

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064546.D
 Acq On : 11 Nov 2020 11:22
 Operator : JC/MD
 Sample : VN1111WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBL01

Quant Time: Nov 12 01:30:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	246099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	494949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	511966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	184284	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	239845	55.95	ug/l	0.00
Spiked Amount			Recovery	=	111.90%	
35) Dibromofluoromethane	7.55	113	178489	52.97	ug/l	0.00
Spiked Amount			Recovery	=	105.94%	
50) Toluene-d8	10.06	98	638217	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.38	95	234841	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	

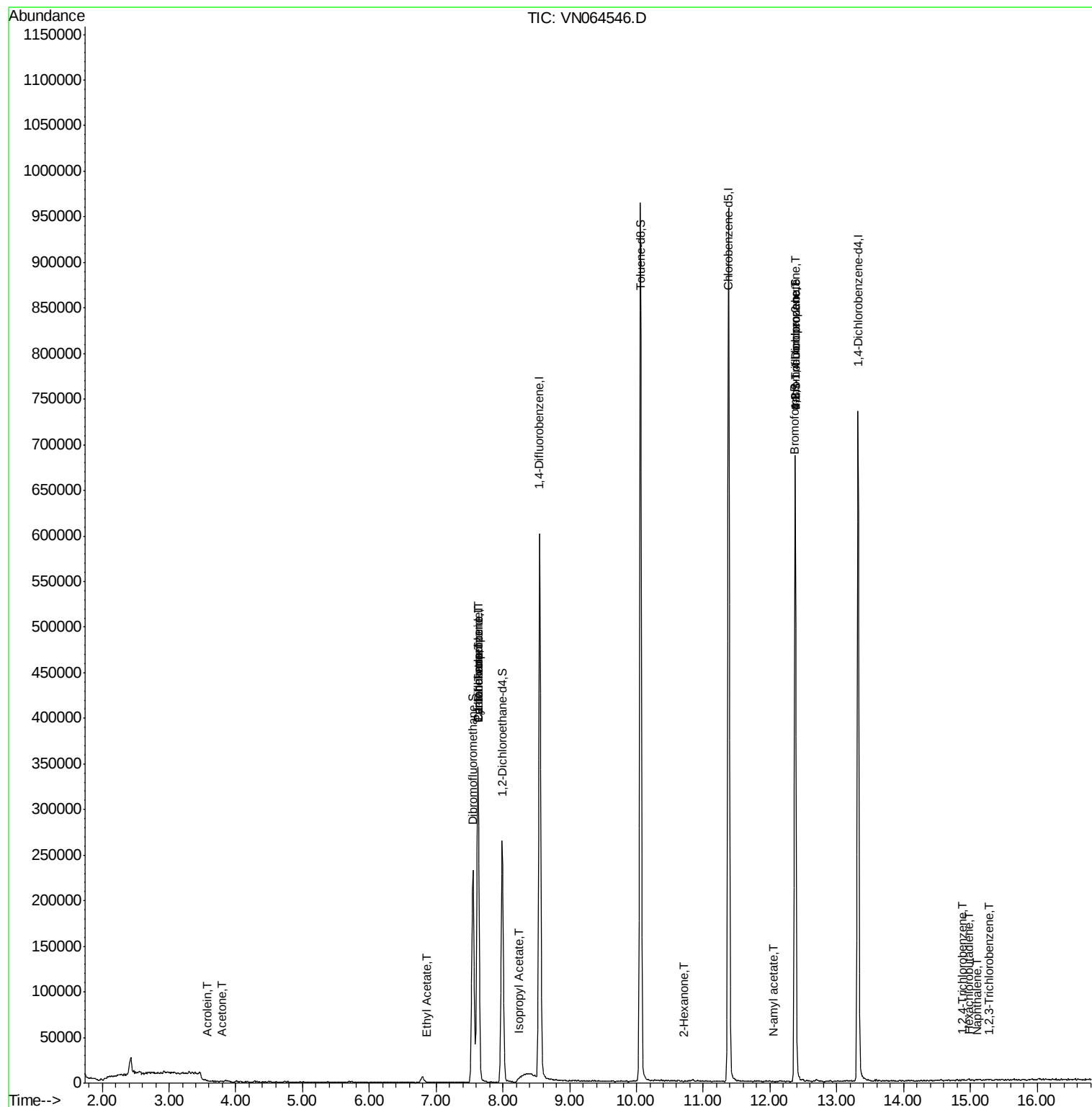
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.57	56	81	0.276	ug/l #	15
16) Acetone	3.79	43	488	0.299	ug/l #	48
31) Cyclohexane	7.63	56	7322	1.405	ug/l #	43
36) 1,1-Dichloropropene	7.63	75	24126	4.614	ug/l #	47
37) Ethyl Acetate	6.87	43	75	0.776	ug/l #	71
38) Carbon Tetrachloride	7.62	117	28747	5.144	ug/l #	17
43) Isopropyl Acetate	8.23	43	2571	0.303	ug/l #	64
59) 2-Hexanone	10.70	43	193	4.075	ug/l #	28
71) Bromoform	12.36	173	269	1.359	ug/l #	29
74) N-amyl acetate	12.05	43	622	1.300	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	128705	28.825	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	128705	80.483	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.88	180	33	2.675	ug/l #	12
94) Hexachlorobutadiene	14.99	225	243	0.201	ug/l #	18
95) Naphthalene	15.11	128	607	3.679	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	100	2.808	ug/l #	1

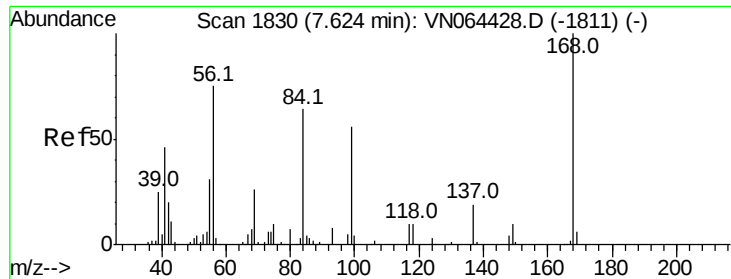
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 12 01:30:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

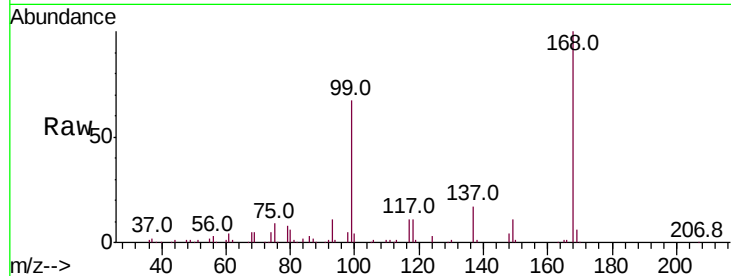
VN1111WBL01

Tot Ion:168 Resp: 246099

Ion Ratio Lower Upper

168 100

99 66.8 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

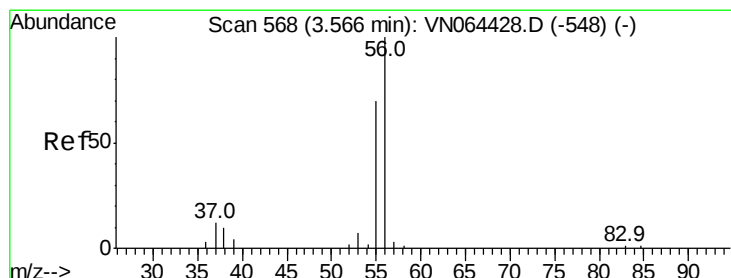
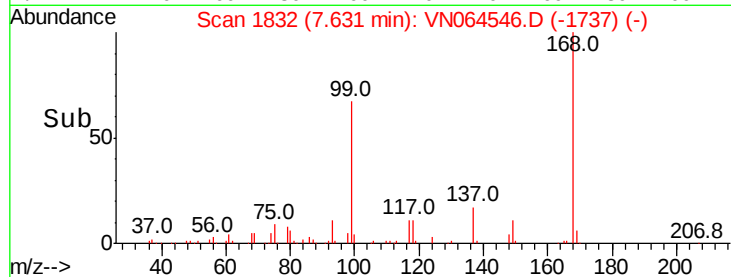
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.276 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064546.D

