

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\
 Data File : VN062590.D
 Acq On : 22 Jul 2020 12:53
 Operator : JC/MD
 Sample : L3371-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200720

Quant Time: Jul 23 07:15:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	172434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	298943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	283823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101186	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	133993	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	7.55	113	99969	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.06	98	386221	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.38	95	130622	45.60	ug/l	0.00
Spiked Amount			Recovery	=	91.20%	

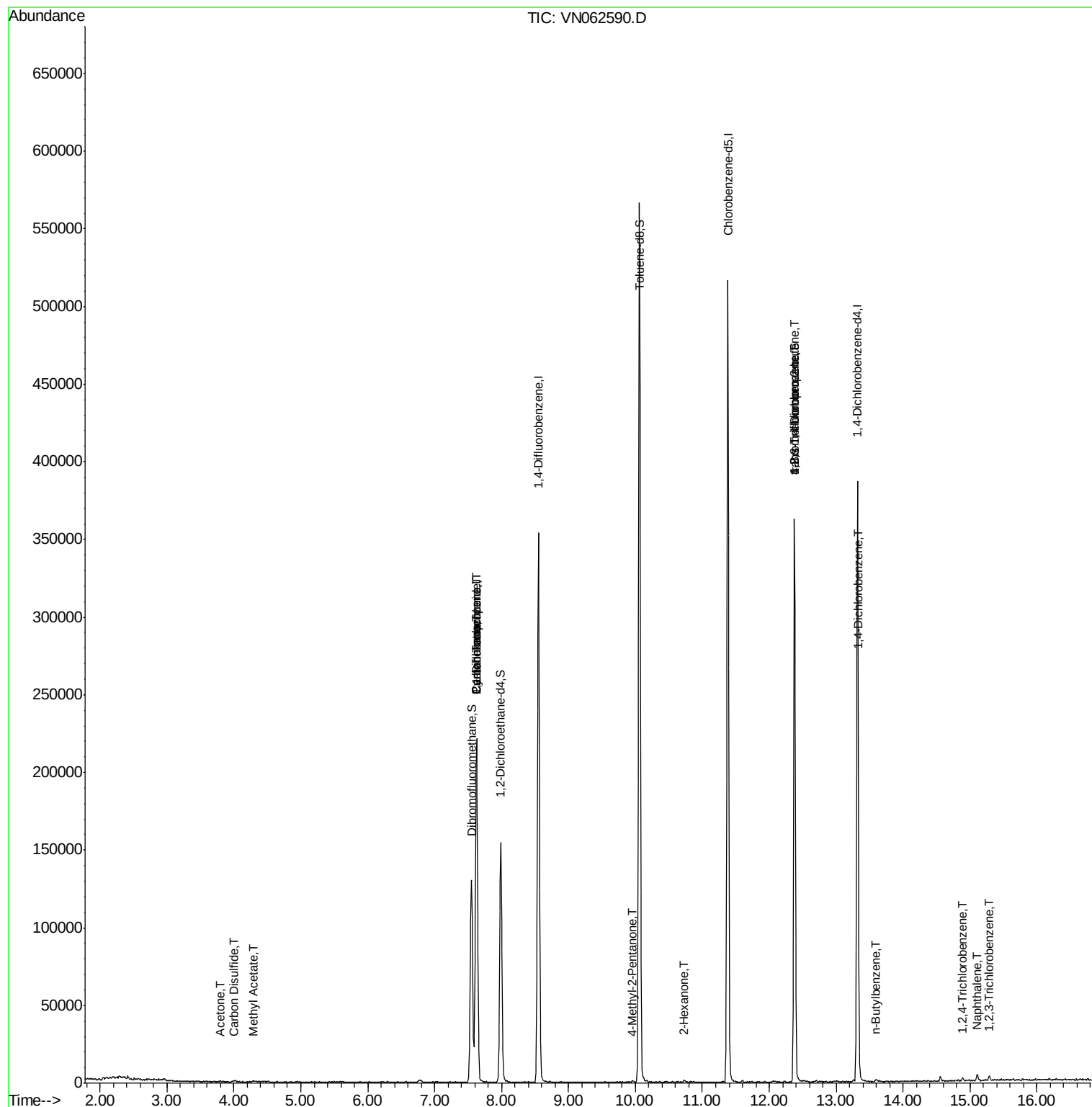
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	737	0.731	ug/l #	44
17) Carbon Disulfide	4.00	76	1535	0.253	ug/l #	75
18) Methyl Acetate	4.29	43	1114	0.437	ug/l #	56
31) Cyclohexane	7.63	56	3896	0.987	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	15085	4.734	ug/l #	50
38) Carbon Tetrachloride	7.63	117	17468	5.703	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	836	0.252	ug/l #	72
59) 2-Hexanone	10.73	43	1099	3.383	ug/l	75
76) 1,2,3-Trichloropropane	12.38	75	70270	27.284	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70270	75.951	ug/l #	12
88) 1,4-Dichlorobenzene	13.34	146	701	0.211	ug/l #	1
89) n-Butylbenzene	13.59	91	1566	0.287	ug/l #	77
93) 1,2,4-Trichlorobenzene	14.89	180	833	3.564	ug/l #	80
94) Hexachlorobutadiene	14.98	225	191	Below Cal	#	40
95) Naphthalene	15.11	128	4501	4.686	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.29	180	1333	0.877	ug/l	90

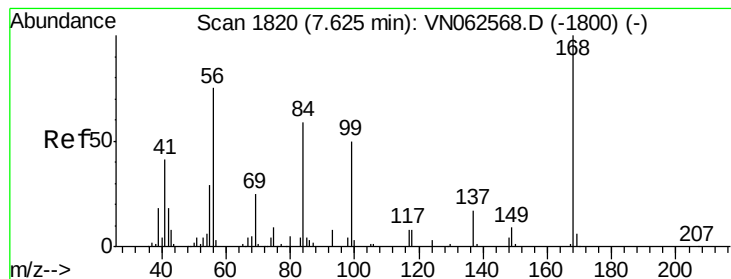
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 23 07:15:55 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

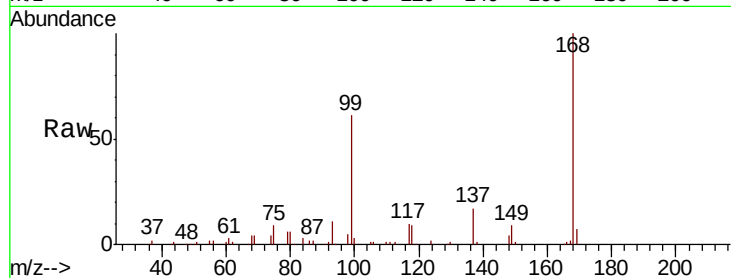
TB-01-200720

Tot Ion:168 Resp: 172434

Ion Ratio Lower Upper

168 100

99 60.7 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): VN062568.D

Ion 98.90 (98.60 to 99.60): VN062568.D

7.63

80000

60000

40000

20000

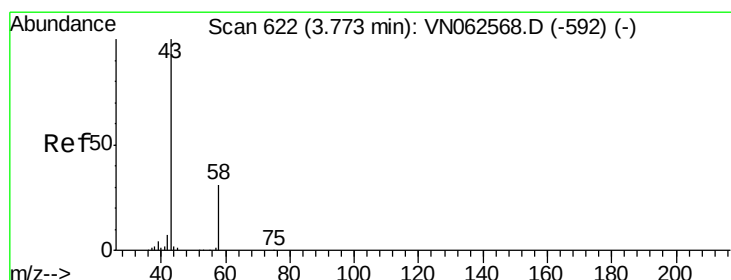
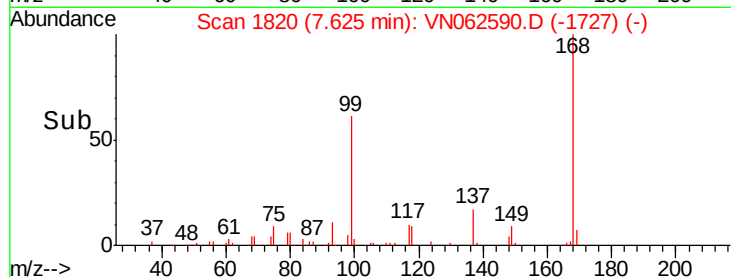
0

