

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073120\
 Data File : VN062710.D
 Acq On : 1 Aug 2020 1:59
 Operator : JC/MD
 Sample : L3518-38
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-11

Quant Time: Aug 01 06:13:11 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	140688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	249775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	248782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	89211	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	123602	56.55	ug/l	0.00
Spiked Amount			Recovery	=	113.10%	
35) Dibromofluoromethane	7.55	113	84328	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	10.06	98	323969	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.38	95	118521	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	

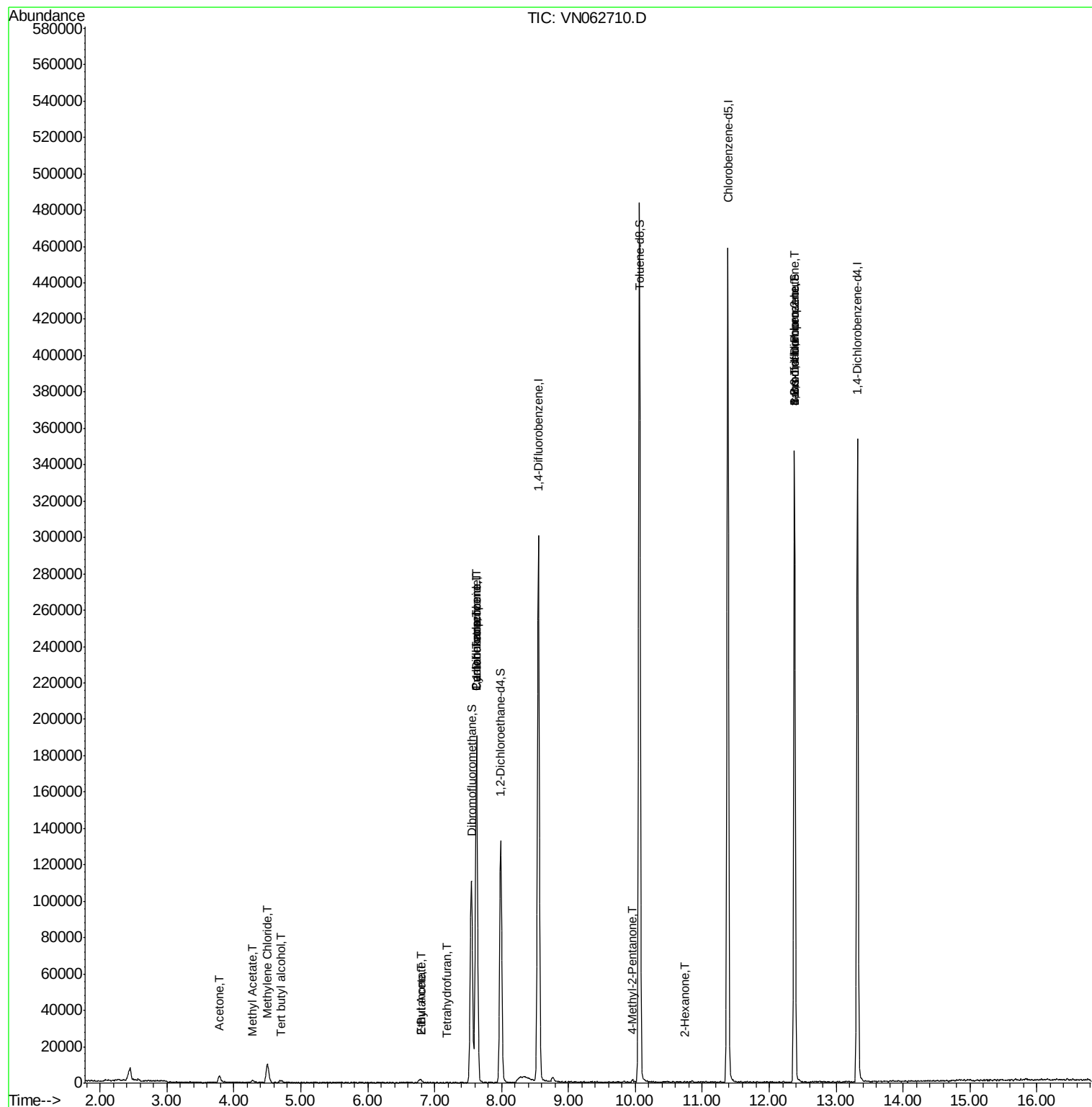
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	167	0.480	ug/l #	73
16) Acetone	3.78	43	7168	8.716	ug/l	96
18) Methyl Acetate	4.28	43	2374	1.140	ug/l #	85
20) Methylene Chloride	4.50	84	7367	3.735	ug/l	95
25) 2-Butanone	6.81	43	933	0.745	ug/l #	52
29) Tetrahydrofuran	7.18	42	330	0.389	ug/l #	38
31) Cyclohexane	7.62	56	3538	1.099	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12491	4.692	ug/l #	51
37) Ethyl Acetate	6.81	43	933	0.325	ug/l #	69
38) Carbon Tetrachloride	7.63	117	15619	6.103	ug/l #	18
51) 4-Methyl-2-Pentanone	9.95	43	1477	0.534	ug/l #	75
59) 2-Hexanone	10.74	43	336	3.114	ug/l #	26
71) Bromoform	12.37	173	466	0.316	ug/l #	29
76) 1,2,3-Trichloropropane	12.38	75	66267	29.183	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66267	81.239	ug/l #	12

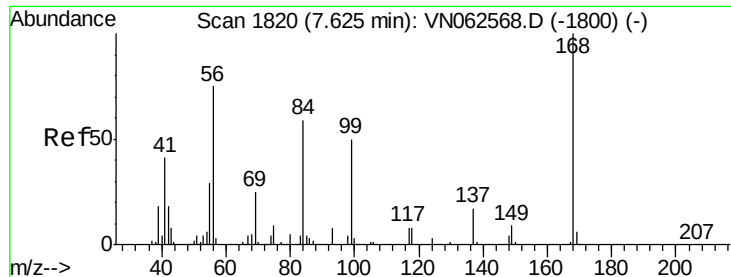
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

Instrument :

MSVOA_N

ClientSampled :

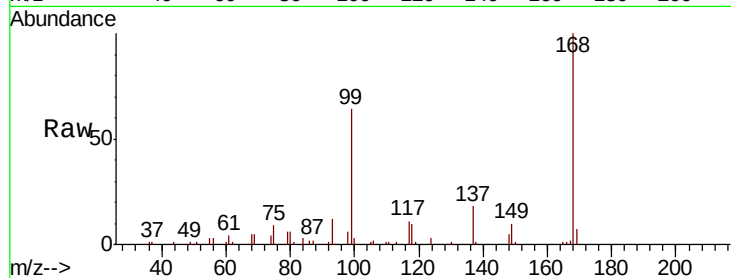
TP-11

Tot Ion:168 Resp: 140688

Ion Ratio Lower Upper

168 100

99 63.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

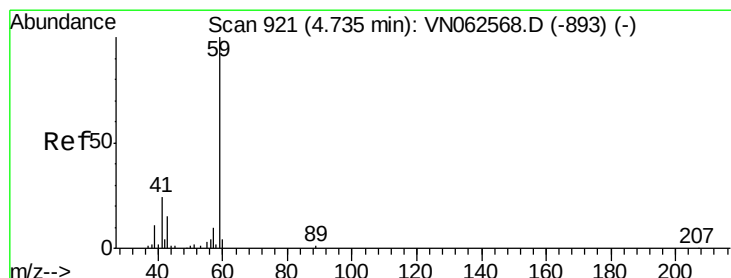
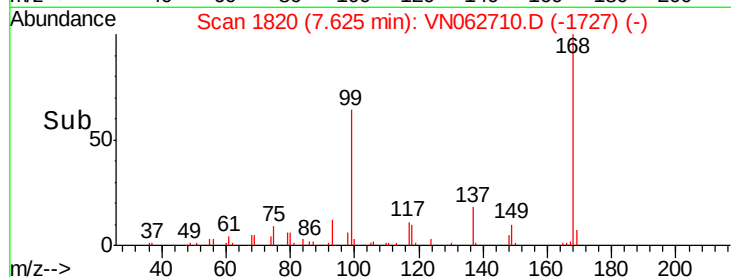
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.480 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.02 min