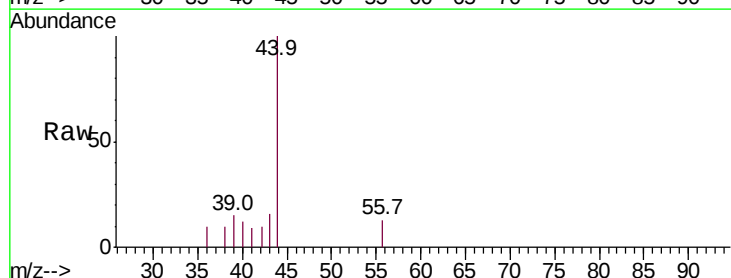
Acq: 11 Nov 2020 11:22

Tgt Ion: 56 Resp: 81

Ion Ratio Lower Upper

56 100

55 0.0 55.9 83.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

250

200

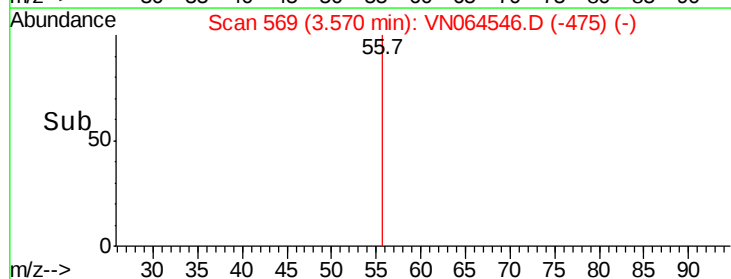
150

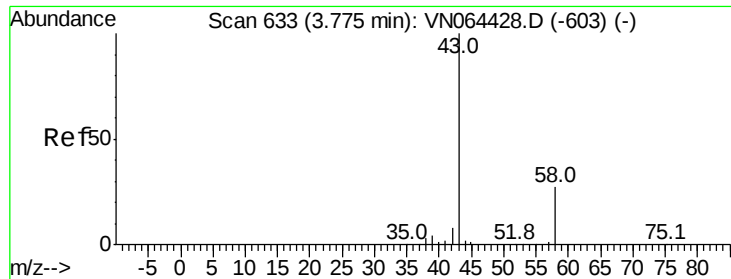
100

50

0

Time-->





#16

Acetone

Concen: 0.299 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

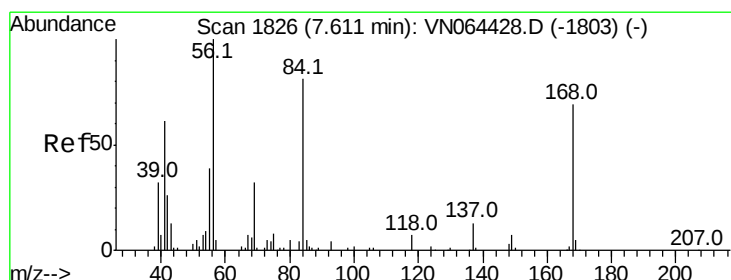
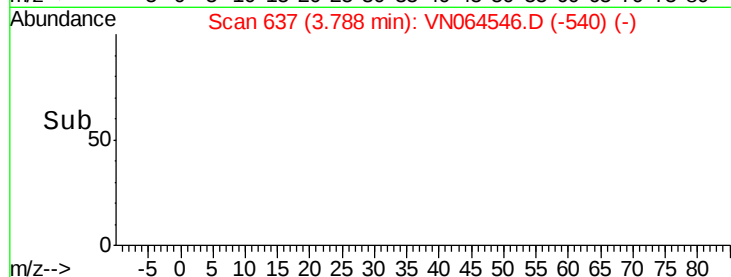
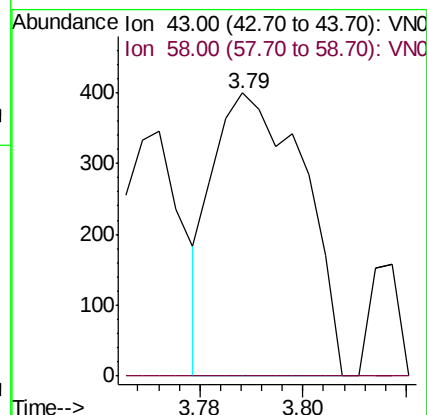
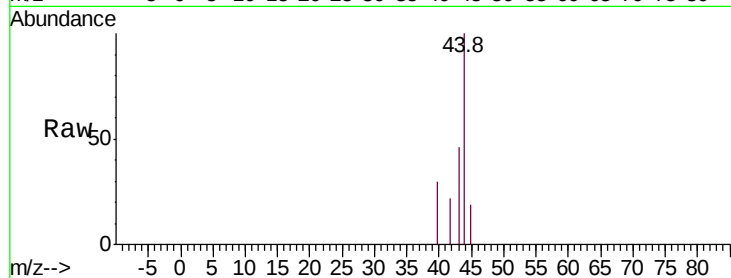
VN1111WBL01

Tot Ion: 43 Resp: 488

Ion Ratio Lower Upper

43 100

58 0.0 21.4 32.0#



#31

Cyclohexane

Concen: 1.405 ug/l

RT: 7.63 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

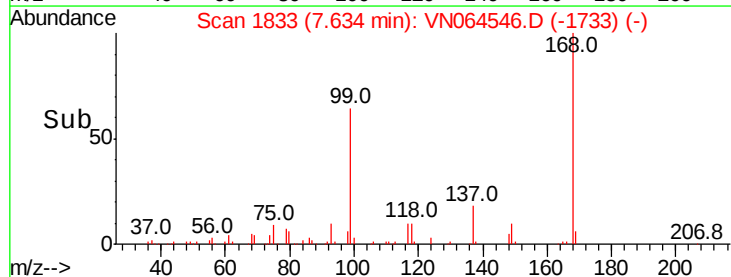
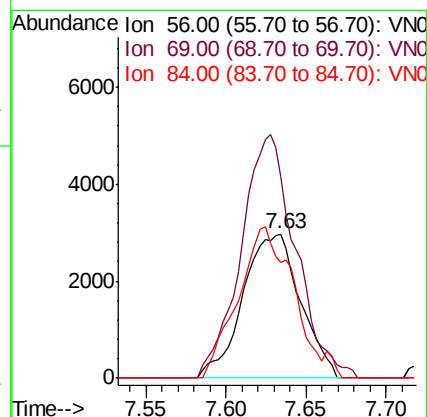
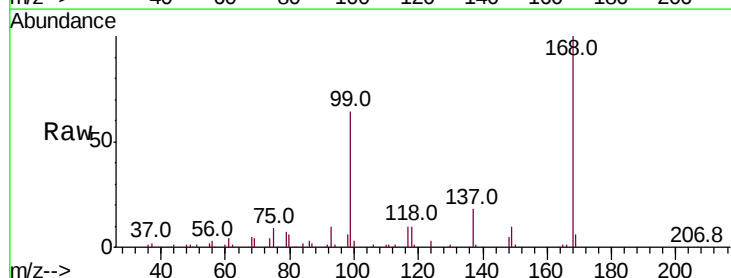
Tgt Ion: 56 Resp: 7322

