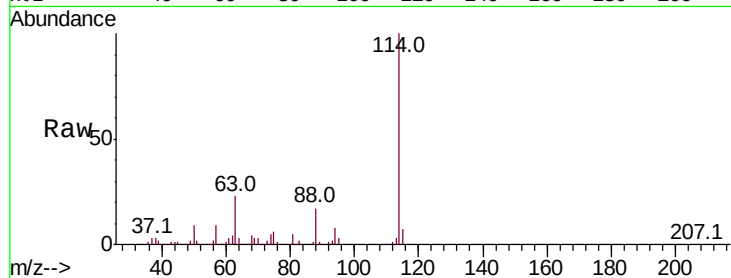
Tot Ion:114 Resp: 274891

Ion Ratio Lower Upper

114 100

63 22.5 17.0 25.4

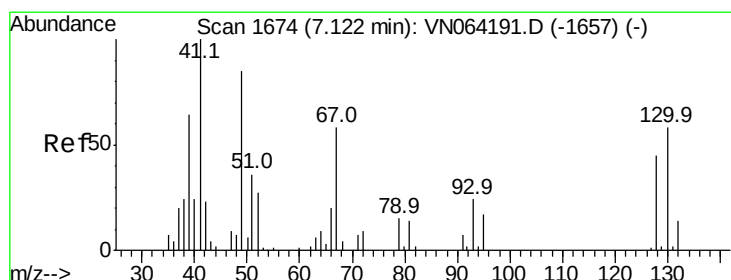
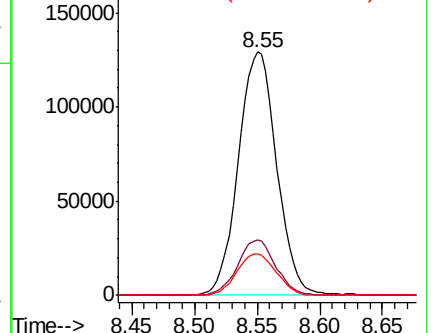
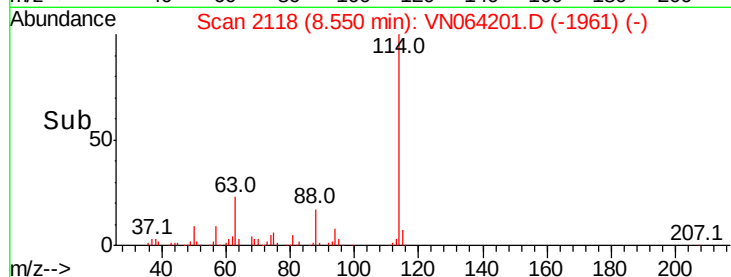
88 17.4 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): VN064201.D (-1961) (-)

Ion 63.00 (62.70 to 63.70): VN064201.D (-1961) (-)

Ion 88.00 (87.70 to 88.70): VN064201.D (-1961) (-)



