

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063057.D
 Acq On : 21 Aug 2020 00:52
 Operator : JC/MD
 Sample : L3737-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS027-200818

Quant Time: Aug 21 06:40:52 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	144520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	235058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	235674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82227	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	93929	54.84	ug/l	0.00
Spiked Amount			Recovery	=	109.68%	
35) Dibromofluoromethane	7.55	113	81705	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
50) Toluene-d8	10.06	98	298622	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.38	95	96723	46.59	ug/l	0.00
Spiked Amount			Recovery	=	93.18%	

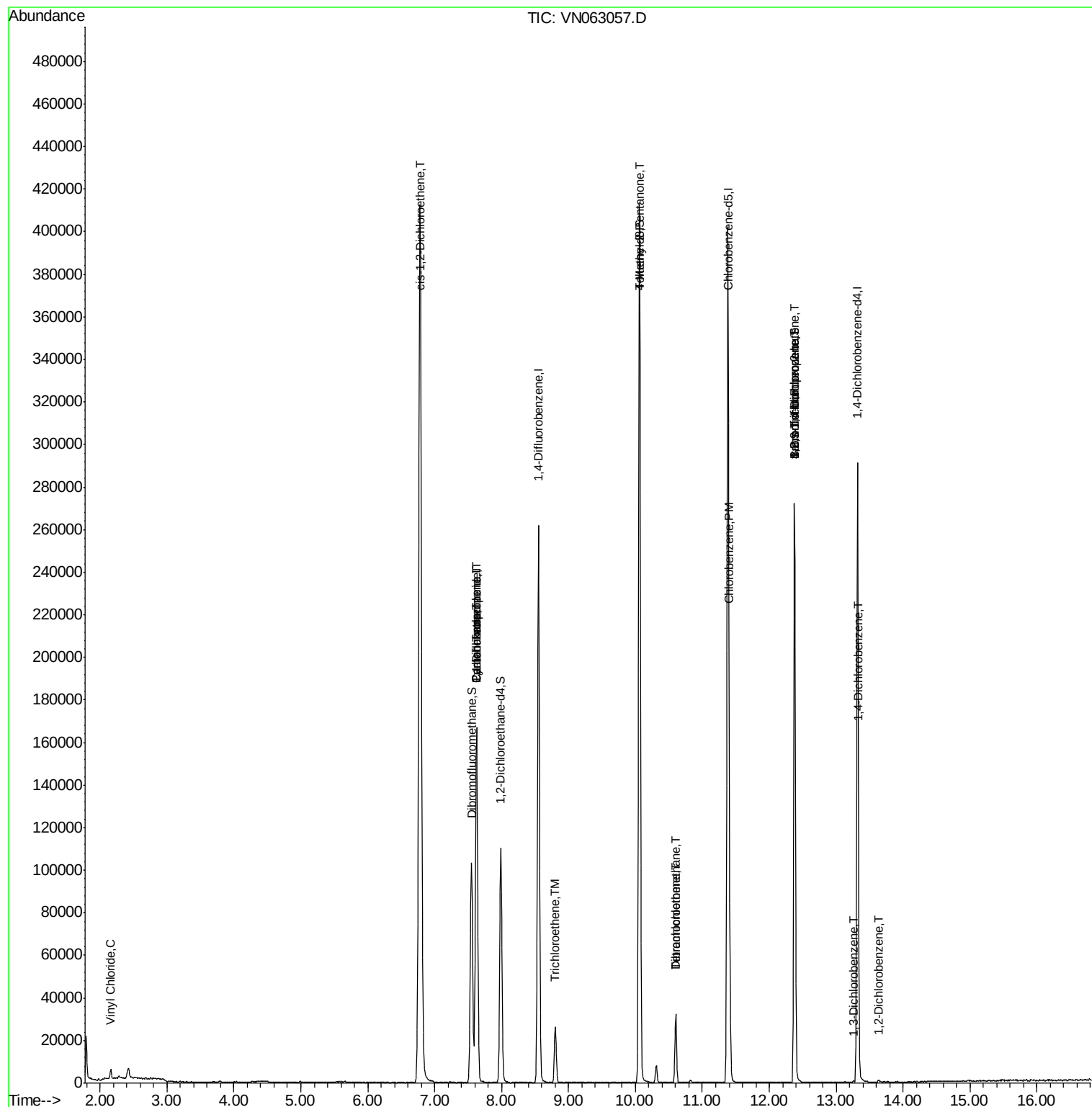
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	3694	1.928	ug/l	91
16) Acetone	3.79	43	1265	Below Cal		95
27) cis-1,2-Dichloroethene	6.78	96	283765	176.348	ug/l	91
31) Cyclohexane	7.63	56	2844	1.127	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10791	5.209	ug/l #	47
38) Carbon Tetrachloride	7.63	117	13113	6.270	ug/l #	17
44) Trichloroethene	8.80	130	10408	6.369	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	1189	0.585	ug/l #	1
60) Dibromochloromethane	10.60	129	7298	3.891	ug/l #	11
64) Tetrachloroethene	10.60	164	8636	5.575	ug/l	92
65) Chlorobenzene	11.41	112	36454	7.702	ug/l	99
71) Bromoform	12.37	173	1037	0.708	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47068	29.449	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	47068	80.879	ug/l #	15
87) 1,3-Dichlorobenzene	13.26	146	543	0.204	ug/l #	68
88) 1,4-Dichlorobenzene	13.34	146	1576	0.583	ug/l #	49
91) 1,2-Dichlorobenzene	13.63	146	718	0.279	ug/l #	75

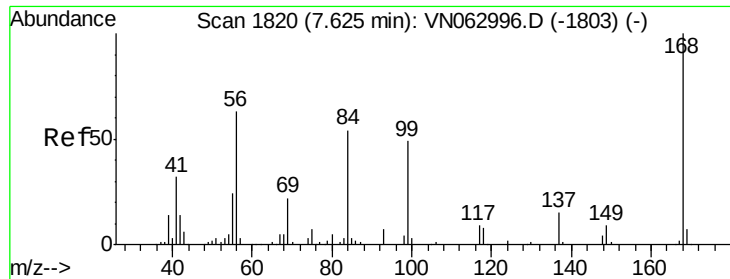
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082020\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

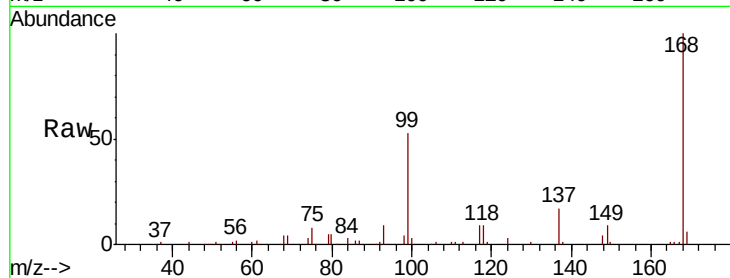
KY038PS027-200818

Tot Ion:168 Resp: 144520

Ion Ratio Lower Upper

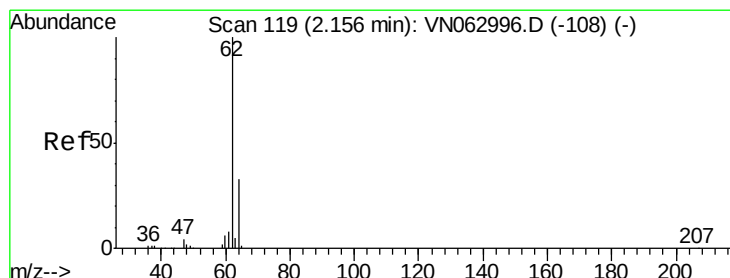
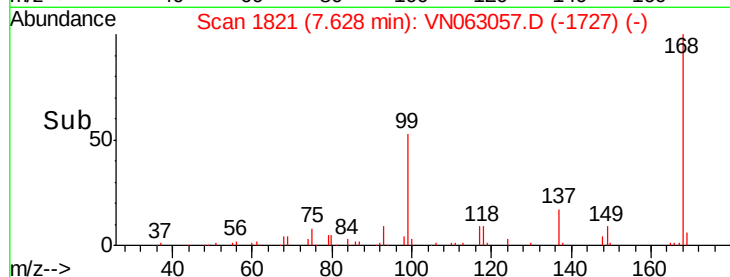
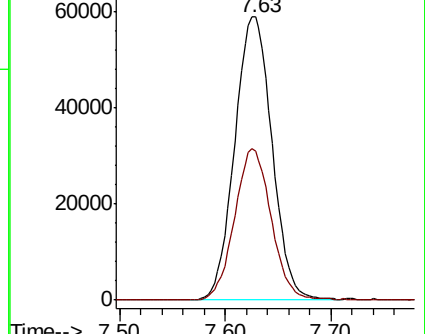
168 100

99 52.7 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 1.928 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN063057.D