7.50

7.60

7.70

Time-->



#16

Acetone

Concen: 0.731 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN062590.D

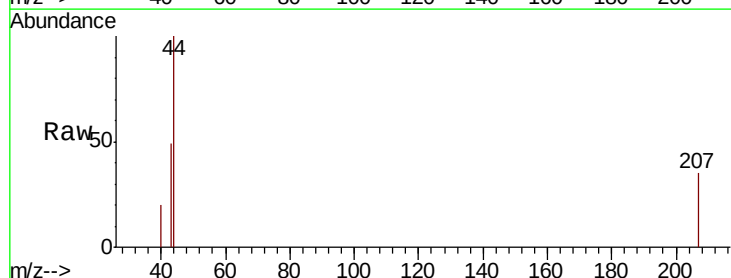
Acq: 22 Jul 2020 12:53

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D

Ion 58.00 (57.70 to 58.70): VN062568.D

3.80

400

300

200

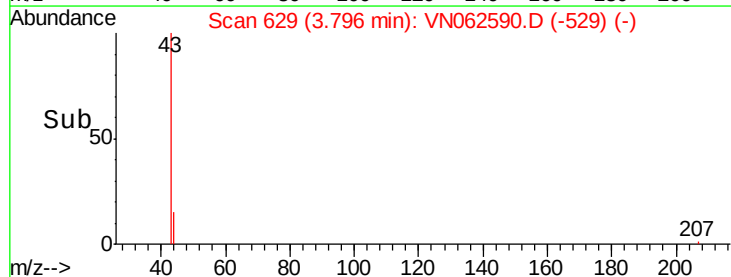
100

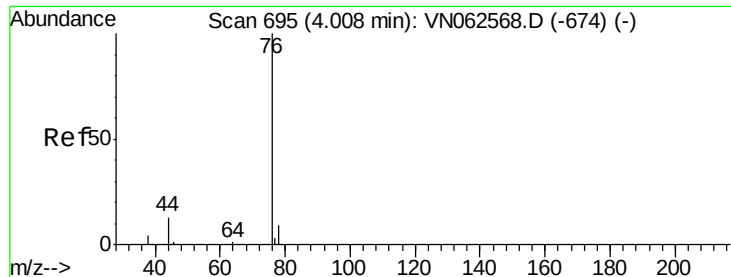
0

3.75

3.80

Time-->





#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

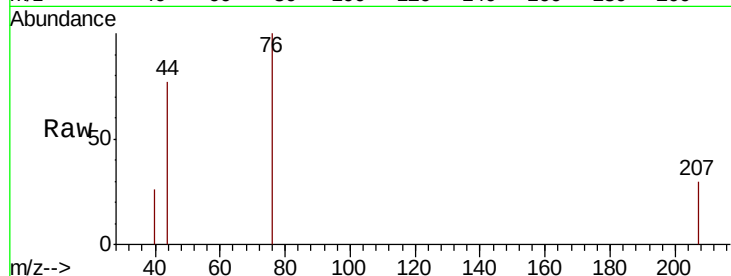
TB-01-200720

Tot Ion: 76 Resp: 1535

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.00

800

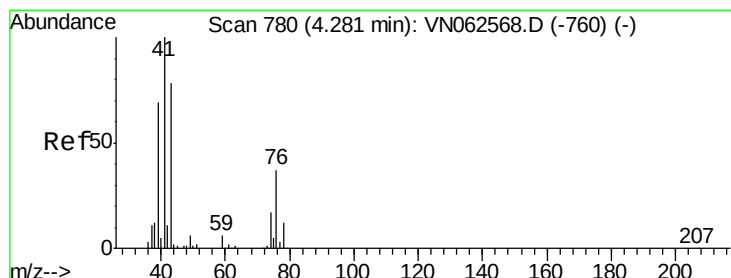
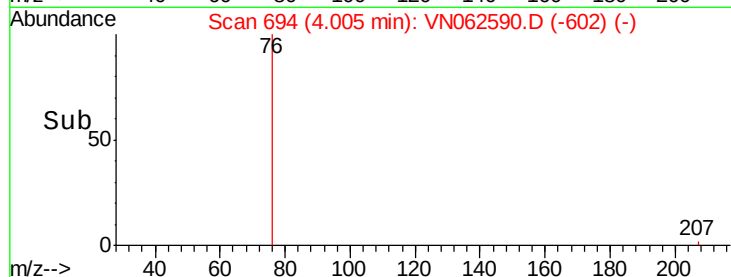
600

400

200

0

Time--> 3.95 4.00 4.05



#18

Methyl Acetate

Concen: 0.437 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

Lab File: VN062590.D

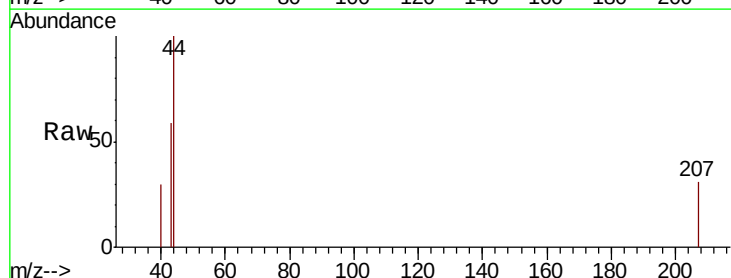
Acq: 22 Jul 2020 12:53

Tgt Ion: 43 Resp: 1114

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

400

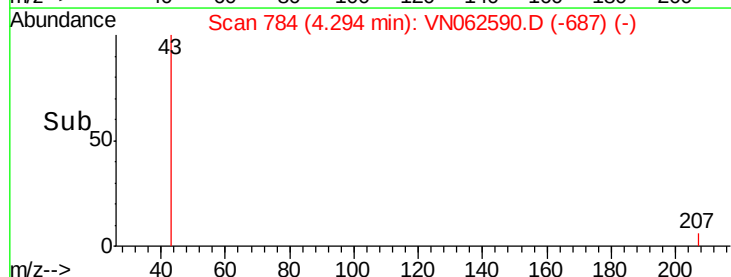
300

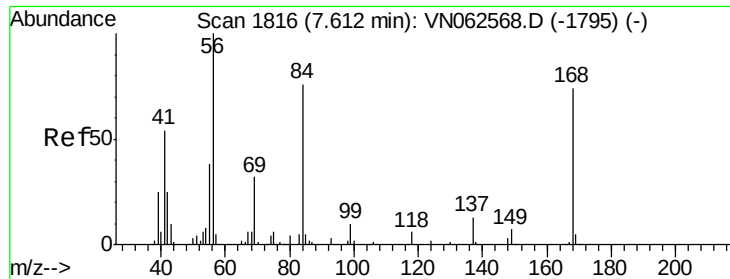
200

100

0

Time--> 4.25 4.30 4.35

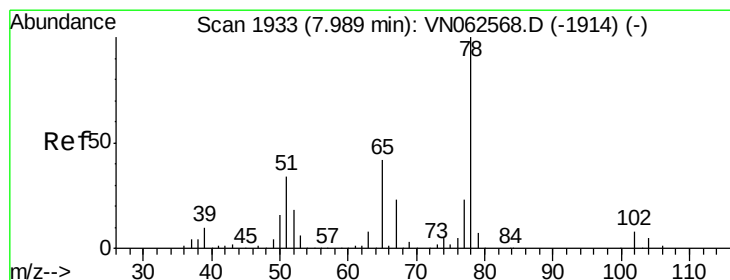
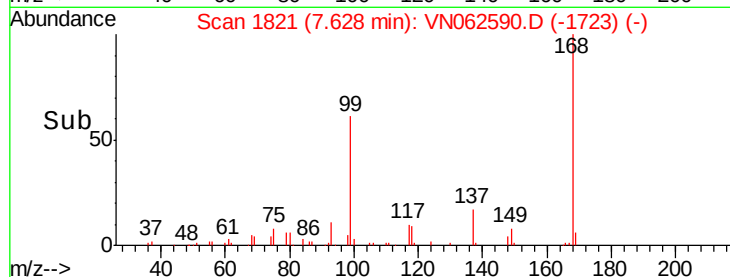
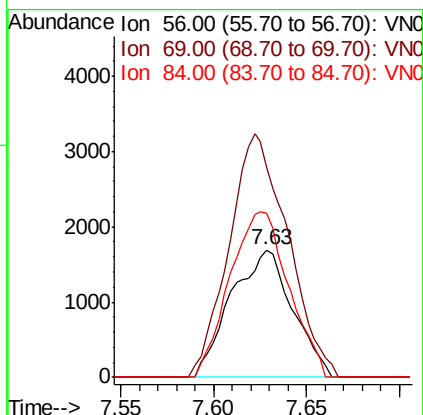
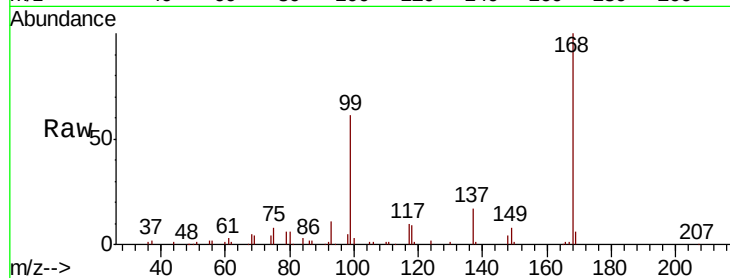