#35

Methacrylonitrile

Concen: 0.210 ug/l

RT: 7.12 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN064201.D

Acq: 20 Oct 2020 17:30

Tgt Ion: 41 Resp: 434

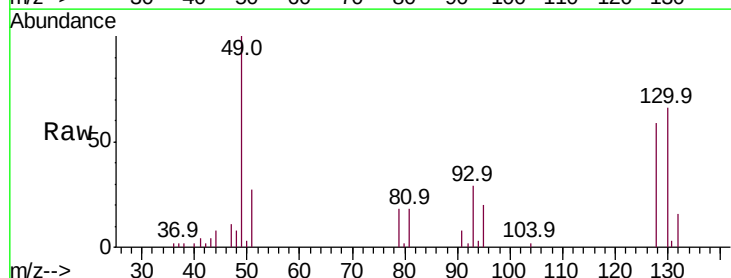
Ion Ratio Lower Upper

41 100

39 0.0 32.1 96.3#

67 0.0 28.9 86.8#

52 0.0 13.4 40.2#

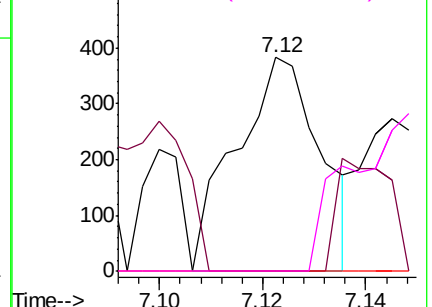
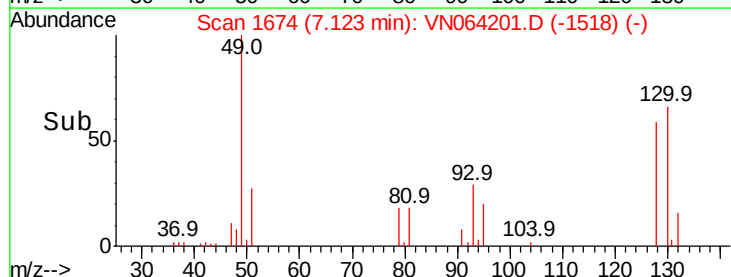


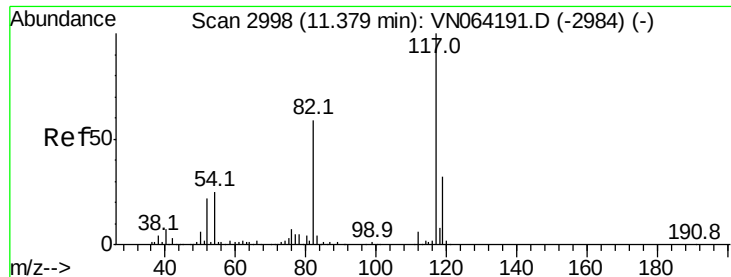
Abundance Ion 41.00 (40.70 to 41.70): VN064201.D (-1518) (-)

Ion 39.00 (38.70 to 39.70): VN064201.D (-1518) (-)

Ion 67.00 (66.70 to 67.70): VN064201.D (-1518) (-)

Ion 52.00 (51.70 to 52.70): VN064201.D (-1518) (-)

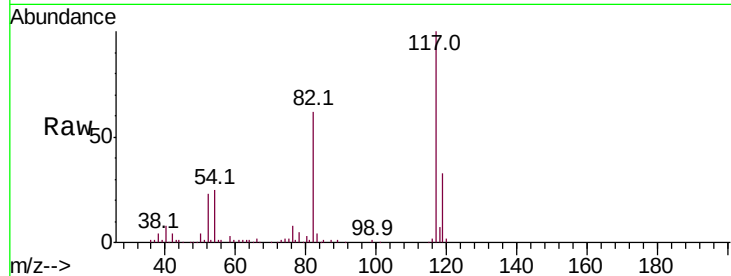




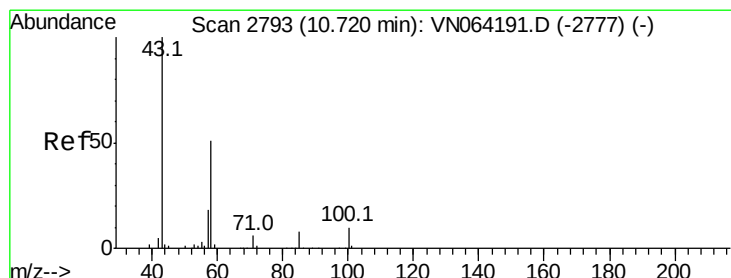
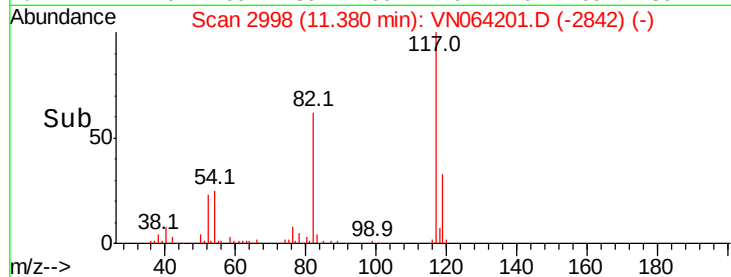
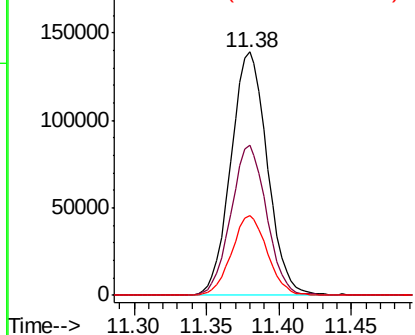
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 242794
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 32.0 25.7 38.5