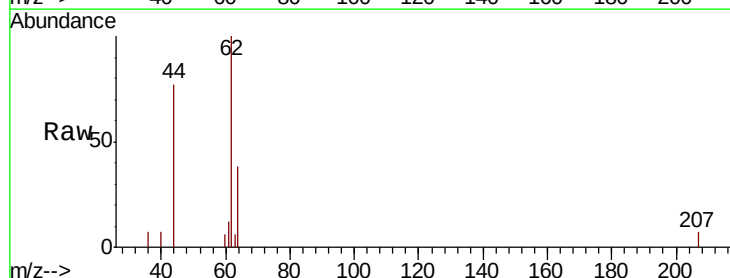
Acq: 21 Aug 2020 00:52

Tgt Ion: 62 Resp: 3694

Ion Ratio Lower Upper

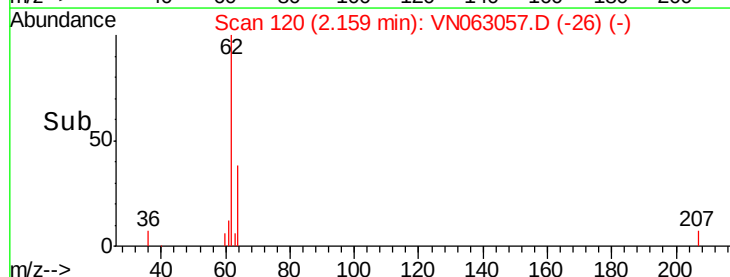
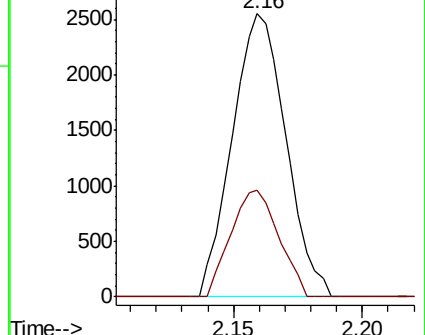
62 100

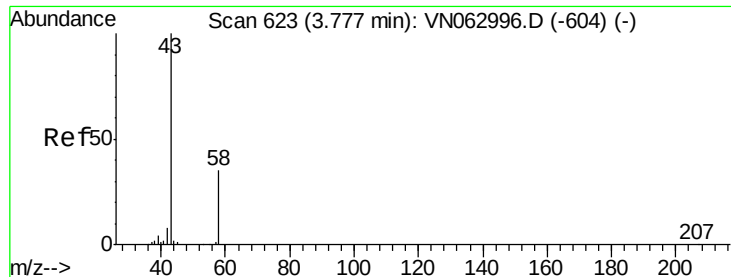
64 37.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

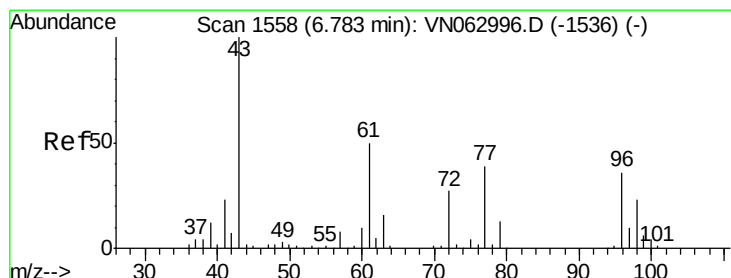
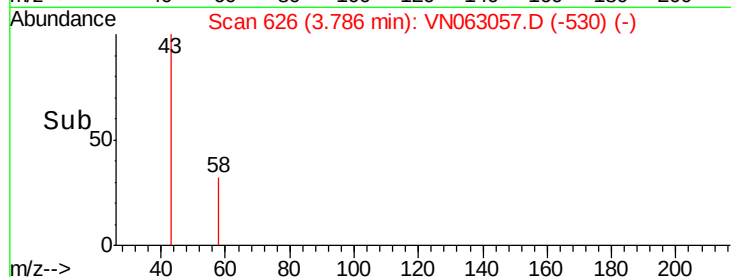
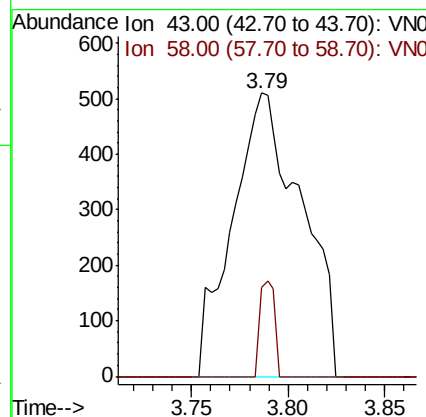
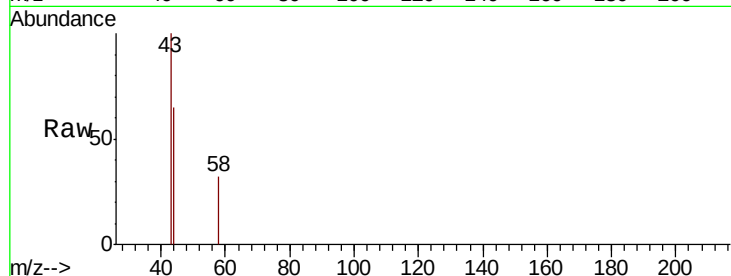
KY038PS027-200818

Tot Ion: 43 Resp: 1265

Ion Ratio Lower Upper

43 100

58 31.6 27.8 41.6



#27

cis-1,2-Dichloroethene

Concen: 176.348 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

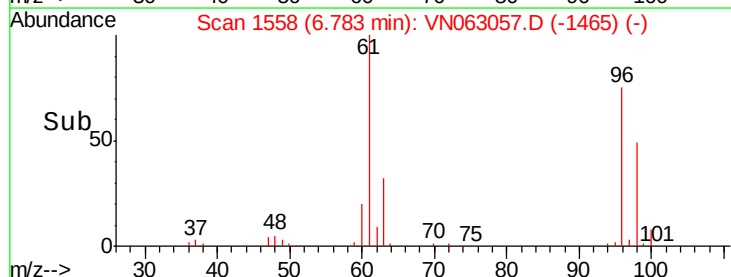
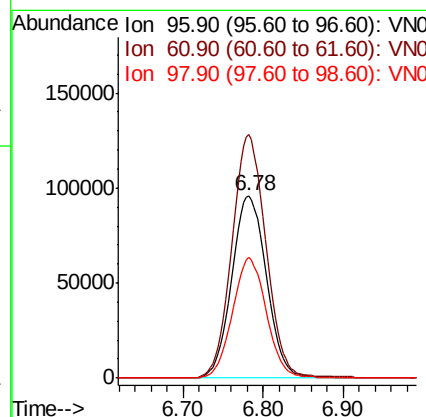
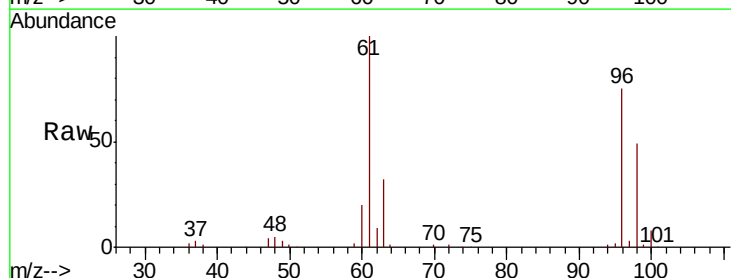
Tgt Ion: 96 Resp: 283765