Lab File: VN062710.D

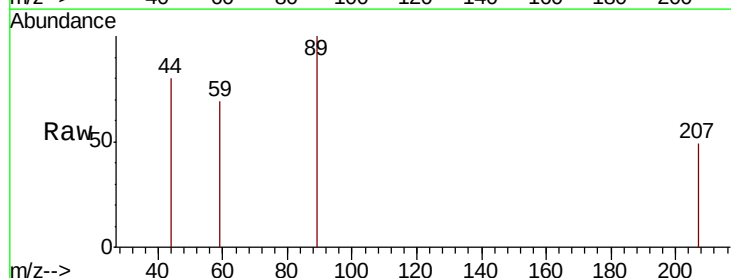
Acq: 1 Aug 2020 1:59

Tgt Ion: 59 Resp: 167

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.72

300

250

200

150

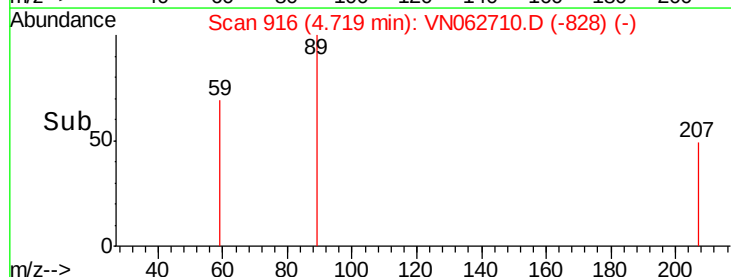
100

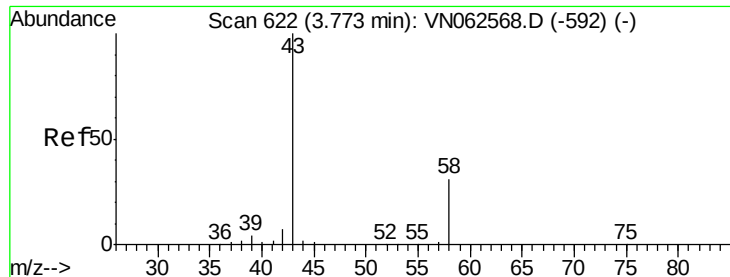
50

0

4.71 4.72 4.73

Time-->





#16

Acetone

Concen: 8.716 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

Instrument :

MSVOA_N

ClientSampleId :

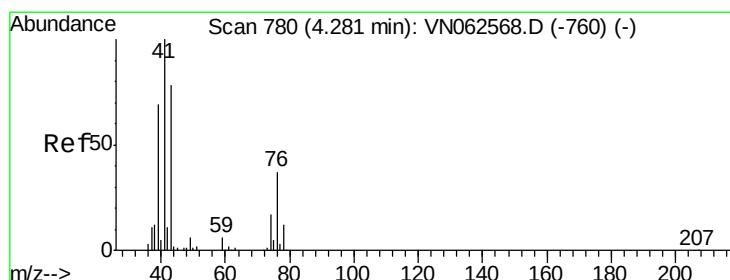
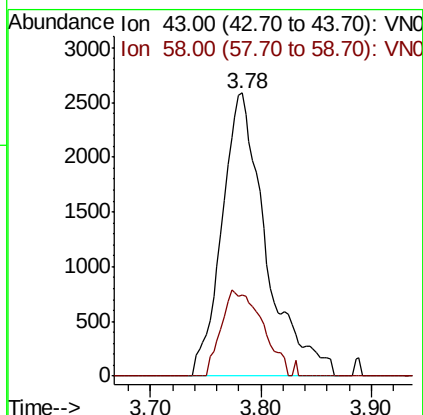
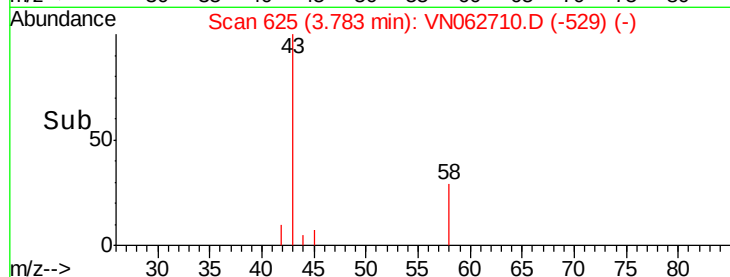
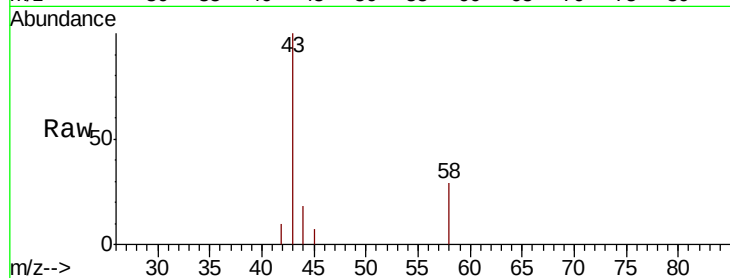
TP-11

Tot Ion: 43 Resp: 7168

Ion Ratio Lower Upper

43 100

58 28.9 24.6 37.0



#18

Methyl Acetate

Concen: 1.140 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN062710.D

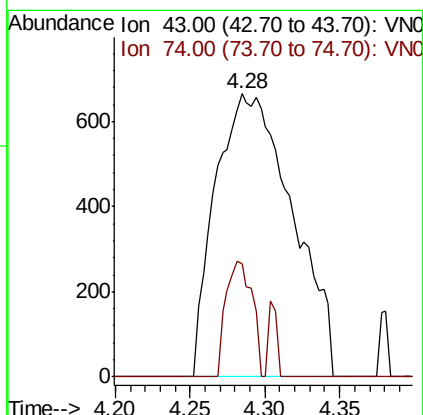
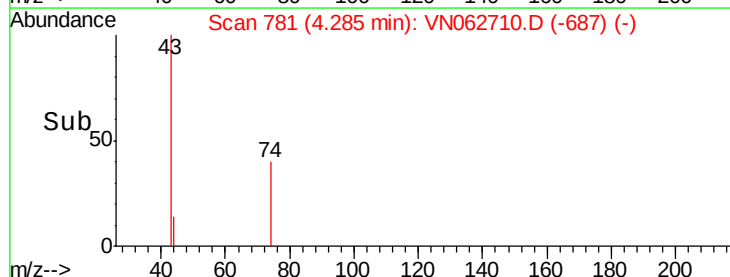
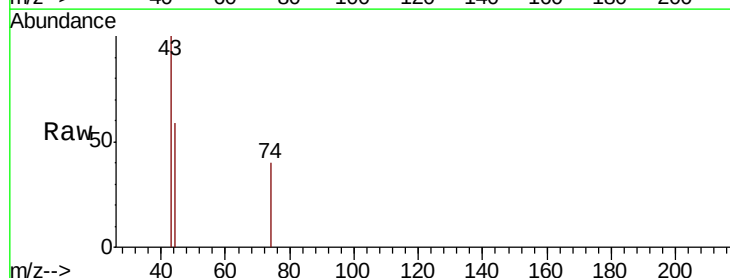
Acq: 1 Aug 2020 1:59

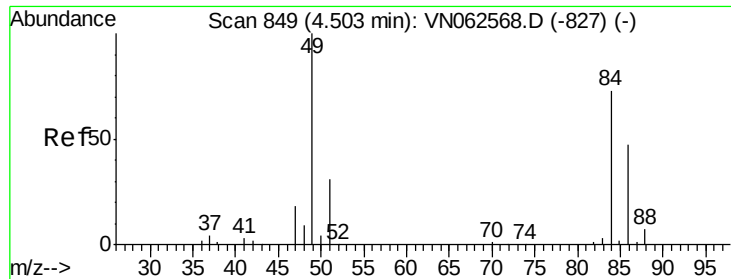
Tgt Ion: 43 Resp: 2374

Ion Ratio Lower Upper

43 100

74 13.9 16.6 24.8#

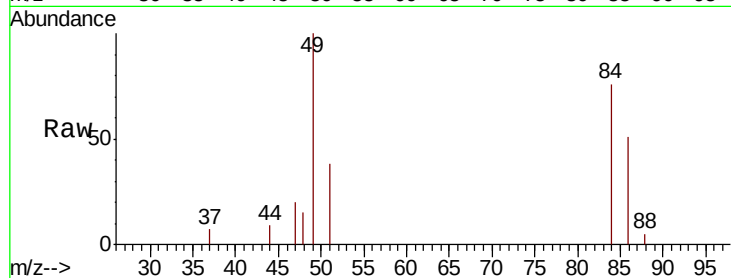




#20
Methvlene Chloride
Concen: 3.735 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062710.D
Acq: 1 Aug 2020 1:59

