

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063060.D
 Acq On : 21 Aug 2020 2:05
 Operator : JC/MD
 Sample : L3737-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS034-200818

Quant Time: Aug 21 06:41:29 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	141154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	238616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85693	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	95312	56.97	ug/l	0.00
Spiked Amount			Recovery	=	113.94%	
35) Dibromofluoromethane	7.55	113	81825	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
50) Toluene-d8	10.06	98	298451	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.38	95	98938	48.10	ug/l	0.00
Spiked Amount			Recovery	=	96.20%	

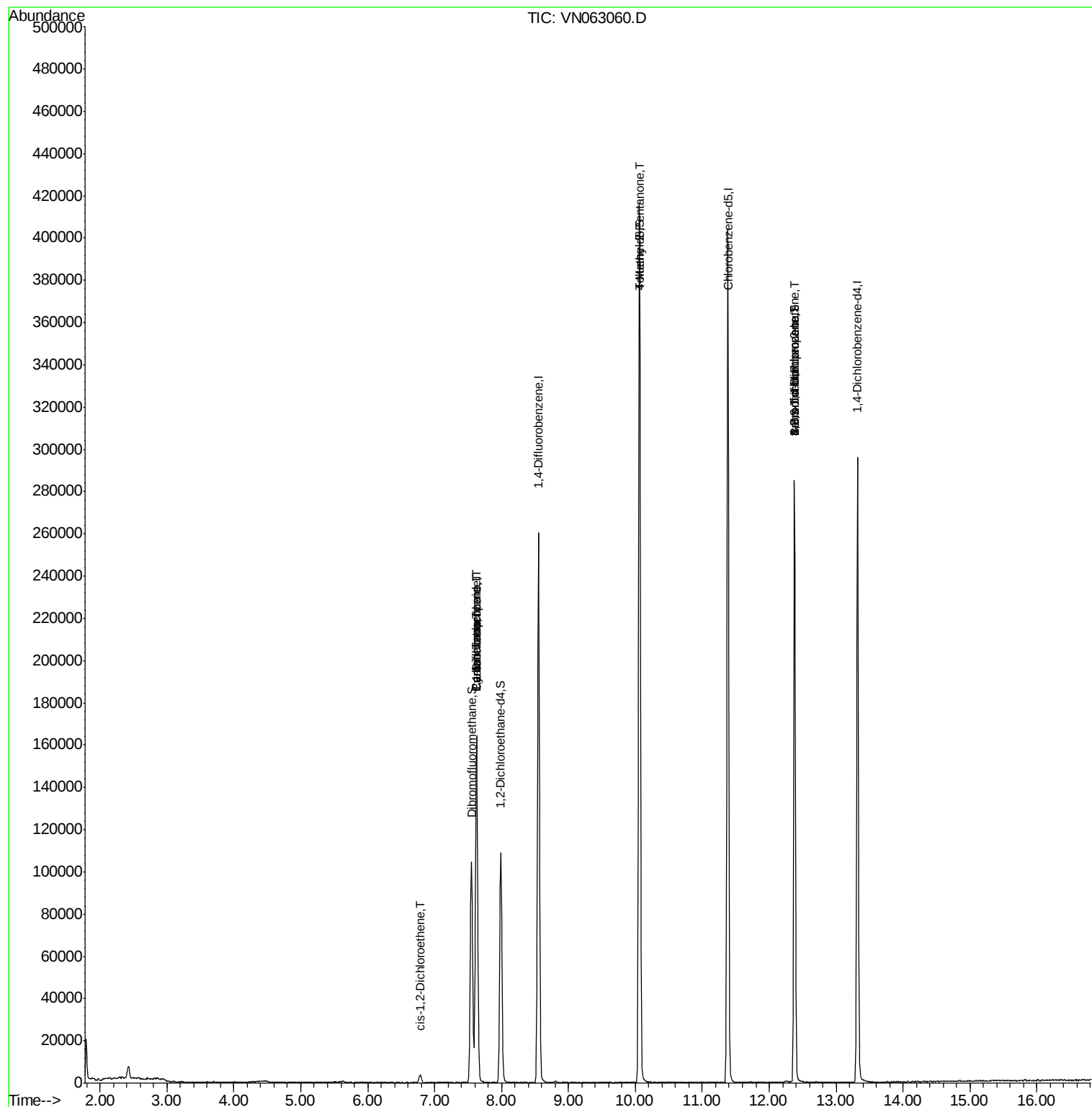
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.51	84	93	Below Cal	#	52
27) cis-1,2-Dichloroethene	6.78	96	2701	1.719	ug/l	83
31) Cyclohexane	7.63	56	2695	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10315	5.025	ug/l #	49
38) Carbon Tetrachloride	7.63	117	12736	6.146	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1121	0.557	ug/l #	1
71) Bromoform	12.38	173	958	0.646	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	46988	28.210	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	46988	77.476	ug/l #	15