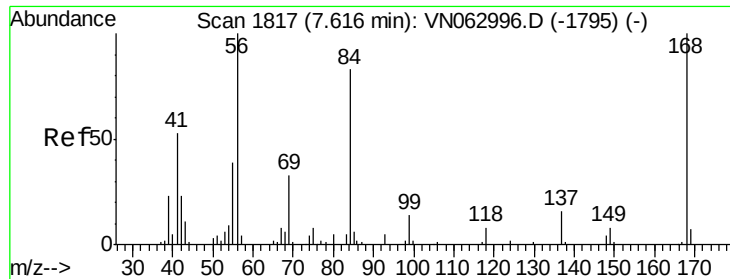
Ion Ratio Lower Upper

96 100

61 131.0 0.0 292.8

98 64.4 0.0 130.6

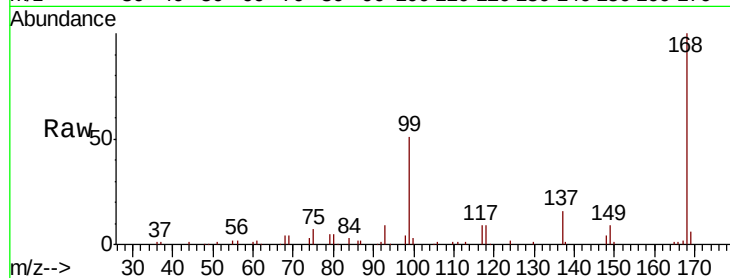




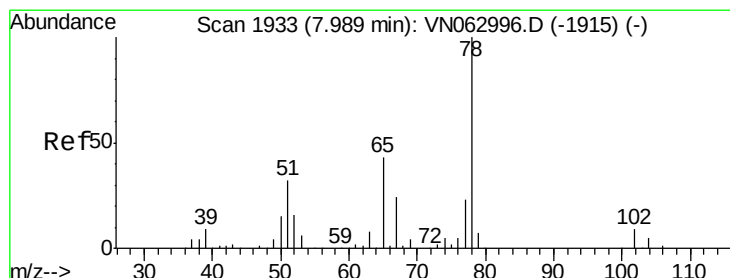
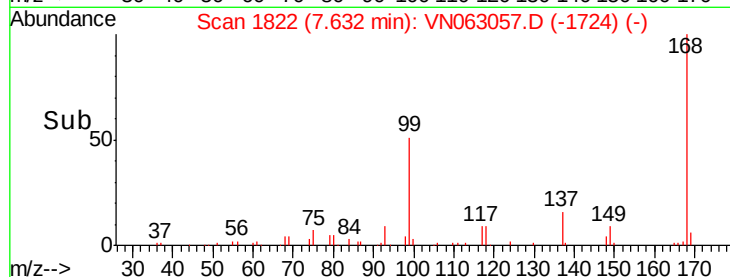
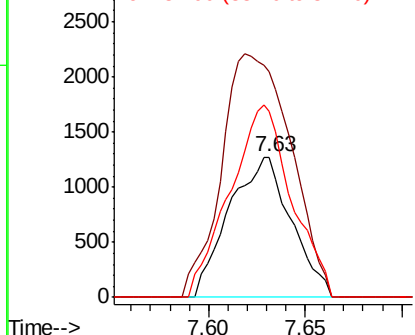
#31
Cyclohexane
Concen: 1.127 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.02 min
Lab File: VN063057.D
Acq: 21 Aug 2020 00:52

Instrument :
MSVOA_N
ClientSampleId :
KY038PS027-200818

Tot Ion: 56 Resp: 2844
Ion Ratio Lower Upper
56 100
69 160.4 26.6 40.0#
84 132.4 66.4 99.6#

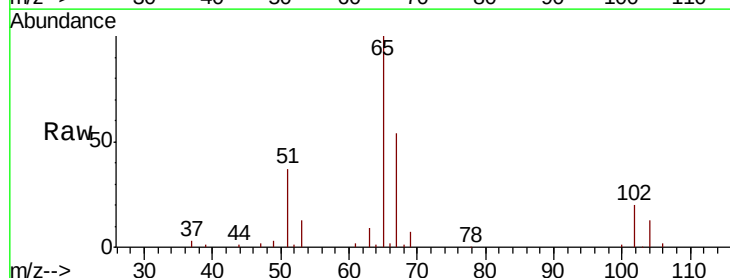


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

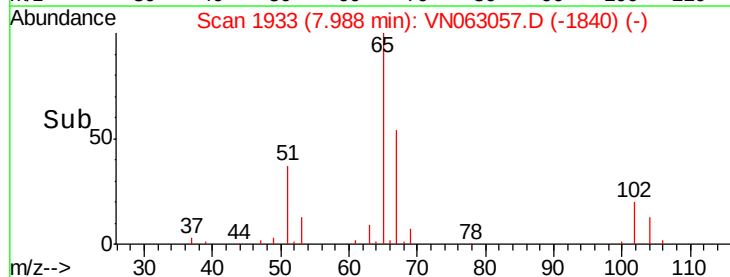
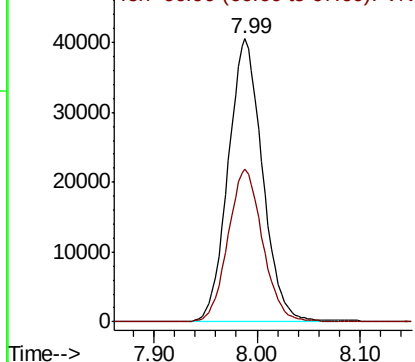


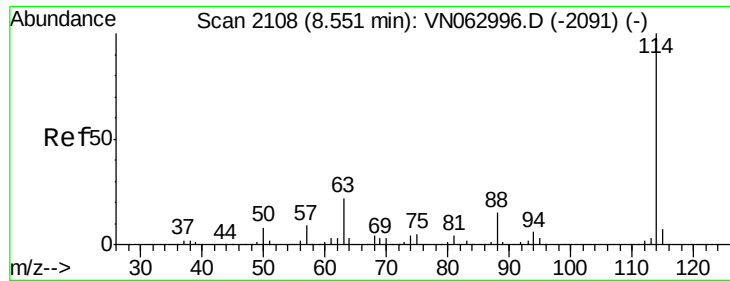
#33
1,2-Dichloroethane-d4
Concen: 54.838 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN063057.D
Acq: 21 Aug 2020 00:52

Tgt Ion: 65 Resp: 93929
Ion Ratio Lower Upper
65 100
67 54.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

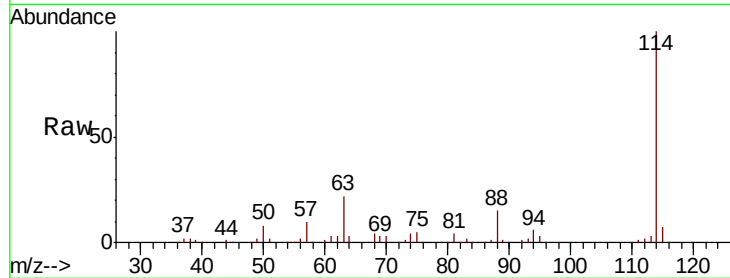




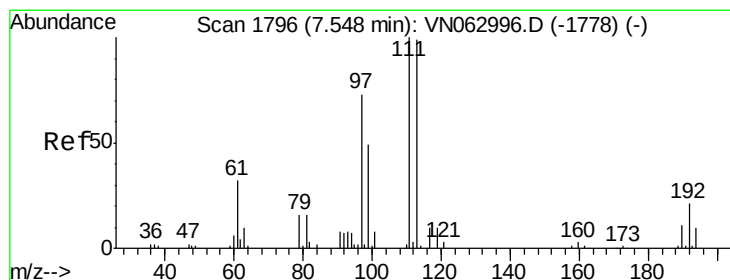
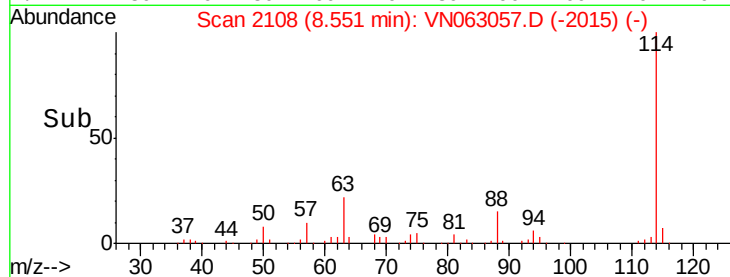
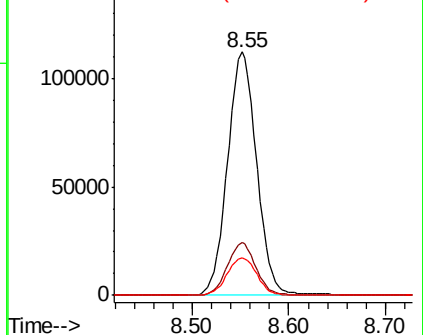
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN063057.D
 Acq: 21 Aug 2020 00:52

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS027-200818

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	15.3	0.0	30.6

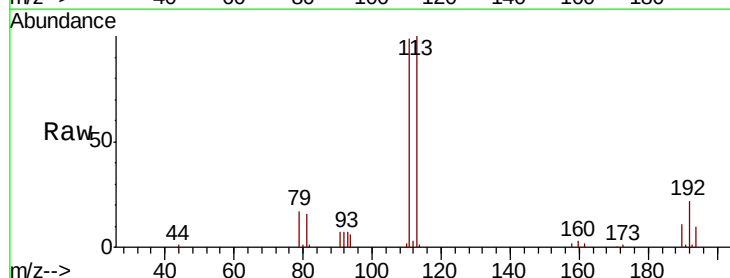


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

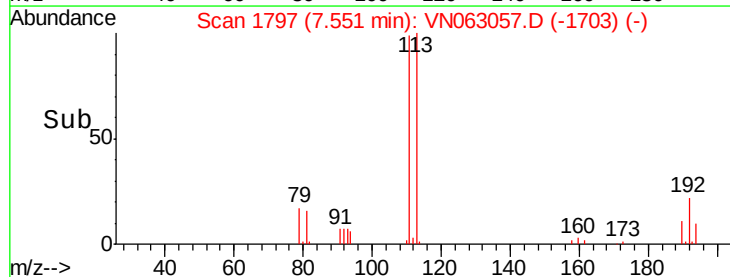
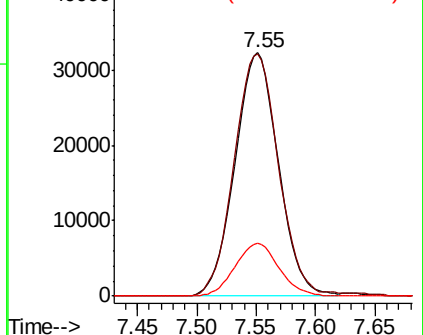


