

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063058.D
 Acq On : 21 Aug 2020 1:16
 Operator : JC/MD
 Sample : L3737-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS037-200818

Quant Time: Aug 21 06:41:06 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	142756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	237095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	243762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	86447	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	95906	56.68	ug/l	0.00
Spiked Amount			Recovery	=	113.36%	
35) Dibromofluoromethane	7.55	113	83867	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
50) Toluene-d8	10.06	98	305679	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
62) 4-Bromofluorobenzene	12.38	95	98137	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

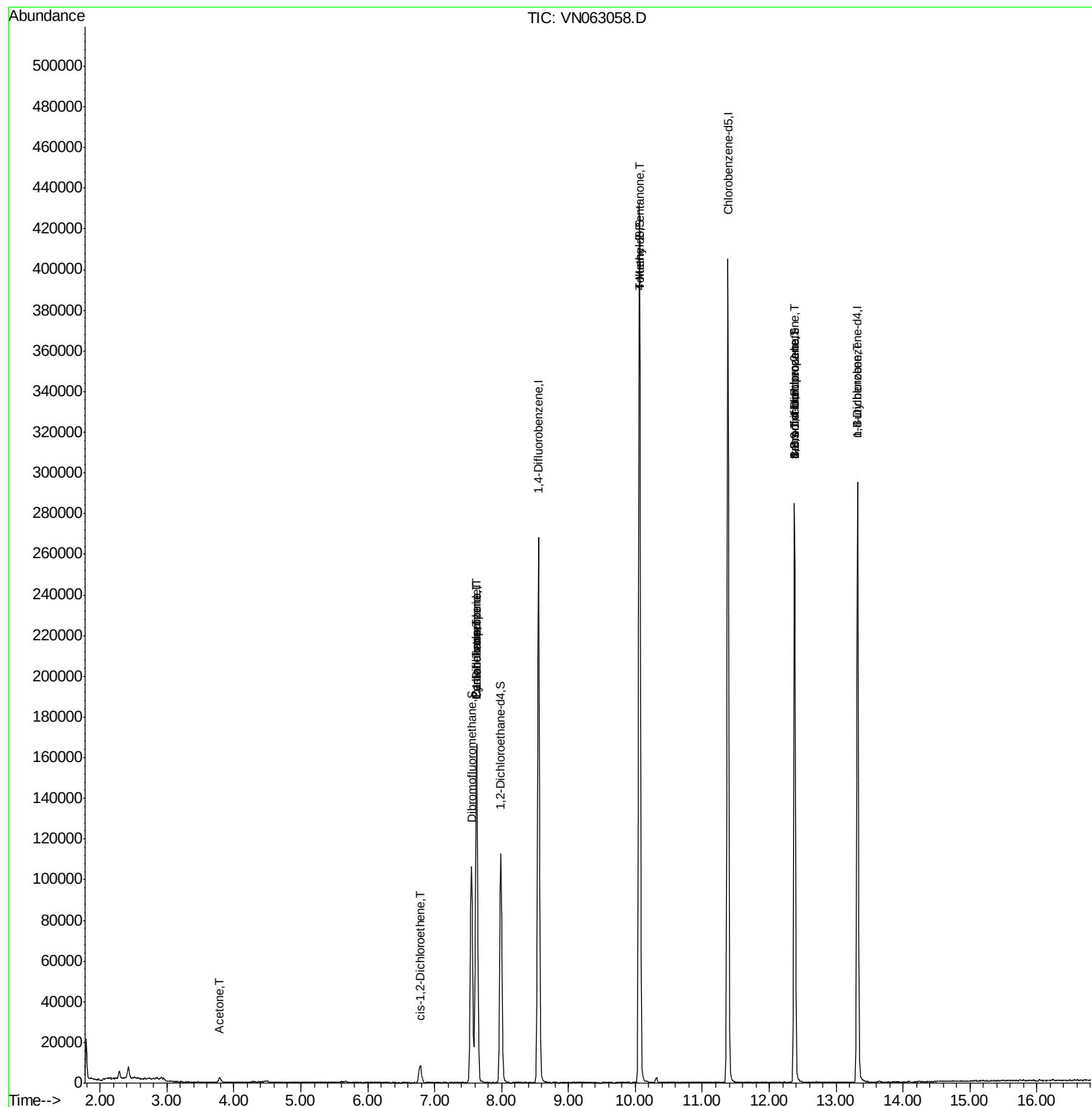
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	4369	4.428	ug/l	99
20) Methylene Chloride	4.51	84	94	Below Cal	#	66
27) cis-1,2-Dichloroethene	6.79	96	6380	4.014	ug/l	87
31) Cyclohexane	7.63	56	2805	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10385	4.970	ug/l #	49
38) Carbon Tetrachloride	7.63	117	12454	5.904	ug/l #	18
51) 4-Methyl-2-Pentanone	10.06	43	1183	0.577	ug/l #	1
71) Bromoform	12.38	173	776	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	48471	28.846	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	48471	79.224	ug/l #	15
89) n-Butylbenzene	13.32	91	31	2.777	ug/l #	34

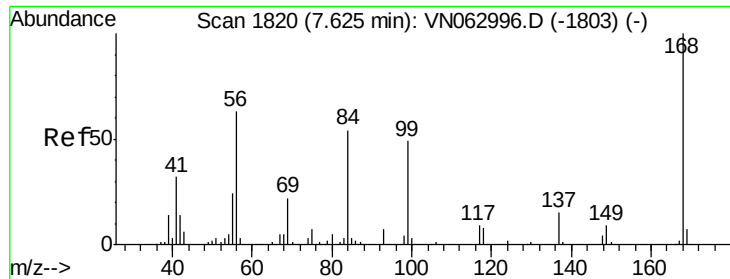
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063058.D

Acq: 21 Aug 2020 1:16

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MSVOA_N

ClientSampleId :