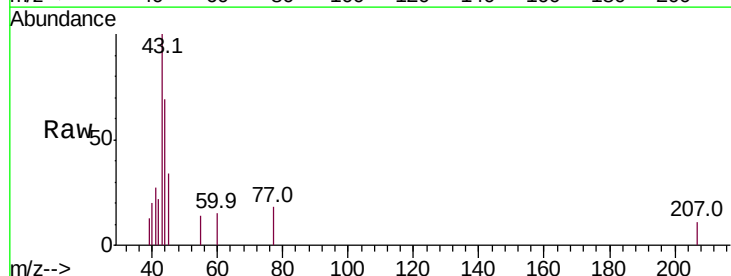


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

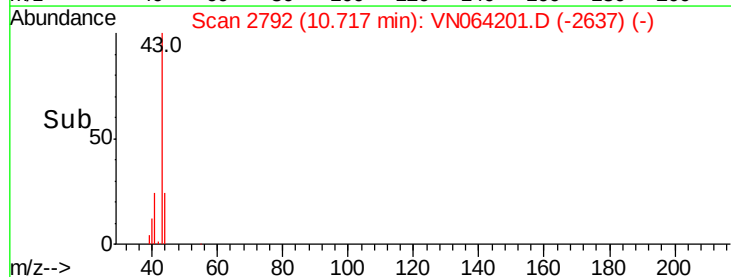
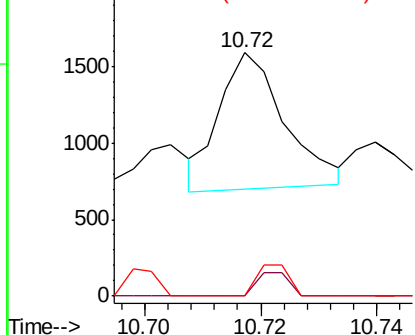


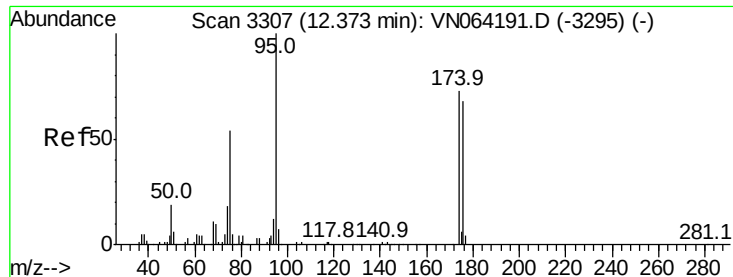
#59
2-Hexanone
Concen: 0.228 ug/l
RT: 10.72 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
58 8.3 40.2 60.4#
57 11.4 14.8 22.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 57.00 (56.70 to 57.70): V