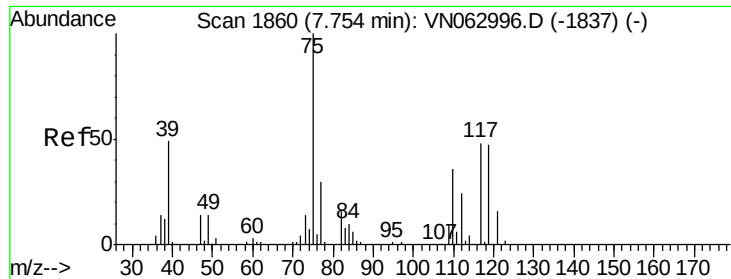
#35
 Dibromofluoromethane
 Concen: 53.345 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063057.D
 Acq: 21 Aug 2020 00:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.7	122.5
192	21.9	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: 5.209 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200818

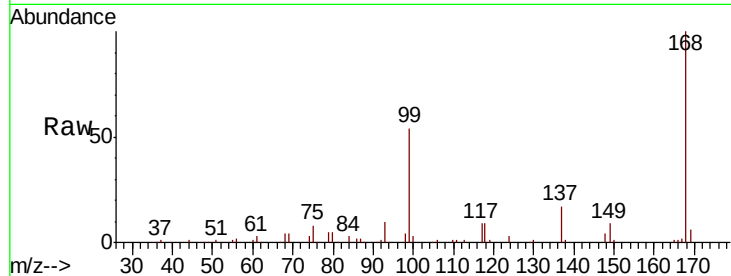
Tot Ion: 75 Resp: 10791

Ion Ratio Lower Upper

75 100

110 5.9 17.5 52.6#

77 0.0 24.2 36.4#

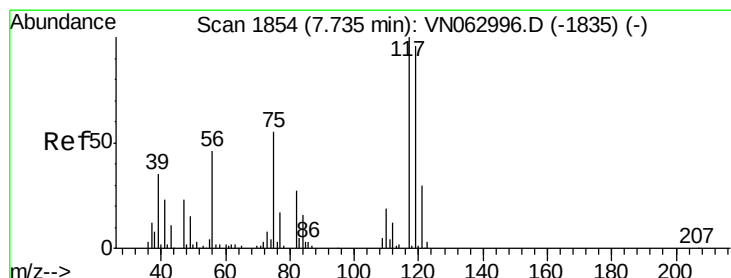
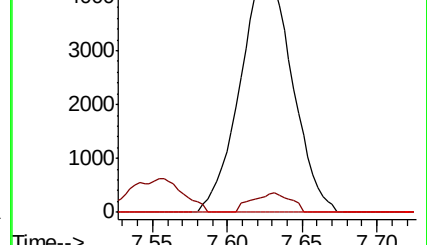
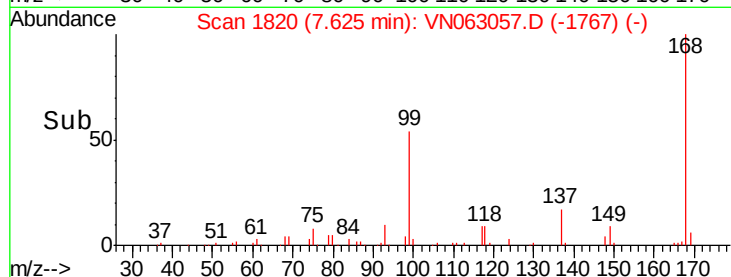


Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-1837) (-)

Ion 109.90 (109.60 to 110.60): VN062996.D (-1837) (-)

Ion 76.90 (76.60 to 77.60): VN062996.D (-1837) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.270 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.11 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

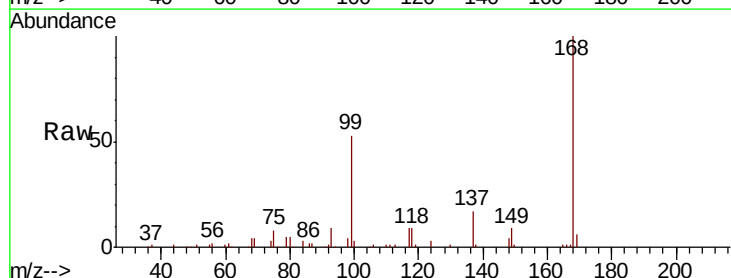
Tgt Ion: 117 Resp: 13113

Ion Ratio Lower Upper

117 100

119 5.9 76.2 114.4#

121 0.0 24.2 36.2#

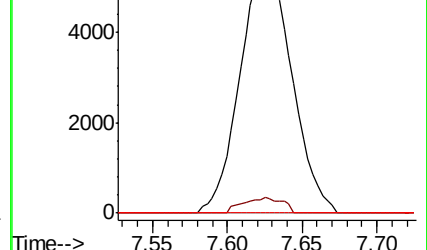
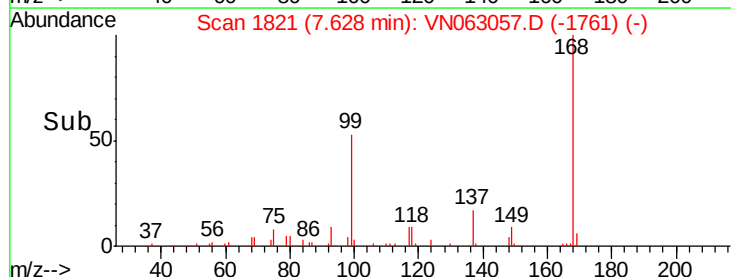


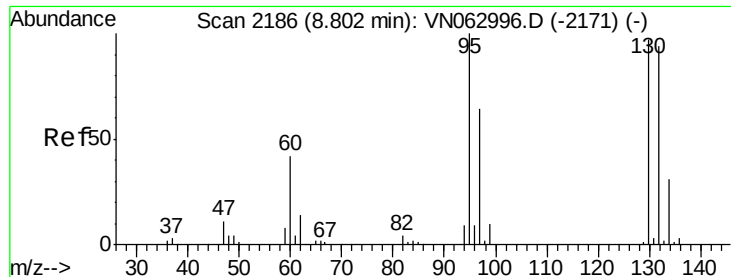
Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062996.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062996.D (-1835) (-)

Time-->





#44

Trichloroethene

Concen: 6.369 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

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ClientSampleId :

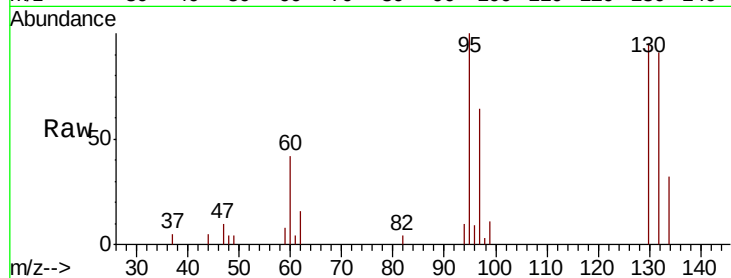
KY038PS027-200818

Tot Ion:130 Resp: 10408

Ion Ratio Lower Upper

130 100

95 105.3 0.0 205.6

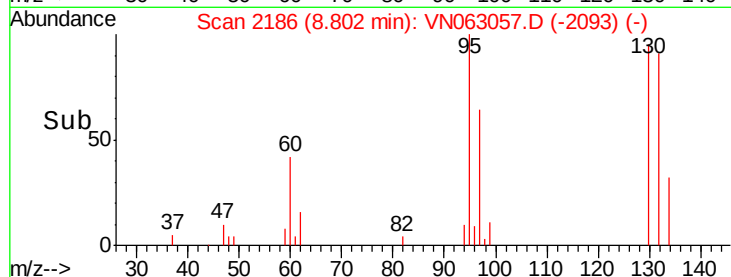


Abundance Ion 129.80 (129.50 to 130.50): VN062996.D (-2171) (-)

Ion 94.90 (94.60 to 95.60): VN062996.D (-2171) (-)

8.80

Time-->

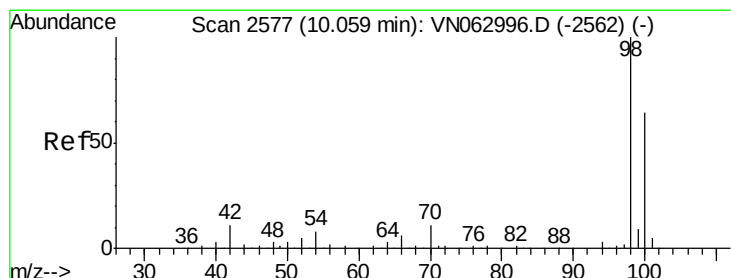


Abundance Ion 129.80 (129.50 to 130.50): VN063057.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN063057.D (-2093) (-)