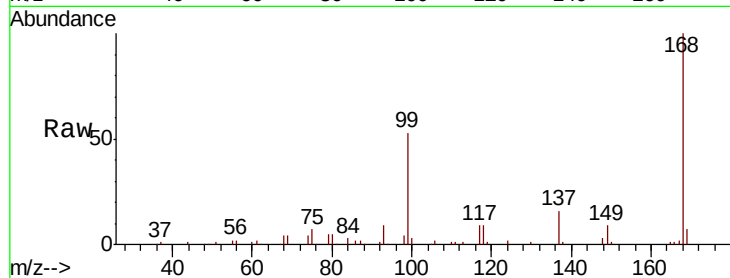
KY038PS037-200818

Tot Ion:168 Resp: 142756

Ion Ratio Lower Upper

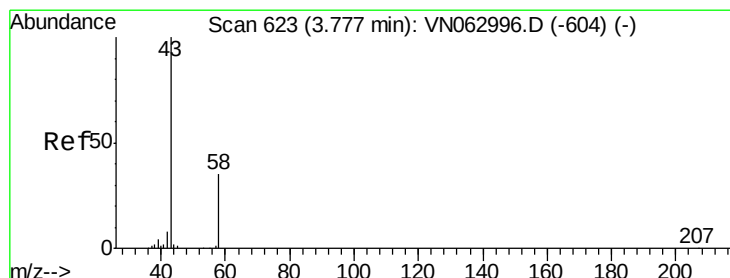
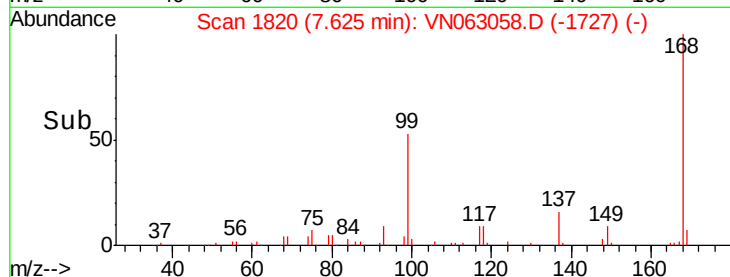
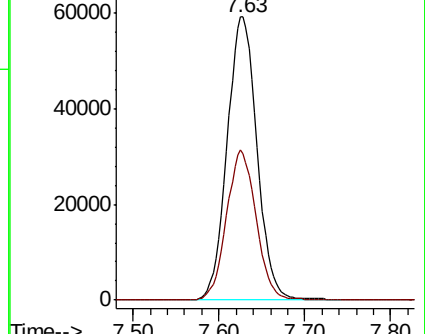
168 100

99 53.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 4.428 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN063058.D

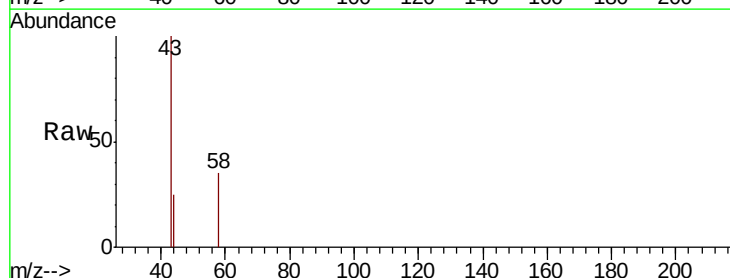
Acq: 21 Aug 2020 1:16

Tgt Ion: 43 Resp: 4369

Ion Ratio Lower Upper

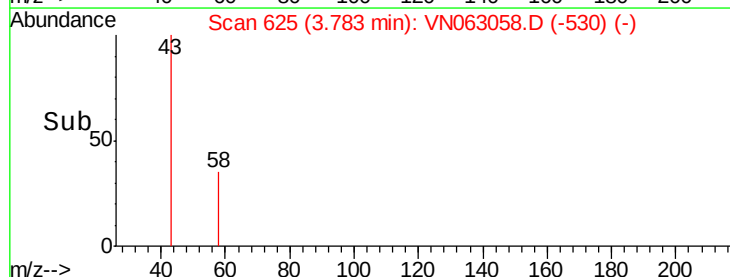
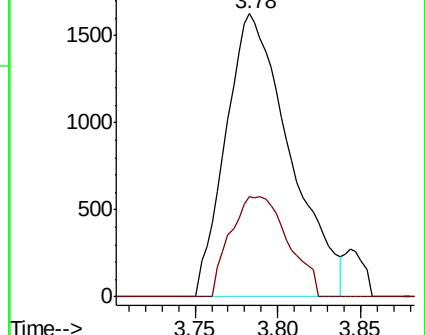
43 100

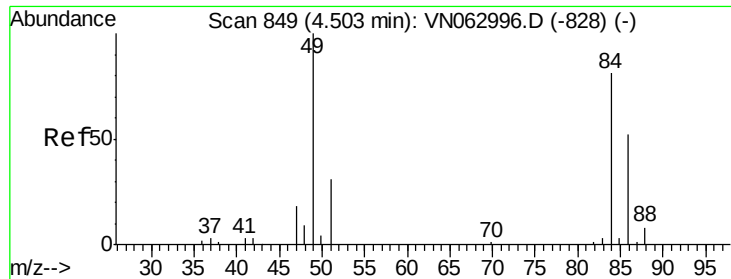
58 35.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

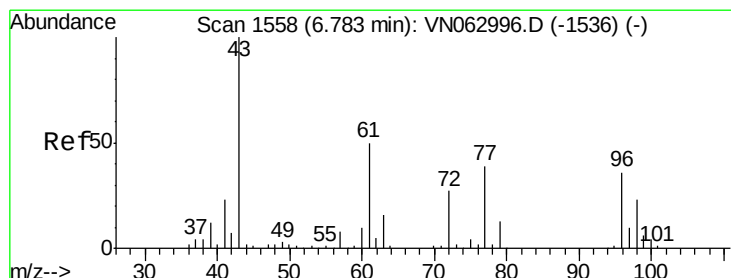
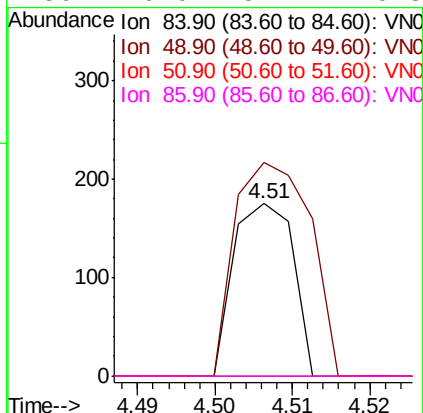
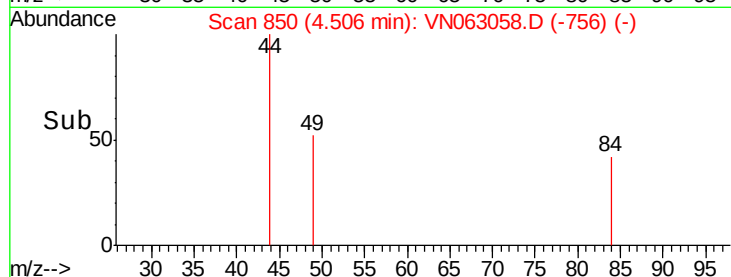
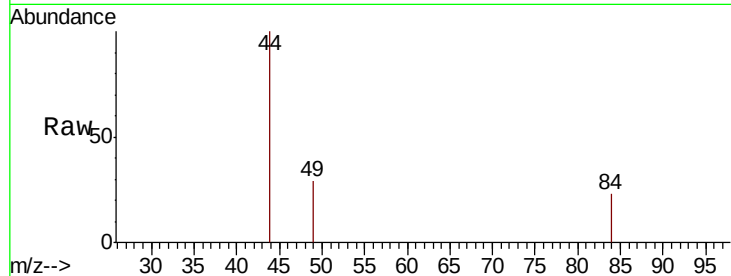




#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN063058.D
Acq: 21 Aug 2020 1:16