Instrument :
MSVOA_N
ClientSampled :
TP-11

Tot Ion:	84	Resp:	7367
Ion	Ratio	Lower	Upper
84	100		
49	131.7	109.4	164.0
51	49.6	33.6	50.4
86	67.1	51.4	77.2



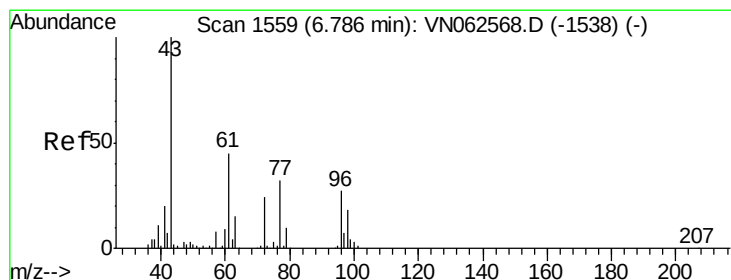
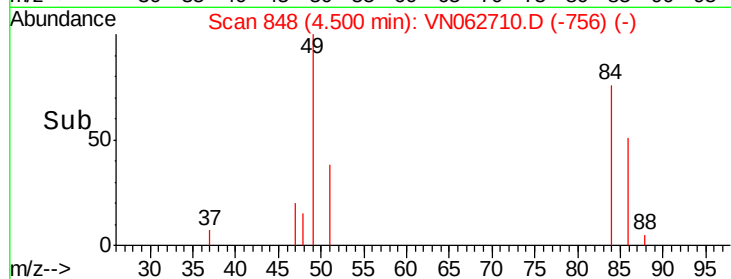
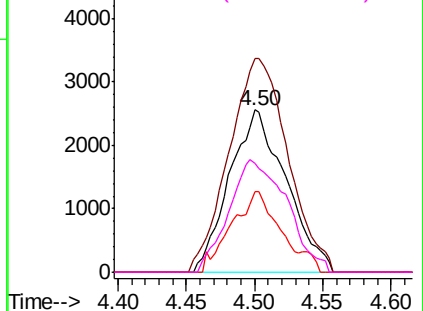
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

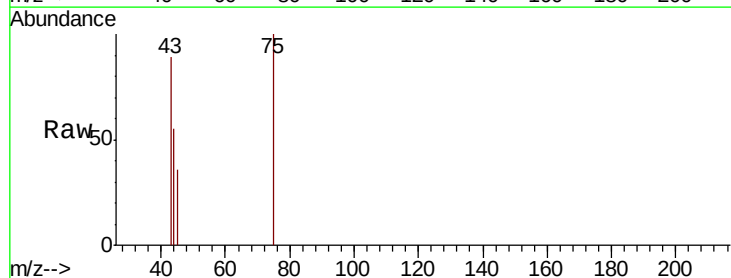
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25
2-Butanone
Concen: 0.745 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN062710.D
Acq: 1 Aug 2020 1:59

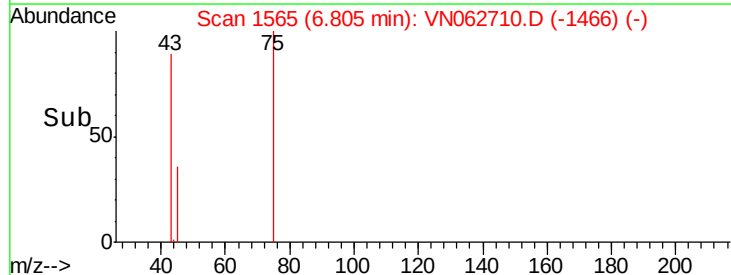
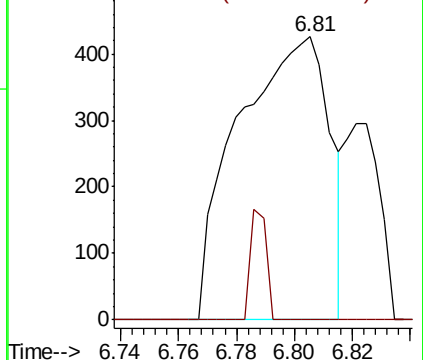
Tgt Ion:	43	Resp:	933
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.6#

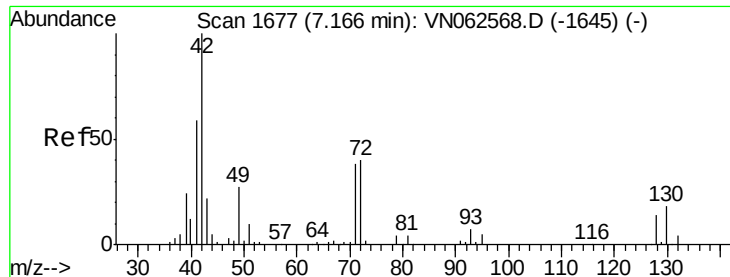


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.389 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.02 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

Instrument :

MSVOA_N

ClientSampleId :

TP-11

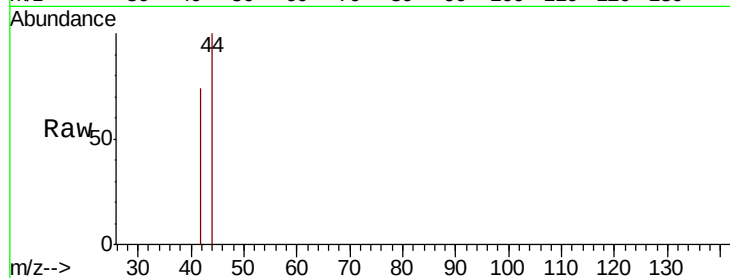
Tot Ion: 42 Resp: 330

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

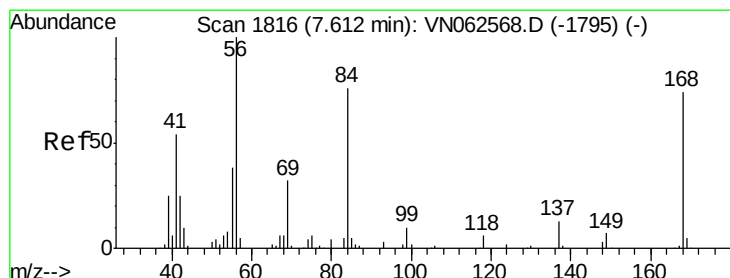
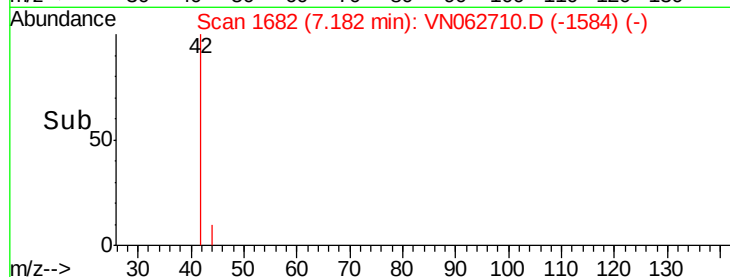
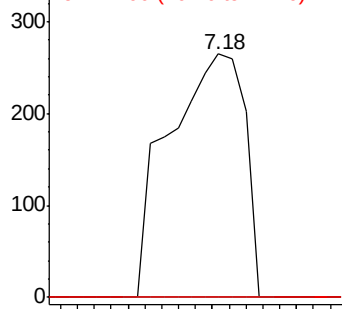
71 0.0 29.1 43.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