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

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Quant Time: Aug 21 06:41:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

Instrument :

MSVOA_N

ClientSampleId :

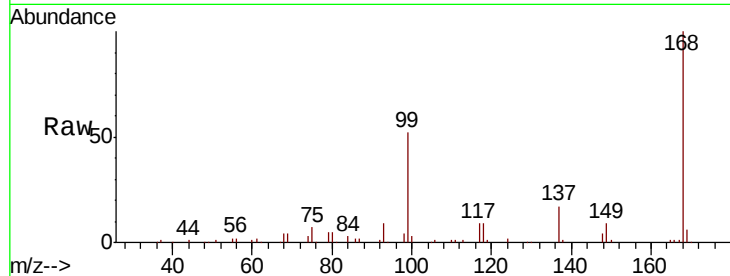
KY038PS034-200818

Tot Ion:168 Resp: 141154

Ion Ratio Lower Upper

168 100

99 52.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

60000

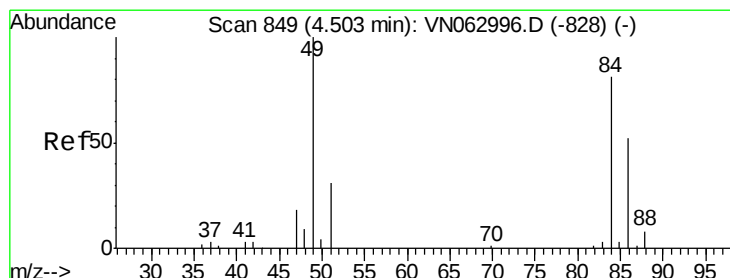
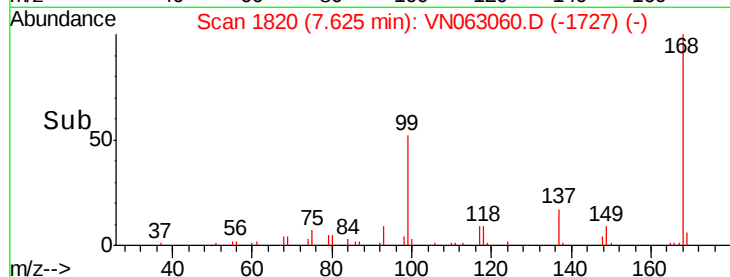
40000