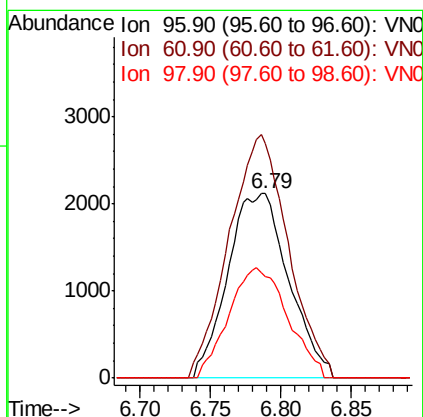
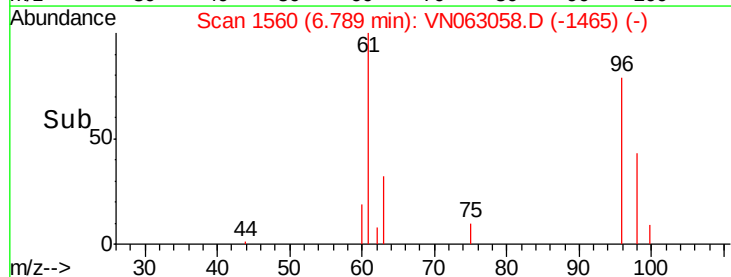
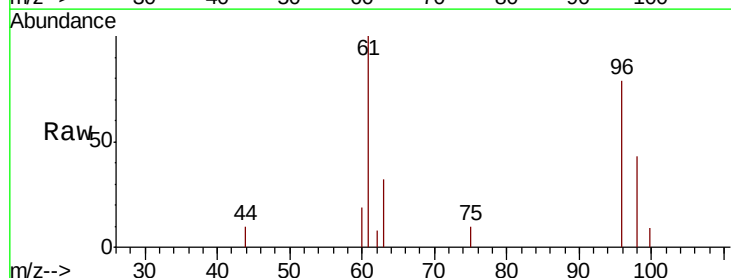
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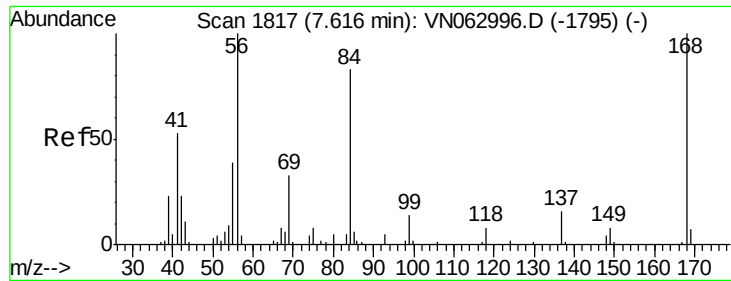
Tot Ion: 84 Resp: 94
Ion Ratio Lower Upper
84 100
49 124.0 98.7 148.1
51 0.0 30.8 46.2#
86 0.0 51.2 76.8#



#27
cis-1,2-Dichloroethene
Concen: 4.014 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN063058.D
Acq: 21 Aug 2020 1:16

Tgt Ion: 96 Resp: 6380
Ion Ratio Lower Upper
96 100
61 128.3 0.0 292.8
98 57.8 0.0 130.6

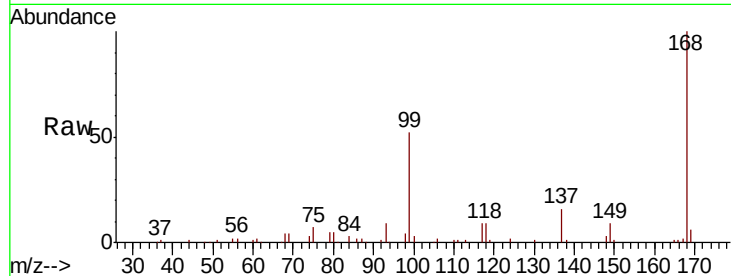




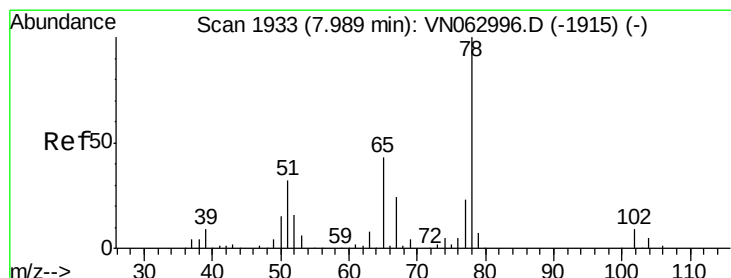
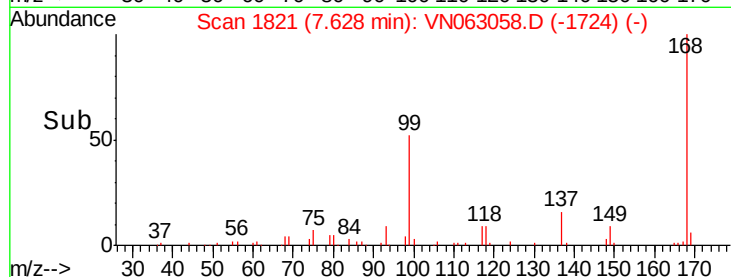
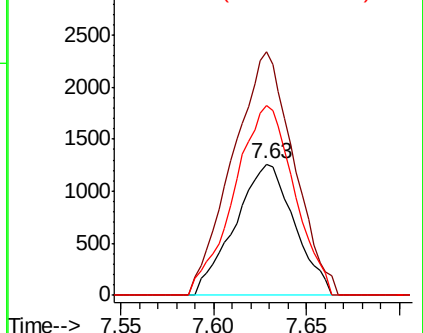
#31
Cyclohexane
Concen: 1.125 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.01 min
Lab File: VN063058.D
Acq: 21 Aug 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
KY038PS037-200818

Tot Ion: 56 Resp: 2805
Ion Ratio Lower Upper
56 100
69 185.2 26.6 40.0#
84 144.0 66.4 99.6#

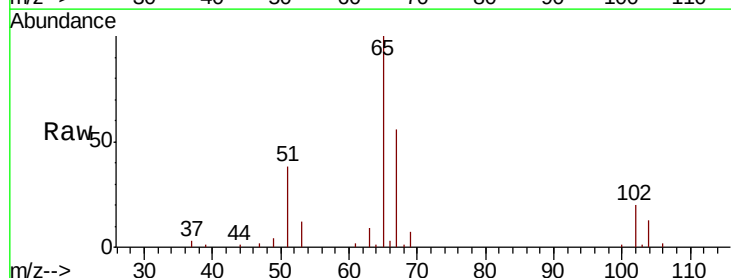


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

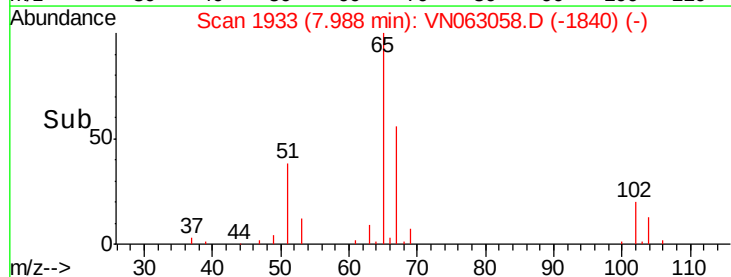
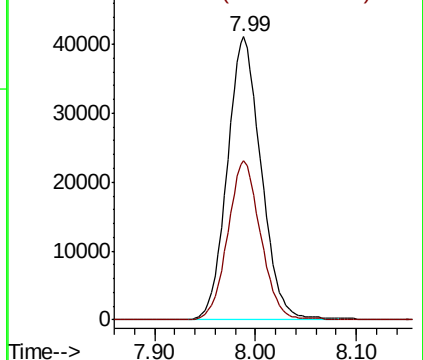