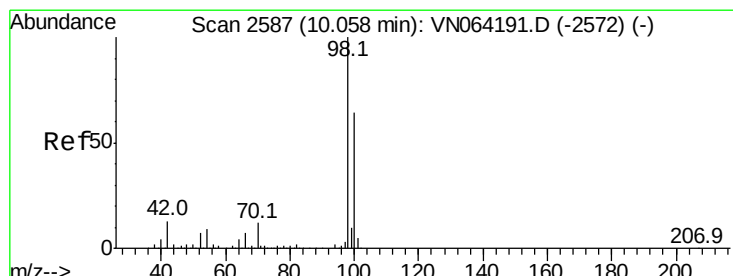
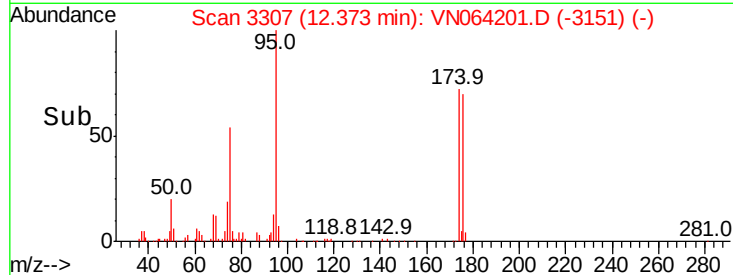
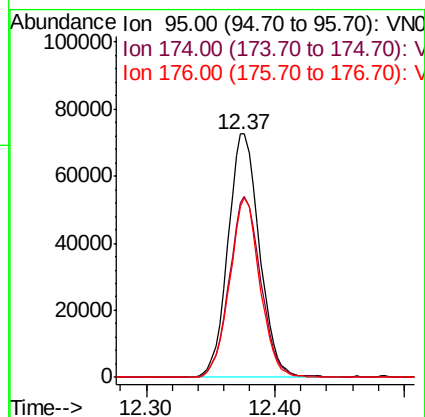
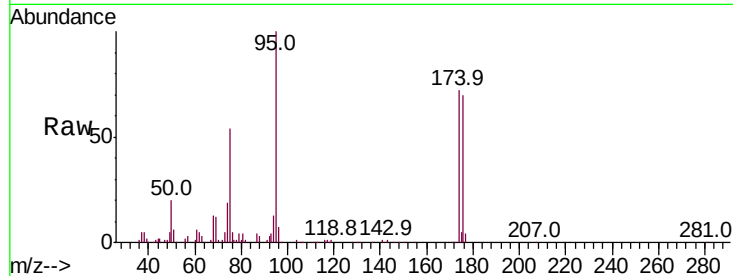




#60
4-Bromofluorobenzene
Concen: 28.295 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

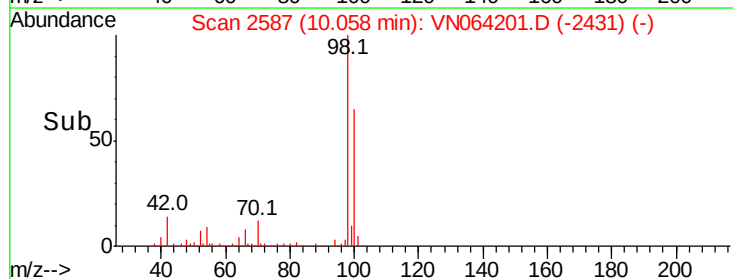
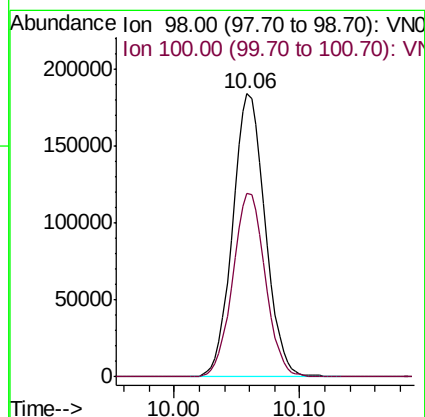
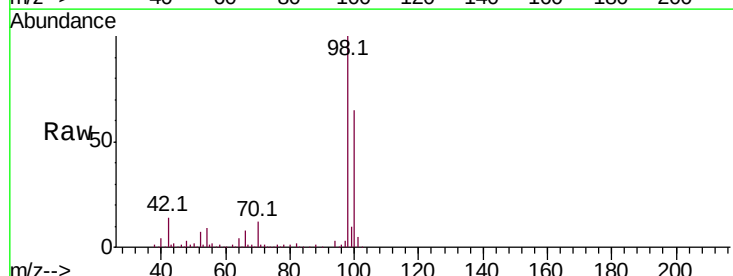
Instrument :
MSVOA_N
ClientSampled :

