

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063059.D
 Acq On : 21 Aug 2020 1:40
 Operator : JC/MD
 Sample : L3737-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS038-200818

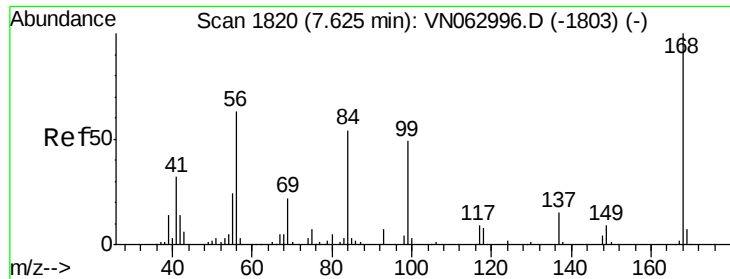
Quant Time: Aug 21 06:41:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	147031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	244974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	250425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87999	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	98368	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
35) Dibromofluoromethane	7.55	113	84851	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
50) Toluene-d8	10.06	98	311324	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.38	95	102128	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	250	Below Cal	#	40
27) cis-1,2-Dichloroethene	6.79	96	21393	13.068	ug/l	92
31) Cyclohexane	7.62	56	1468	0.572	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10512	4.869	ug/l #	47
38) Carbon Tetrachloride	7.63	117	13433	6.163	ug/l #	17
44) Trichloroethene	8.81	130	493	0.289	ug/l	51
51) 4-Methyl-2-Pentanone	10.06	43	1324	0.625	ug/l #	1
71) Bromoform	12.38	173	941	0.604	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49362	28.858	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49362	79.258	ug/l #	15
89) n-Butylbenzene	13.32	91	175	2.805	ug/l #	34

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

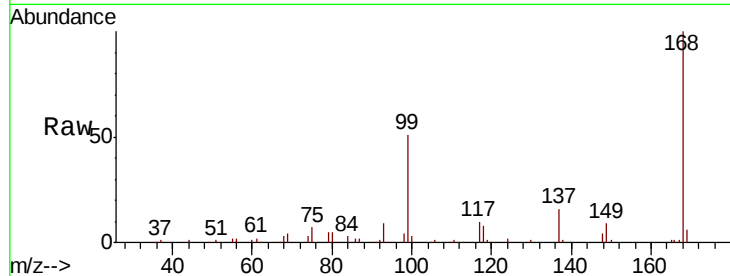
KY038PS038-200818

Tot Ion:168 Resp: 147031

Ion Ratio Lower Upper

168 100

99 50.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN062996.D (-1803) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1803) (-)

7.63

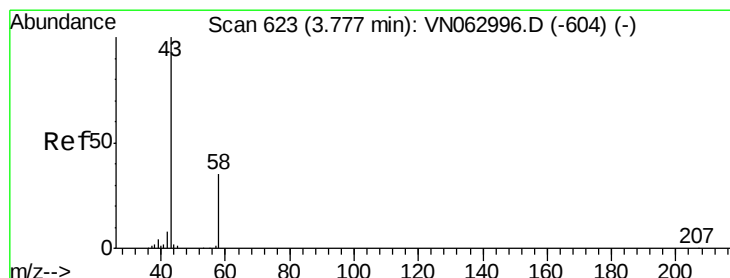
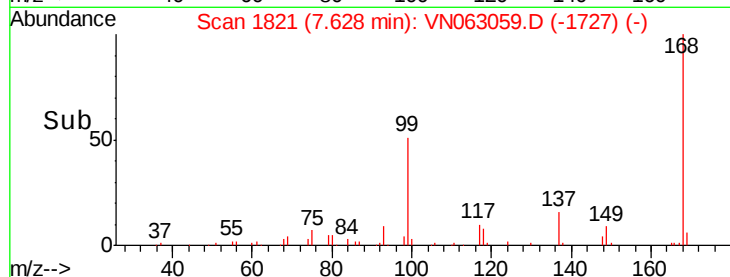
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN063059.D

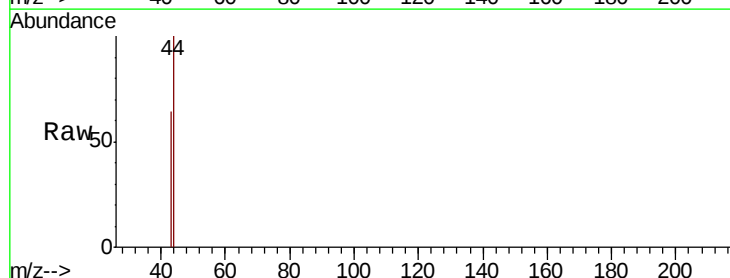
Acq: 21 Aug 2020 1:40

Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-604) (-)