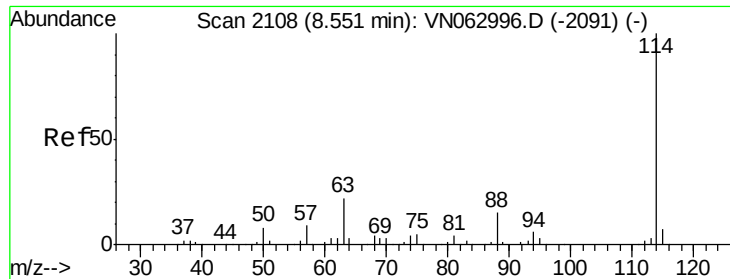
#33
1,2-Dichloroethane-d4
Concen: 56.685 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN063058.D
Acq: 21 Aug 2020 1:16

Tgt Ion: 65 Resp: 95906
Ion Ratio Lower Upper
65 100
67 54.7 0.0 112.0



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

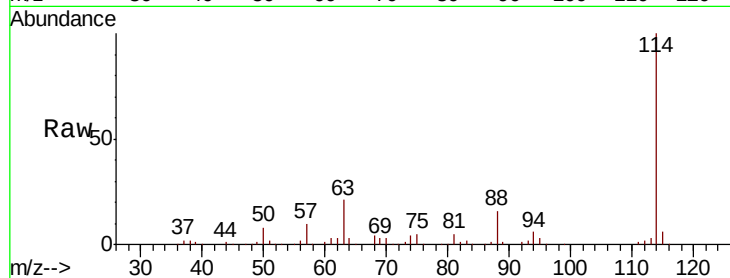




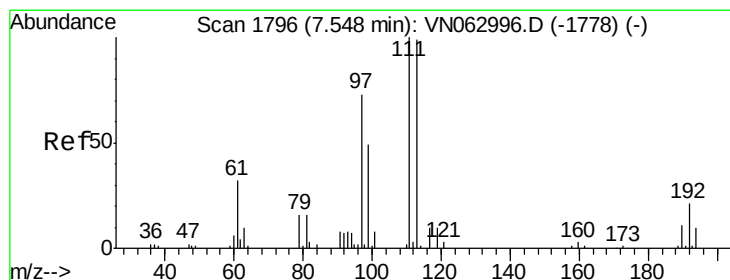
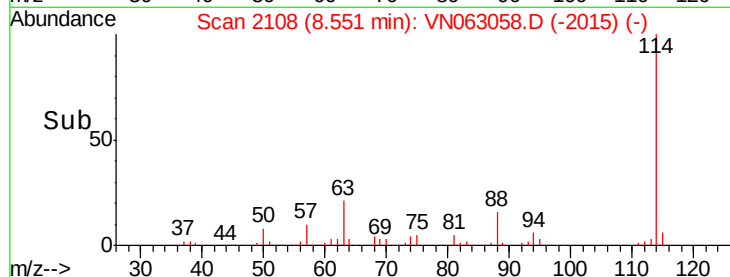
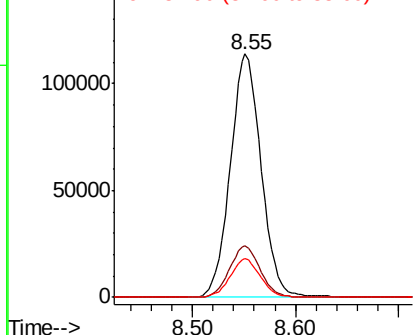
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN063058.D
Acq: 21 Aug 2020 1:16

Instrument :
MSVOA_N
ClientSampleId :
KY038PS037-200818

Tot Ion:114 Resp: 237095
Ion Ratio Lower Upper
114 100
63 21.1 0.0 43.2
88 15.7 0.0 30.6

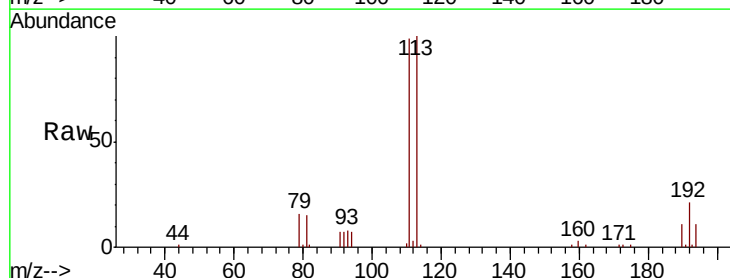


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

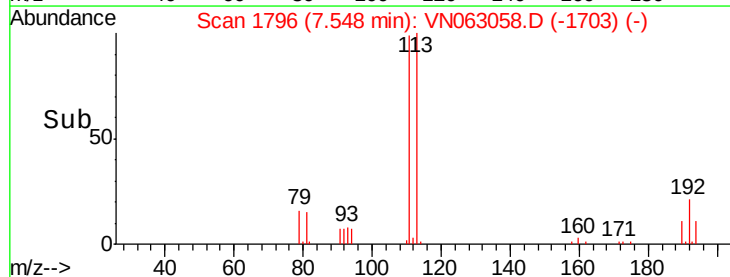
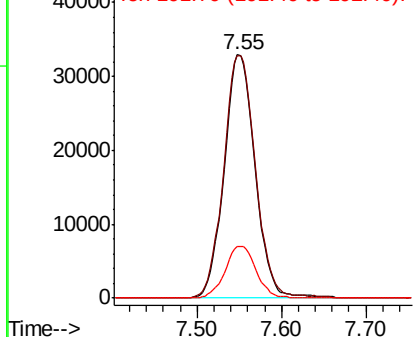


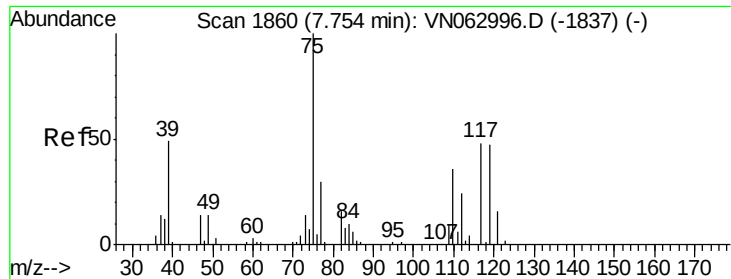
#35
Dibromofluoromethane
Concen: 54.286 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN063058.D
Acq: 21 Aug 2020 1:16

Tgt Ion:113 Resp: 83867
Ion Ratio Lower Upper
113 100
111 102.5 81.7 122.5
192 21.3 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