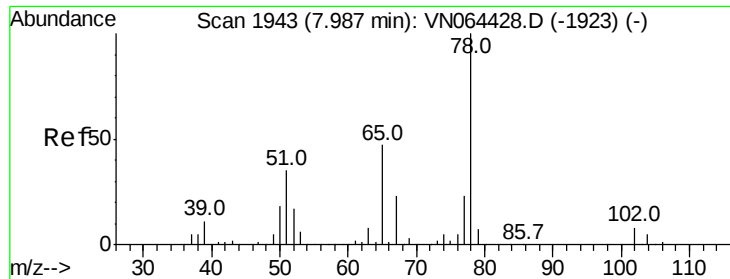
Ion Ratio Lower Upper

56 100

69 139.2 25.6 38.4#

84 80.3 63.0 94.6





#33

1,2-Dichloroethane-d4

Concen: 55.951 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

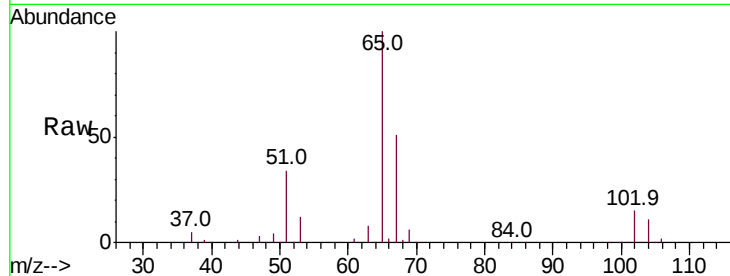
VN1111WBL01

Tot Ion: 65 Resp: 239845

Ion Ratio Lower Upper

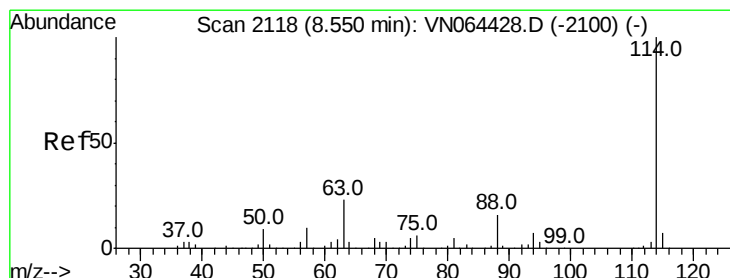
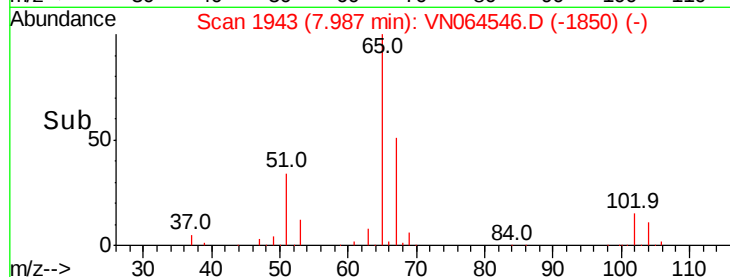
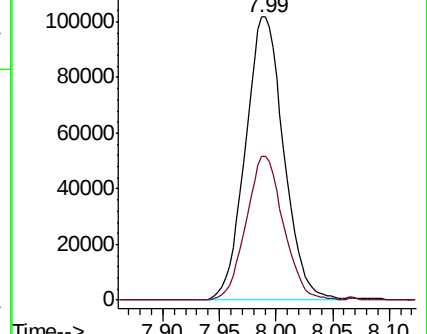
65 100

67 49.5 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064428.D (-1923) (-)

Ion 66.90 (66.60 to 67.60): VN064428.D (-1923) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

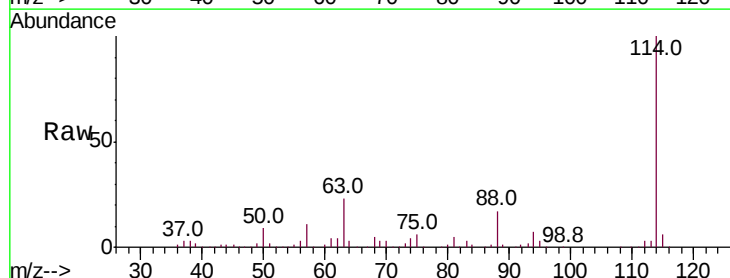
Tgt Ion:114 Resp: 494949

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.6

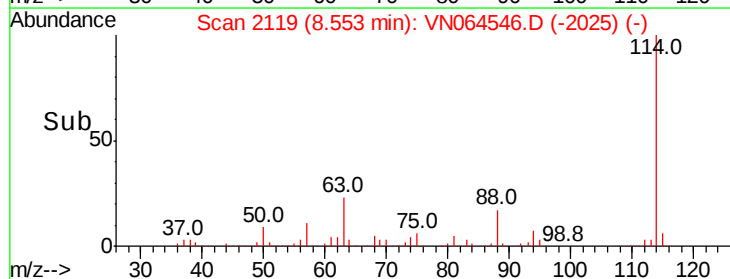
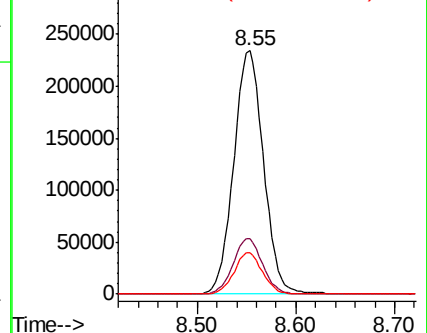
88 17.1 0.0 32.8

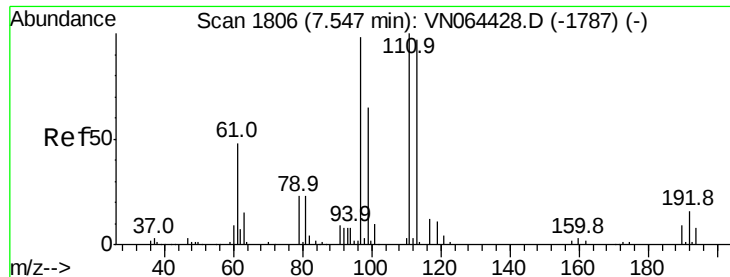


Abundance Ion 113.90 (113.60 to 114.60): VN064428.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN064428.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN064428.D (-2100) (-)

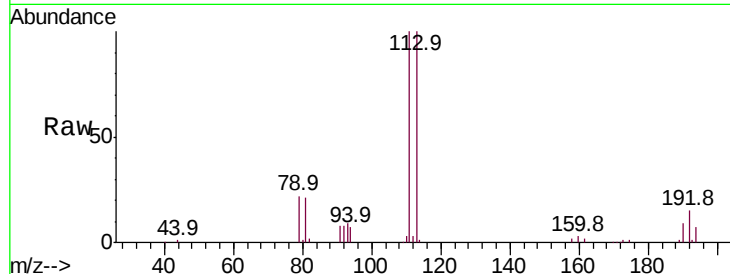




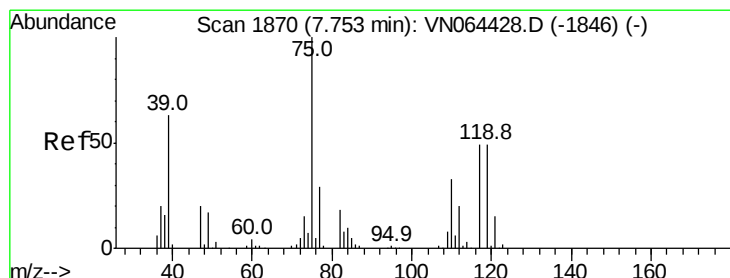
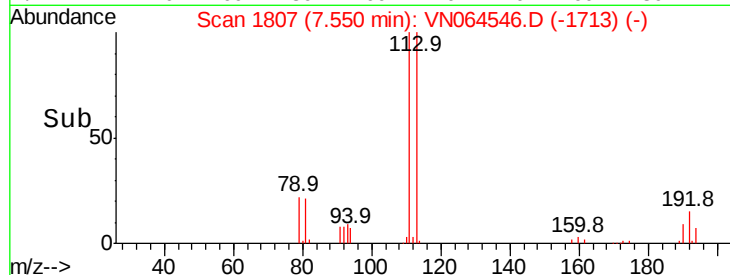
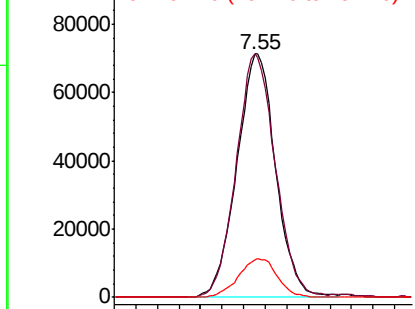
#35
 Dibromofluoromethane
 Concen: 52.965 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064546.D
 Acq: 11 Nov 2020 11:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBL01

Tot Ion:113 Resp: 178489
 Ion Ratio Lower Upper
 113 100
 111 100.4 81.1 121.7
 192 15.9 12.8 19.2

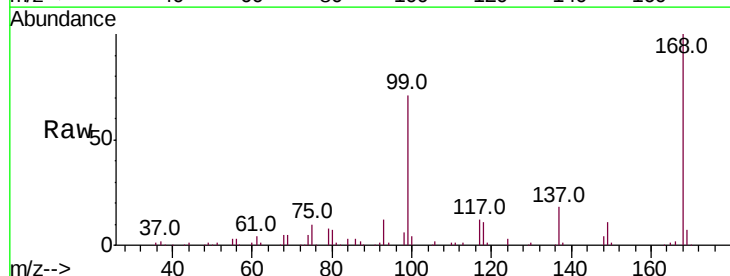


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

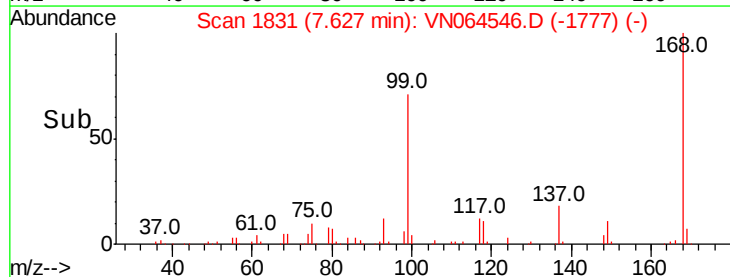
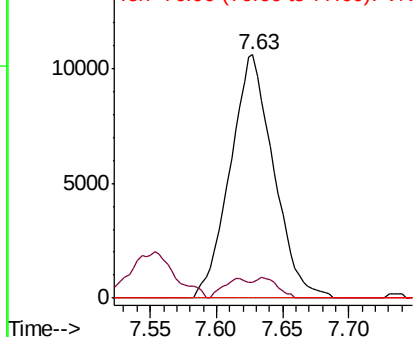