20000

0

Time-->

7.50 7.60 7.70 7.80



#20

Methylene Chloride

Concen: Below Cal

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

Tgt Ion: 84 Resp: 93

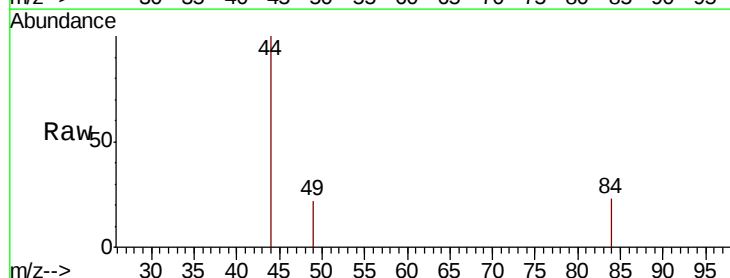
Ion Ratio Lower Upper

84 100

49 94.2 98.7 148.1#

51 0.0 30.8 46.2#

86 0.0 51.2 76.8#



Abundance Ion 83.90 (83.60 to 84.60): VN

Ion 48.90 (48.60 to 49.60): VN

Ion 50.90 (50.60 to 51.60): VN

Ion 85.90 (85.60 to 86.60): VN

300

250

200

150

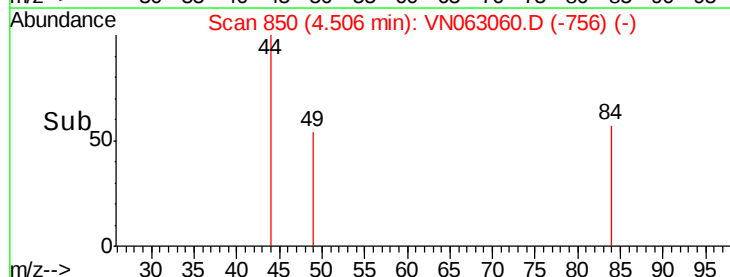
100

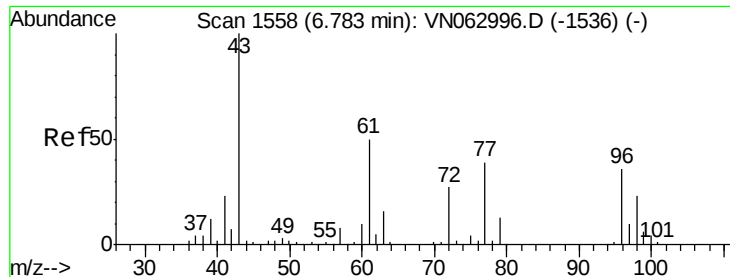
50

0

Time-->

4.49 4.50 4.51 4.52





#27

cis-1,2-Dichloroethene

Concen: 1.719 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200818

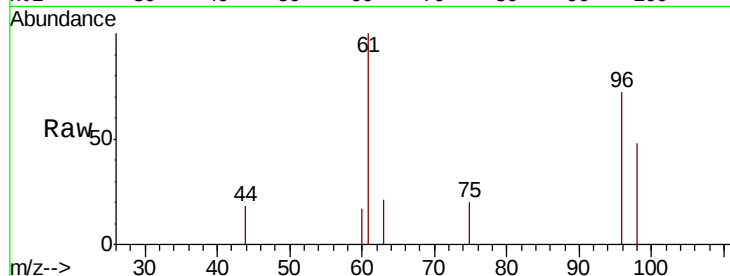
Tot Ion: 96 Resp: 2701

Ion Ratio Lower Upper

96 100

61 120.8 0.0 292.8

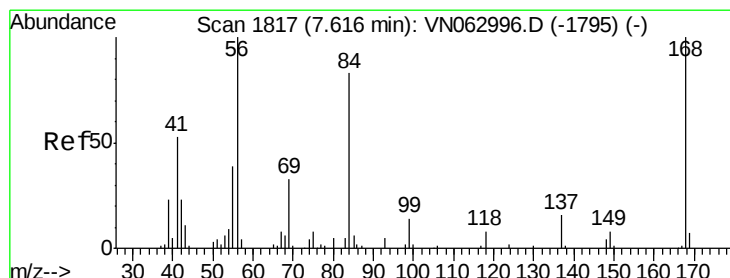
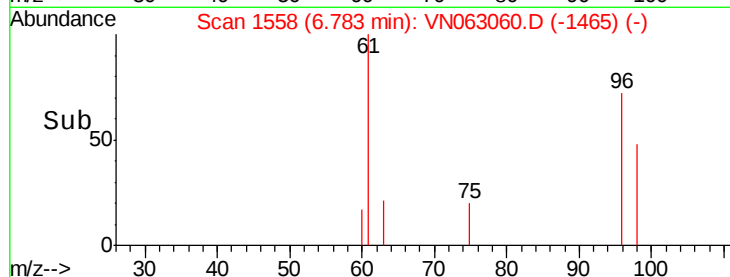
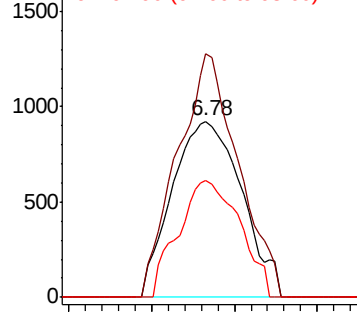
98 58.6 0.0 130.6



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: 1.093 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.01 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

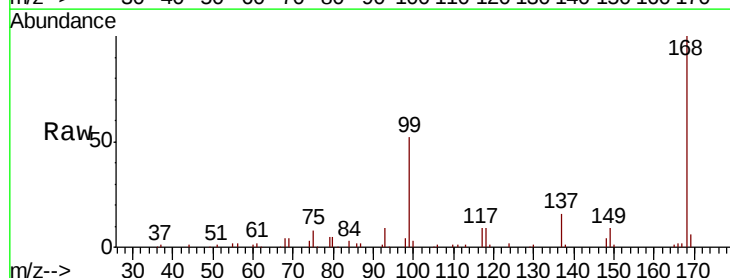
Tgt Ion: 56 Resp: 2695

Ion Ratio Lower Upper

56 100

69 168.3 26.6 40.0#

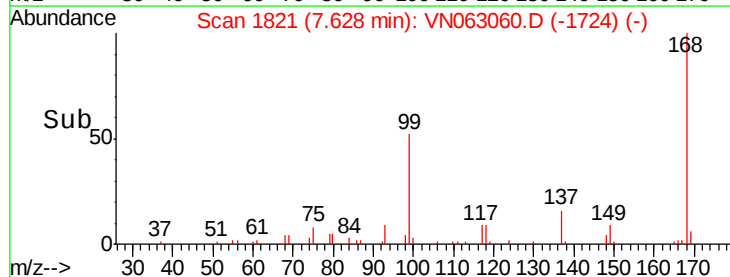
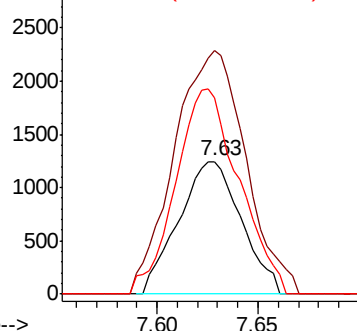
84 148.6 66.4 99.6#