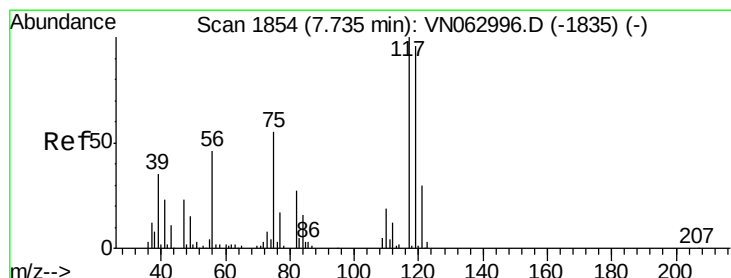
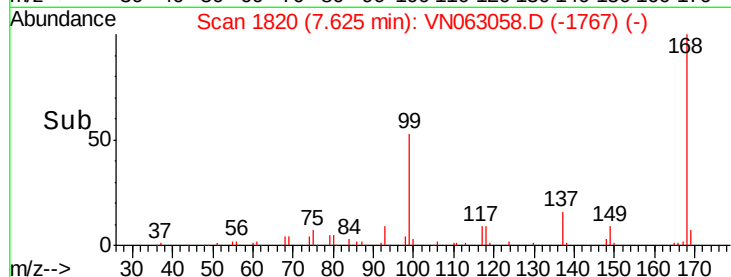
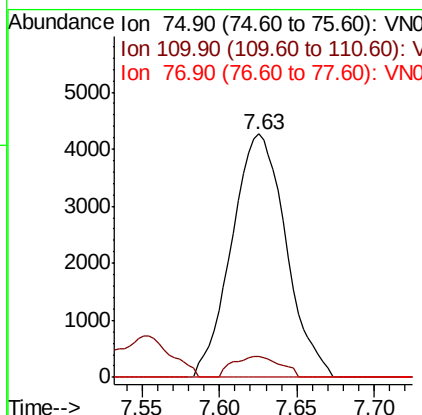
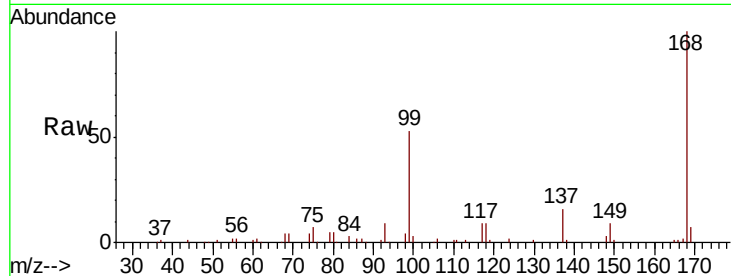




#36
 1,1-Dichloropropene
 Concen: 4.970 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063058.D
 Acq: 21 Aug 2020 1:16

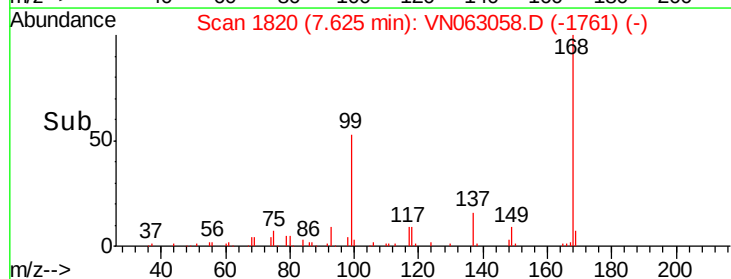
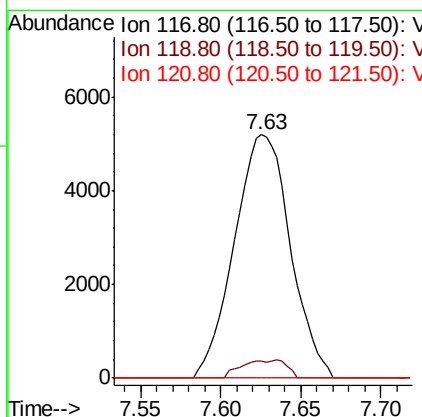
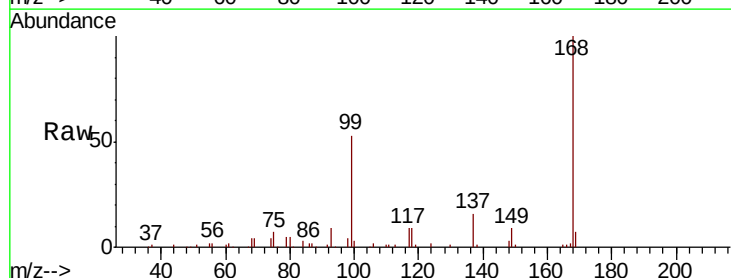
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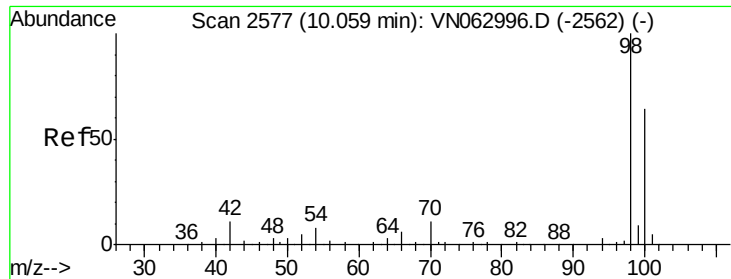
Tot Ion: 75 Resp: 10385
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.5 52.6#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 5.904 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063058.D
 Acq: 21 Aug 2020 1:16

Tgt Ion: 117 Resp: 12454
 Ion Ratio Lower Upper
 117 100
 119 6.8 76.2 114.4#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 51.513 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN063058.D

Acq: 21 Aug 2020 1:16

Instrument :

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ClientSampleId :