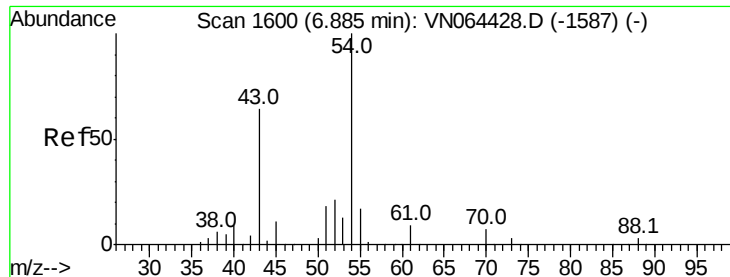
#36
 1,1-Dichloropropene
 Concen: 4.614 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064546.D
 Acq: 11 Nov 2020 11:22

Tgt Ion: 75 Resp: 24126
 Ion Ratio Lower Upper
 75 100
 110 4.1 16.0 48.0#
 77 0.0 24.0 36.0#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

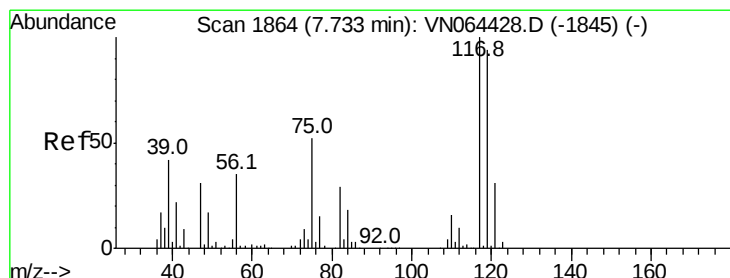
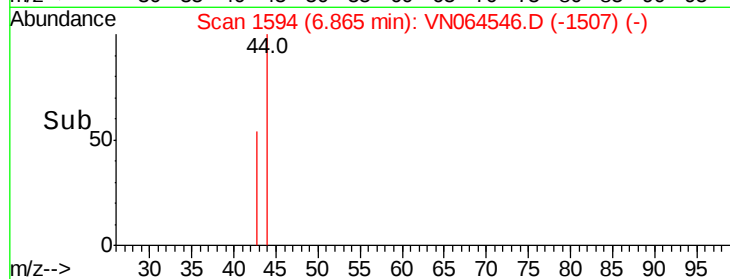
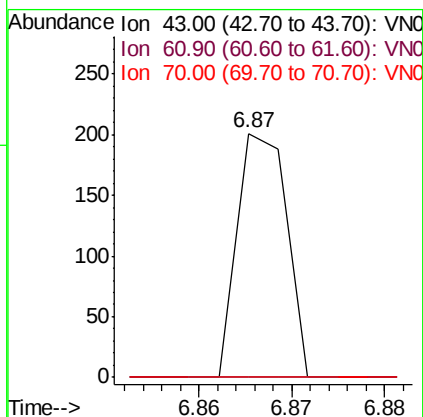
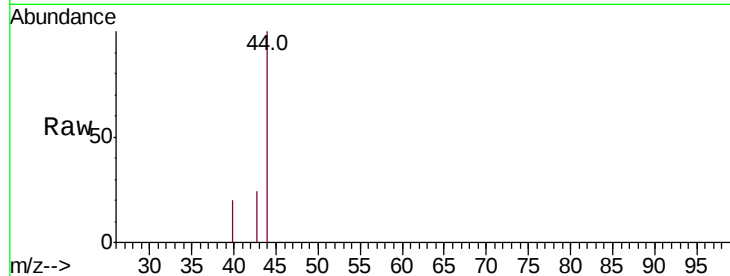




#37
Ethyl Acetate
Concen: 0.776 ug/l
RT: 6.87 min Scan# 1594
Delta R.T. -0.02 min
Lab File: VN064546.D
Acq: 11 Nov 2020 11:22

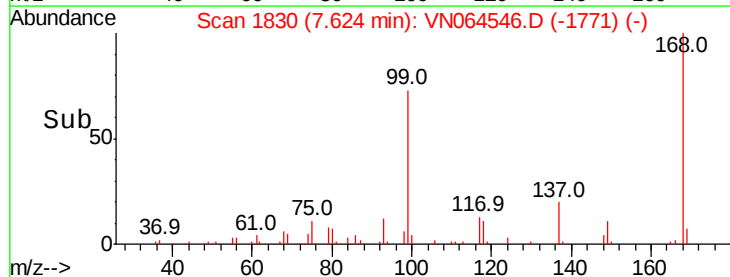
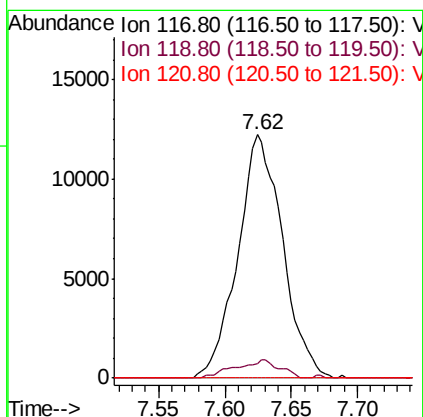
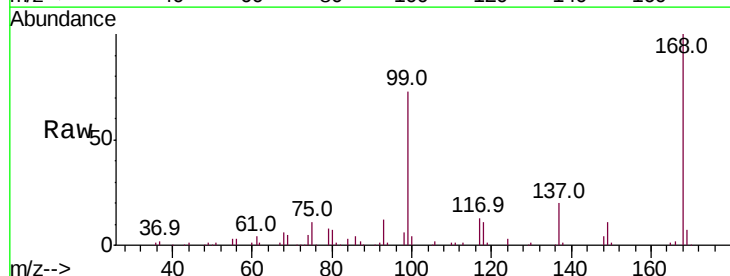
Instrument :
MSVOA_N
ClientSampled :
VN1111WBL01

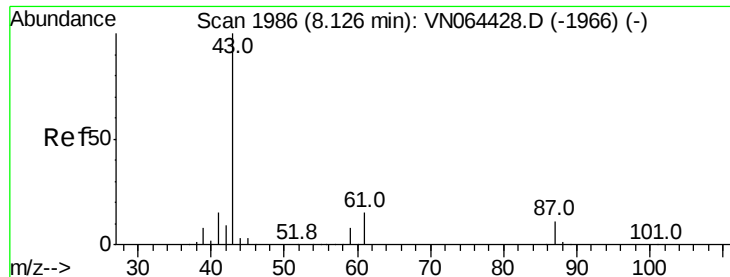
Tot Ion: 43 Resp: 75
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.144 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN064546.D
Acq: 11 Nov 2020 11:22

Tgt Ion: 117 Resp: 28747
Ion Ratio Lower Upper
117 100
119 6.2 75.5 113.3#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: 0.303 ug/l

RT: 8.23 min Scan# 2019

Delta R.T. 0.11 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Instrument :

MSVOA_N

ClientSampled :

VN1111WBL01

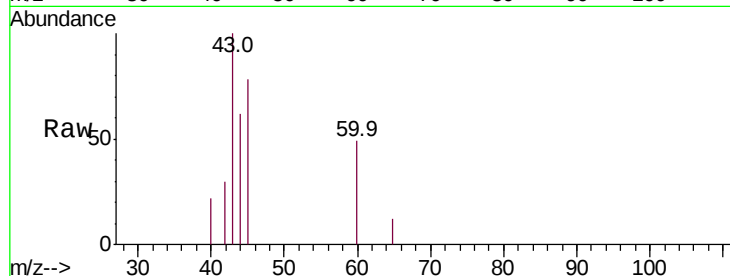
Tot Ion: 43 Resp: 2571

Ion Ratio Lower Upper

43 100

61 0.0 14.0 21.0#

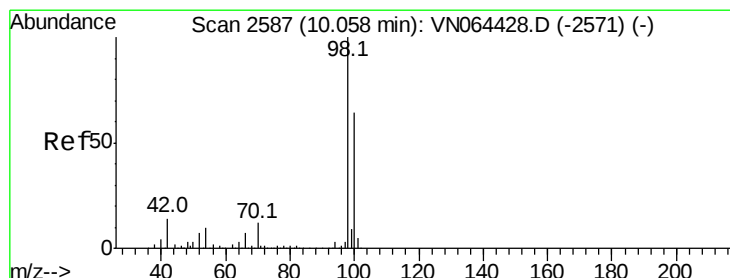
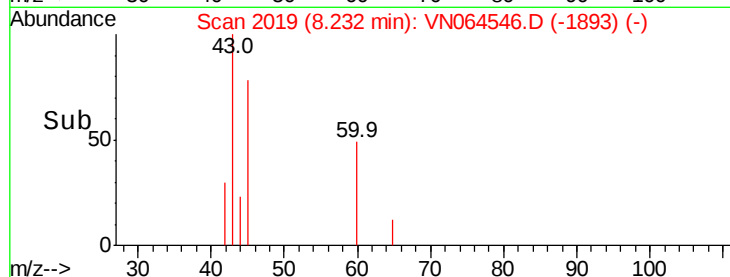
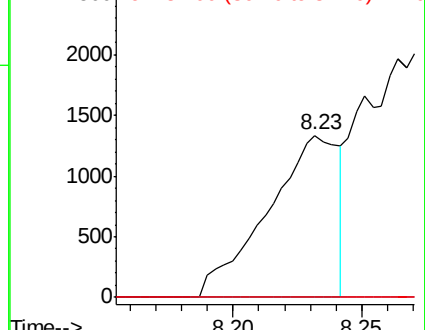
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#50