#31
Cyclohexane
Concen: 0.987 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.02 min
Lab File: VN062590.D
Acq: 22 Jul 2020 12:53

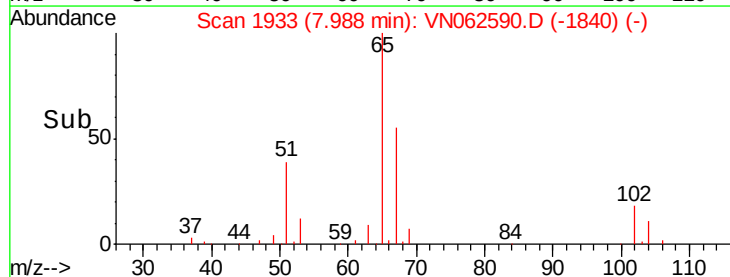
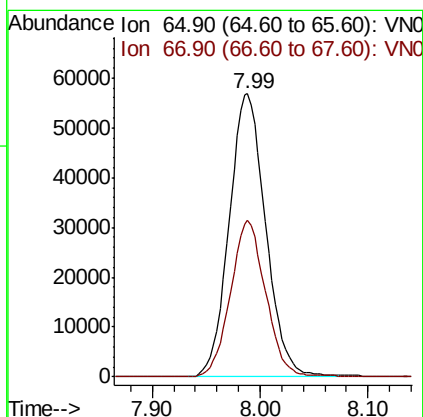
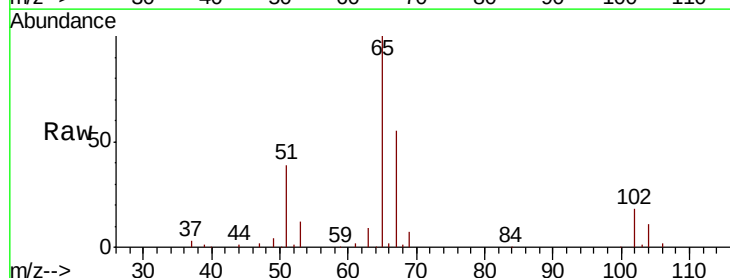
Instrument :
MSVOA_N
ClientSampleId :
TB-01-200720

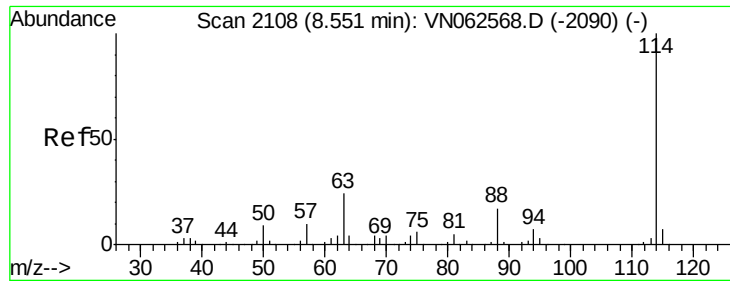
Tot Ion: 56 Resp: 3896
Ion Ratio Lower Upper
56 100
69 165.2 25.3 37.9#
84 128.8 61.0 91.4#



#33
1,2-Dichloroethane-d4
Concen: 50.022 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062590.D
Acq: 22 Jul 2020 12:53

Tgt Ion: 65 Resp: 133993
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0

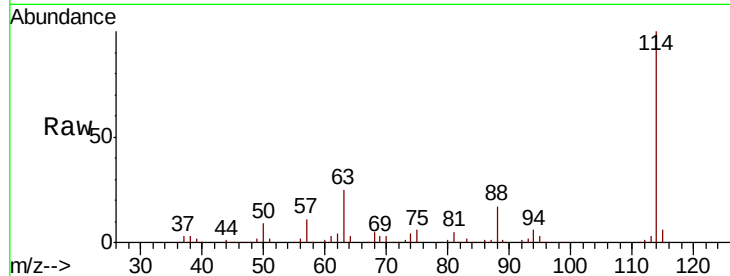




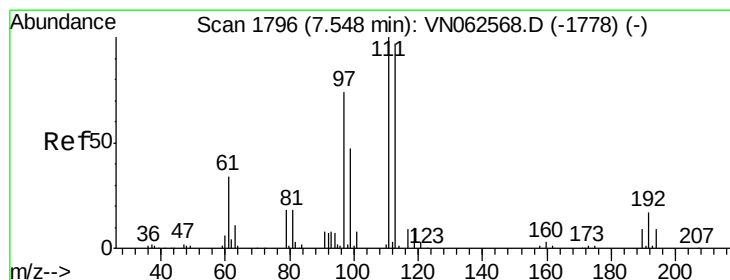
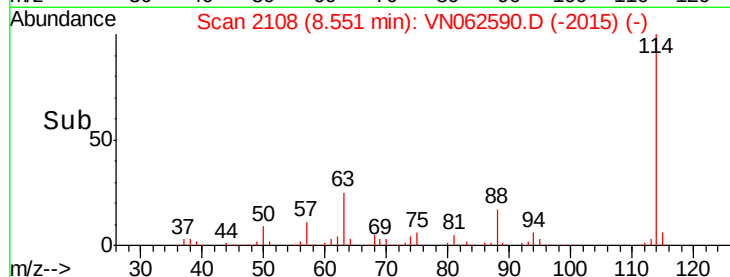
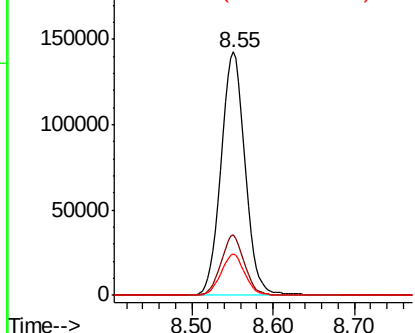
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200720

Tot Ion:114 Resp: 298943
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 48.4
 88 16.8 0.0 33.8

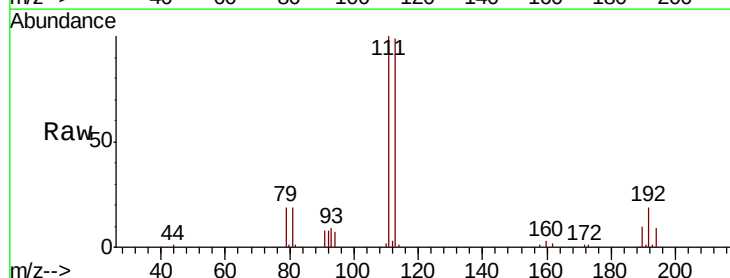


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

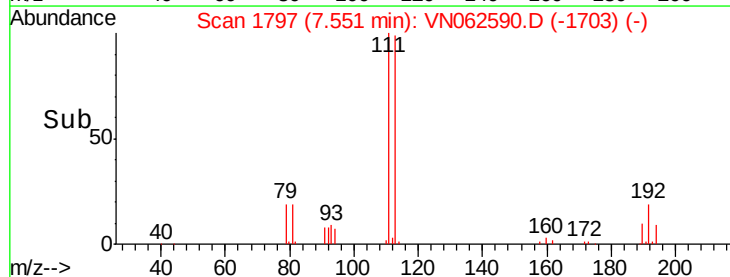
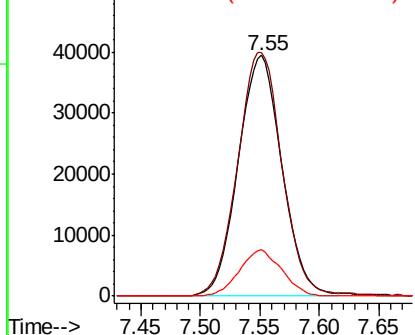