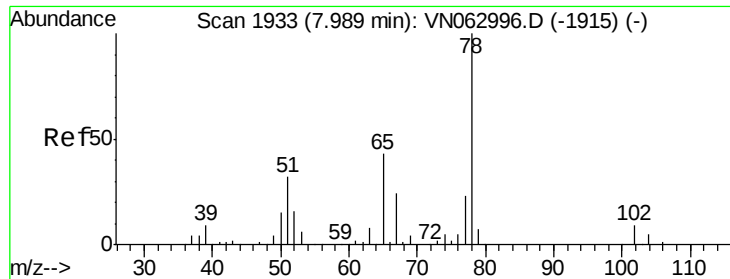


Abundance Ion 56.00 (55.70 to 56.70): VN062996.D (-1795) (-)

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

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

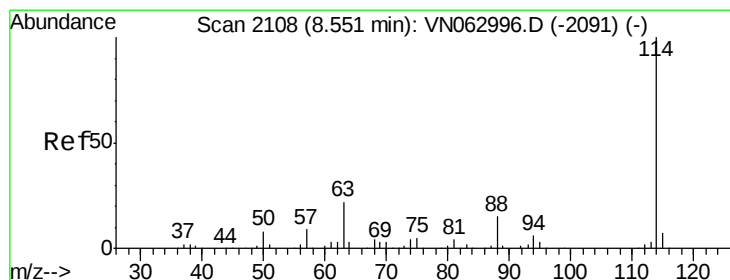
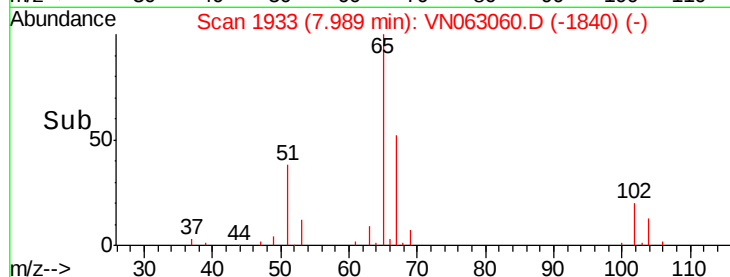
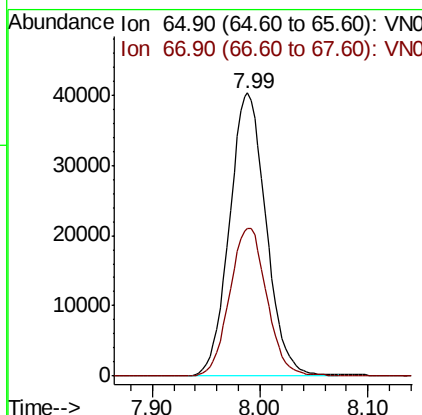
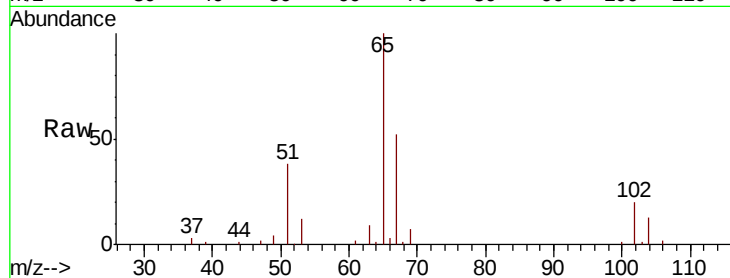




#33
 1,2-Dichloroethane-d4
 Concen: 56.973 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN063060.D
 Acq: 21 Aug 2020 2:05