Toluene-d8

Concen: 49.000 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064546.D

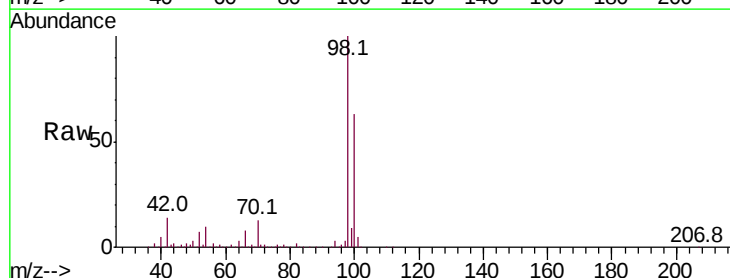
Acq: 11 Nov 2020 11:22

Tgt Ion: 98 Resp: 638217

Ion Ratio Lower Upper

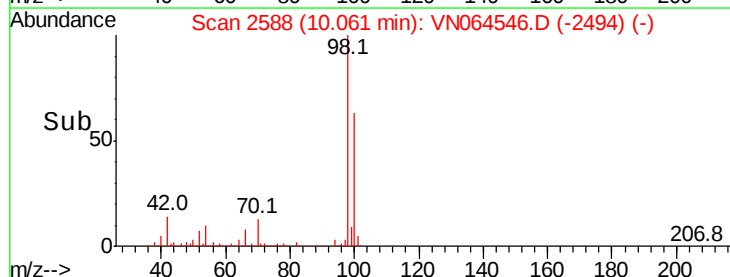
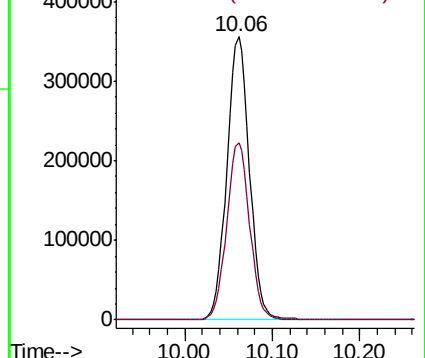
98 100

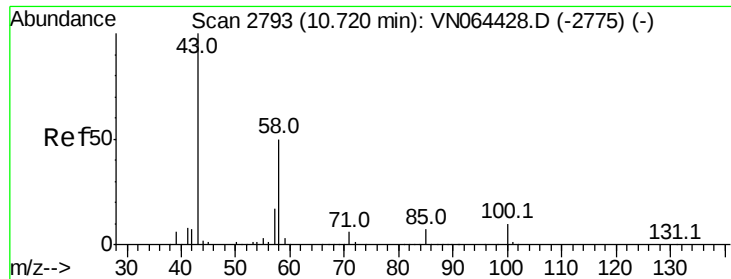
100 63.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064428.D (-2571) (-)





#59

2-Hexanone

Concen: 4.075 ug/l

RT: 10.70 min Scan# 2788

Delta R.T. -0.02 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Instrument :

MSVOA_N

ClientSampled :

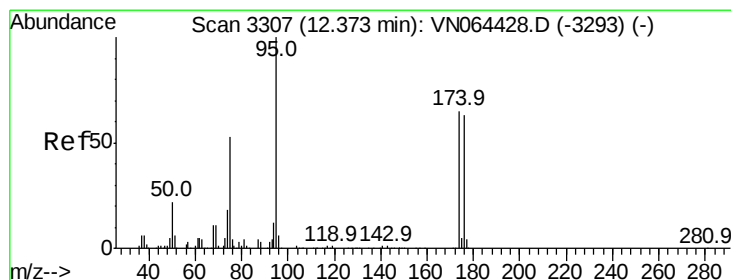
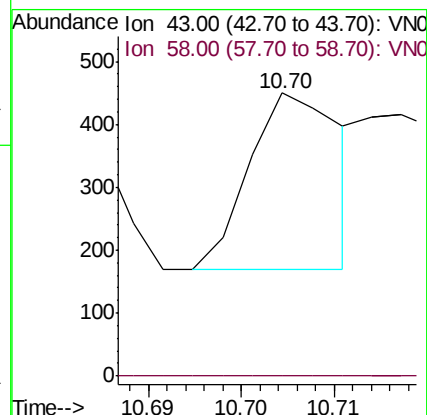
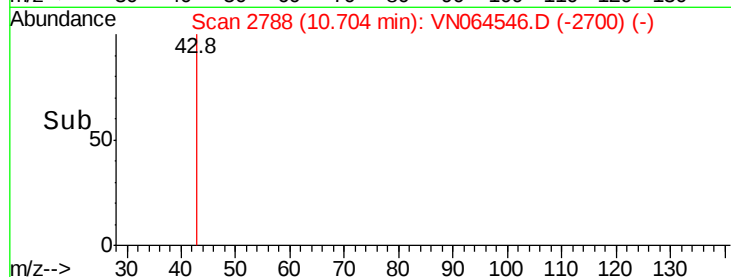
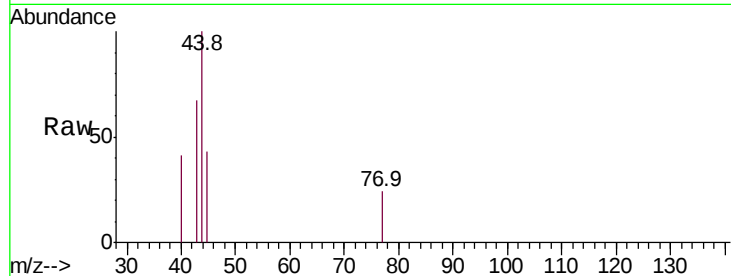
VN1111WBL01

Tot Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

58 0.0 24.7 74.1#



#62

4-Bromofluorobenzene

Concen: 47.676 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

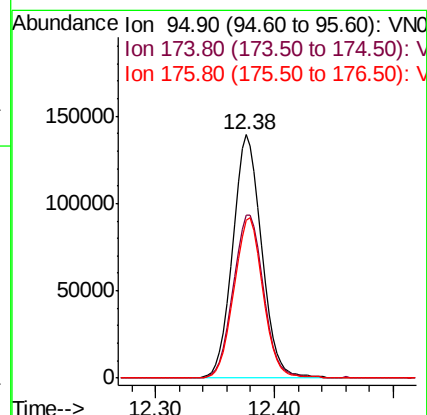
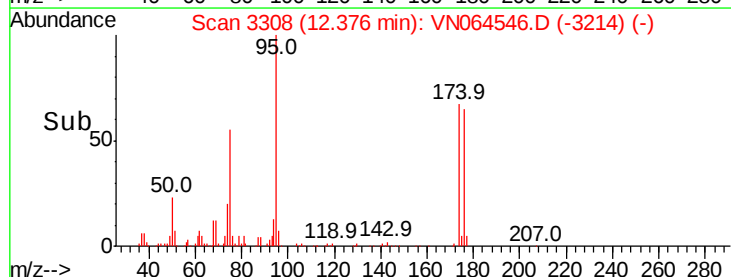
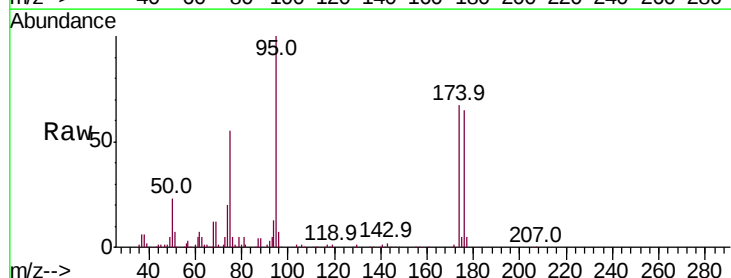
Tgt Ion: 95 Resp: 234841