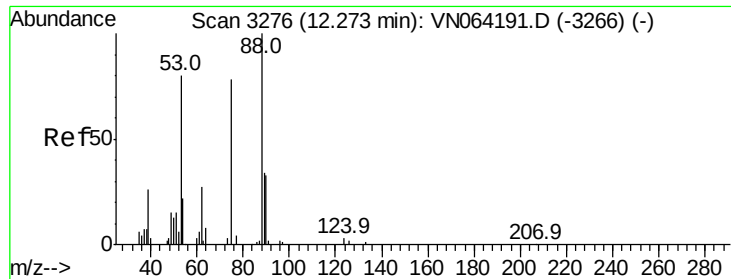
Tot Ion	95	Resp	123110
Ion Ratio	100		
Lower	57.6		
Upper	86.4		
174	74.2		
176	70.5		



#63
Toluene-d8
Concen: 30.102 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064201.D
Acq: 20 Oct 2020 17:30

Tgt Ion	98	Resp	330879
Ion Ratio	100		
Lower	51.4		
Upper	77.2		
100	64.8		





#77

t-1,4-Dichloro-2-butene

Concen: 38.689 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064201.D

Acq: 20 Oct 2020 17:30

Instrument :

MSVOA_N

ClientSampled :

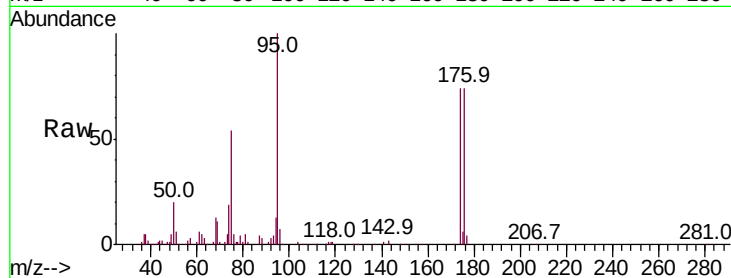
Tot Ion: 75 Resp: 65793

Ion Ratio Lower Upper

75 100

53 0.0 51.4 154.2#

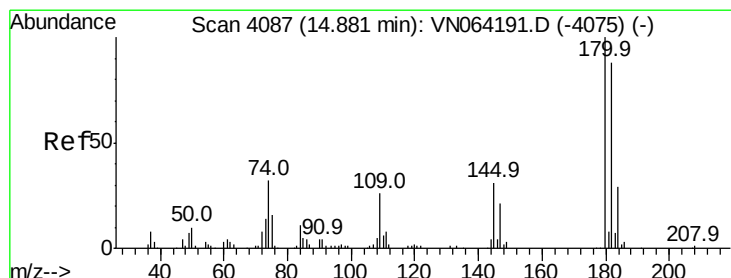
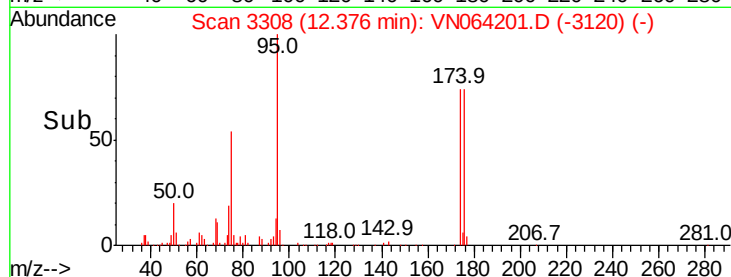
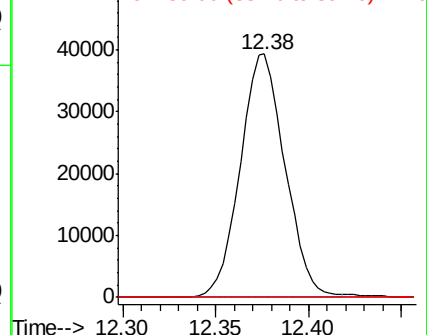
89 0.0 23.8 71.5#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#89