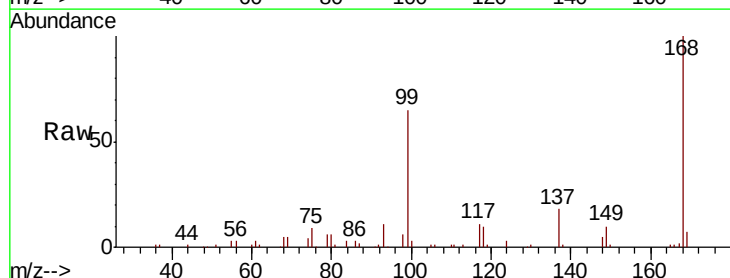
Tgt Ion: 56 Resp: 3538

Ion Ratio Lower Upper

56 100

69 173.2 25.3 37.9#

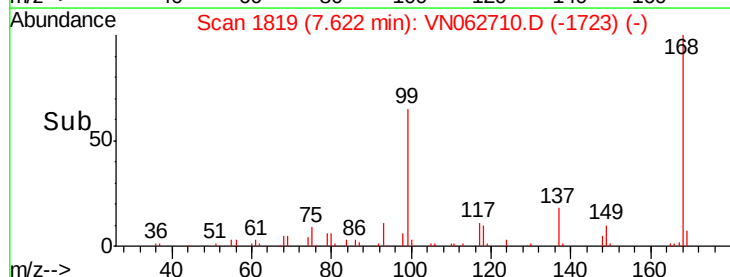
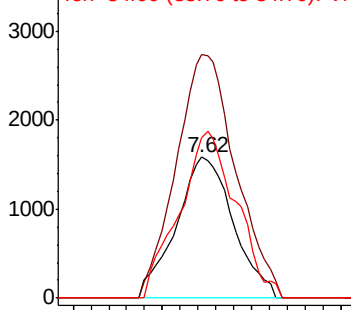
84 113.7 61.0 91.4#

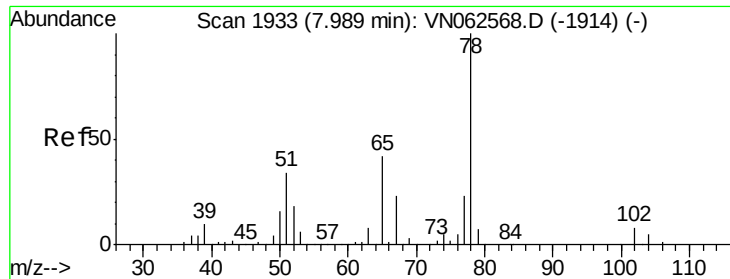


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

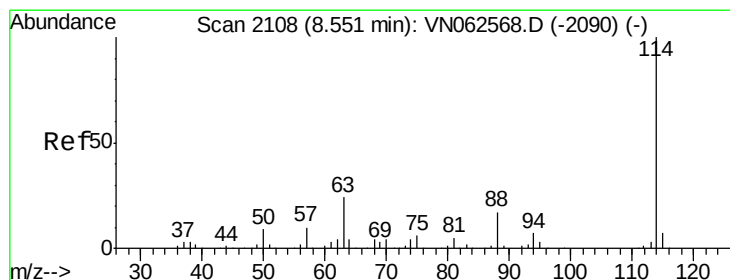
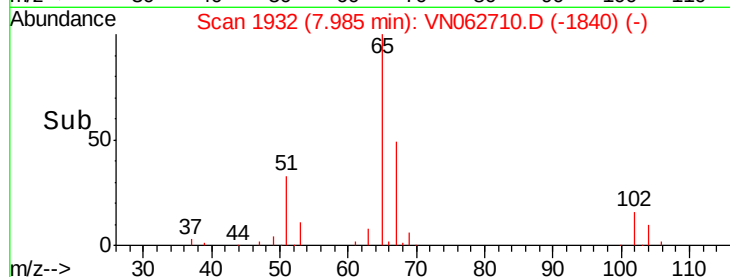
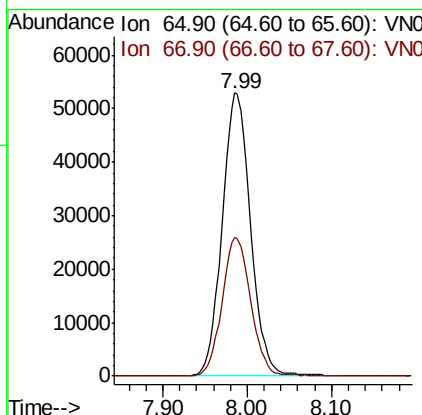
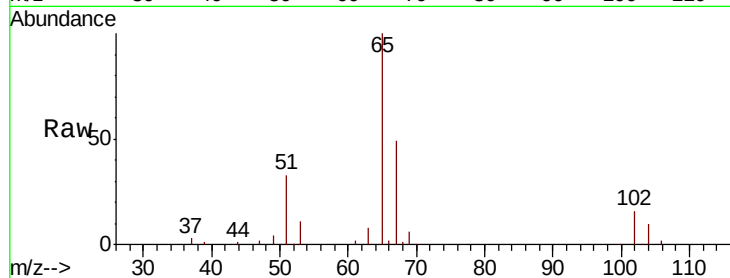




#33
 1,2-Dichloroethane-d4
 Concen: 56.555 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062710.D
 Acq: 1 Aug 2020 1:59

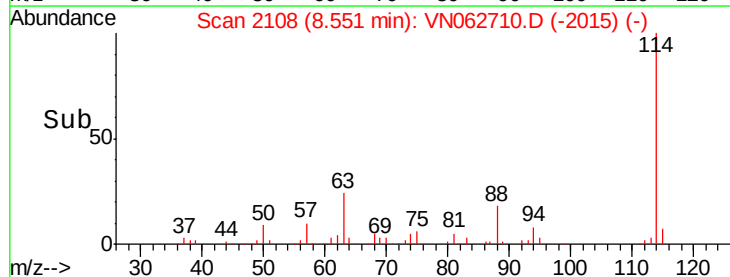
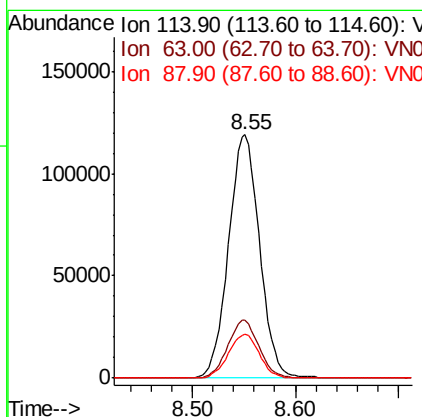
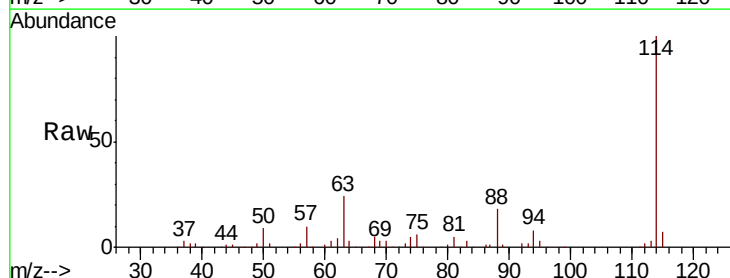
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 MSVOA_N
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 TP-11

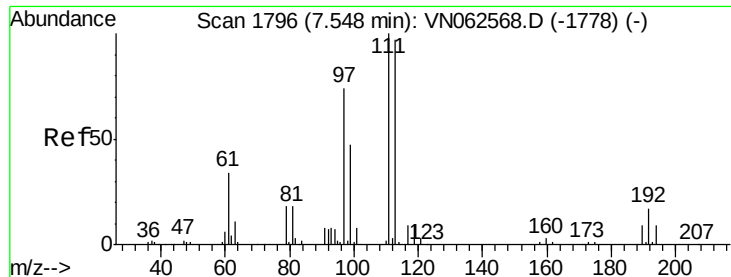
Tot Ion: 65 Resp: 123602
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062710.D
 Acq: 1 Aug 2020 1:59

Tgt Ion: 114 Resp: 249775
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 48.4
 88 17.9 0.0 33.8