3.79

200

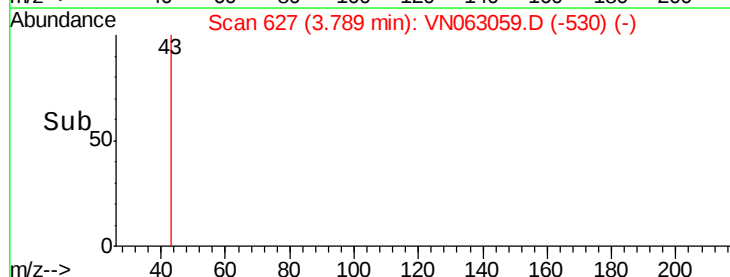
150

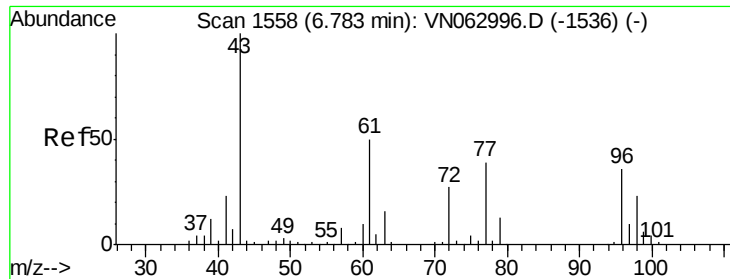
100

50

0

Time--> 3.77 3.78 3.79 3.80





#27

cis-1,2-Dichloroethene

Concen: 13.068 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-200818

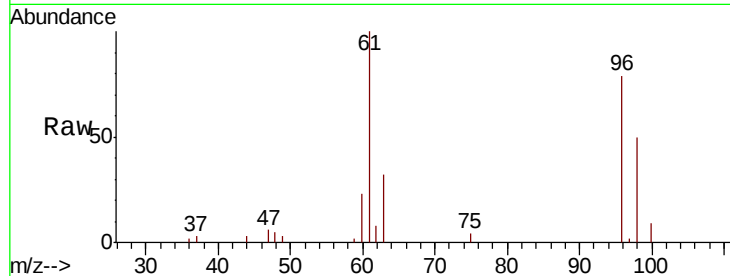
Tot Ion: 96 Resp: 21393

Ion Ratio Lower Upper

96 100

61 132.8 0.0 292.8

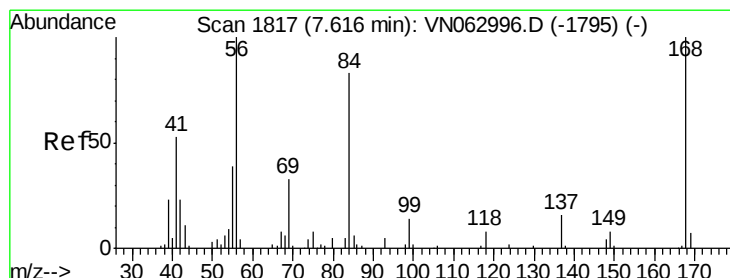
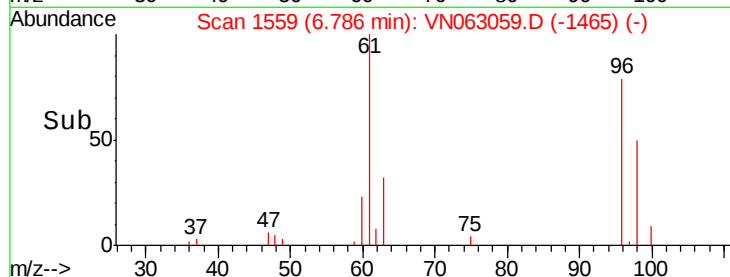
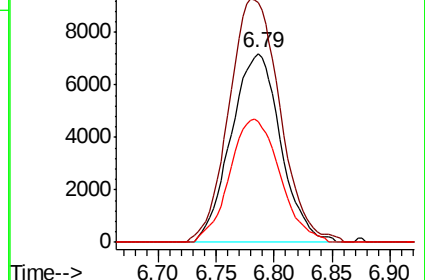
98 66.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN062996.D (-1536) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-1536) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1536) (-)



#31

Cyclohexane

Concen: 0.572 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

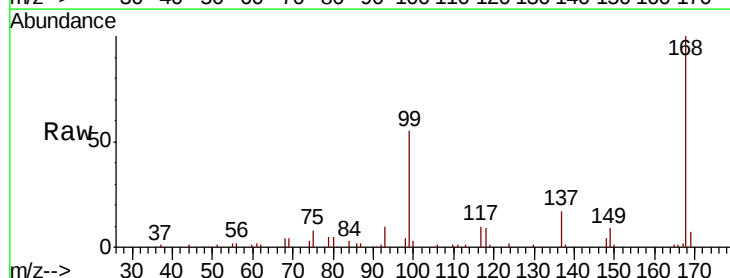
Tgt Ion: 56 Resp: 1468

Ion Ratio Lower Upper

56 100

69 185.9 26.6 40.0#

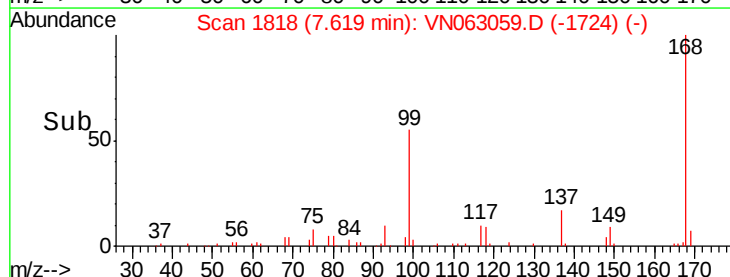
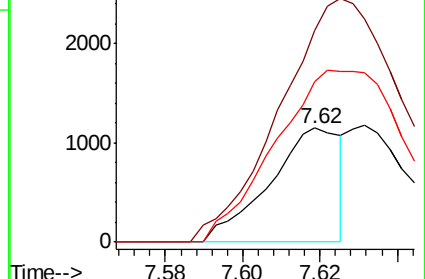
84 140.6 66.4 99.6#

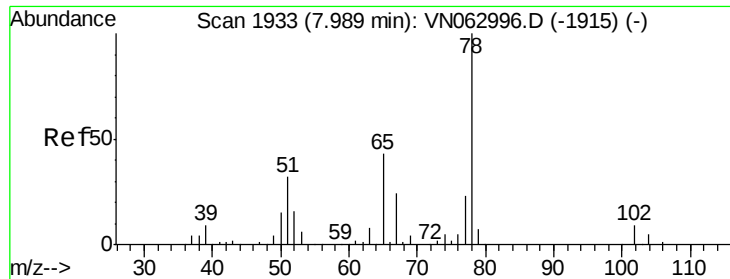


Abundance Ion 56.00 (55.70 to 56.70): VN062996.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN062996.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN062996.D (-1795) (-)