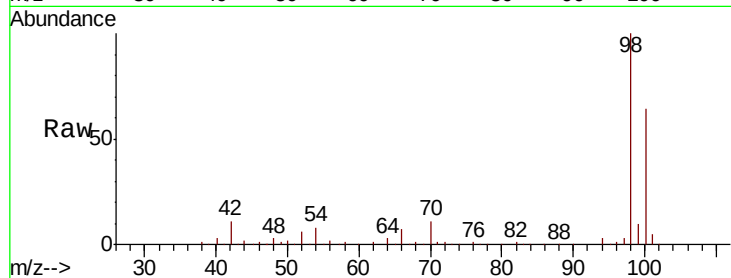
KY038PS037-200818

Tot Ion: 98 Resp: 305679

Ion Ratio Lower Upper

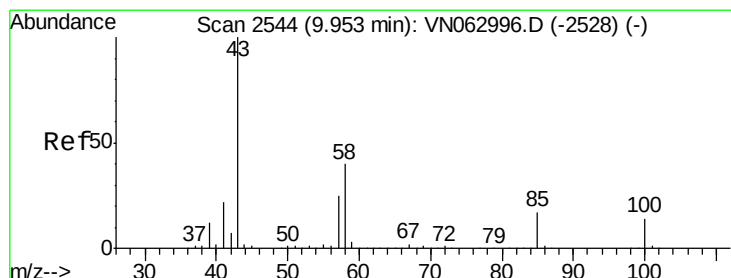
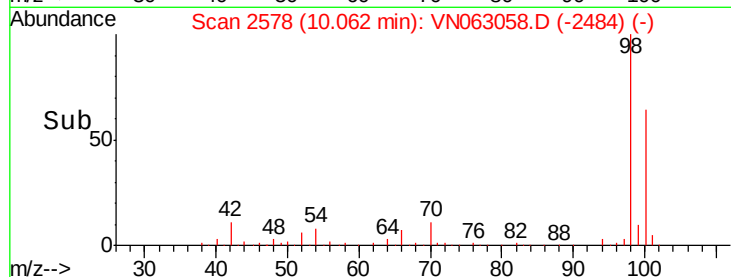
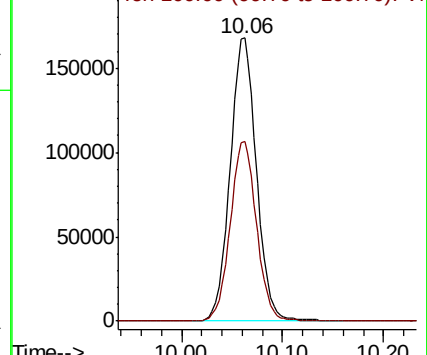
98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 0.577 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN063058.D

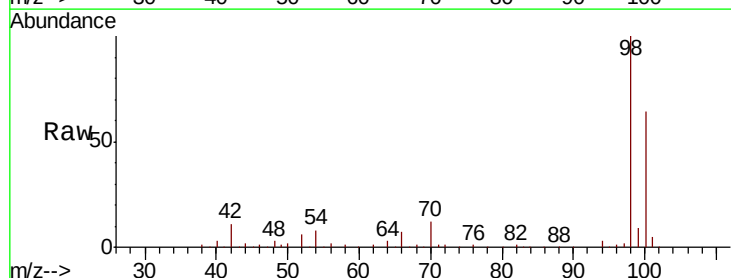
Acq: 21 Aug 2020 1:16

Tgt Ion: 43 Resp: 1183

Ion Ratio Lower Upper

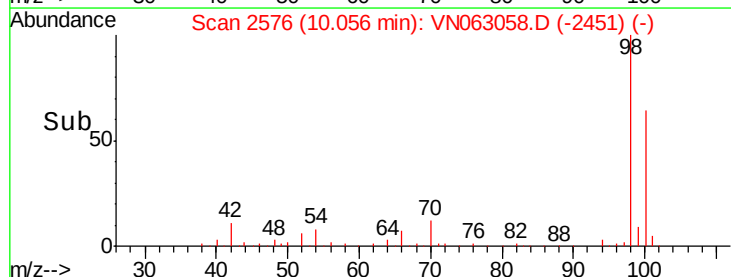
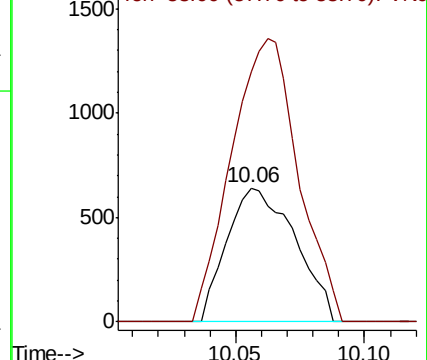
43 100

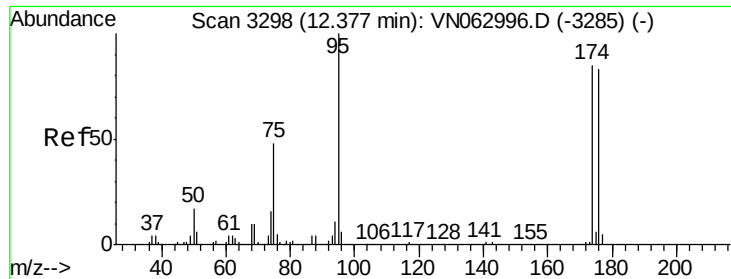
58 207.2 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.865 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063058.D

Acq: 21 Aug 2020 1:16

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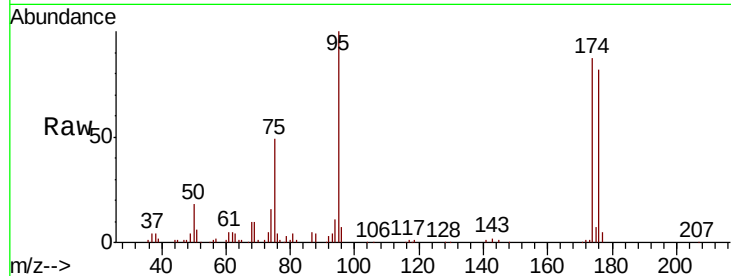
Tot Ion: 95 Resp: 98137

Ion Ratio Lower Upper

95 100

174 89.2 0.0 170.8

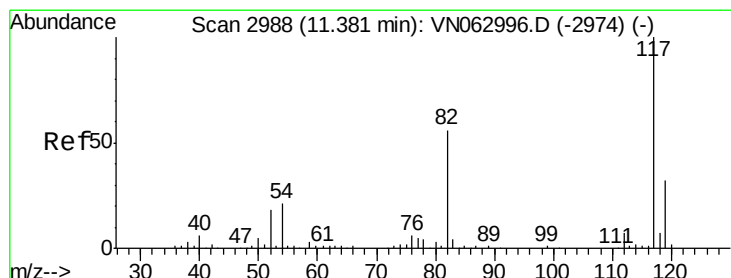
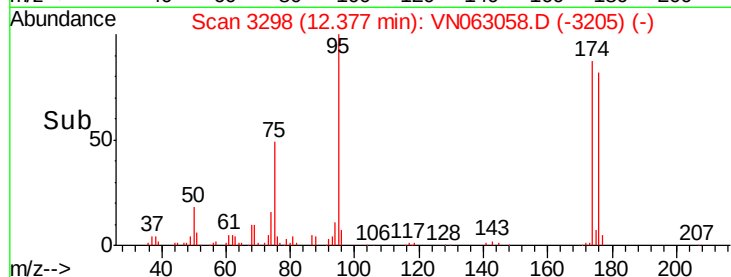
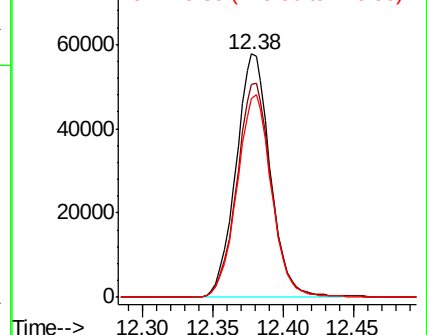
176 84.1 0.0 164.8