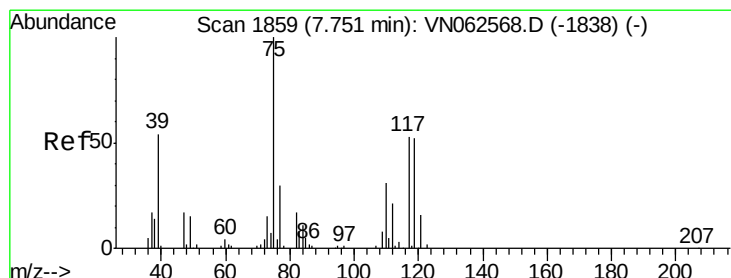
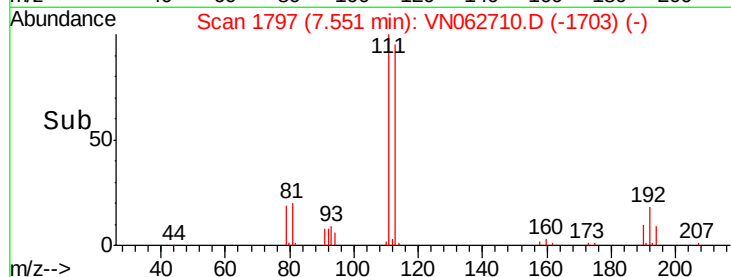
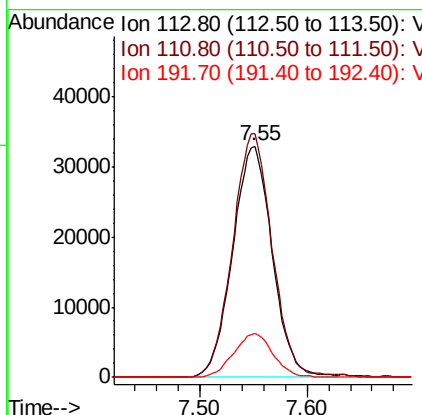
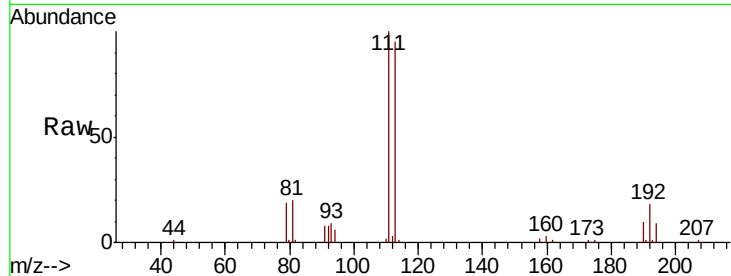




#35
 Dibromofluoromethane
 Concen: 51.399 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062710.D
 Acq: 1 Aug 2020 1:59

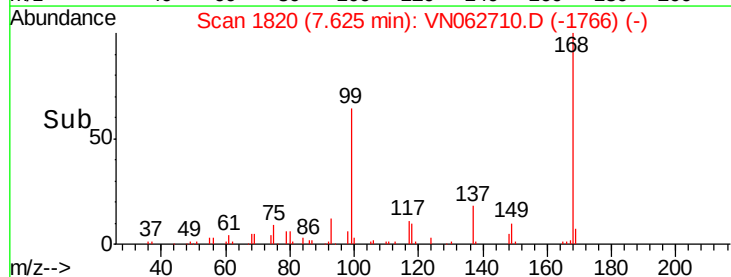
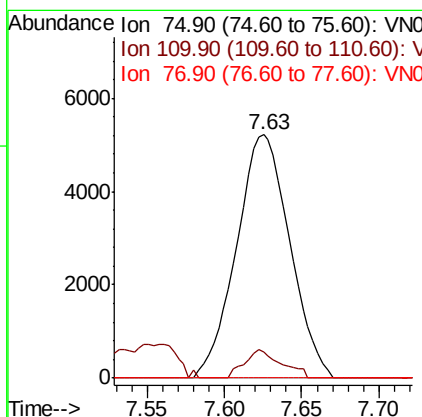
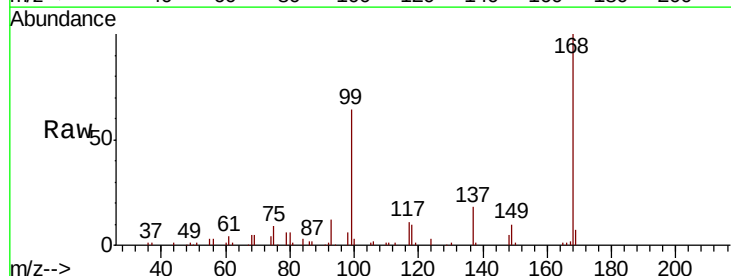
Instrument :
 MSVOA_N
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 TP-11

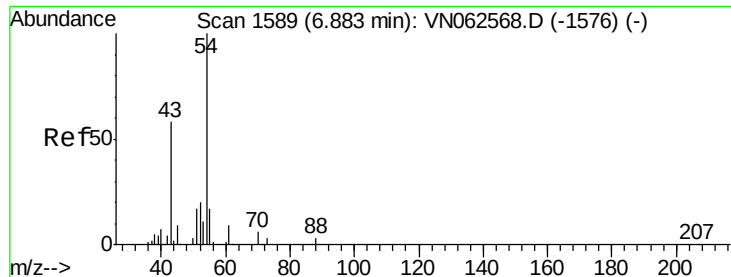
Tot Ion:113 Resp: 84328
 Ion Ratio Lower Upper
 113 100
 111 104.7 82.7 124.1
 192 18.8 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.692 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062710.D
 Acq: 1 Aug 2020 1:59

Tgt Ion: 75 Resp: 12491
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.0 48.0#
 77 0.0 24.6 36.8#

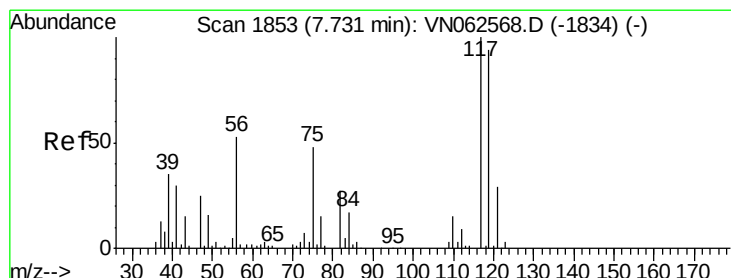
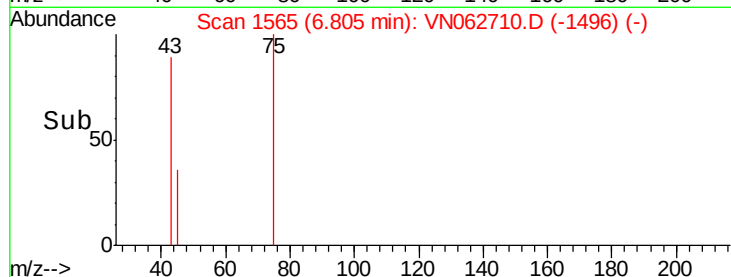
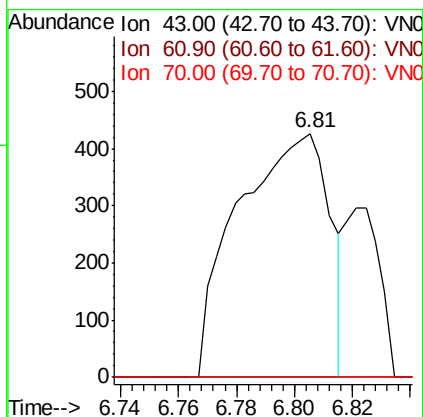
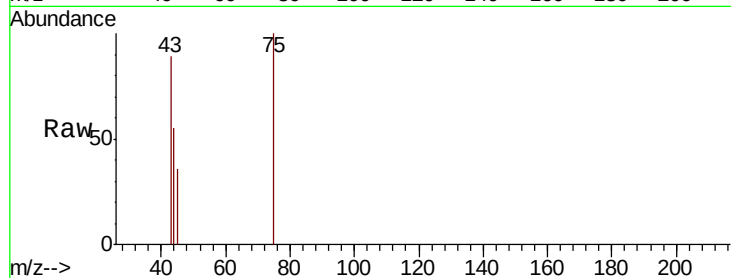




#37
Ethyl Acetate
Concen: 0.325 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. -0.08 min
Lab File: VN062710.D
Acq: 1 Aug 2020 1:59