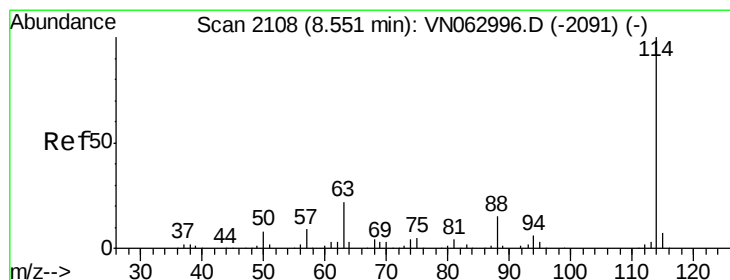
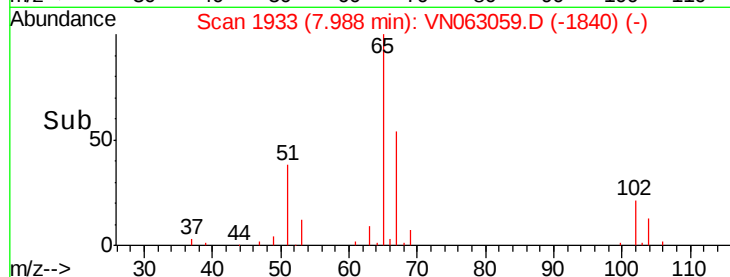
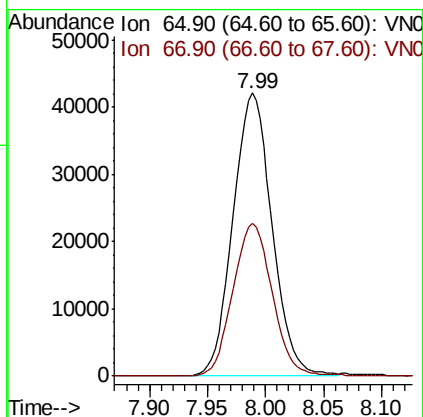
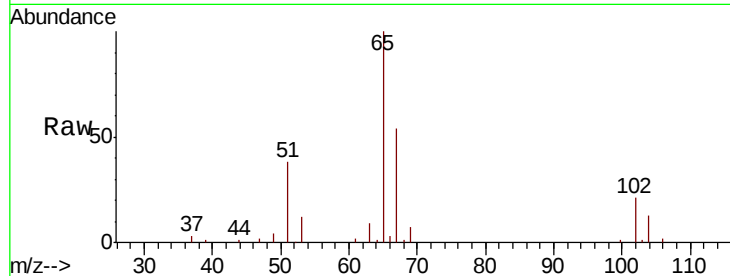




#33
 1,2-Dichloroethane-d4
 Concen: 56.449 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063059.D
 Acq: 21 Aug 2020 1:40

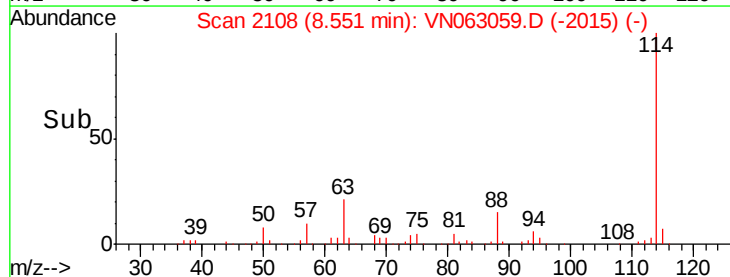
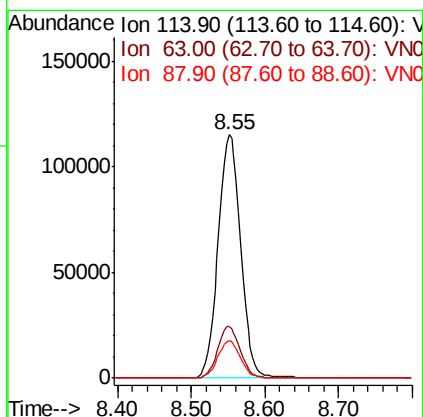
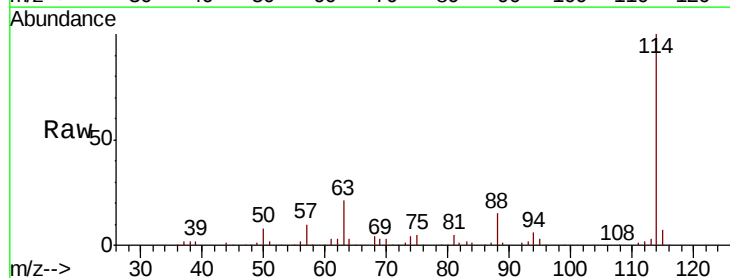
Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS038-200818

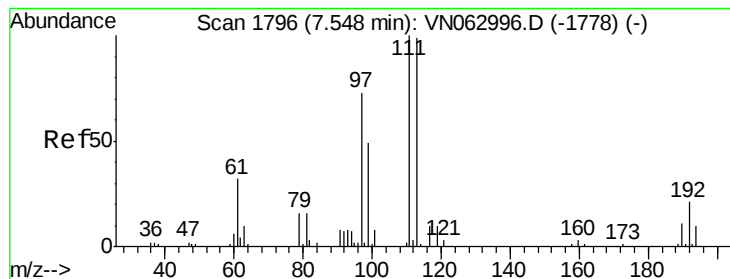
Tot Ion: 65 Resp: 98368
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063059.D
 Acq: 21 Aug 2020 1:40

Tgt Ion: 114 Resp: 244974
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.157 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-200818