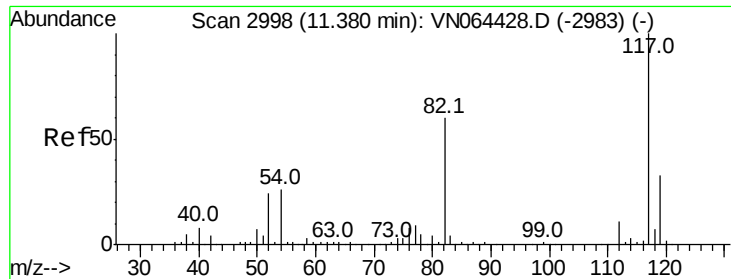
Ion Ratio Lower Upper

95 100

174 70.3 0.0 132.6

176 66.3 0.0 129.2

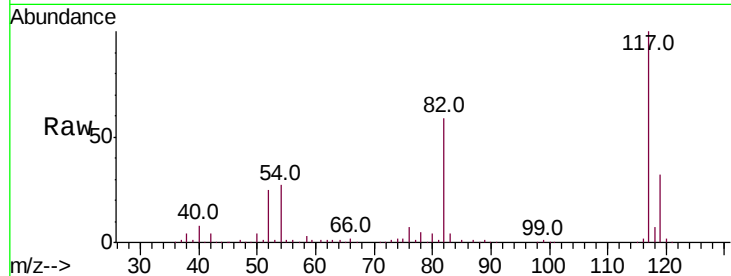




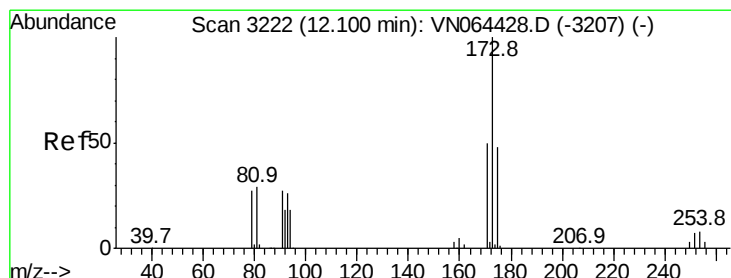
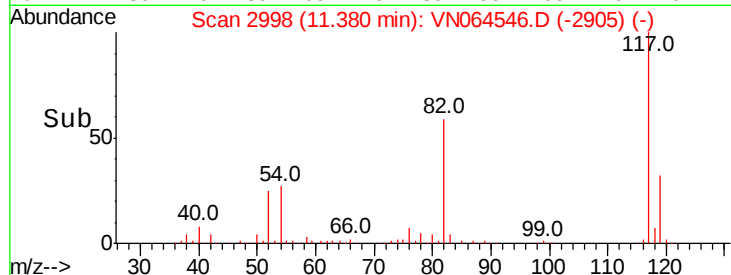
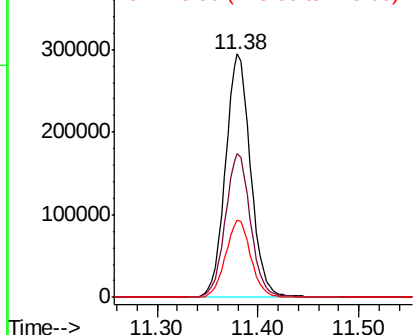
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064546.D
Acq: 11 Nov 2020 11:22

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Tot Ion:117 Resp: 511966
Ion Ratio Lower Upper
117 100
82 59.1 48.1 72.1
119 31.6 26.2 39.4

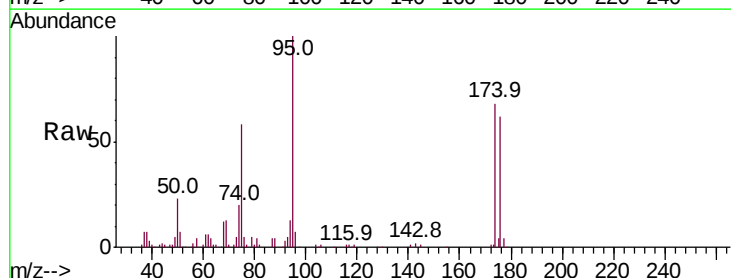


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

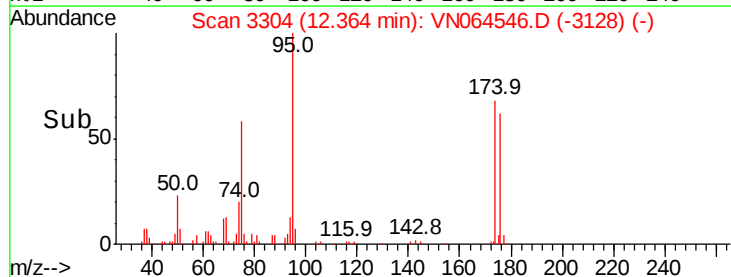
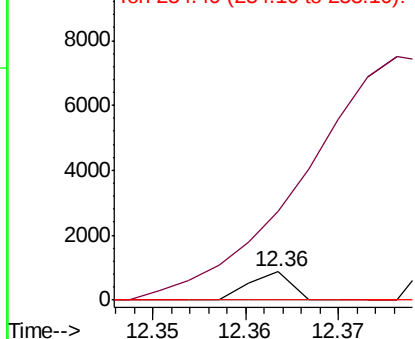


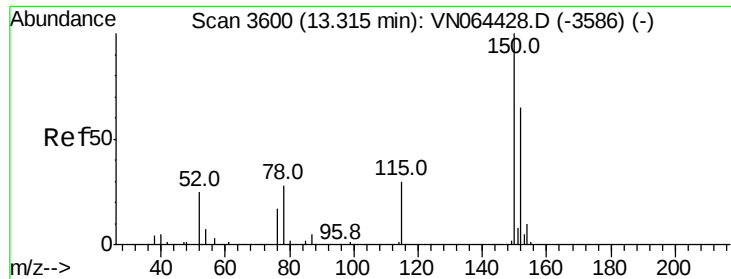
#71
Bromoform
Concen: 1.359 ug/l
RT: 12.36 min Scan# 3304
Delta R.T. 0.26 min
Lab File: VN064546.D
Acq: 11 Nov 2020 11:22

Tgt Ion:173 Resp: 269
Ion Ratio Lower Upper
173 100
175 0.0 23.7 71.1#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBL01

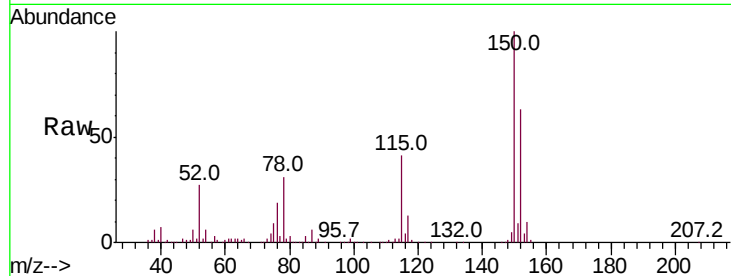
Tot Ion:152 Resp: 184284

Ion Ratio Lower Upper

152 100

115 65.6 32.0 96.0

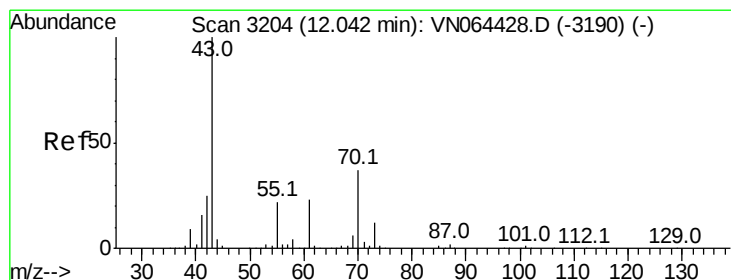
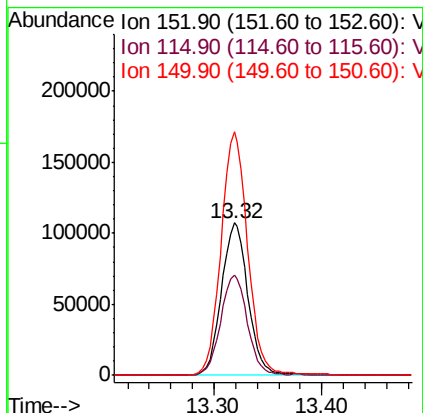
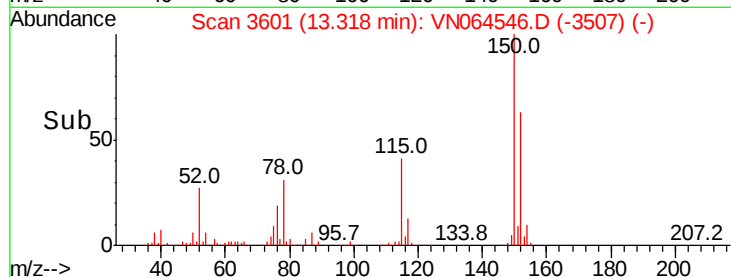
150 159.5 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 1.300 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Tgt Ion: 43 Resp: 622