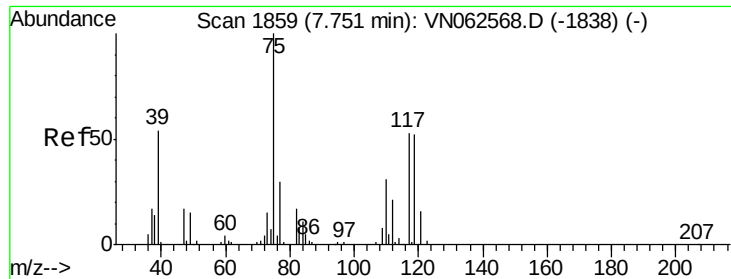
#35
 Dibromofluoromethane
 Concen: 50.910 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

Tgt Ion:113 Resp: 99969
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.7 124.1
 192 18.7 14.8 22.2



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

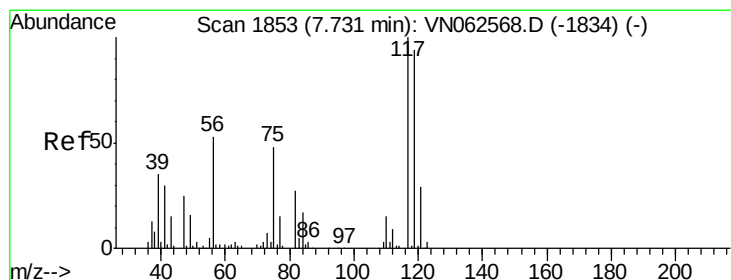
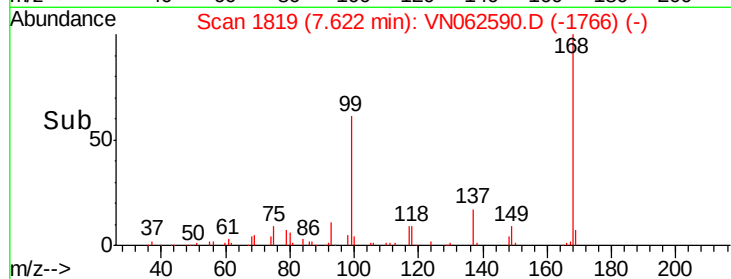
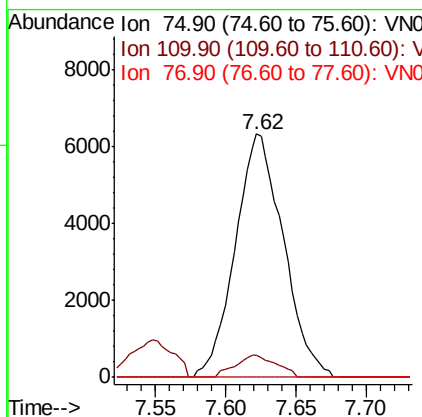
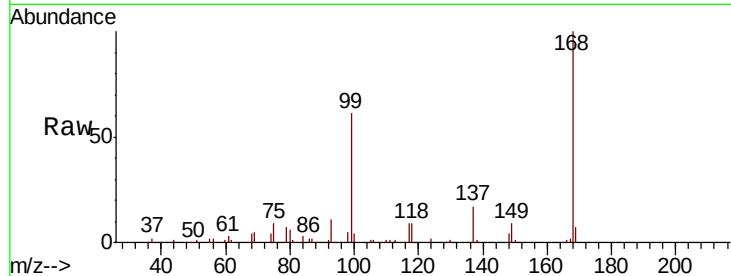




#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

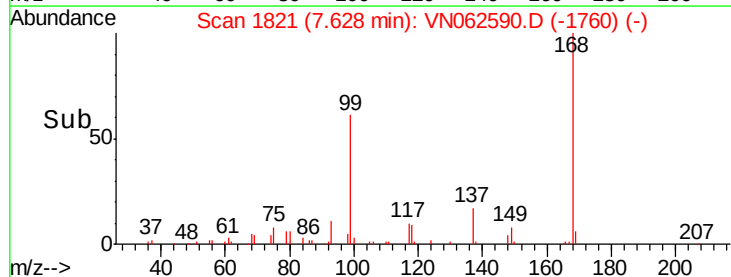
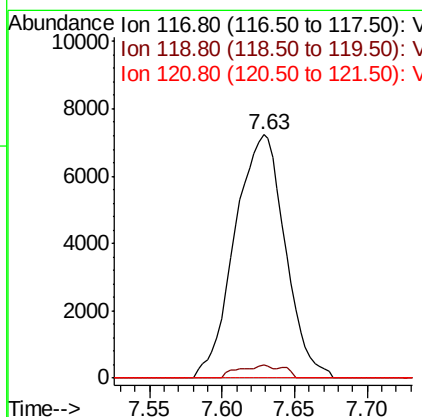
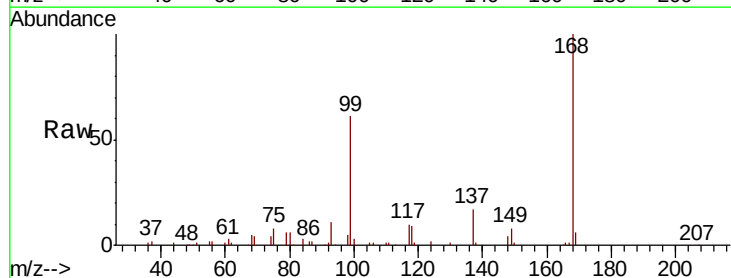
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200720

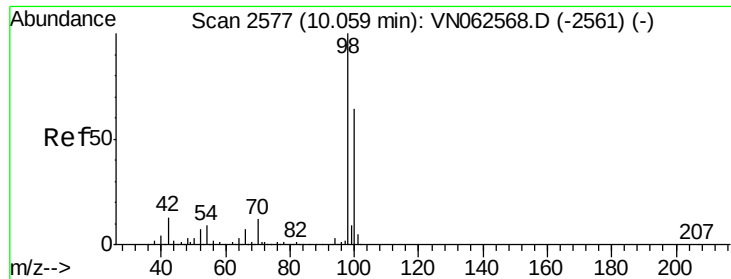
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.703 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	74.8	112.2#
121	0.0	23.0	34.6#





#50

Toluene-d8

Concen: 49.296 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

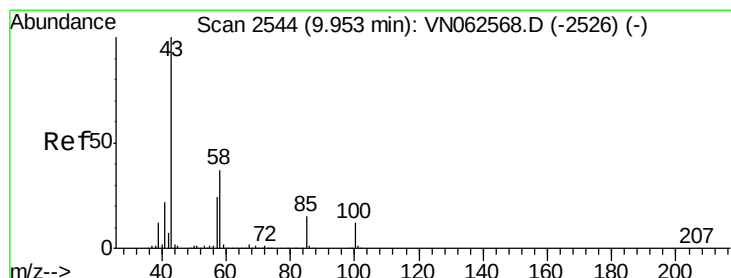
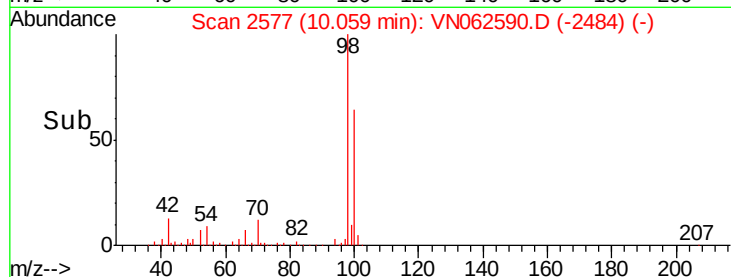
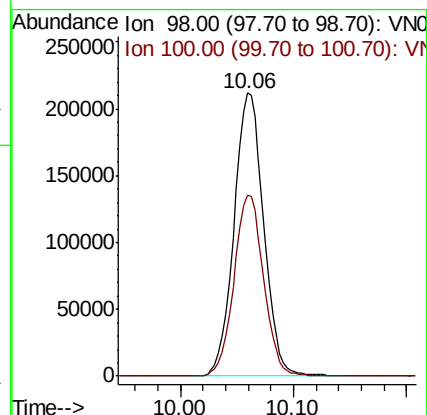
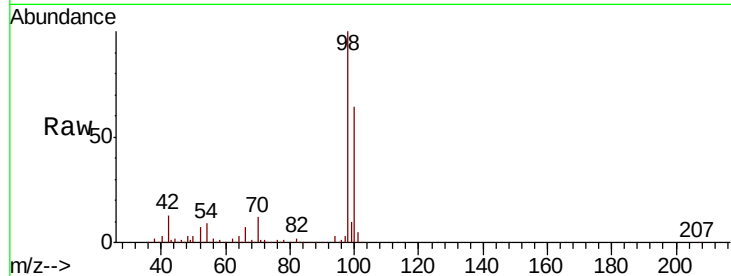
TB-01-200720