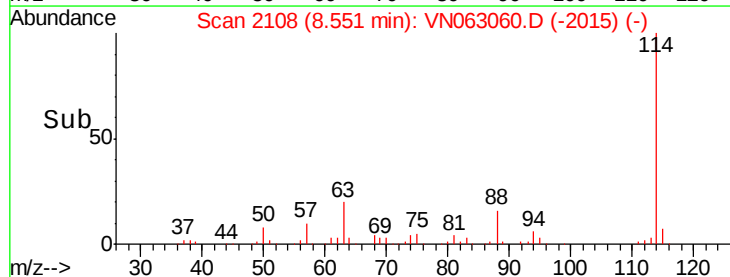
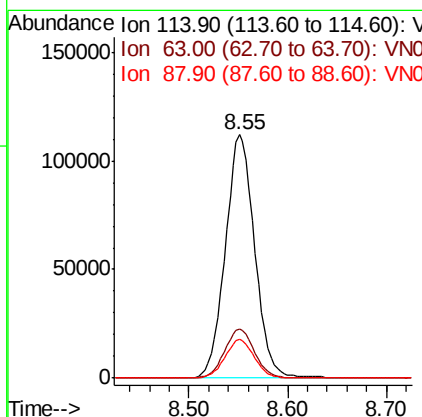
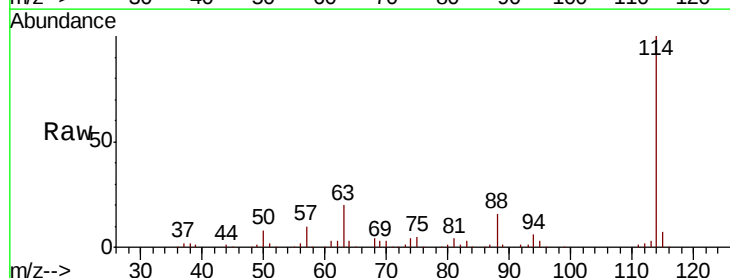
Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS034-200818

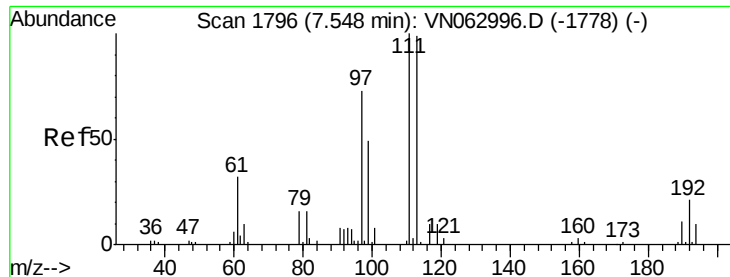
Tot Ion: 65 Resp: 95312
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063060.D
 Acq: 21 Aug 2020 2:05

Tgt Ion: 114 Resp: 232915
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.2
 88 16.0 0.0 30.6

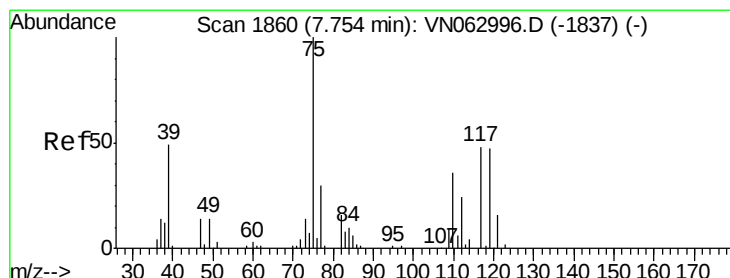
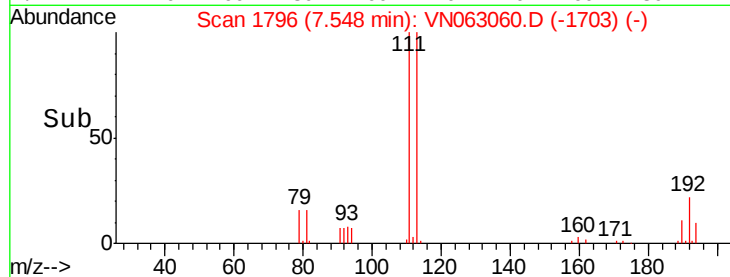
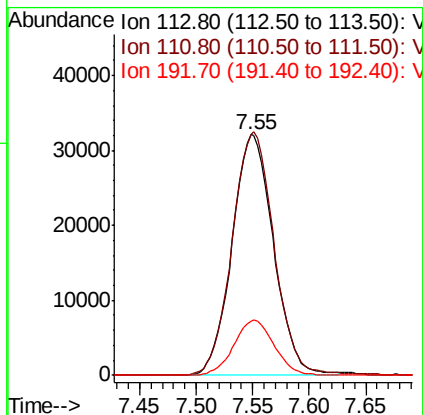
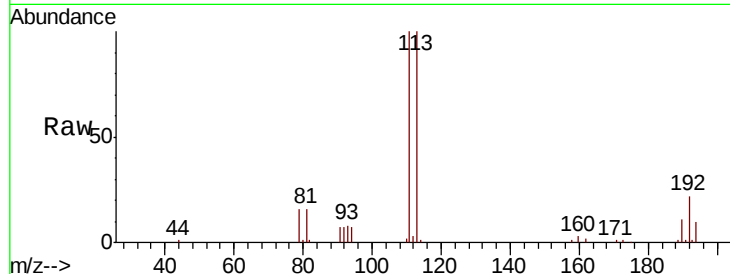