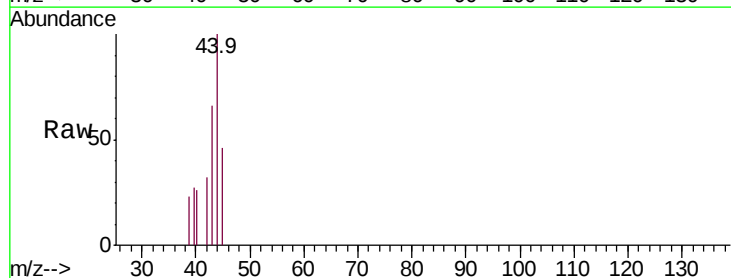
Ion Ratio Lower Upper

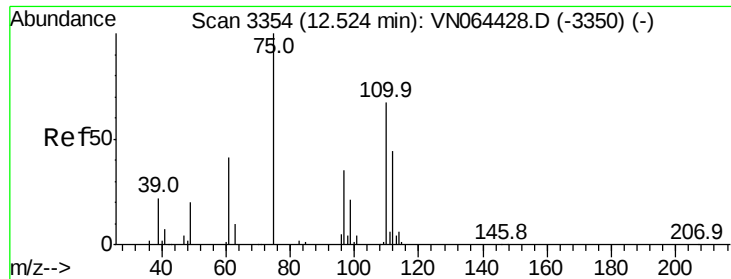
43 100

70 0.0 29.6 44.4#

55 0.0 18.4 27.6#

61 0.0 17.8 26.6#

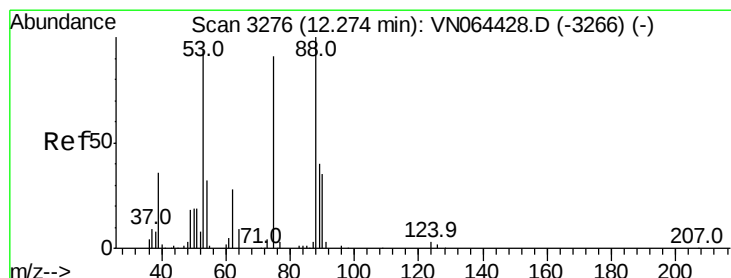
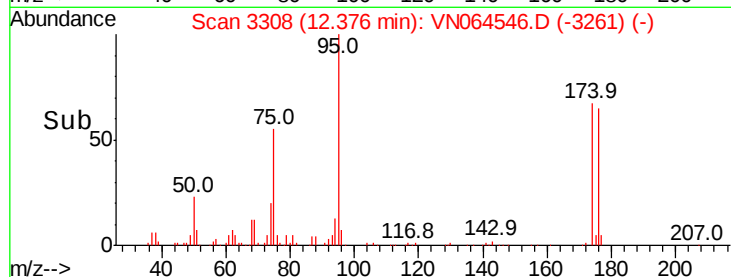
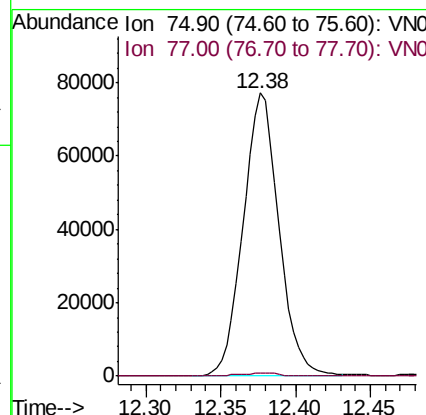
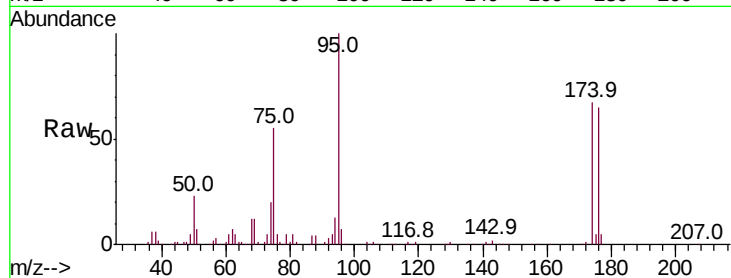




#76
 1,2,3-Trichloropropane
 Concen: 28.825 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN064546.D
 Acq: 11 Nov 2020 11:22

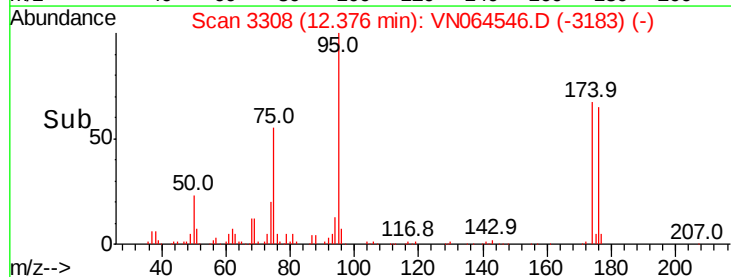
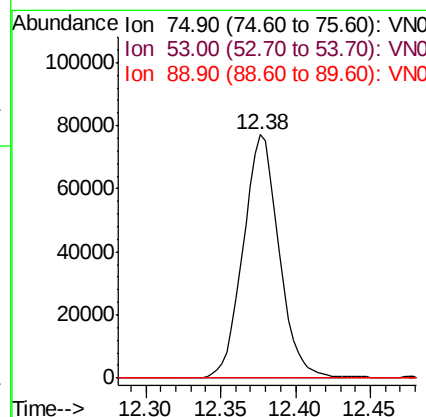
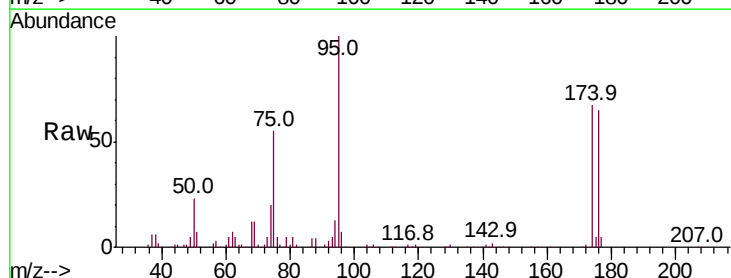
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBL01

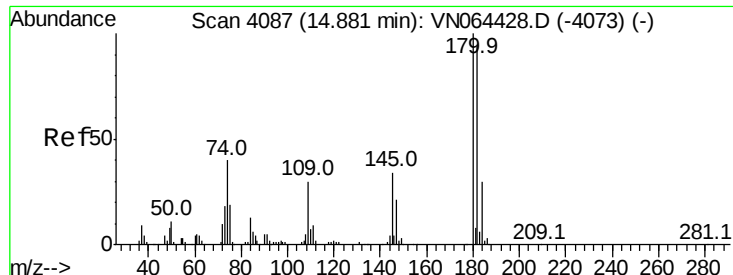
Tot Ion: 75 Resp: 128705
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.483 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064546.D
 Acq: 11 Nov 2020 11:22

Tgt Ion: 75 Resp: 128705
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.0 126.0#
 89 0.0 36.3 54.5#