8.80

Time-->



#50

Toluene-d8

Concen: 50.760 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063057.D

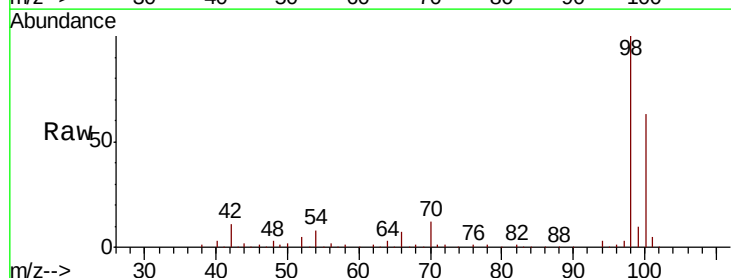
Acq: 21 Aug 2020 00:52

Tgt Ion: 98 Resp: 298622

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8

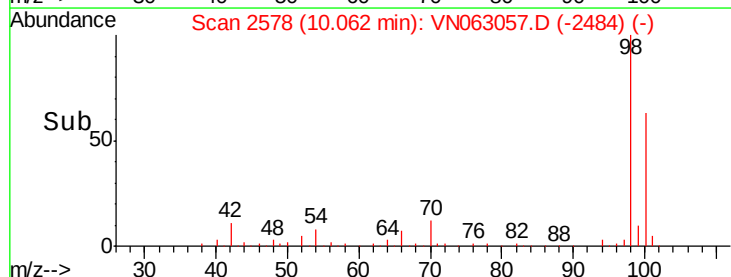


Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

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

10.06

Time-->

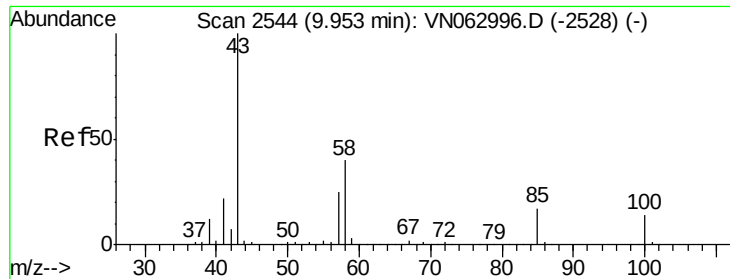


Abundance Ion 98.00 (97.70 to 98.70): VN063057.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN063057.D (-2484) (-)

10.06

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.585 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

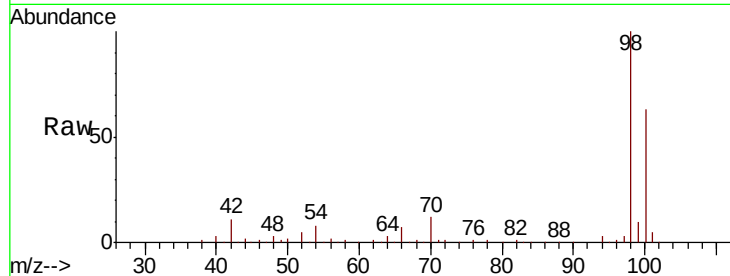
KY038PS027-200818

Tot Ion: 43 Resp: 1189

Ion Ratio Lower Upper

43 100

58 196.5 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) (-)

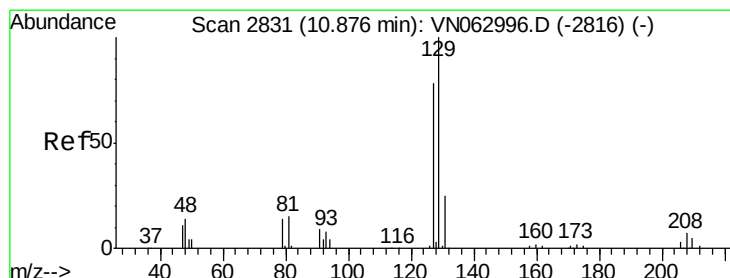
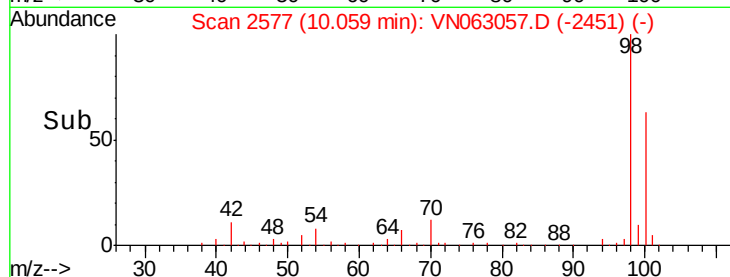
10.06

1000

500

0

Time-->



#60

Dibromochloromethane

Concen: 3.891 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN063057.D

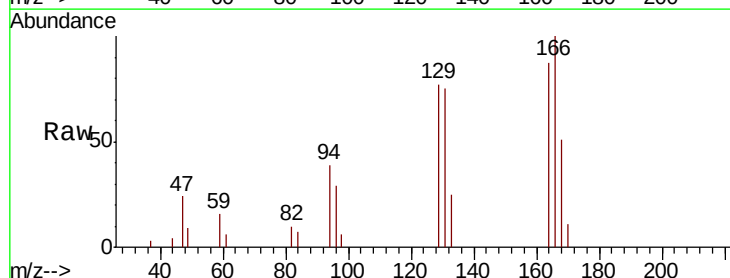
Acq: 21 Aug 2020 00:52

Tgt Ion: 129 Resp: 7298

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): VN062996.D (-2816) (-)

Ion 126.80 (126.50 to 127.50): VN062996.D (-2816) (-)

10.60

5000

4000

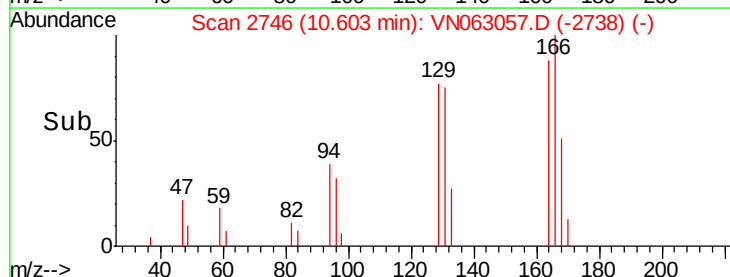
3000

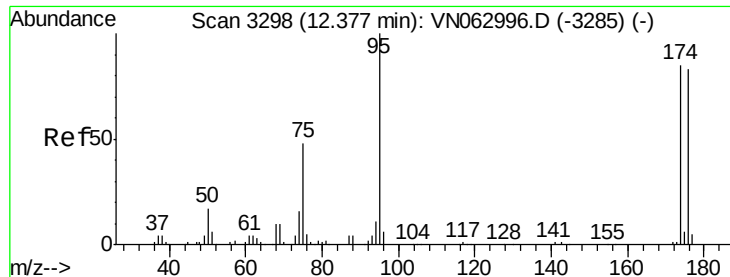
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.590 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200818

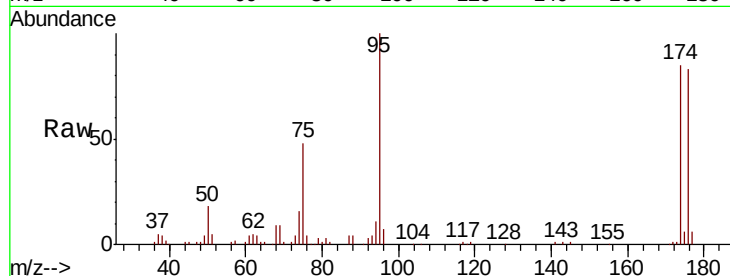
Tot Ion: 95 Resp: 96723

Ion Ratio Lower Upper

95 100

174 86.4 0.0 170.8

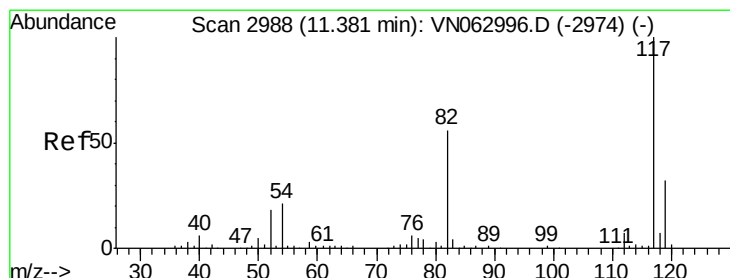
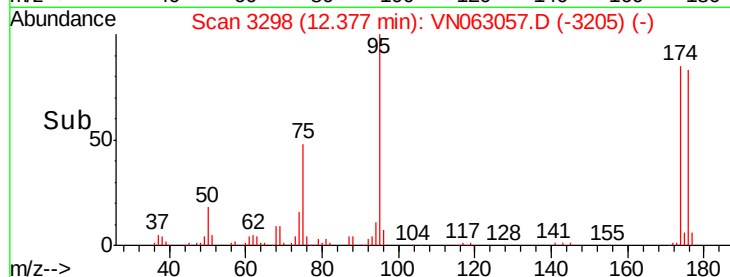
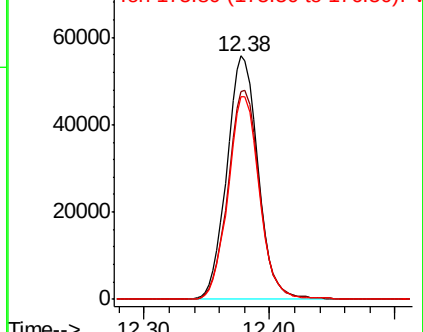
176 82.7 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)

Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

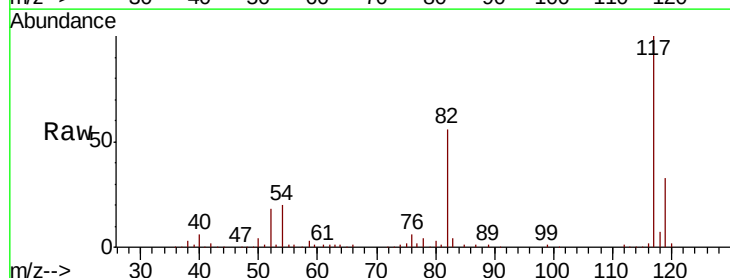
Tgt Ion: 117 Resp: 235674

Ion Ratio Lower Upper

117 100

82 55.9 44.5 66.7

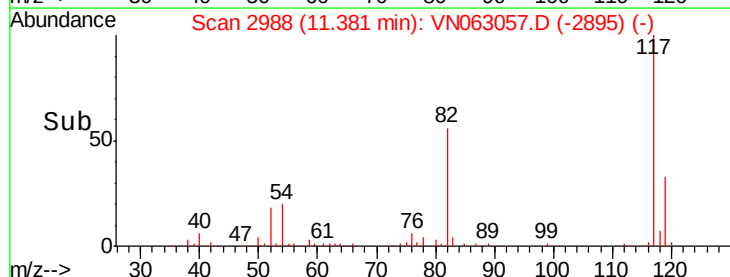
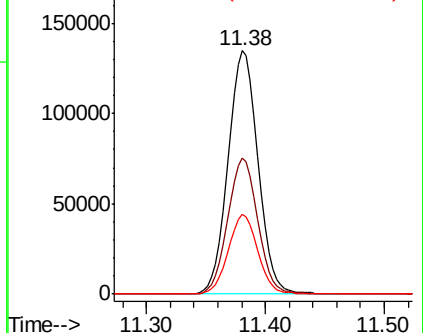
119 32.6 25.5 38.3

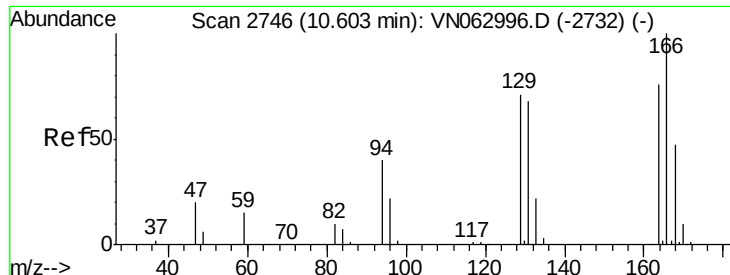


Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)

Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)

Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)





#64

Tetrachloroethene

Concen: 5.575 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200818

Tot Ion:164 Resp: 8636

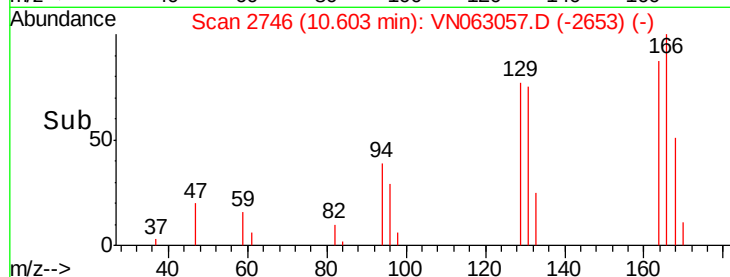
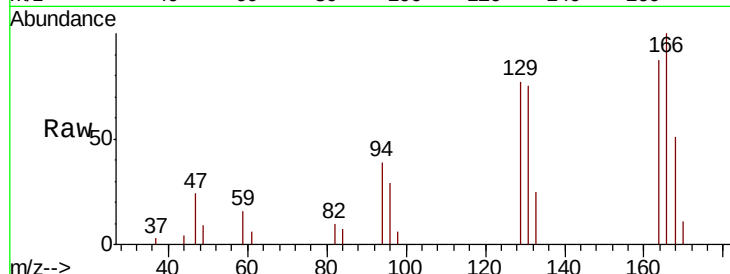
Ion Ratio Lower Upper

164 100

166 115.5 105.0 157.6

129 88.5 74.7 112.1

131 86.2 71.0 106.4

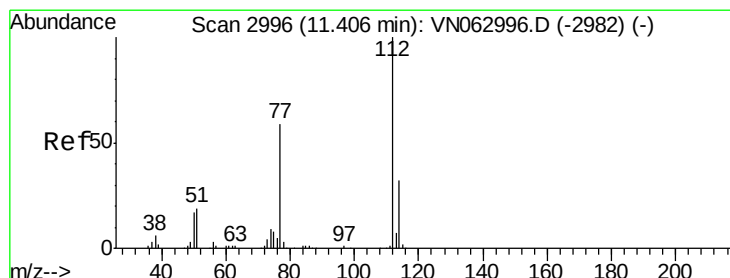
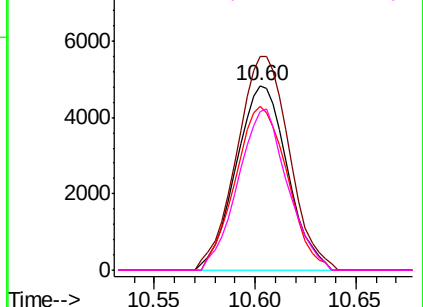


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 7.702 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN063057.D

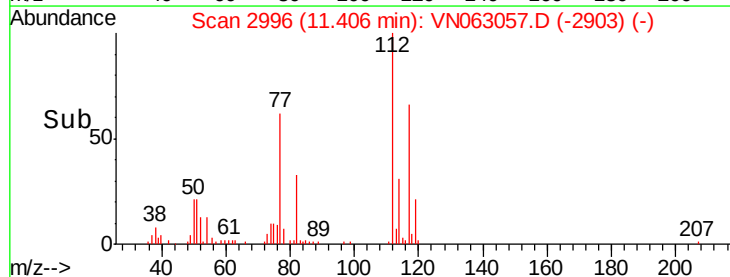
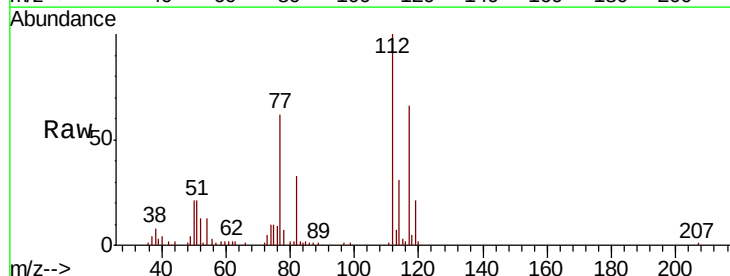
Acq: 21 Aug 2020 00:52

Tgt Ion:112 Resp: 36454

Ion Ratio Lower Upper

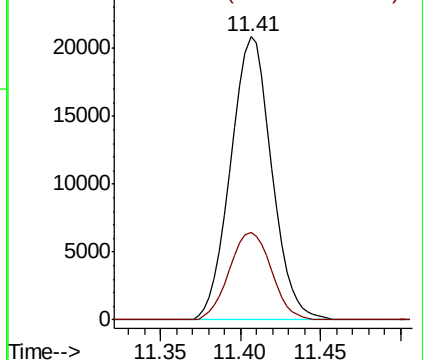
112 100

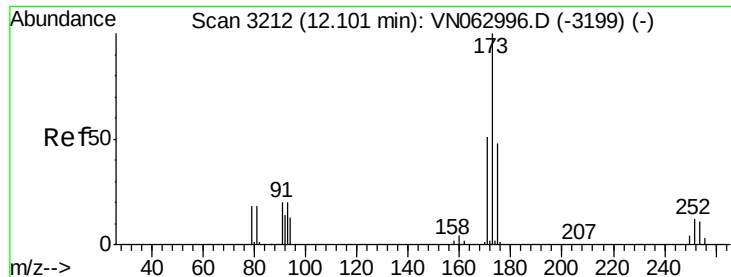
114 30.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.708 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200818