#35
 Dibromofluoromethane
 Concen: 53.915 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN063060.D
 Acq: 21 Aug 2020 2:05

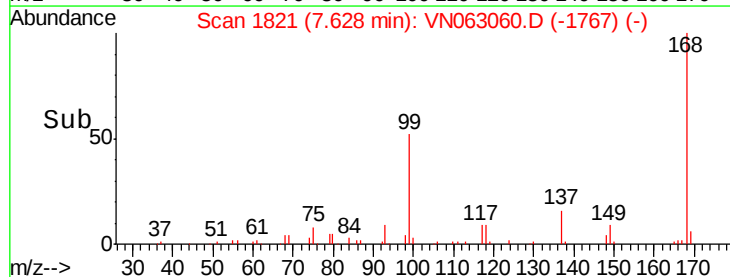
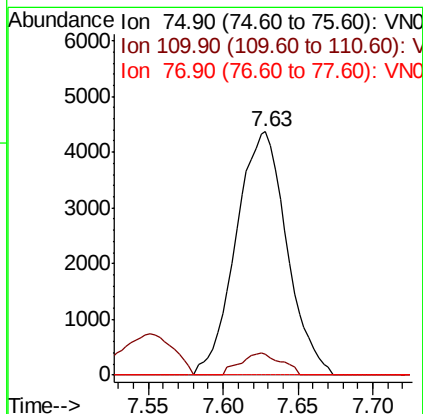
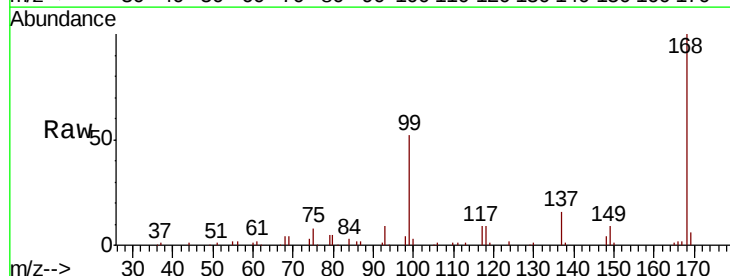
Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS034-200818

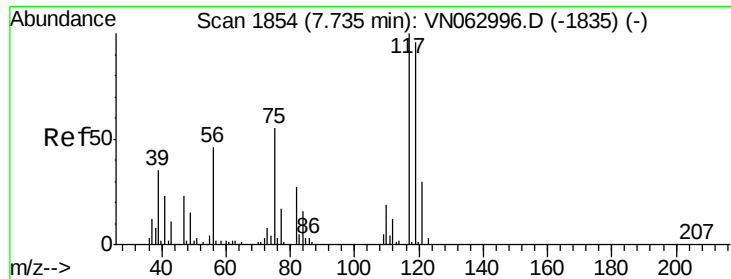
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	22.2	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.13 min
 Lab File: VN063060.D
 Acq: 21 Aug 2020 2:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.5	52.6#
77	0.0	24.2	36.4#