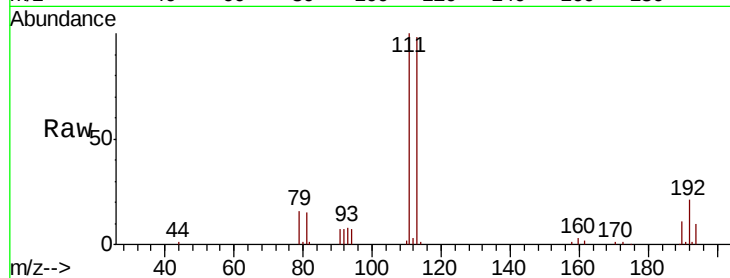
Tot Ion:113 Resp: 84851

Ion Ratio Lower Upper

113 100

111 103.3 81.7 122.5

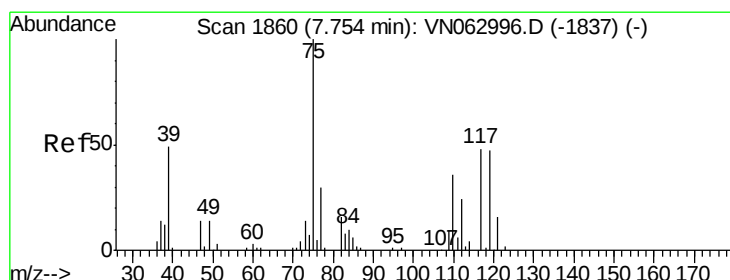
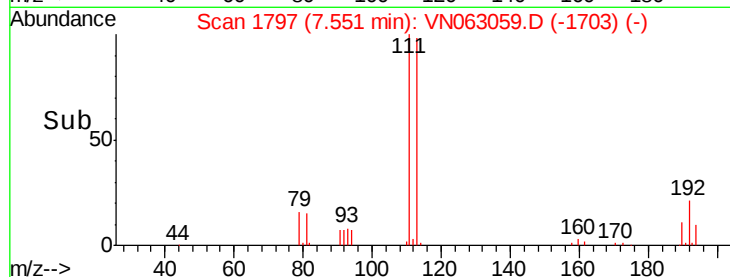
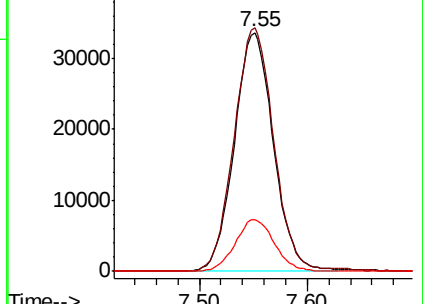
192 21.6 17.5 26.3



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: 4.869 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

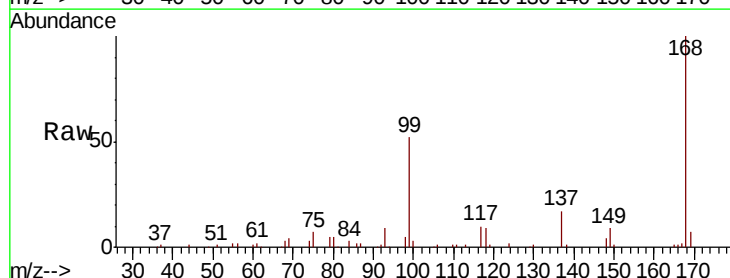
Tgt Ion: 75 Resp: 10512

Ion Ratio Lower Upper

75 100

110 5.9 17.5 52.6#

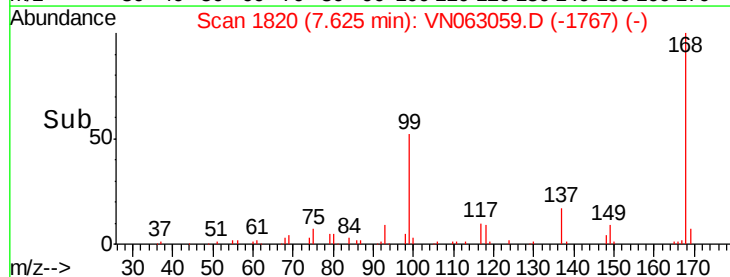
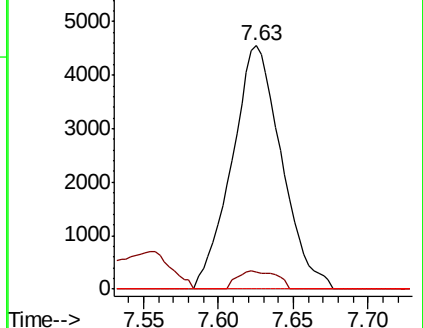
77 0.0 24.2 36.4#

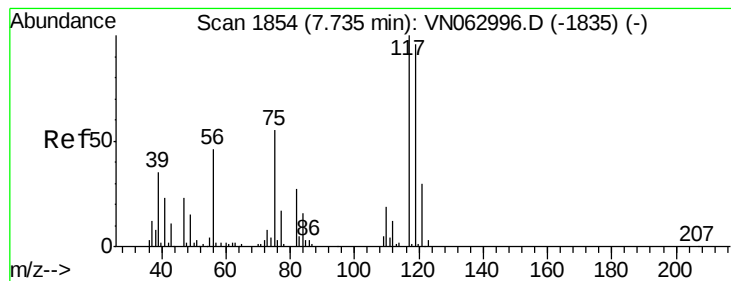


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.163 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-200818

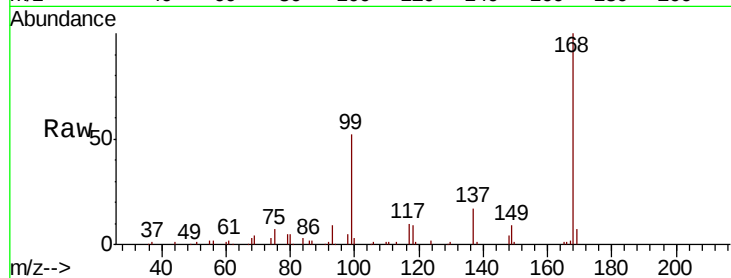
Tot Ion:117 Resp: 13433

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.4#

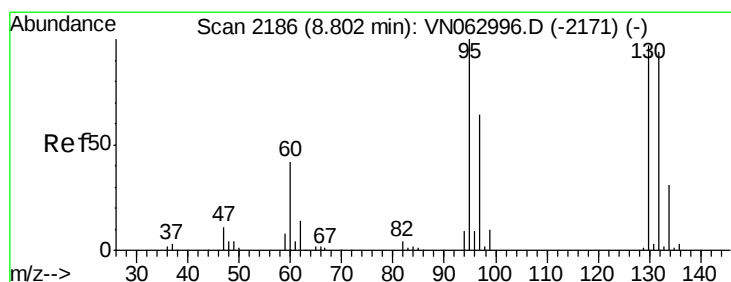
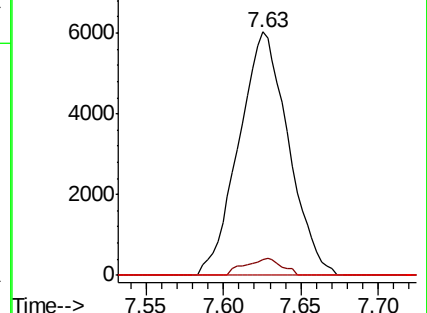
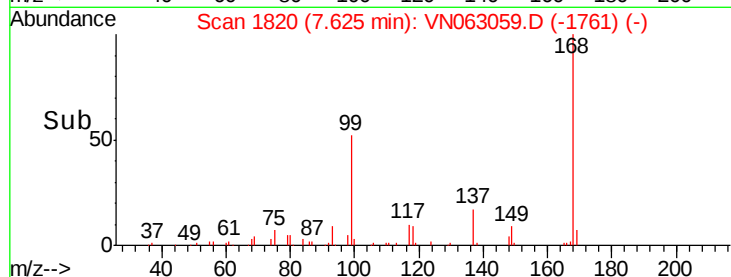
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.289 ug/l