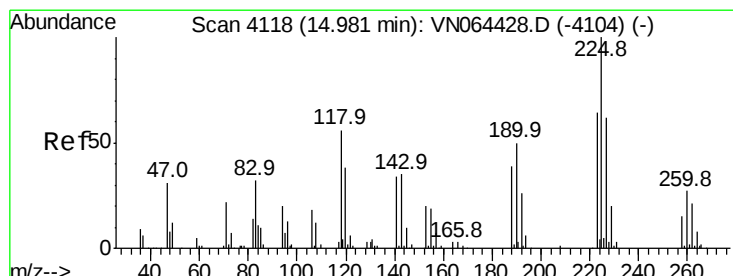
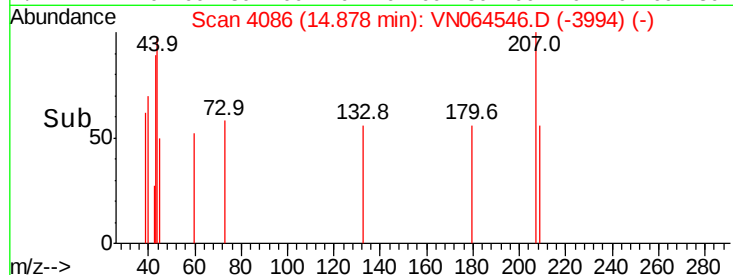
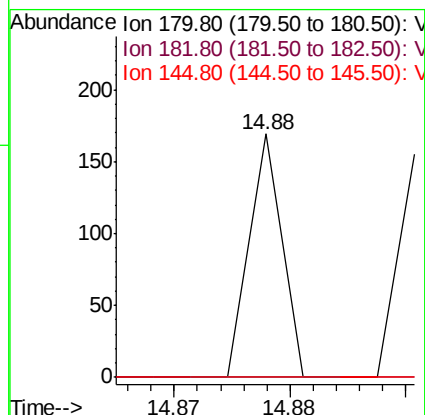
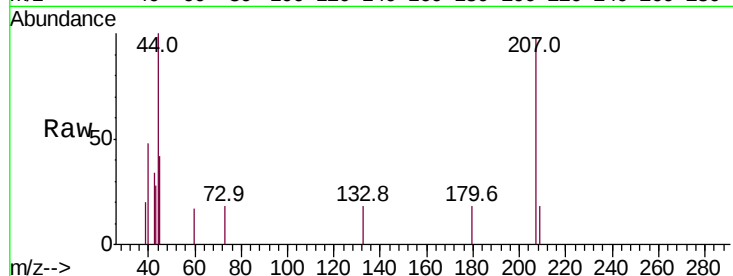




#93
1,2,4-Trichlorobenzene
Concen: 2.675 ug/l
RT: 14.88 min Scan# 4086
Delta R.T. -0.00 min
Lab File: VN064546.D
Acq: 11 Nov 2020 11:22

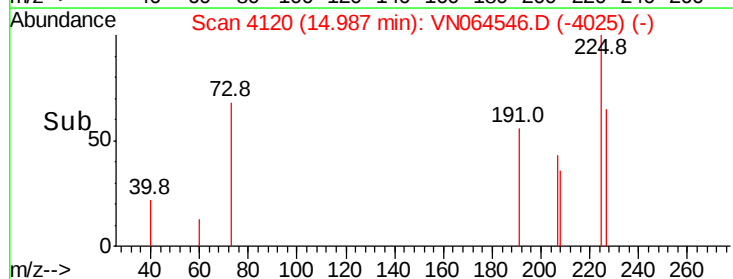
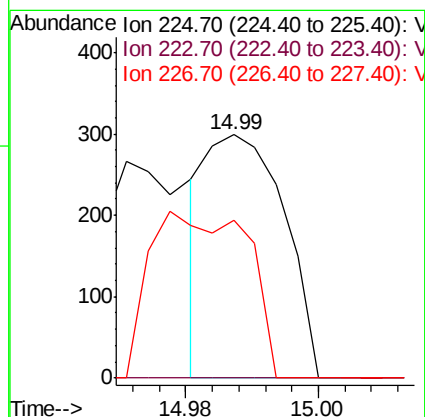
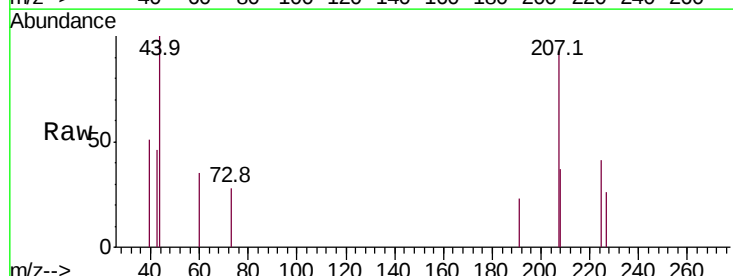
Instrument :
MSVOA_N
ClientSampled :
VN1111WBL01

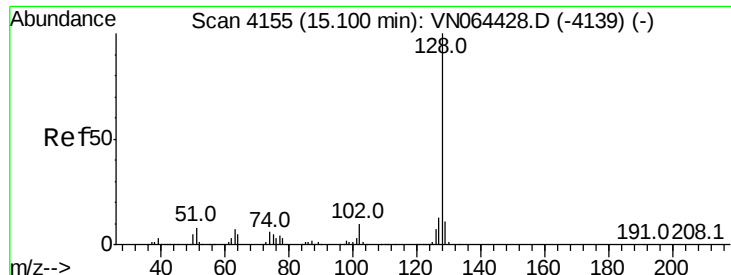
Tot Ion:180 Resp: 33
Ion Ratio Lower Upper
180 100
182 0.0 47.3 142.0#
145 0.0 16.7 50.1#



#94
Hexachlorobutadiene
Concen: 0.201 ug/l
RT: 14.99 min Scan# 4120
Delta R.T. 0.01 min
Lab File: VN064546.D
Acq: 11 Nov 2020 11:22

Tgt Ion:225 Resp: 243
Ion Ratio Lower Upper
225 100
223 0.0 31.8 95.4#
227 0.0 31.8 95.4#





#95

Naphthalene

Concen: 3.679 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBL01

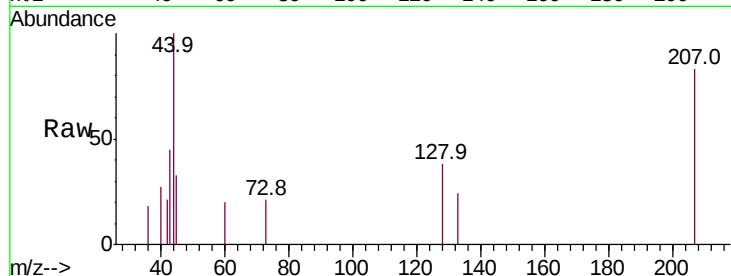
Tot Ion:128 Resp: 607

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

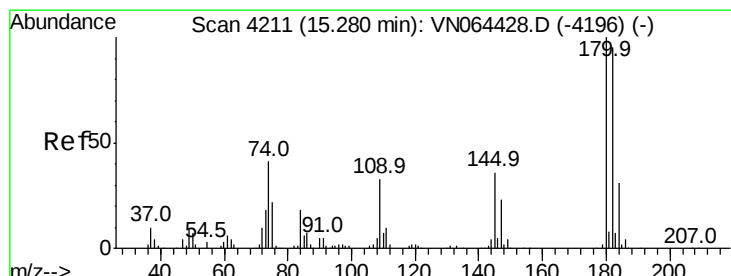
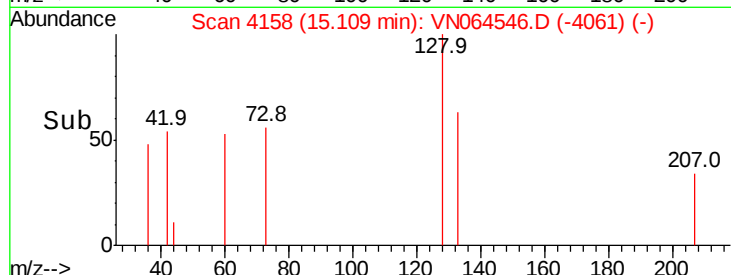
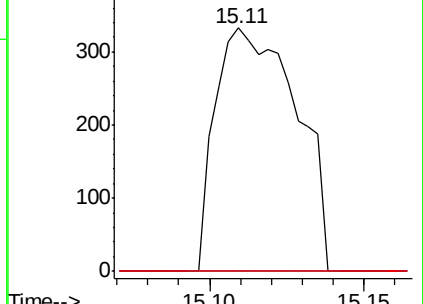
129 0.0 8.8 13.2#



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



#96

1,2,3-Trichlorobenzene

Concen: 2.808 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064546.D

Acq: 11 Nov 2020 11:22

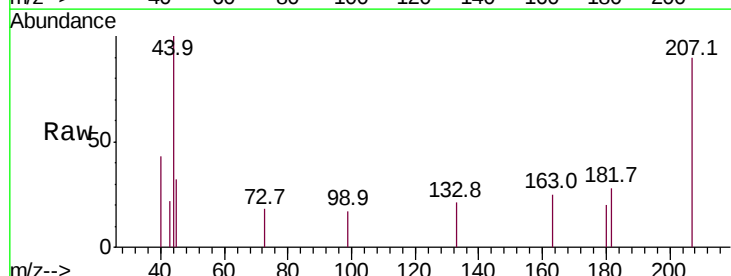
Tgt Ion:180 Resp: 100

Ion Ratio Lower Upper

180 100

182 216.0 47.7 143.1#

145 0.0 18.3 54.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