Tot Ion: 98 Resp: 386221

Ion Ratio Lower Upper

98 100

100 64.0 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062590.D

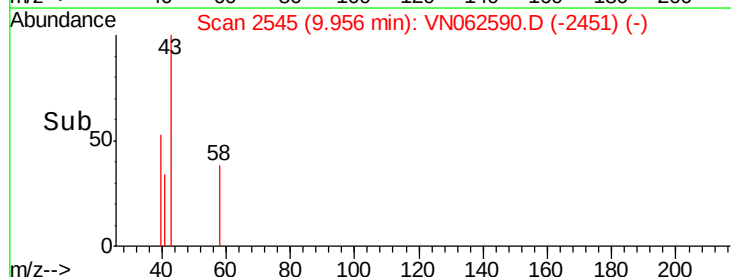
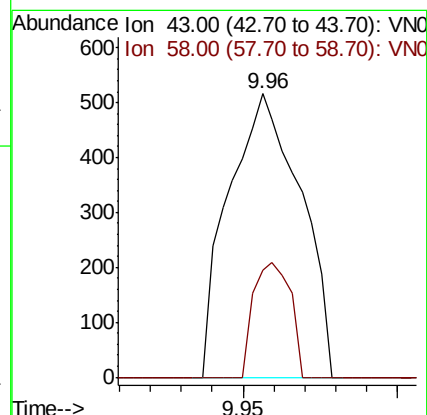
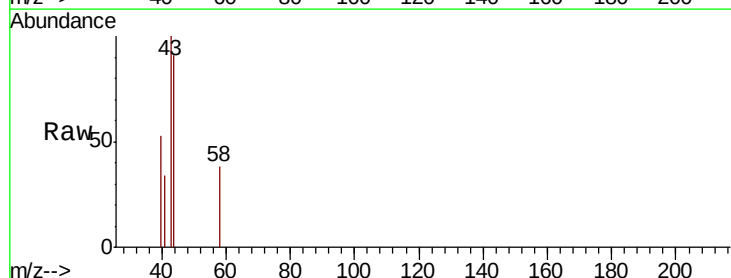
Acq: 22 Jul 2020 12:53

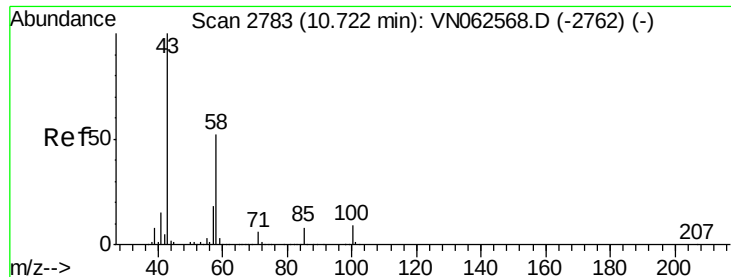
Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

58 20.6 29.8 44.6#





#59

2-Hexanone

Concen: 3.383 ug/l

RT: 10.73 min Scan# 2786

Delta R.T. 0.01 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

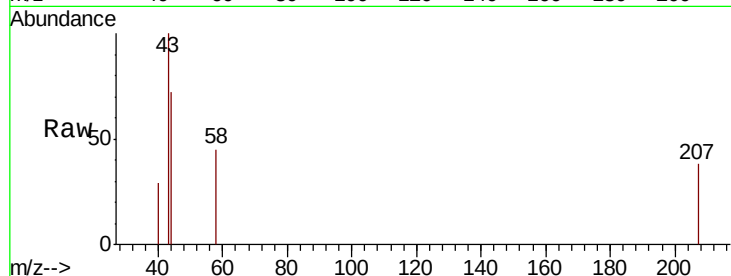
TB-01-200720

Tot Ion: 43 Resp: 1099

Ion Ratio Lower Upper

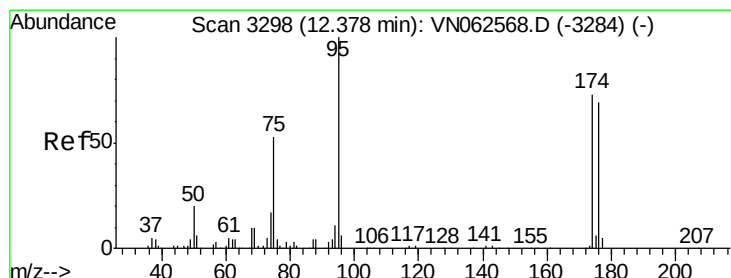
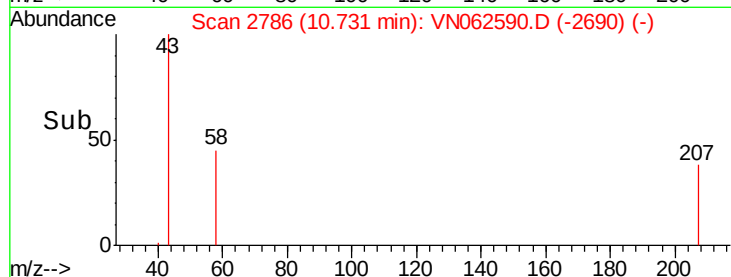
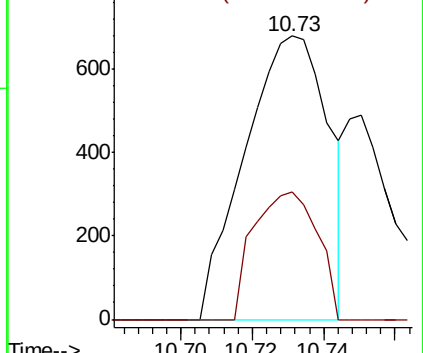
43 100

58 34.4 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 45.597 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

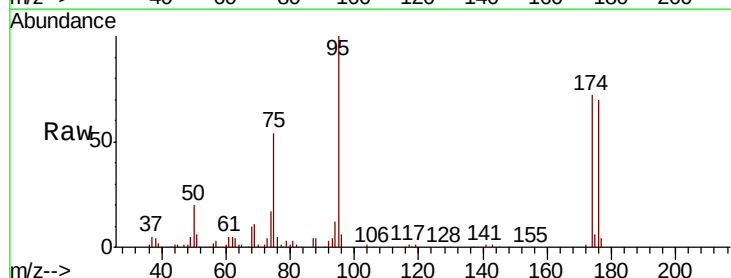
Tgt Ion: 95 Resp: 130622

Ion Ratio Lower Upper

95 100

174 73.6 0.0 144.6

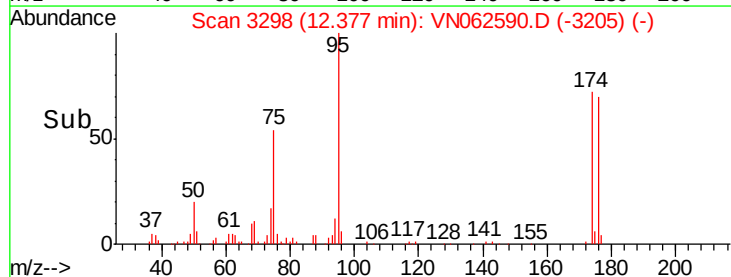
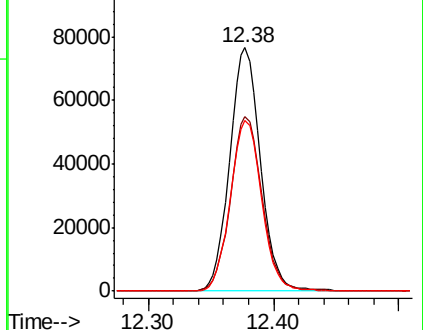
176 71.5 0.0 139.4