1,2,4-Trichlorobenzene

Concen: 0.233 ug/l

RT: 14.89 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN064201.D

Acq: 20 Oct 2020 17:30

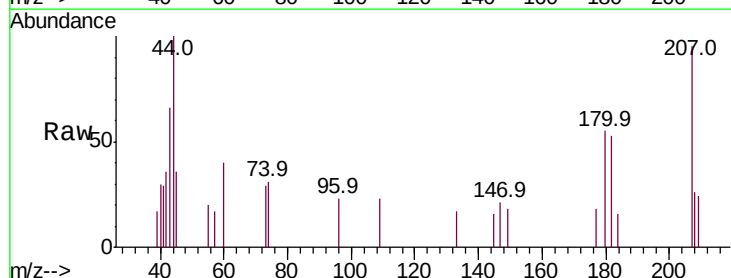
Tgt Ion: 180 Resp: 899

Ion Ratio Lower Upper

180 100

182 9.8 73.0 109.4#

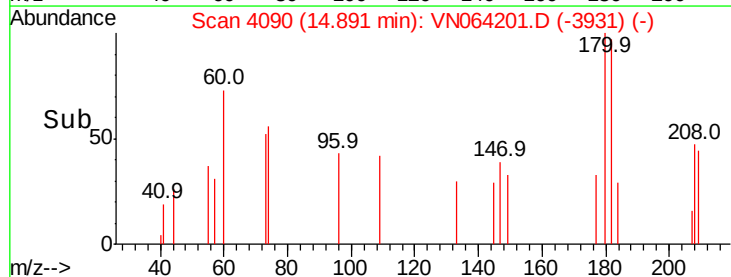
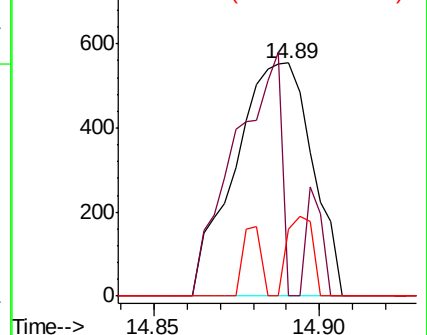
145 11.3 24.3 36.5#

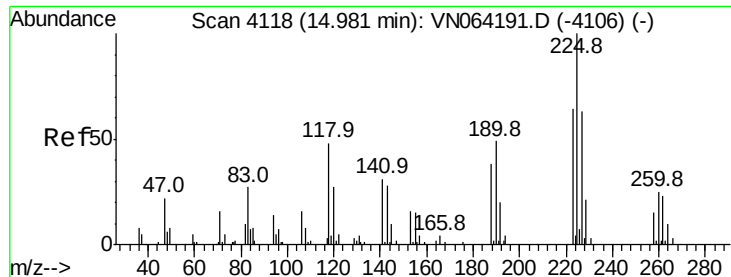


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#90

Hexachlorobutadiene

Concen: 0.501 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN064201.D

Acq: 20 Oct 2020 17:30

Instrument :

MSVOA_N

ClientSampled :