RT: 8.81 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VN063059.D

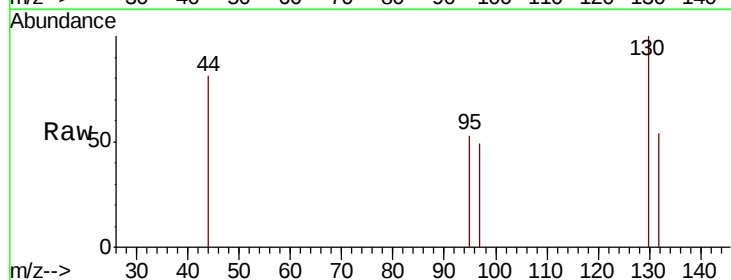
Acq: 21 Aug 2020 1:40

Tgt Ion:130 Resp: 493

Ion Ratio Lower Upper

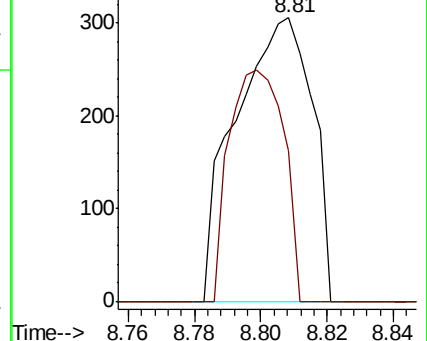
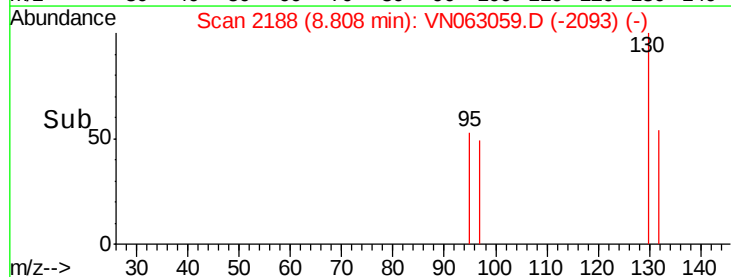
130 100

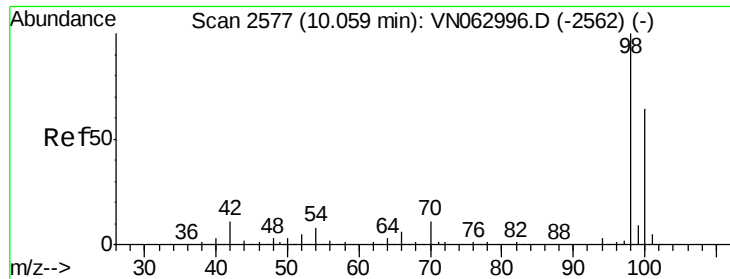
95 52.9 0.0 205.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.777 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

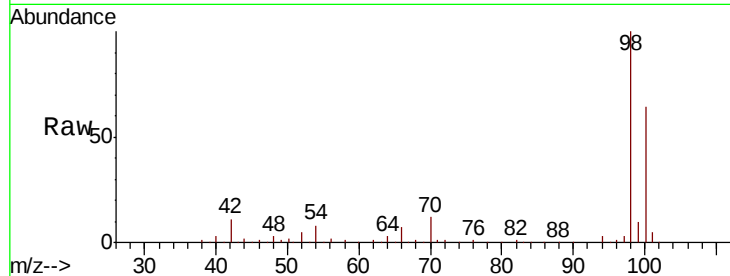
KY038PS038-200818

Tot Ion: 98 Resp: 311324

Ion Ratio Lower Upper

98 100

100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062996.D (-2562) (-)

10.06

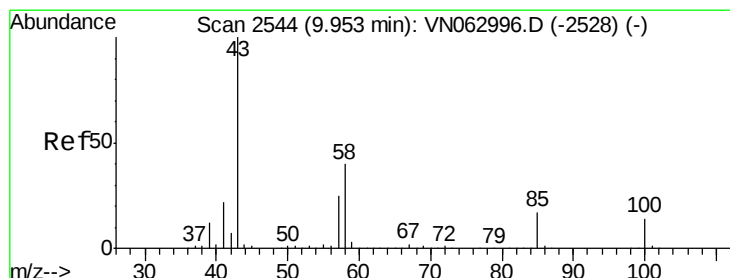
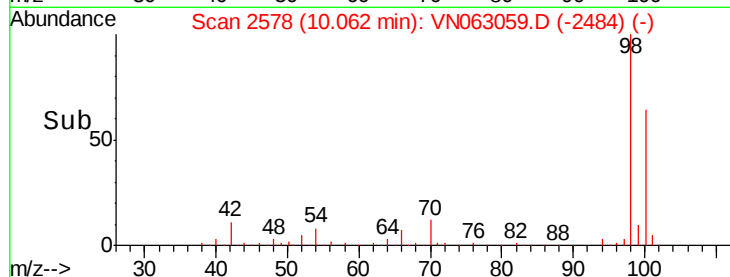
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.625 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN063059.D