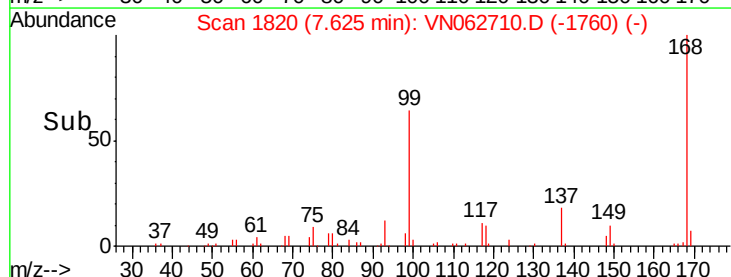
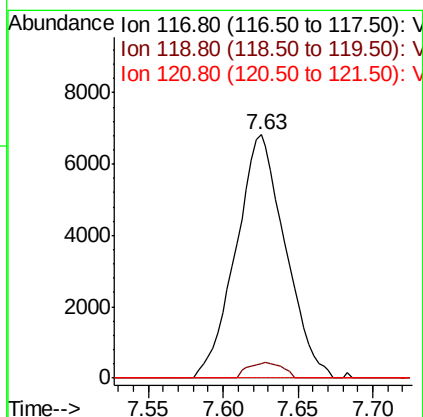
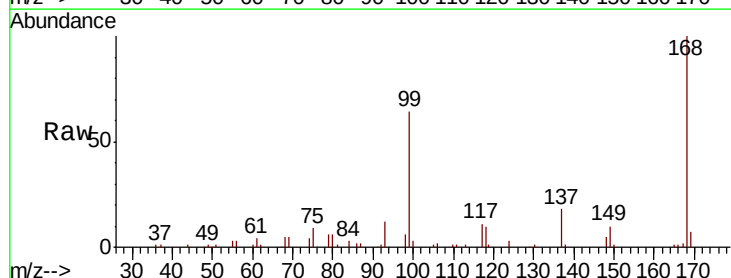
Instrument :
MSVOA_N
ClientSampleId :
TP-11

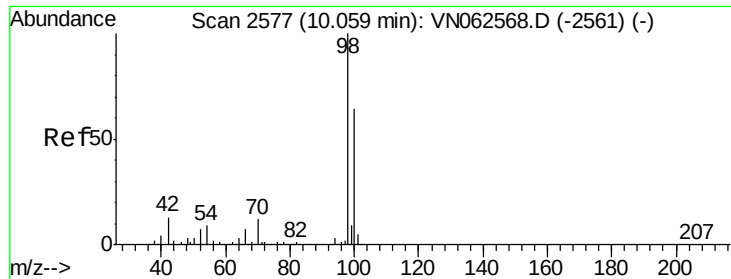
Tot Ion: 43 Resp: 933
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 6.103 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN062710.D
Acq: 1 Aug 2020 1:59

Tgt Ion: 117 Resp: 15619
Ion Ratio Lower Upper
117 100
119 6.1 74.8 112.2#
121 0.0 23.0 34.6#





#50

Toluene-d8

Concen: 49.490 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

Instrument :

MSVOA_N

ClientSampled :

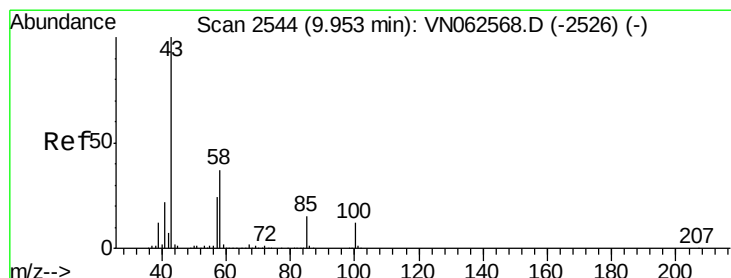
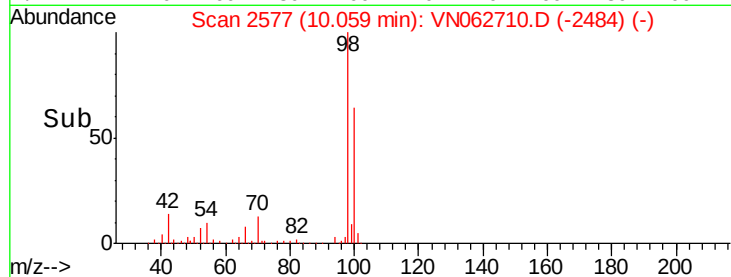
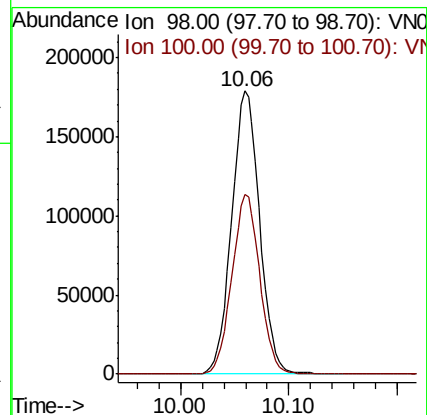
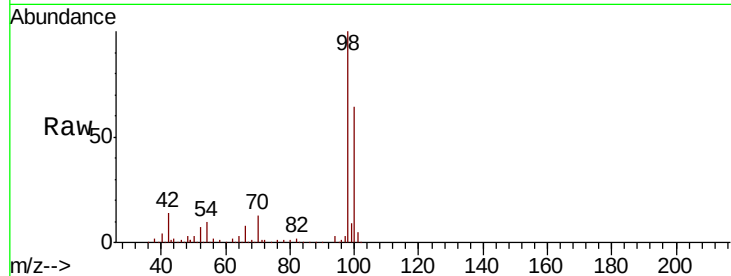
TP-11

Tot Ion: 98 Resp: 323969

Ion Ratio Lower Upper

98 100

100 63.3 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.534 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062710.D

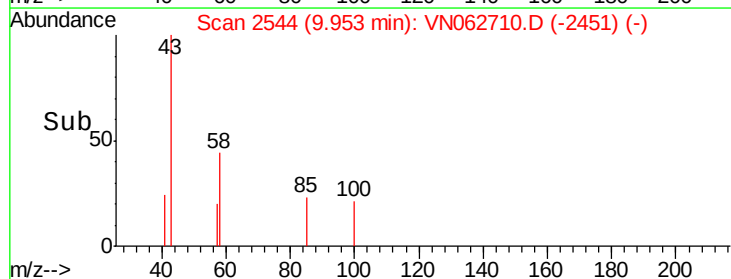
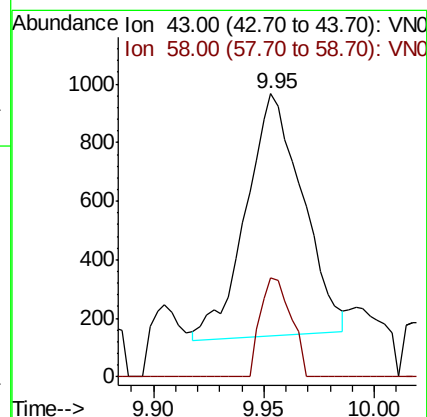
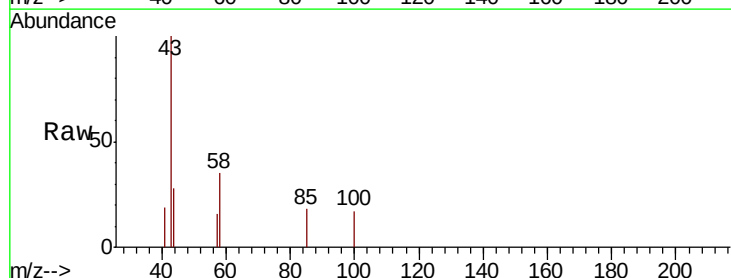
Acq: 1 Aug 2020 1:59

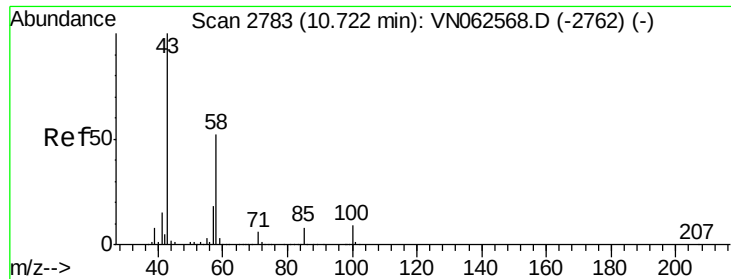
Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

58 22.3 29.8 44.6#





#59

2-Hexanone

Concen: 3.114 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. 0.02 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

Instrument :

MSVOA_N

ClientSampled :