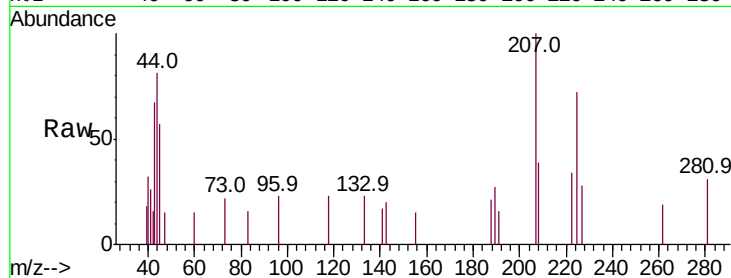
Tot Ion:225 Resp: 977

Ion Ratio Lower Upper

225 100

223 37.4 0.0 127.0

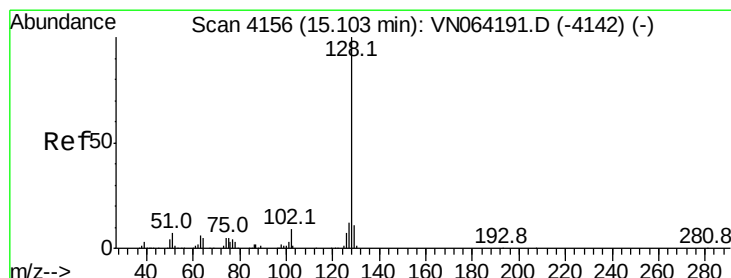
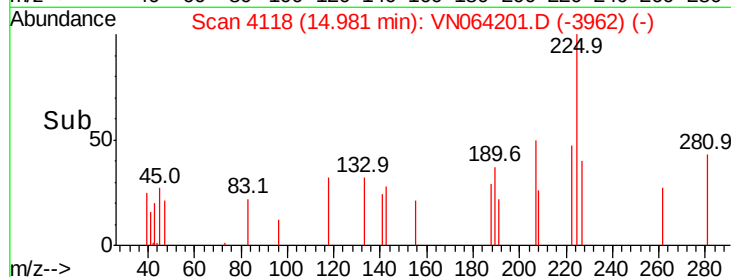
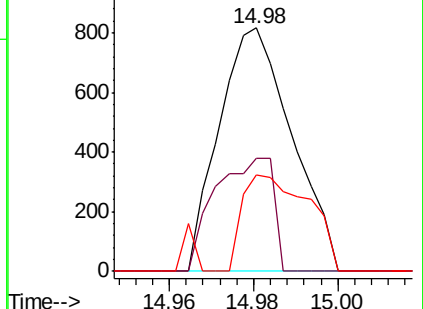
227 36.3 0.0 129.4



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 0.306 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN064201.D

Acq: 20 Oct 2020 17:30

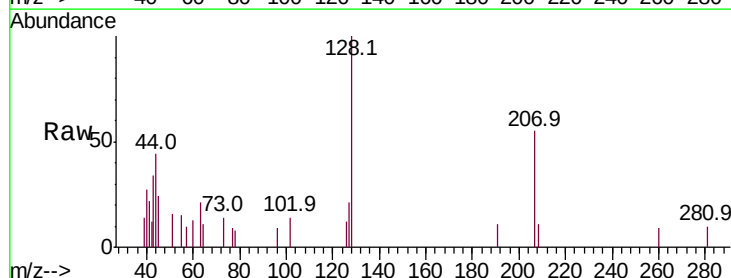
Tgt Ion:128 Resp: 3569

Ion Ratio Lower Upper

128 100

127 11.8 10.1 15.1

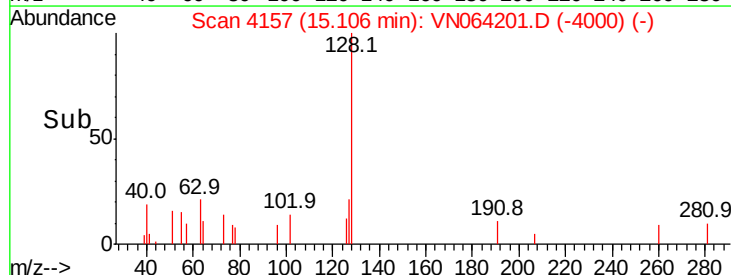
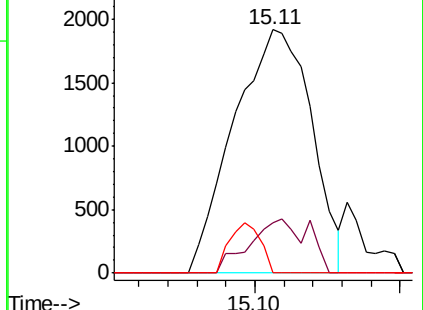
129 0.0 8.7 13.1#

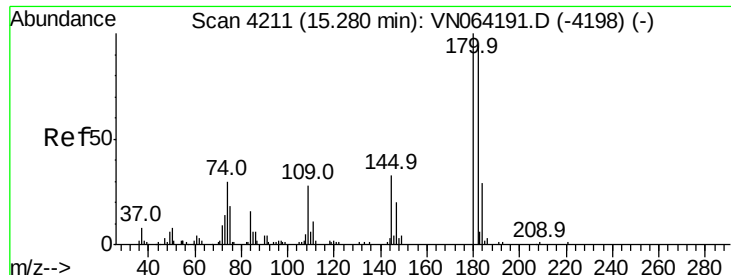


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 0.300 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN064201.D
 Acq: 20 Oct 2020 17:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.3	0.0	190.0
145	23.9	0.0	66.6