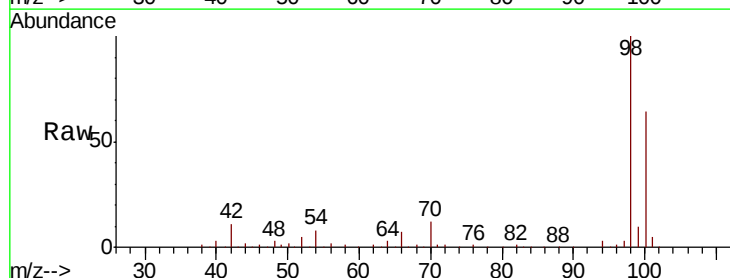
Acq: 21 Aug 2020 1:40

Tgt Ion: 43 Resp: 1324

Ion Ratio Lower Upper

43 100

58 204.1 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

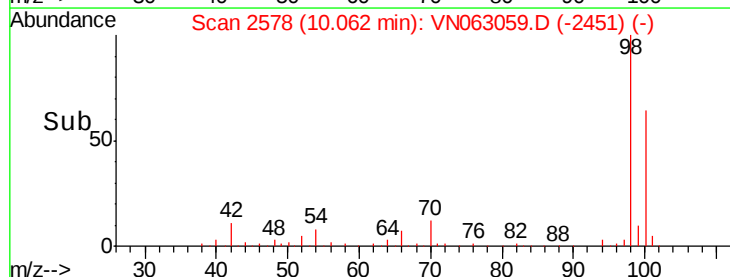
1500

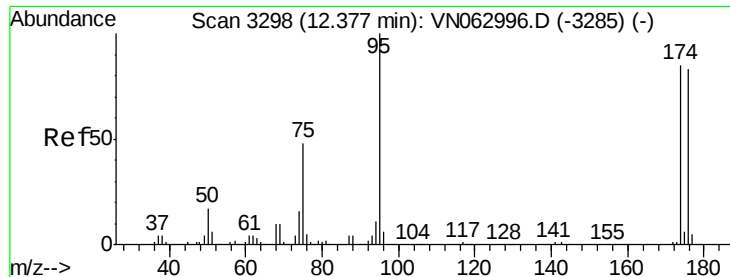
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.202 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-200818

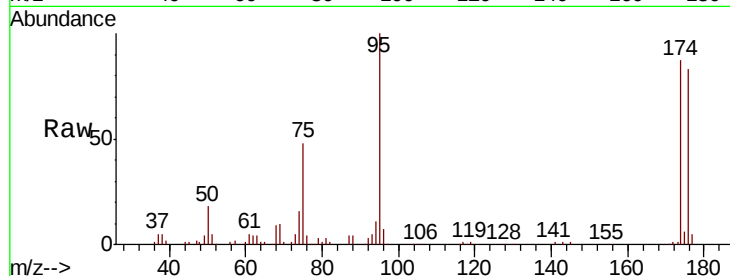
Tot Ion: 95 Resp: 102128

Ion Ratio Lower Upper

95 100

174 87.7 0.0 170.8

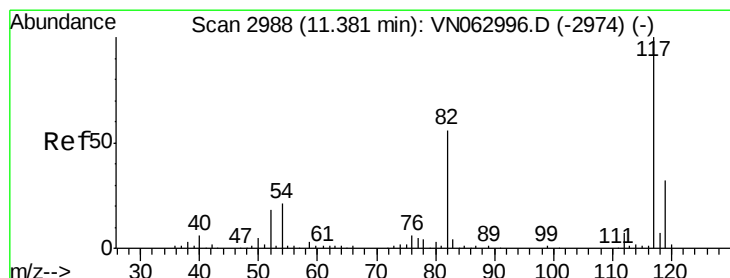
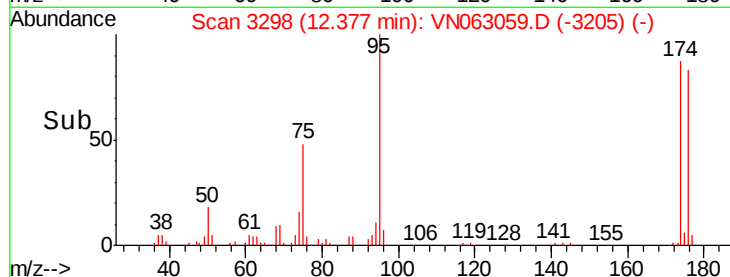
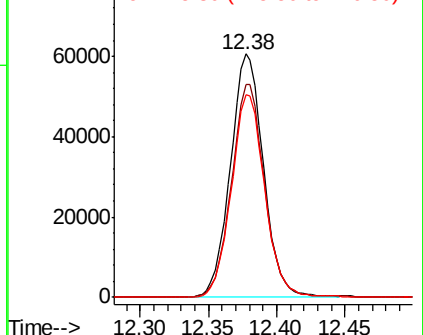
176 84.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

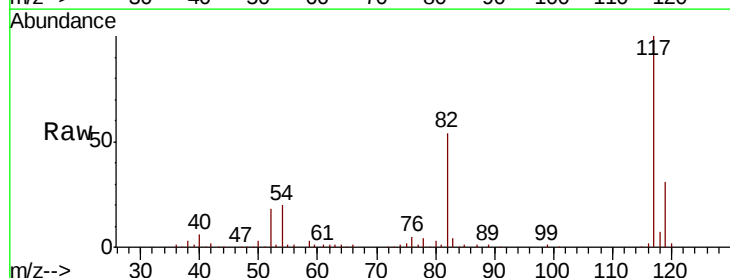
Tgt Ion: 117 Resp: 250425

Ion Ratio Lower Upper

117 100

82 54.4 44.5 66.7

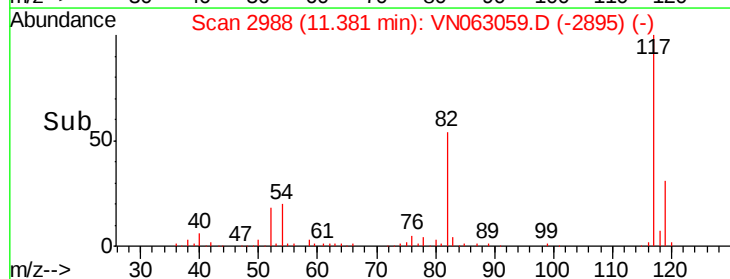
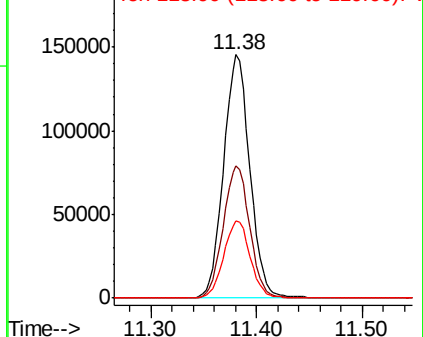
119 31.5 25.5 38.3