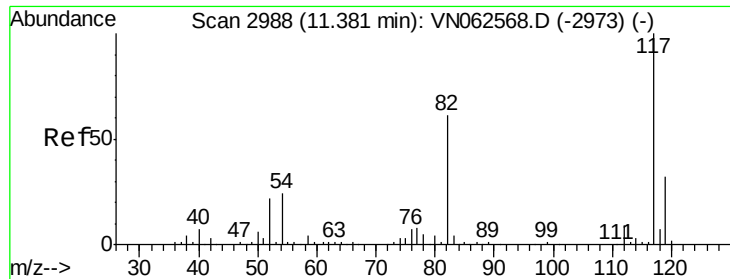


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

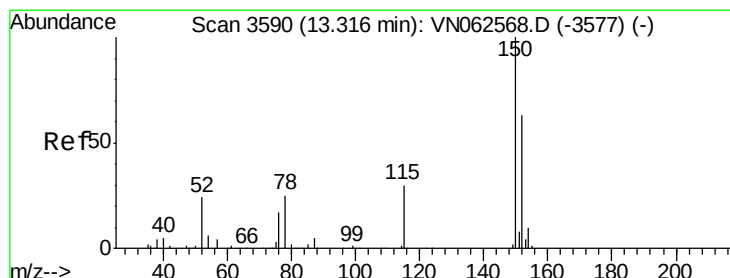
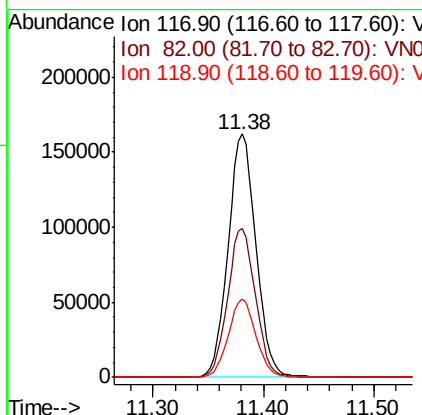
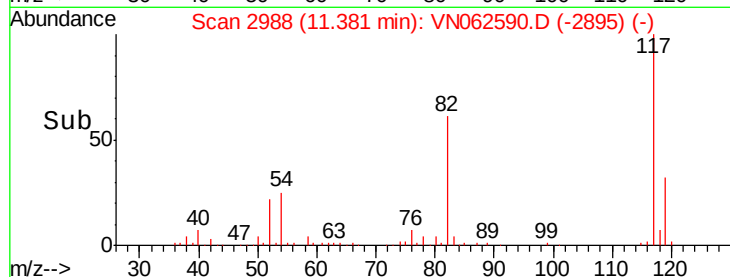
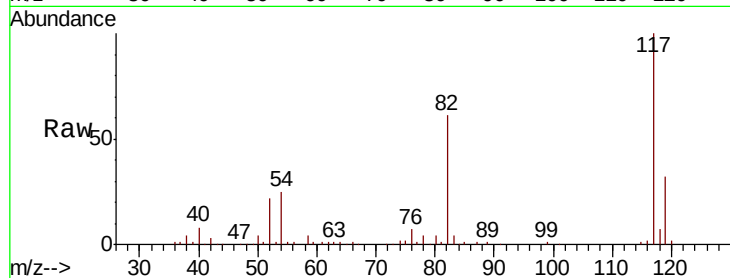




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062590.D
Acq: 22 Jul 2020 12:53

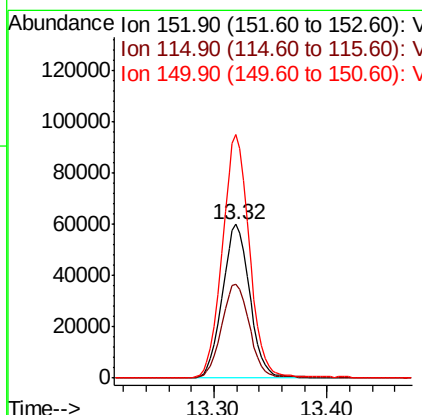
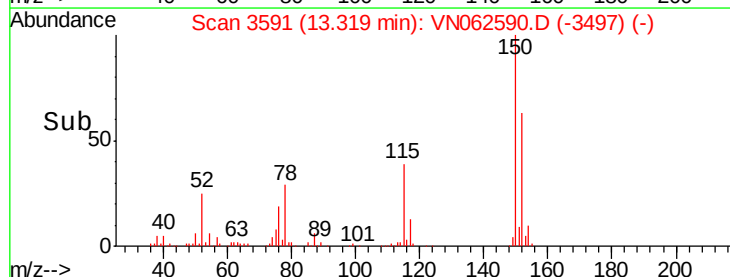
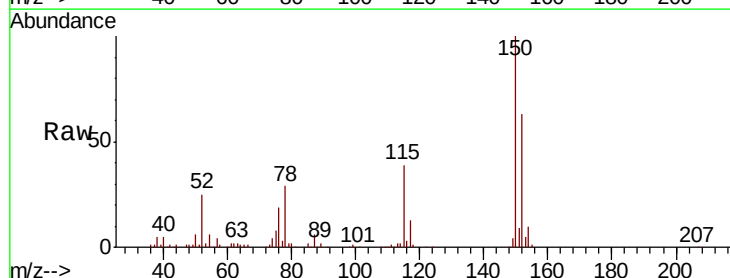
Instrument :
MSVOA_N
ClientSampleId :
TB-01-200720

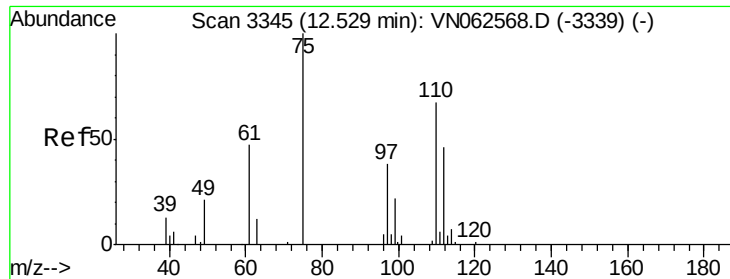
Tot Ion:117 Resp: 283823
Ion Ratio Lower Upper
117 100
82 61.0 49.0 73.6
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062590.D
Acq: 22 Jul 2020 12:53

Tgt Ion:152 Resp: 101186
Ion Ratio Lower Upper
152 100
115 62.5 31.8 95.4
150 155.4 0.0 351.4

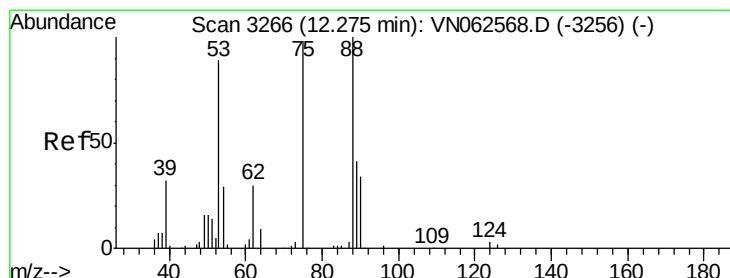
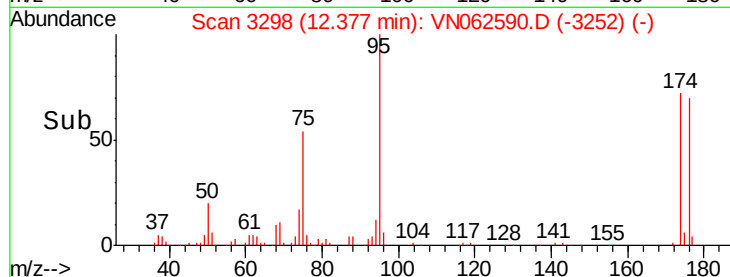
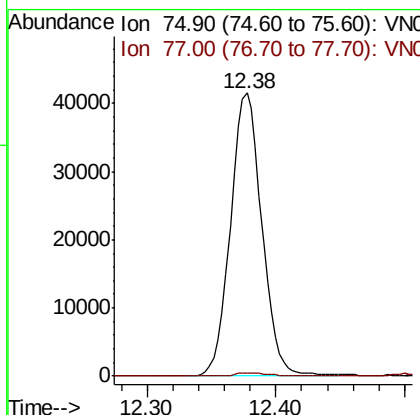
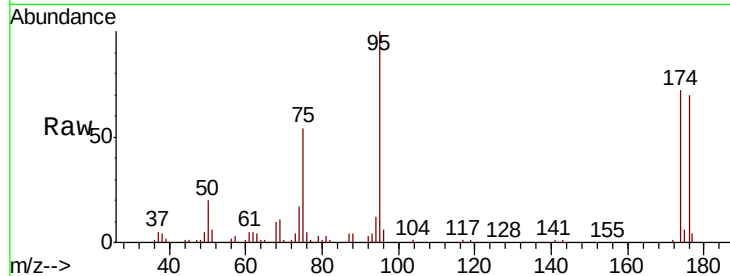




#76
 1,2,3-Trichloropropane
 Concen: 27.284 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