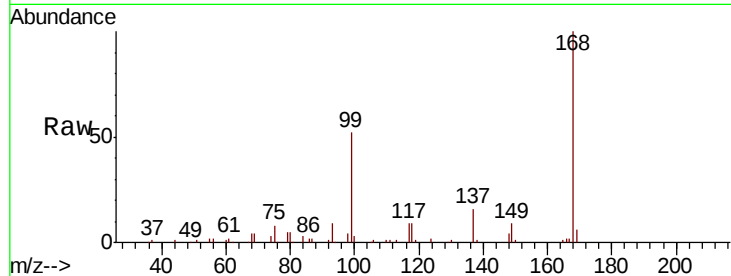




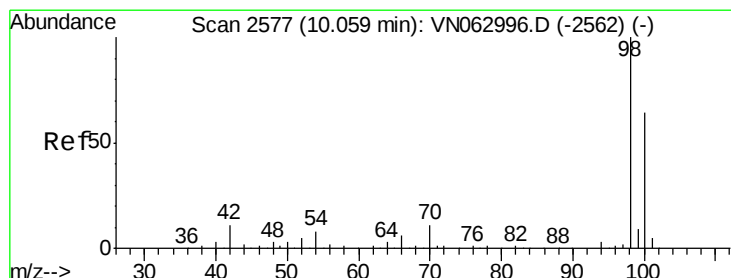
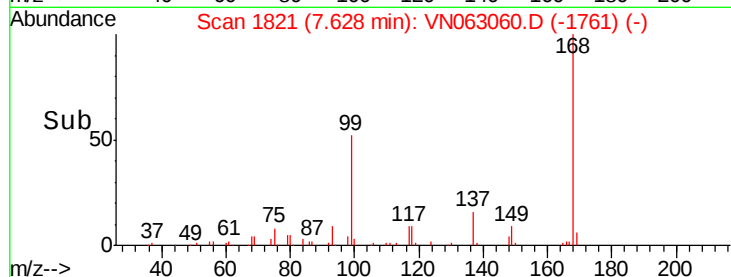
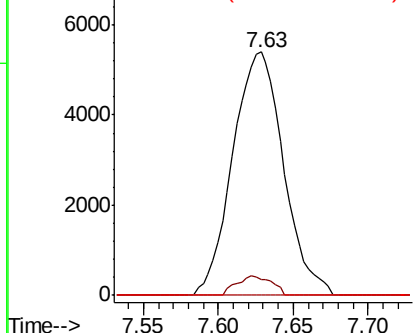
#38
Carbon Tetrachloride
Concen: 6.146 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN063060.D
Acq: 21 Aug 2020 2:05

Instrument :
MSVOA_N
ClientSampleId :
KY038PS034-200818

Tot Ion:117 Resp: 12736
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.4#
121 0.0 24.2 36.2#

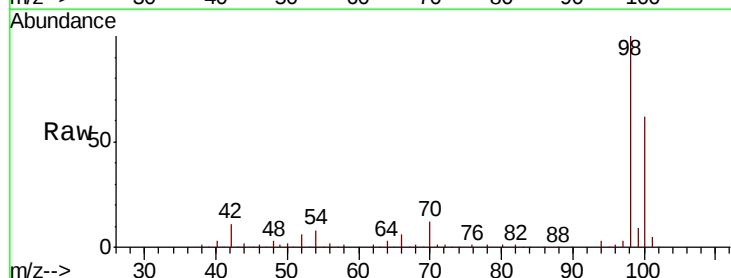


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

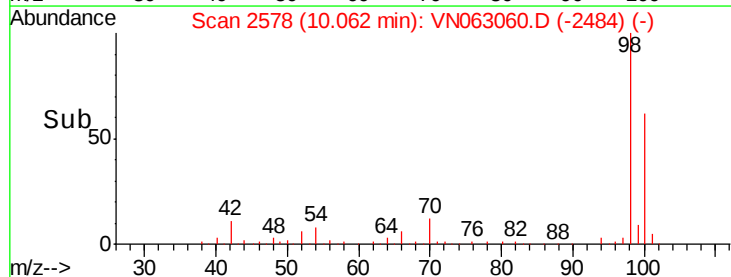
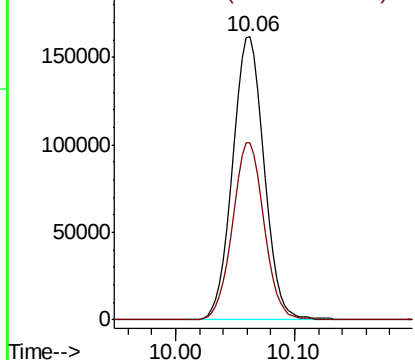


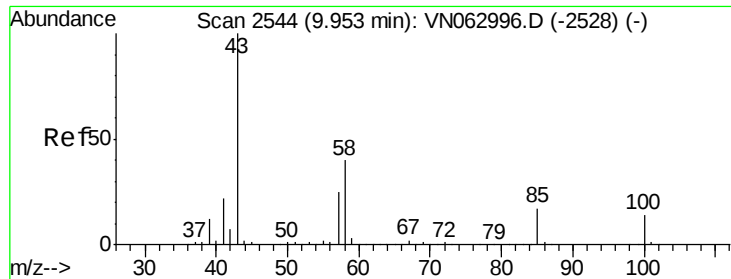
#50
Toluene-d8
Concen: 51.197 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063060.D
Acq: 21 Aug 2020 2:05

Tgt Ion: 98 Resp: 298451
Ion Ratio Lower Upper
98 100
100 62.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.557 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

Instrument :

MSVOA_N

ClientSampleId :