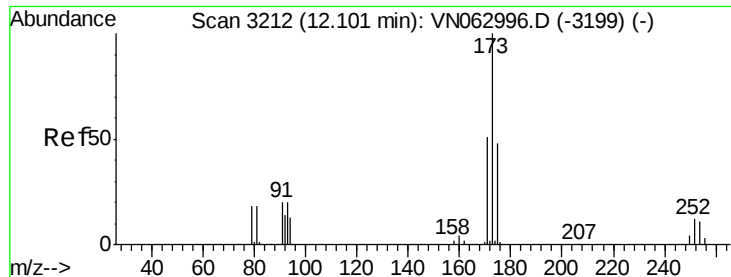


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.604 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-200818

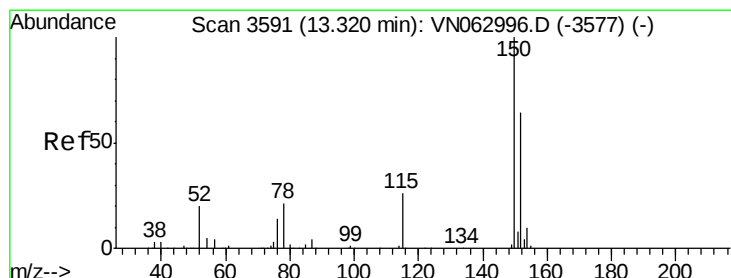
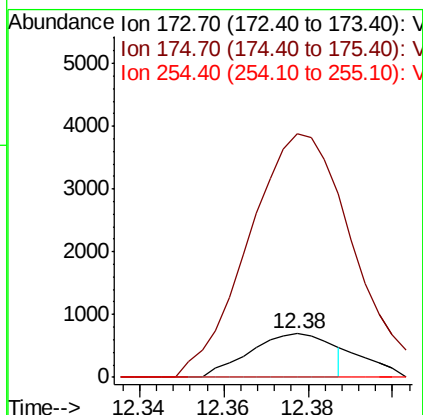
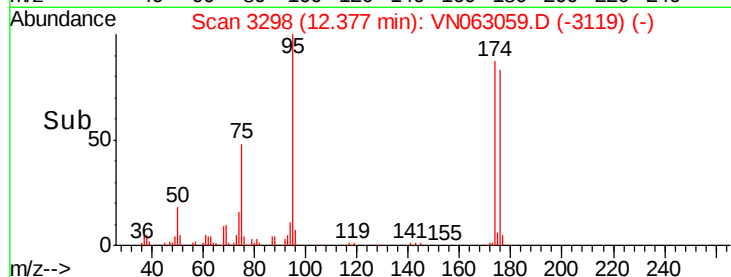
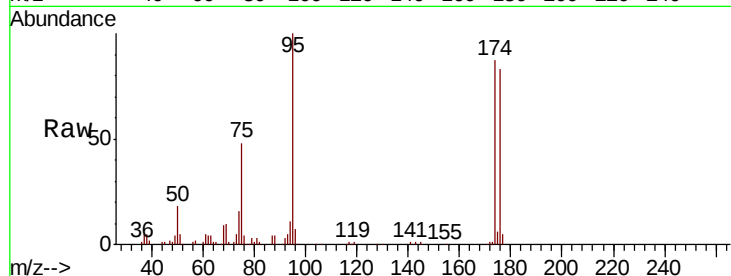
Tot Ion:173 Resp: 941

Ion Ratio Lower Upper

173 100

175 577.7 24.3 72.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

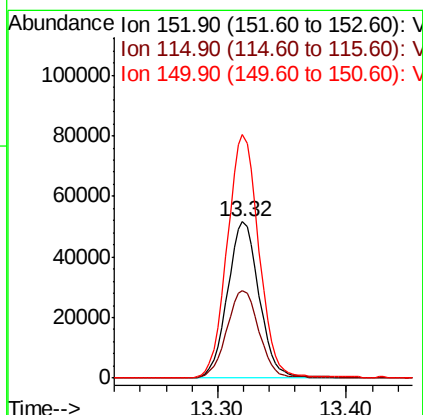
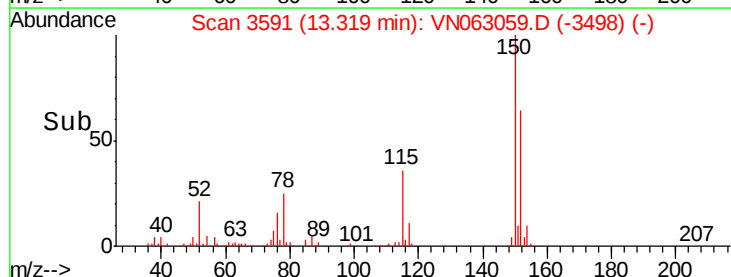
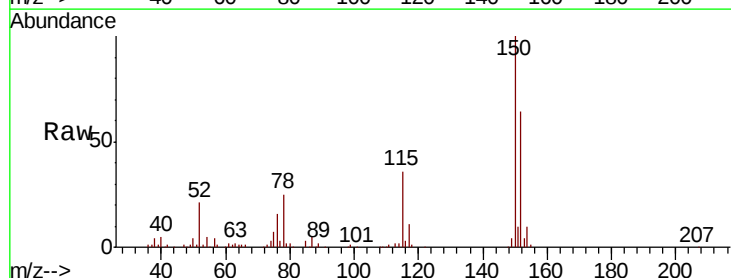
Tgt Ion:152 Resp: 87999