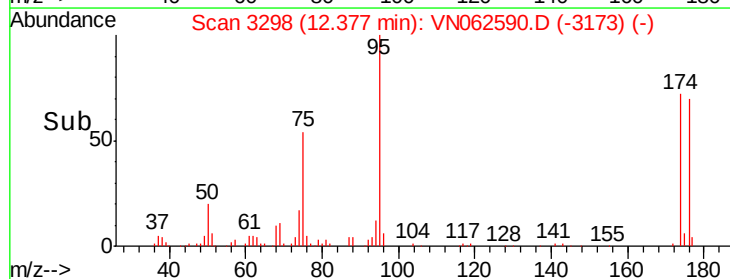
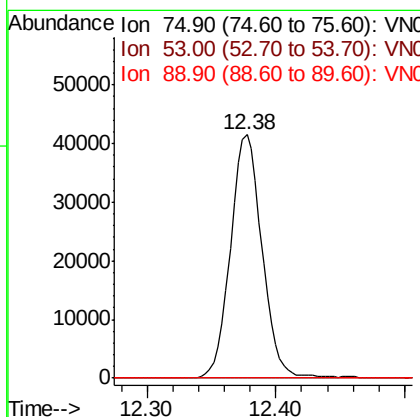
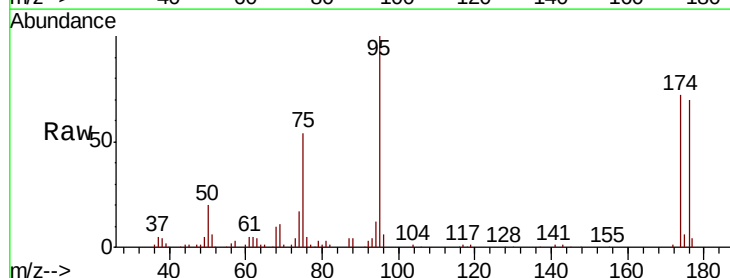
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200720

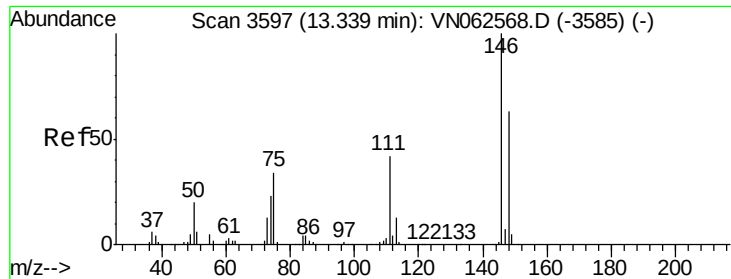
Tot Ion: 75 Resp: 70270
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.951 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

Tgt Ion: 75 Resp: 70270
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#





#88

1,4-Dichlorobenzene

Concen: 0.211 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA_N

ClientSampled :

TB-01-200720

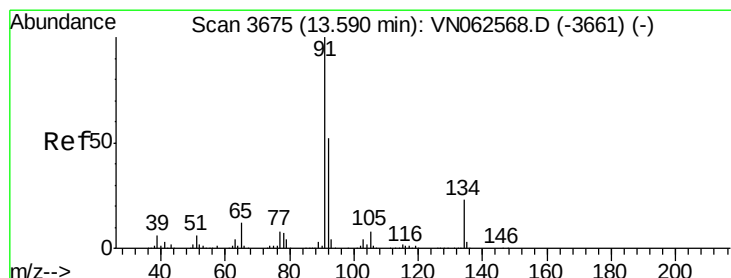
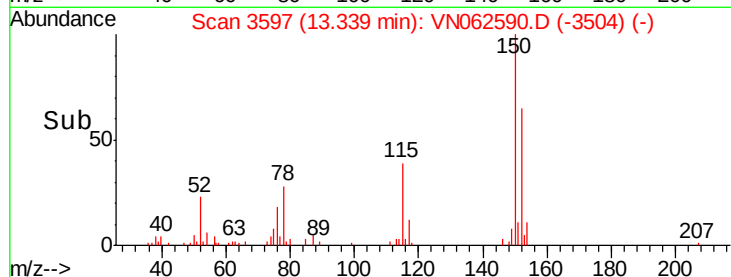
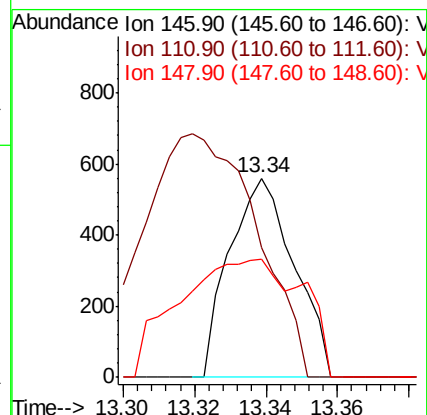
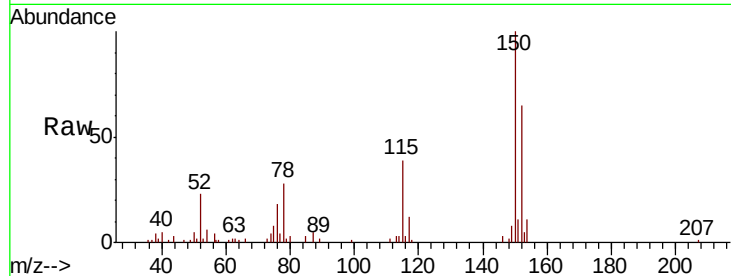
Tot Ion:146 Resp: 701

Ion Ratio Lower Upper

146 100

111 213.3 21.1 63.1#

148 112.6 31.6 94.8#



#89

n-Butylbenzene

Concen: 0.287 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

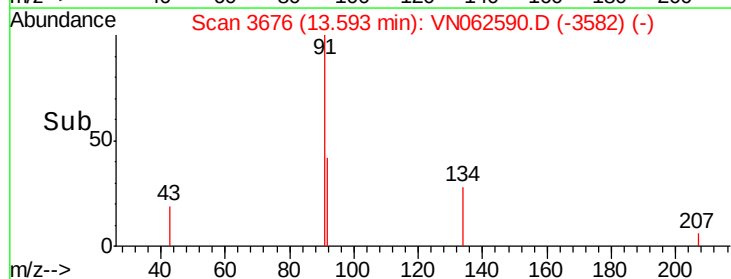
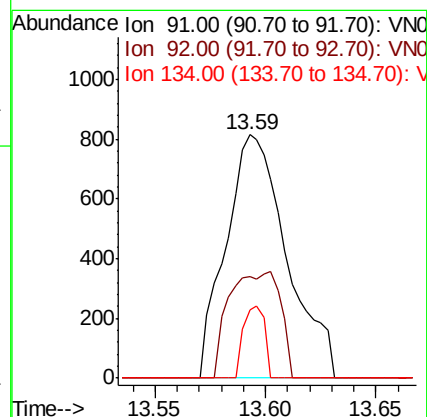
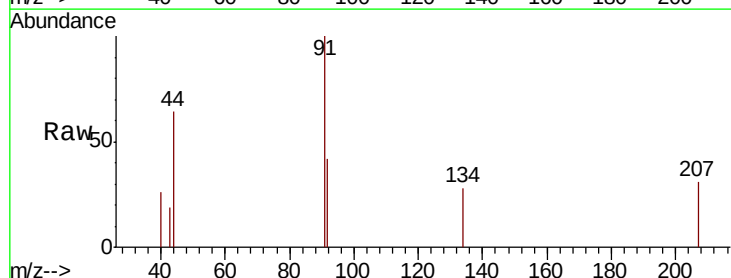
Tgt Ion: 91 Resp: 1566