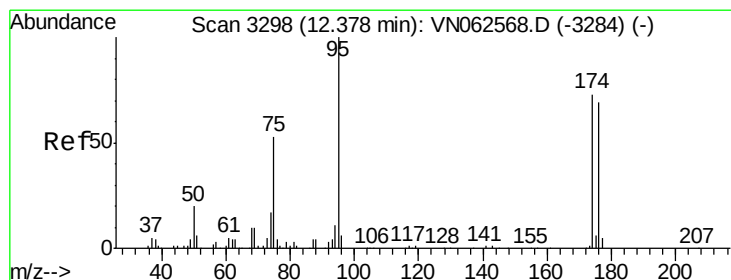
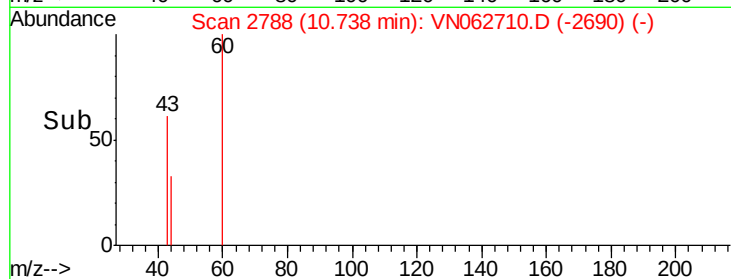
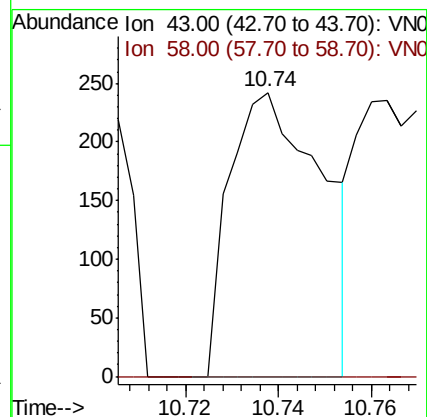
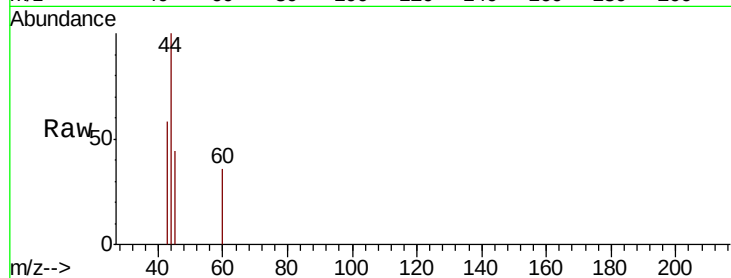
TP-11

Tot Ion: 43 Resp: 336

Ion Ratio Lower Upper

43 100

58 0.0 26.0 78.0#



#62

4-Bromofluorobenzene

Concen: 49.517 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

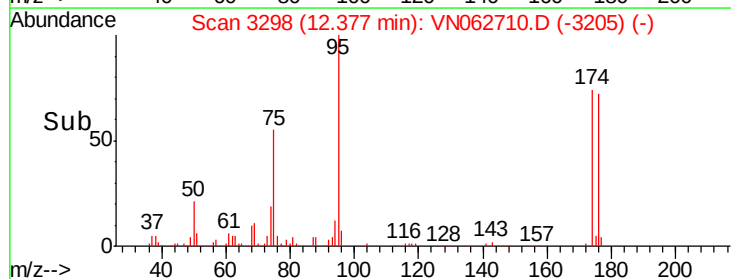
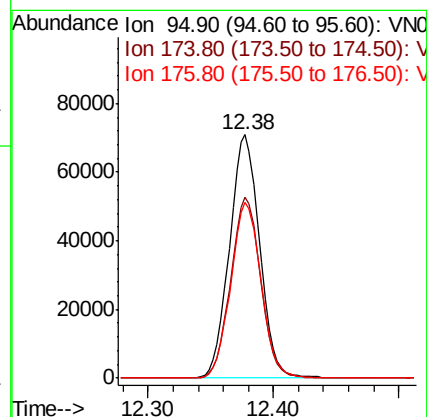
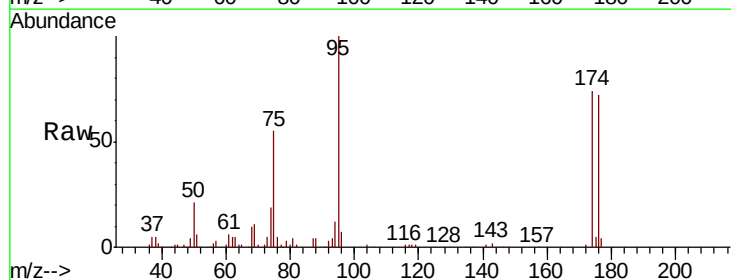
Tgt Ion: 95 Resp: 118521

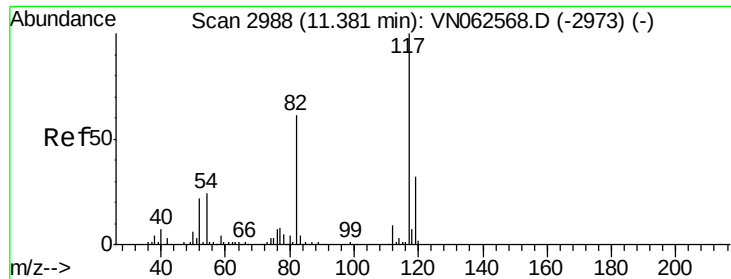
Ion Ratio Lower Upper

95 100

174 73.7 0.0 144.6

176 72.2 0.0 139.4

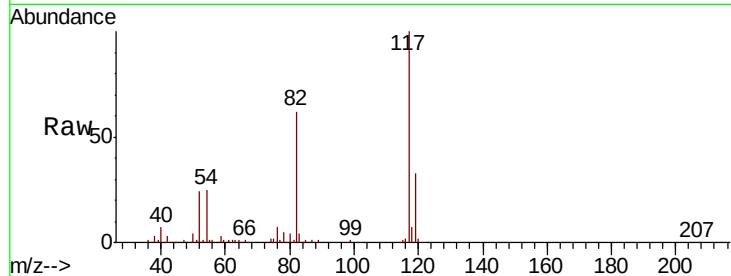




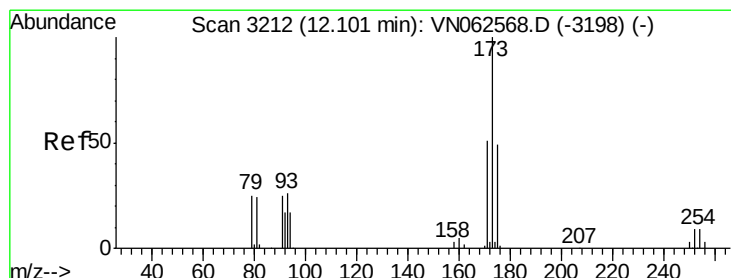
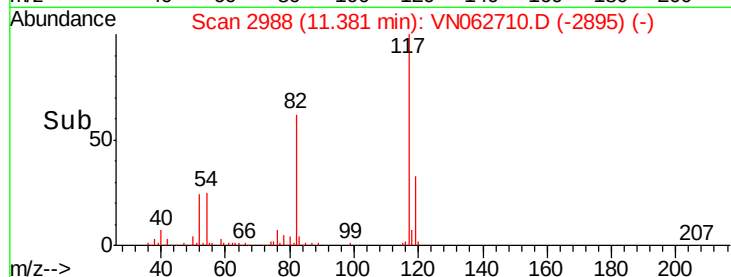
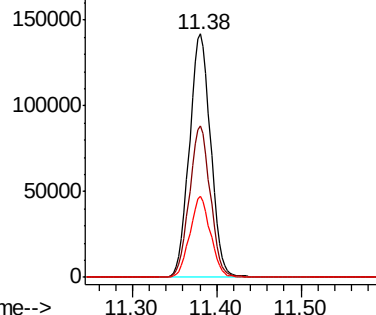
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062710.D
Acq: 1 Aug 2020 1:59

Instrument :
MSVOA_N
ClientSampleId :
TP-11

Tot Ion:117 Resp: 248782
Ion Ratio Lower Upper
117 100
82 62.4 49.0 73.6
119 33.3 25.4 38.2