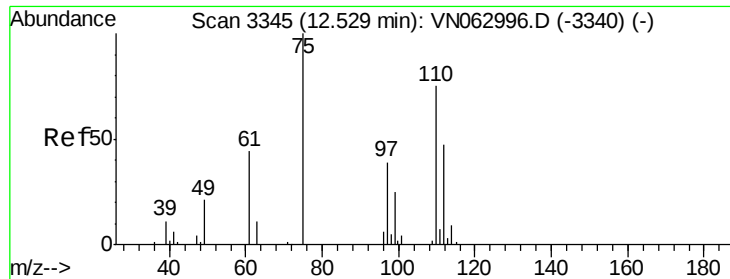
Ion Ratio Lower Upper

152 100

115 57.0 28.7 86.3

150 157.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 28.858 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

Instrument :

MSVOA_N

ClientSampleId :

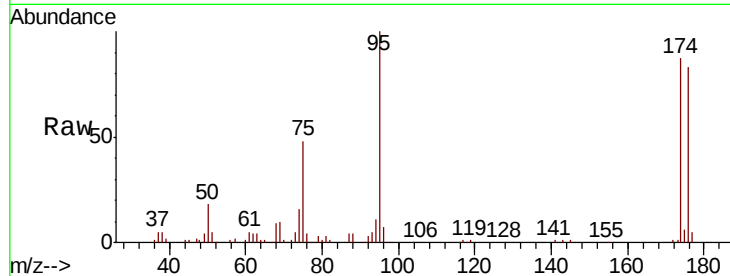
KY038PS038-200818

Tot Ion: 75 Resp: 49362

Ion Ratio Lower Upper

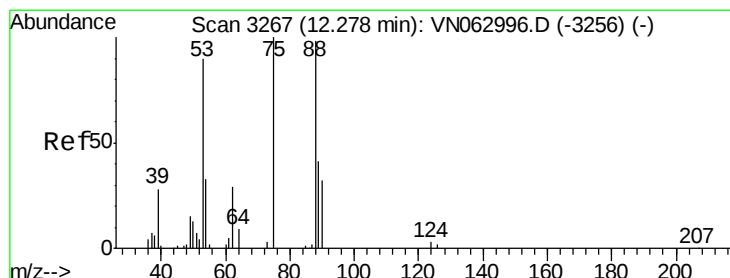
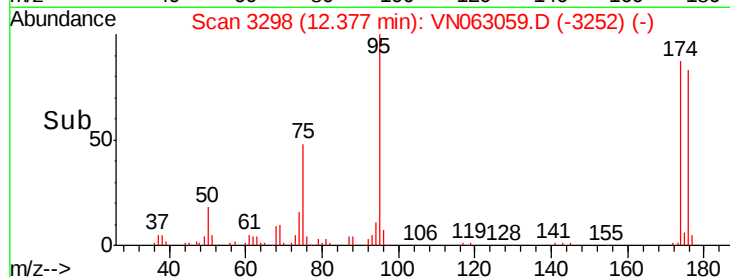
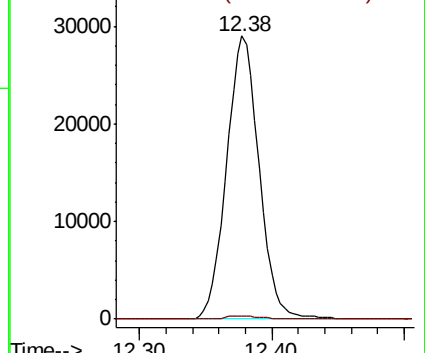
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 79.258 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063059.D

Acq: 21 Aug 2020 1:40

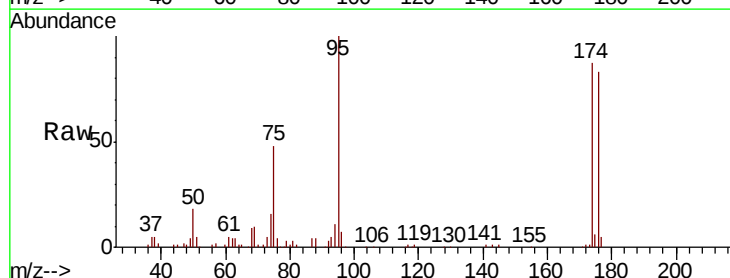
Tgt Ion: 75 Resp: 49362

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

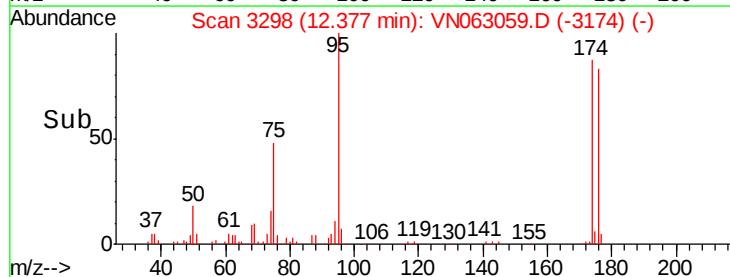
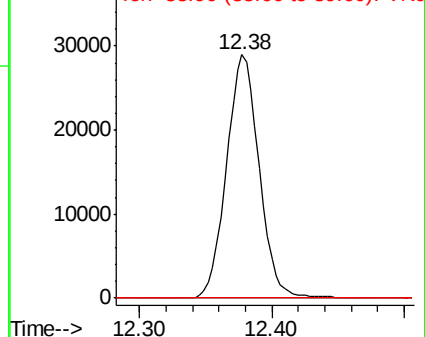
89 0.0 34.2 51.4#

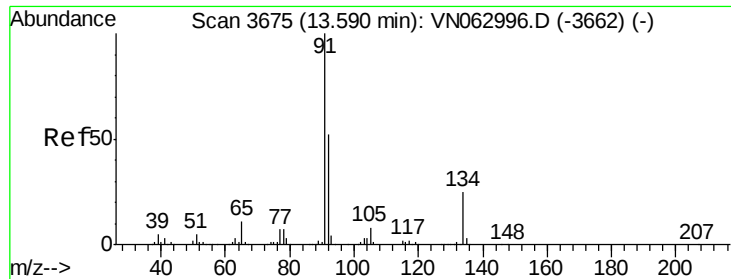


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#89
 n-Butylbenzene
 Concen: 2.805 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. -0.27 min
 Lab File: VN063059.D
 Acq: 21 Aug 2020 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS038-200818

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.6#
134	0.0	12.4	37.0#