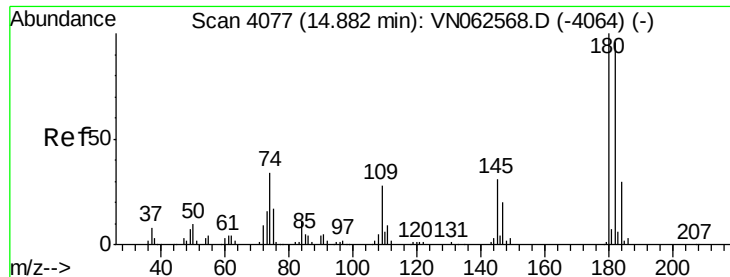
Ion Ratio Lower Upper

91 100

92 36.9 25.8 77.3

134 10.3 11.8 35.3#

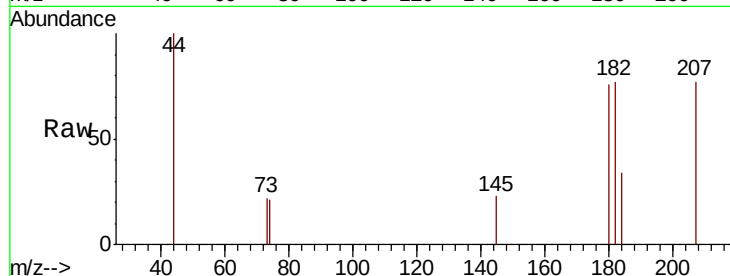




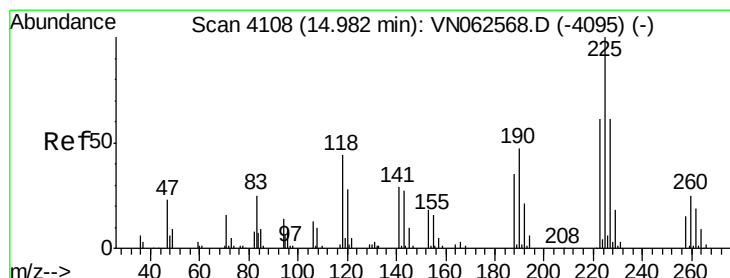
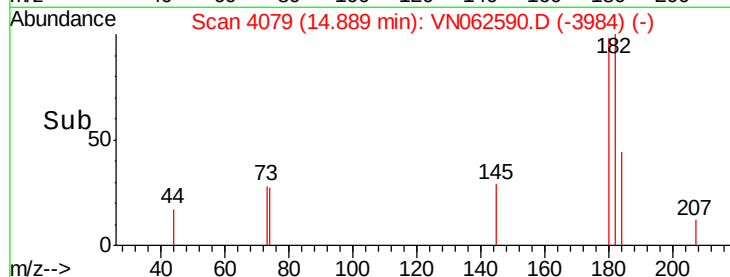
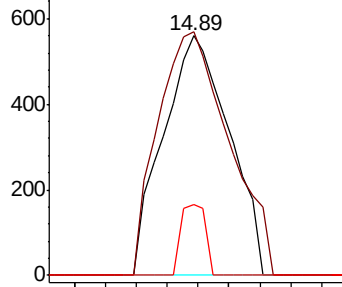
#93
 1,2,4-Trichlorobenzene
 Concen: 3.564 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-200720

Tot Ion:180 Resp: 833
 Ion Ratio Lower Upper
 180 100
 182 109.6 47.8 143.3
 145 11.2 15.3 45.9#

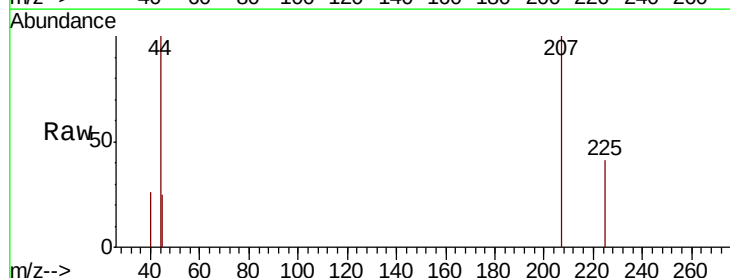


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

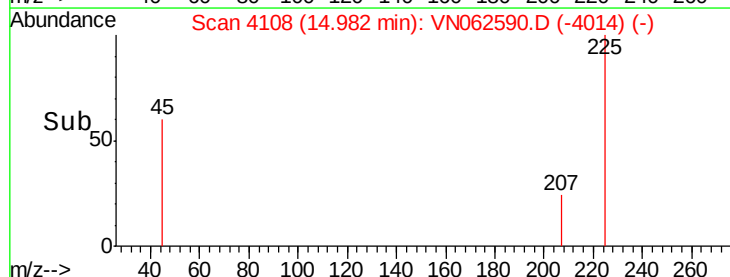
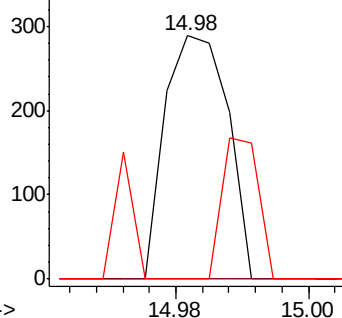


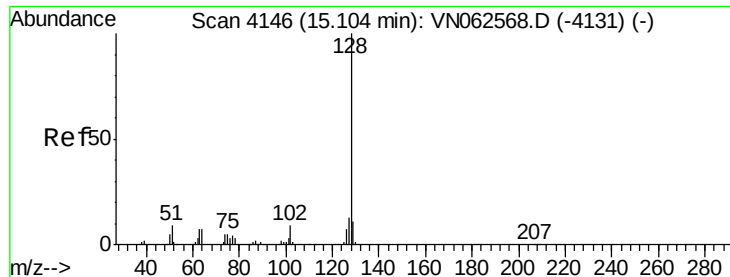
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062590.D
 Acq: 22 Jul 2020 12:53

Tgt Ion:225 Resp: 191
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.0 96.0#
 227 33.0 31.1 93.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.686 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

TB-01-200720

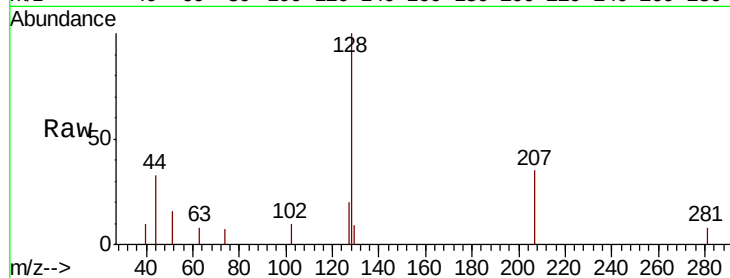
Tot Ion:128 Resp: 4501

Ion Ratio Lower Upper

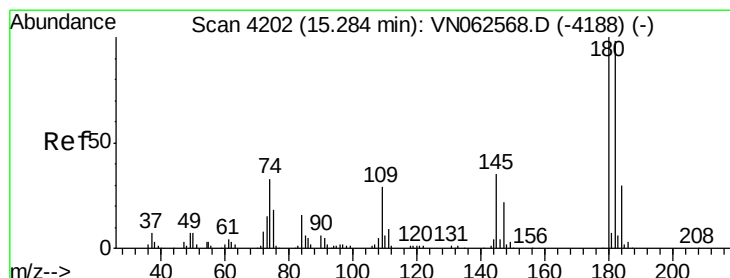
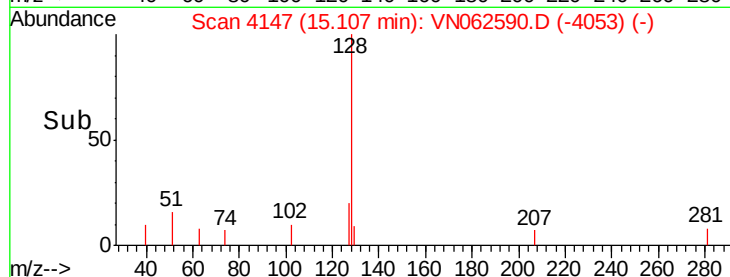
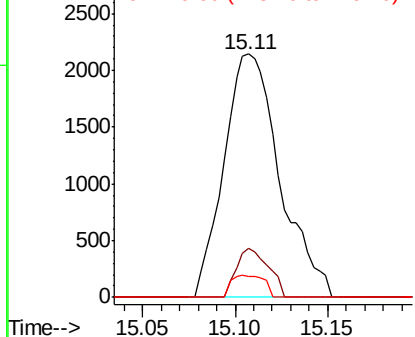
128 100

127 11.4 10.4 15.6

129 5.3 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



#96

1,2,3-Trichlorobenzene

Concen: 0.877 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN062590.D

Acq: 22 Jul 2020 12:53

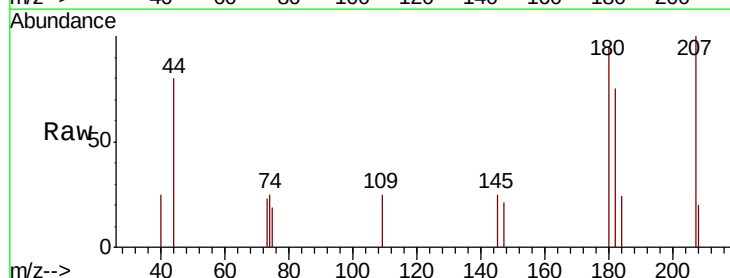
Tgt Ion:180 Resp: 1333

Ion Ratio Lower Upper

180 100

182 90.0 48.1 144.3

145 21.1 16.7 50.1



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