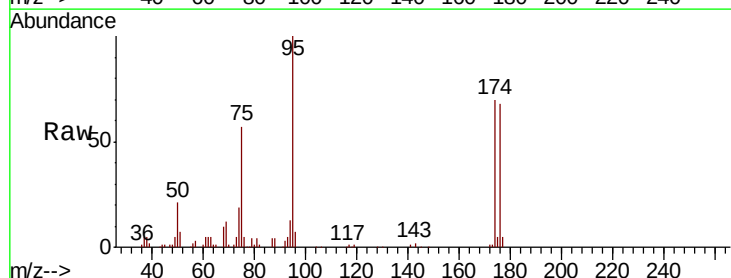


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

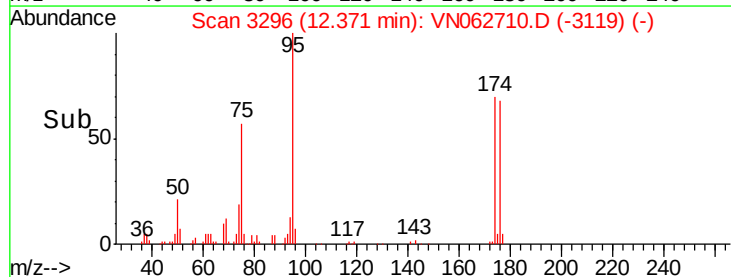
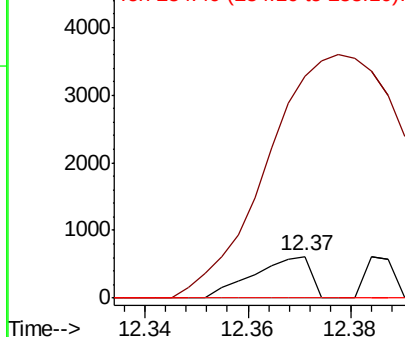


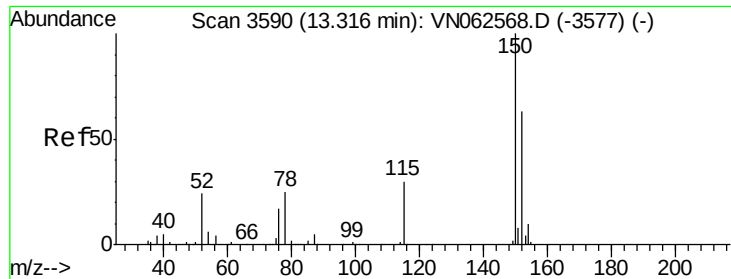
#71
Bromoform
Concen: 0.316 ug/l
RT: 12.37 min Scan# 3296
Delta R.T. 0.27 min
Lab File: VN062710.D
Acq: 1 Aug 2020 1:59

Tgt Ion:173 Resp: 466
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
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# 3591

Delta R.T. 0.00 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

Instrument :

MSVOA_N

ClientSampled :

TP-11

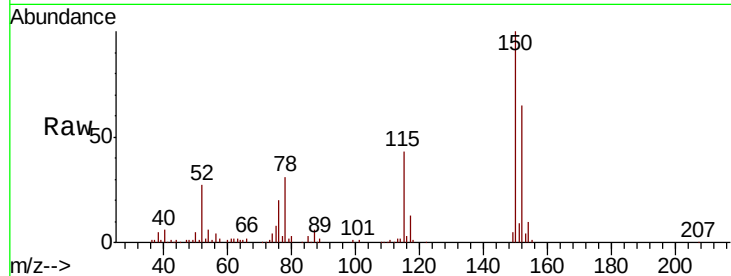
Tot Ion:152 Resp: 89211

Ion Ratio Lower Upper

152 100

115 65.5 31.8 95.4

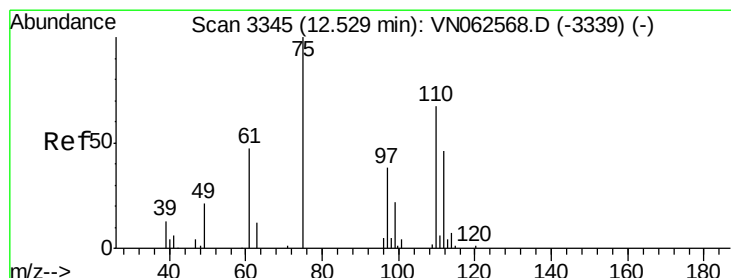
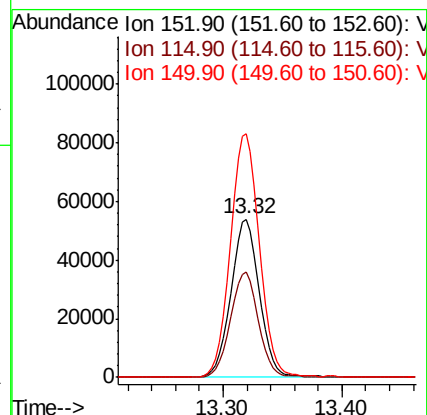
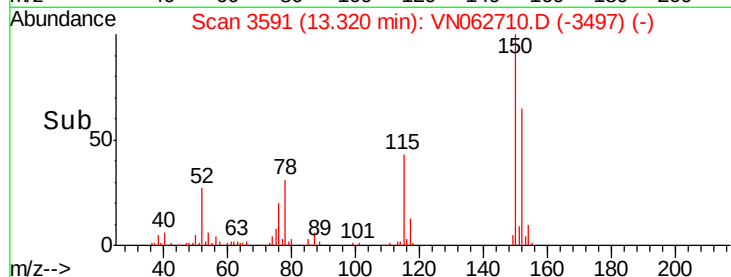
150 157.1 0.0 351.4



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



#76

1,2,3-Trichloropropane

Concen: 29.183 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062710.D

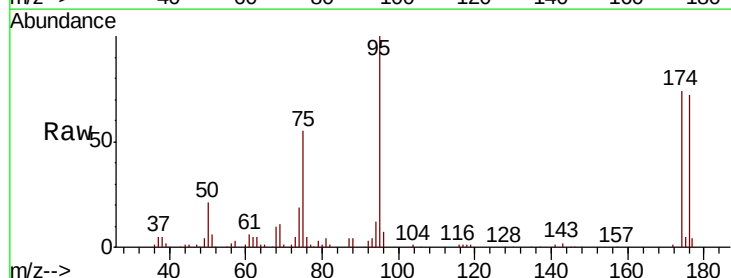
Acq: 1 Aug 2020 1:59

Tgt Ion: 75 Resp: 66267

Ion Ratio Lower Upper

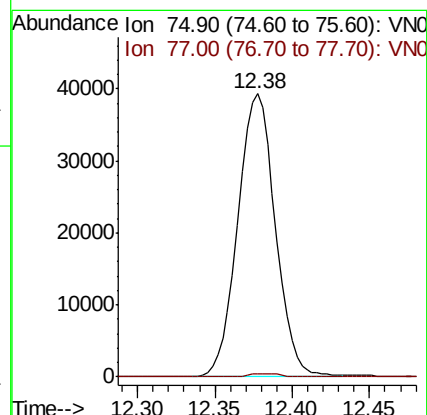
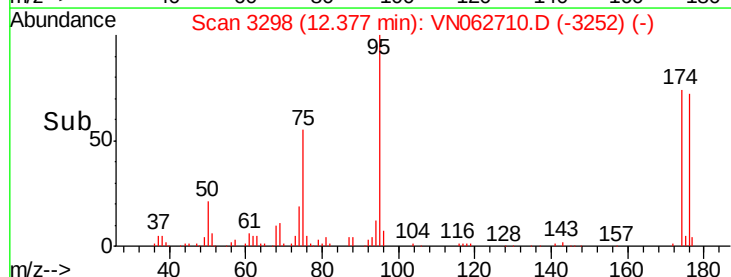
75 100

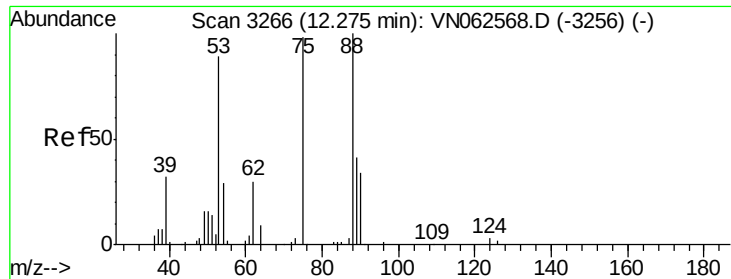
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 81.239 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062710.D

Acq: 1 Aug 2020 1:59

Instrument :

MSVOA_N

ClientSampleId :

TP-11

Tot Ion: 75 Resp: 66267

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 34.5 51.7#