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: VN063058.D

Acq: 21 Aug 2020 1:16

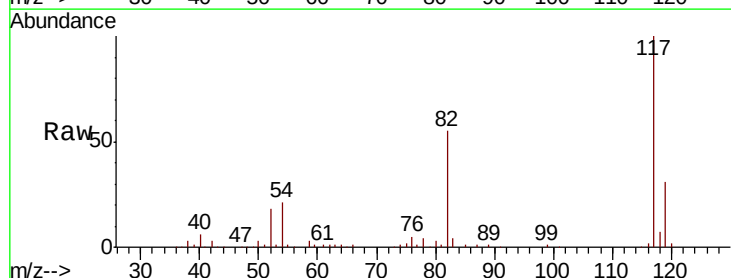
Tgt Ion: 117 Resp: 243762

Ion Ratio Lower Upper

117 100

82 54.9 44.5 66.7

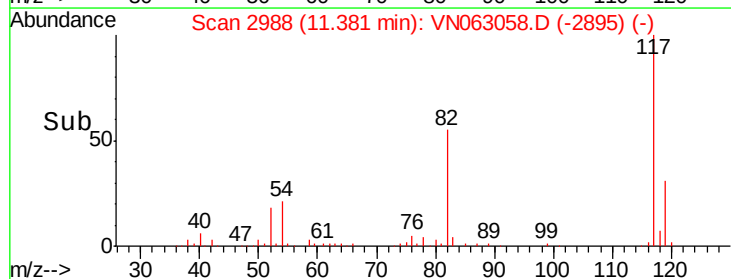
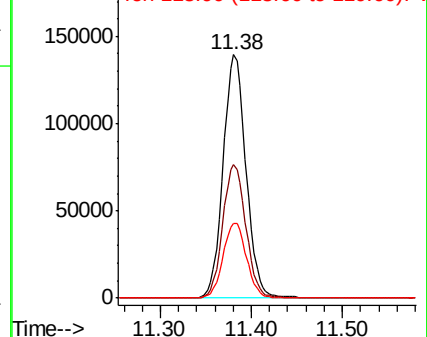
119 30.9 25.5 38.3

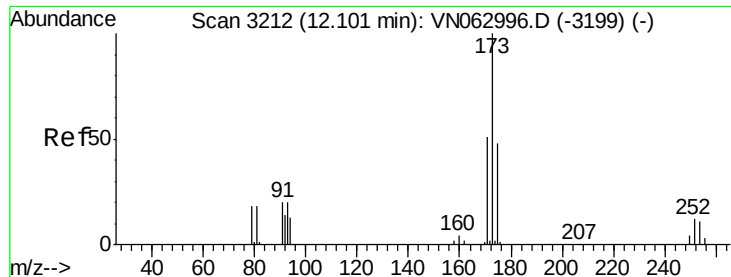


Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)

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

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





#71

Bromoform

Concen: 0.512 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN063058.D

Acq: 21 Aug 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

KY038PS037-200818

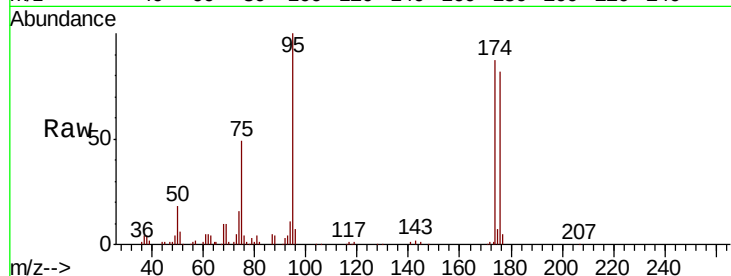
Tot Ion:173 Resp: 776

Ion Ratio Lower Upper

173 100

175 656.7 24.3 72.8#

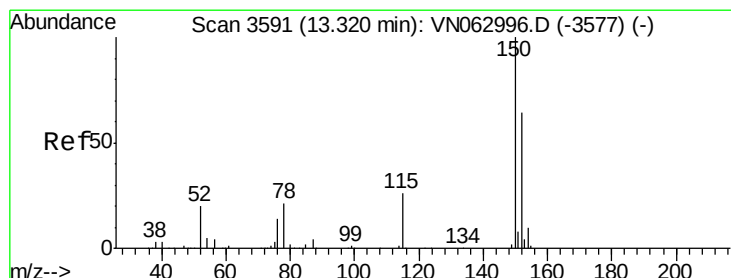
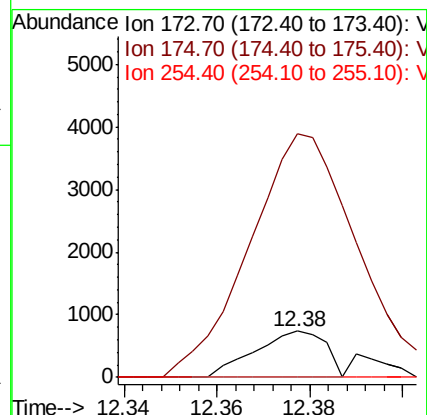
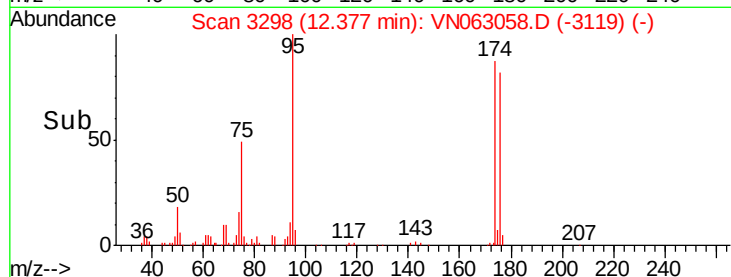
254 0.0 0.0 0.0



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: VN063058.D

Acq: 21 Aug 2020 1:16

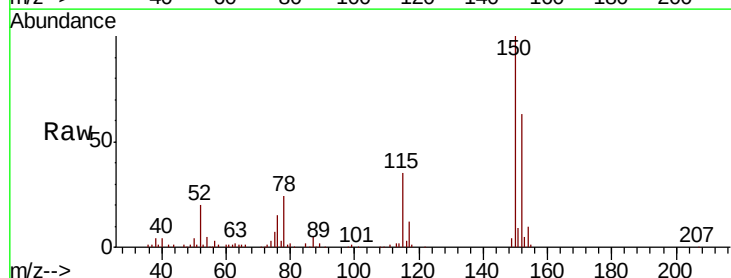
Tgt Ion:152 Resp: 86447

Ion Ratio Lower Upper

152 100

115 56.7 28.7 86.3

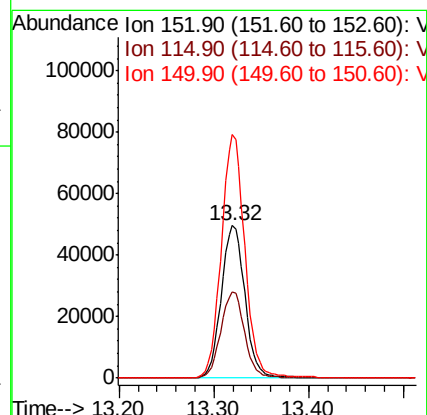
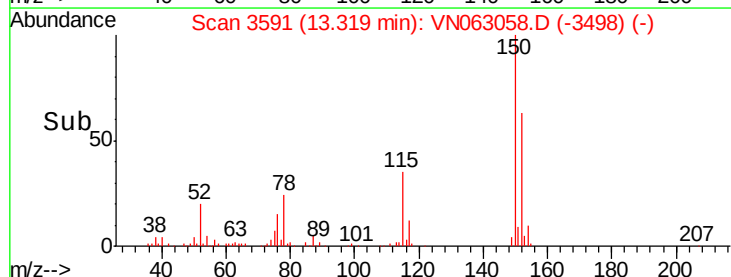
150 158.1 0.0 348.8