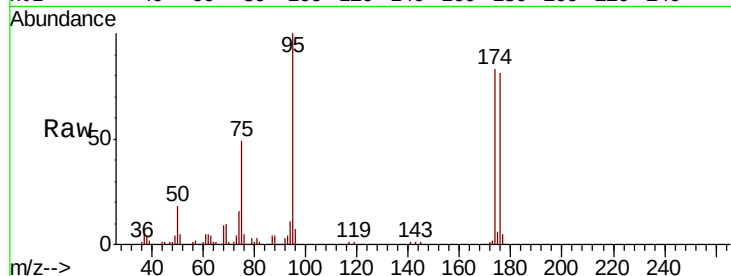
Tot Ion:173 Resp: 1037

Ion Ratio Lower Upper

173 100

175 454.1 24.3 72.8#

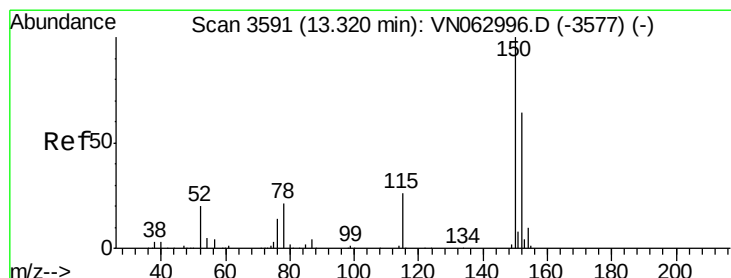
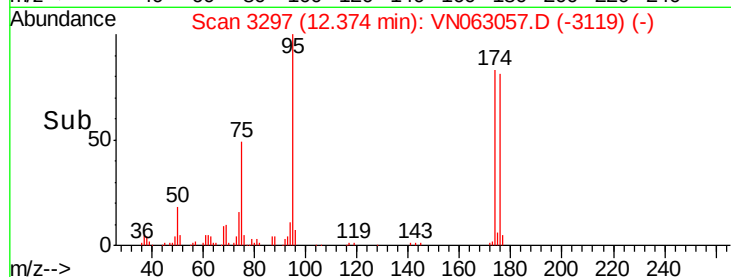
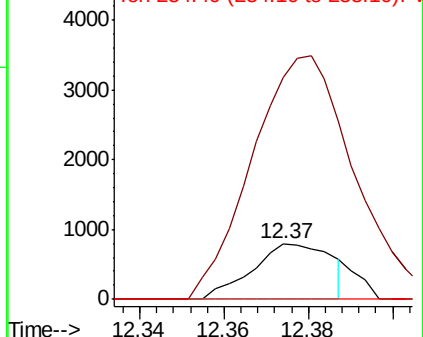
254 0.0 0.0 0.0



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: VN063057.D

Acq: 21 Aug 2020 00:52

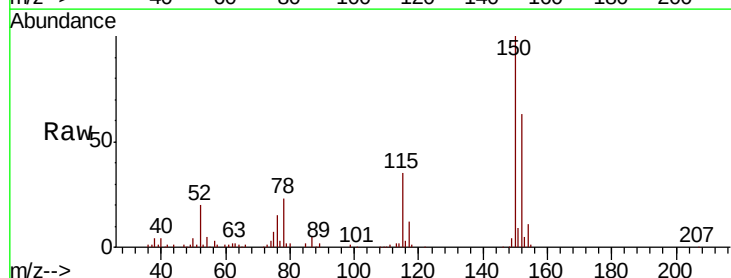
Tgt Ion:152 Resp: 82227

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.3

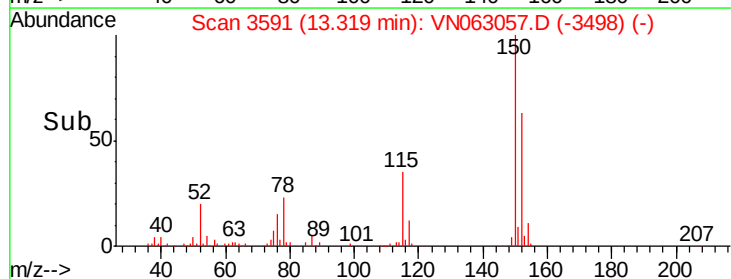
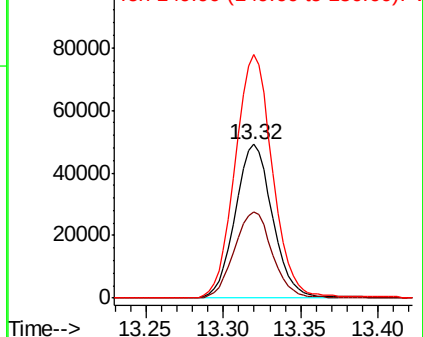
150 160.2 0.0 348.8

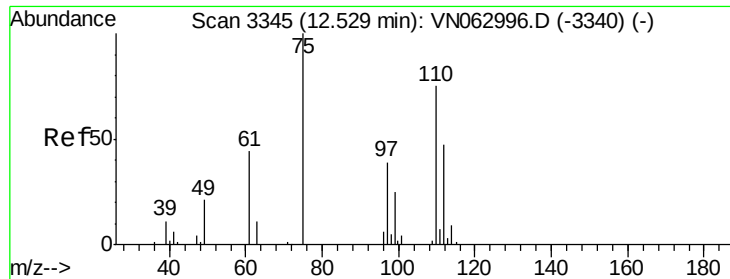


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.449 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

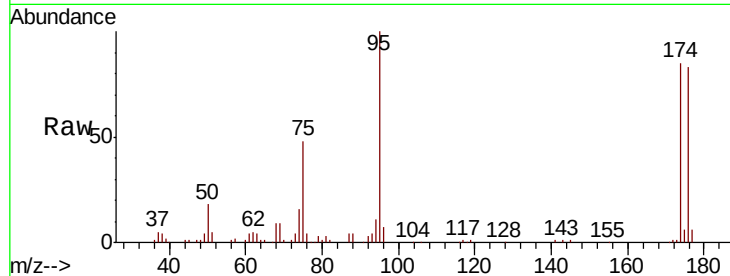
KY038PS027-200818

Tot Ion: 75 Resp: 47068

Ion Ratio Lower Upper

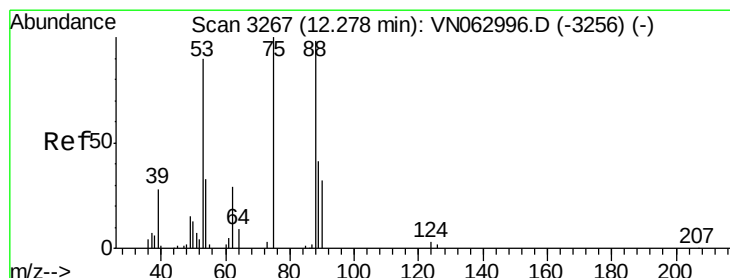
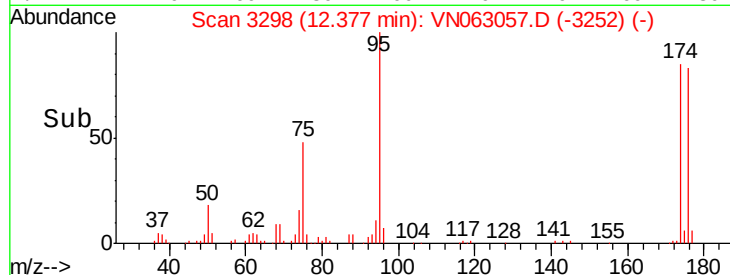
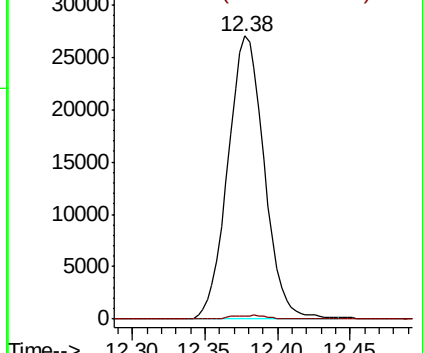
75 100

77 0.7 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: 80.879 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063057.D

Acq: 21 Aug 2020 00:52

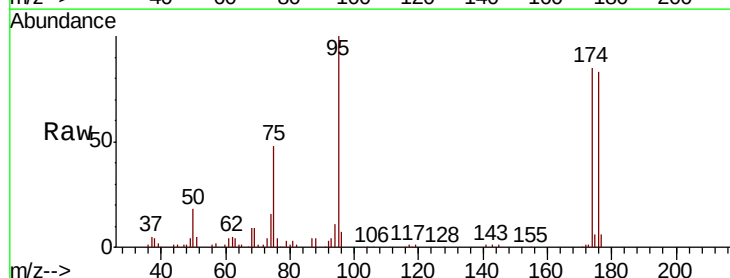
Tgt Ion: 75 Resp: 47068

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

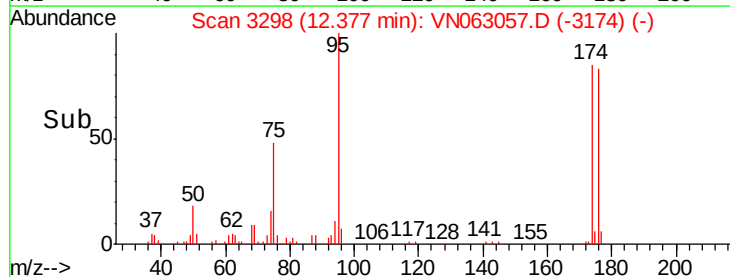
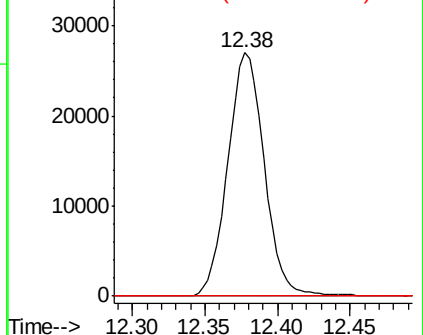
89 0.0 34.2 51.4#

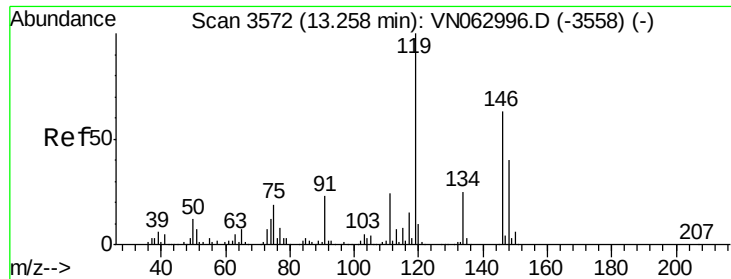


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

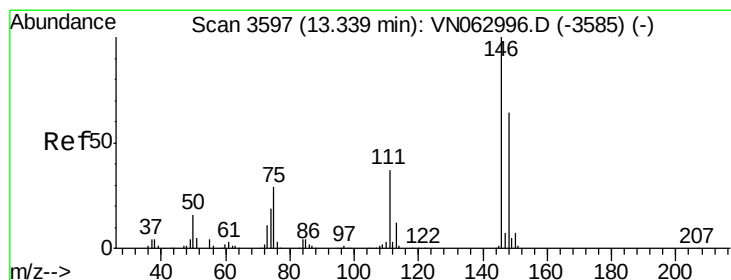
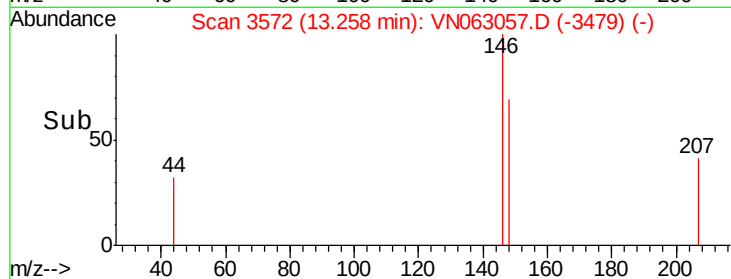
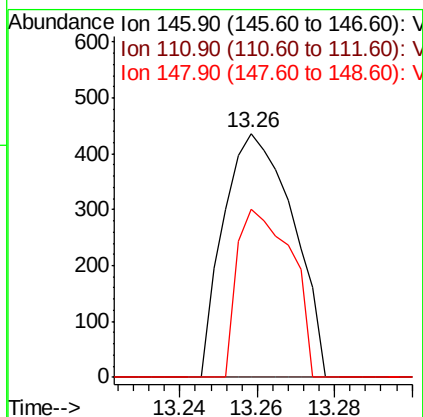
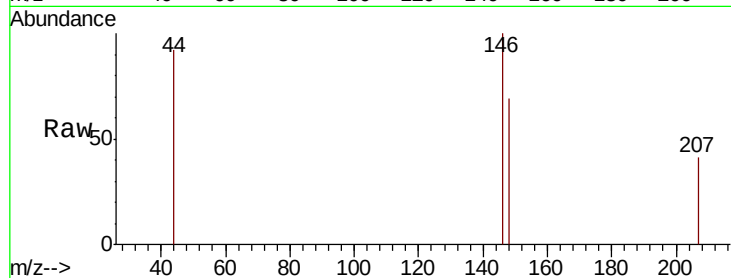




#87
 1,3-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063057.D
 Acq: 21 Aug 2020 00:52

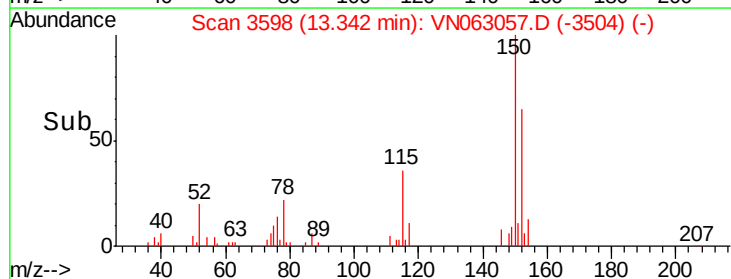
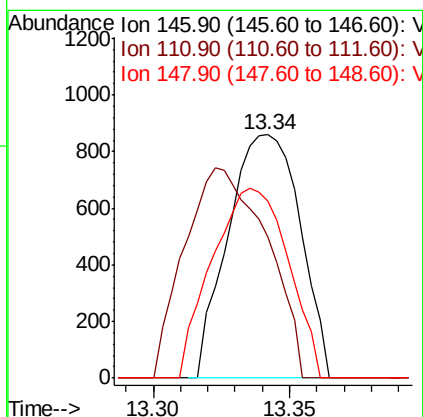
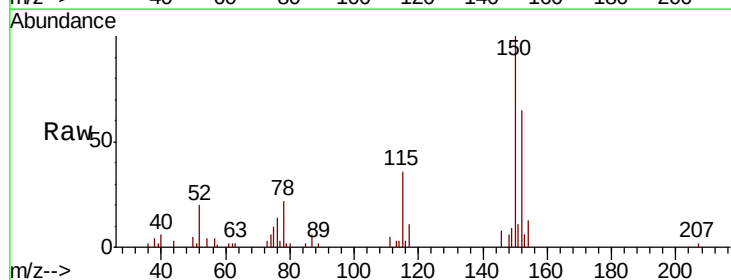
Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS027-200818

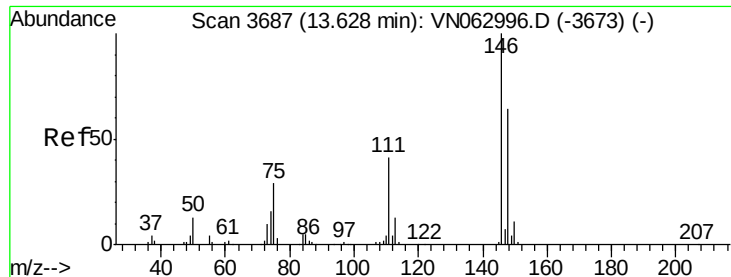
Tot Ion:146 Resp: 543
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.4 58.1#
 148 53.4 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 0.583 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN063057.D
 Acq: 21 Aug 2020 00:52

Tgt Ion:146 Resp: 1576
 Ion Ratio Lower Upper
 146 100
 111 98.6 18.8 56.4#
 148 82.2 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 0.279 ug/l

RT: 13.63 min Scan# 3689

Delta R.T. 0.01 min

Lab File: VN063057.D

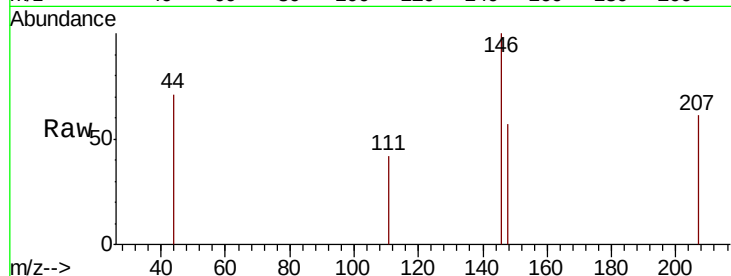
Acq: 21 Aug 2020 00:52

Instrument :

MSVOA_N

ClientSampleId :

KY038PS027-200818



Tot Ion:	146	Resp:	718
Ion	Ratio	Lower	Upper
146	100		
111	19.4	20.2	60.5#
148	47.9	31.9	95.5