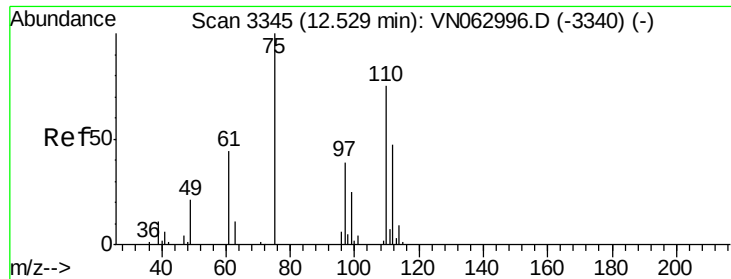


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.846 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063058.D

Acq: 21 Aug 2020 1:16

Instrument :

MSVOA_N

ClientSampleId :

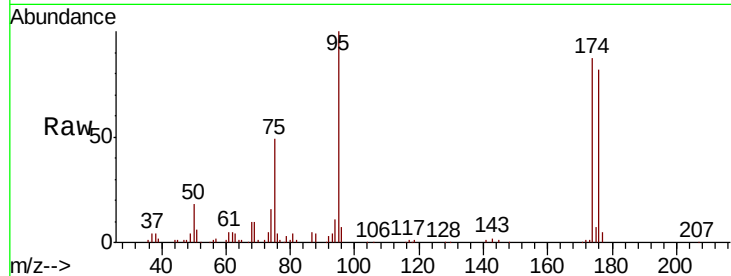
KY038PS037-200818

Tot Ion: 75 Resp: 48471

Ion Ratio Lower Upper

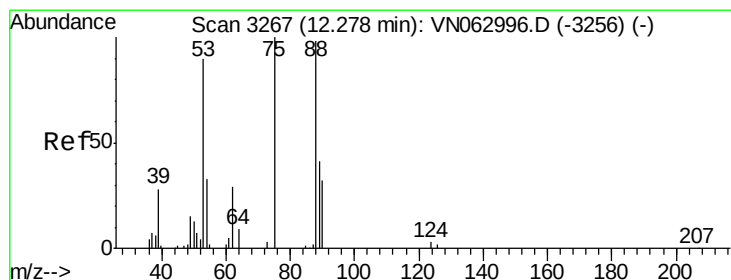
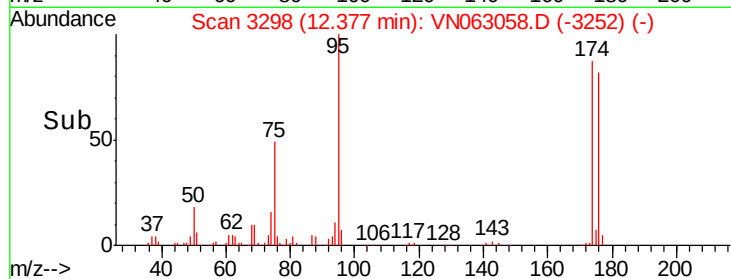
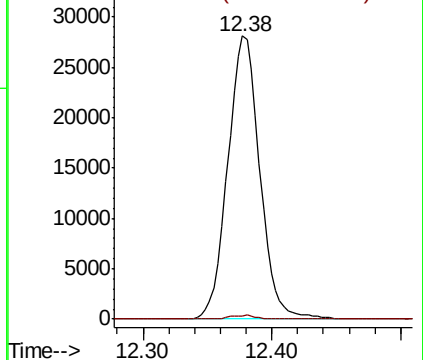
75 100

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: 79.224 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063058.D

Acq: 21 Aug 2020 1:16

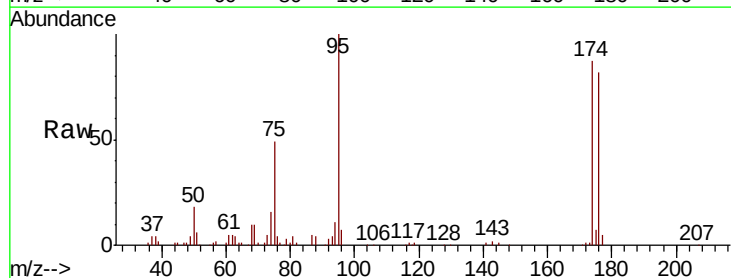
Tgt Ion: 75 Resp: 48471

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

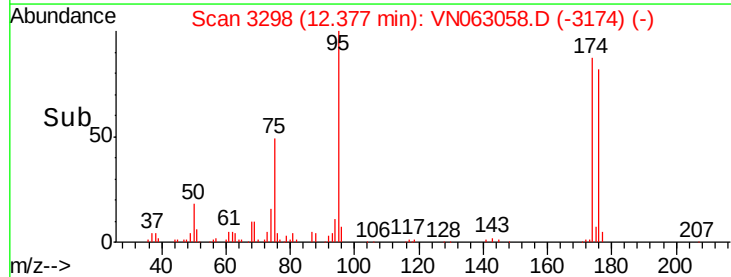
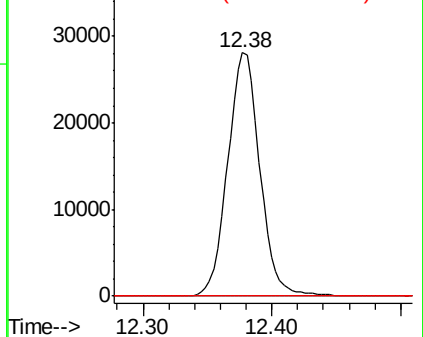
89 0.0 34.2 51.4#

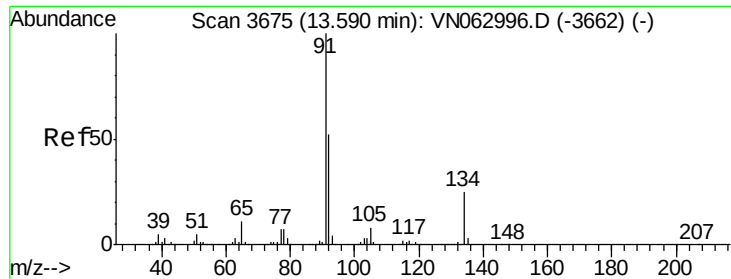


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#89
 n-Butylbenzene
 Concen: 2.777 ug/l
 RT: 13.32 min Scan# 3591
 Delta R.T. -0.27 min
 Lab File: VN063058.D
 Acq: 21 Aug 2020 1:16

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS037-200818

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