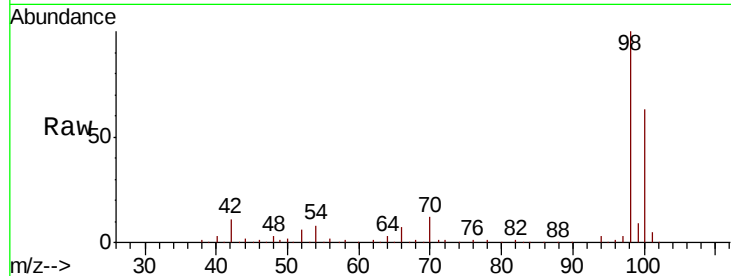
KY038PS034-200818

Tot Ion: 43 Resp: 1121

Ion Ratio Lower Upper

43 100

58 209.0 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

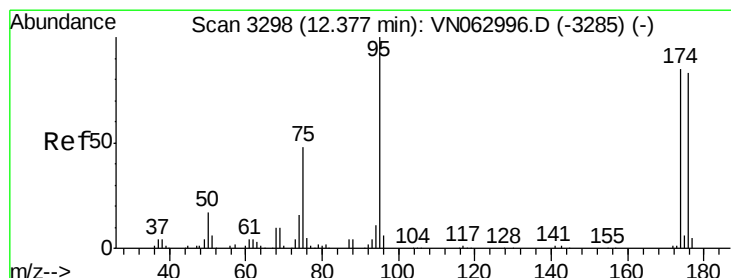
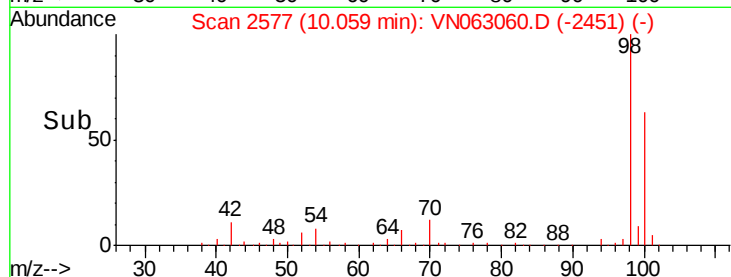
1000

500

0

10.05 10.10

Time-->



#62

4-Bromofluorobenzene

Concen: 48.096 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

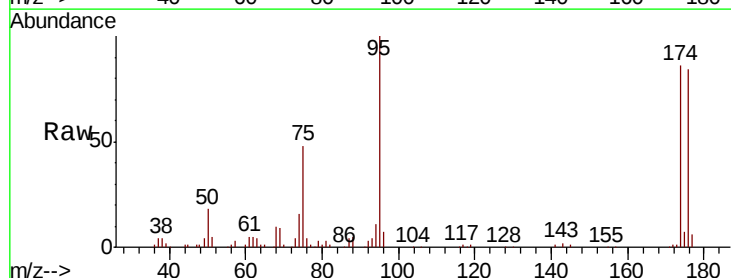
Tgt Ion: 95 Resp: 98938

Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.8

176 82.6 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) (-)

80000

60000

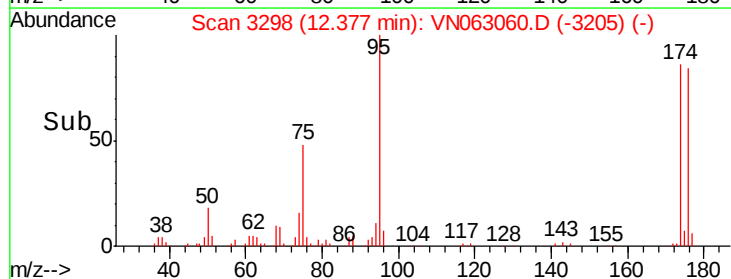
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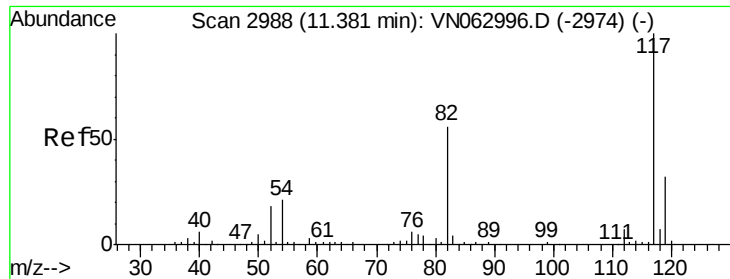
20000

0

12.30 12.40 12.50

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200818

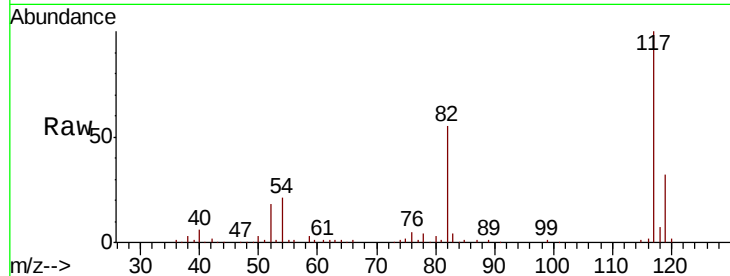
Tot Ion:117 Resp: 238616

Ion Ratio Lower Upper

117 100

82 54.8 44.5 66.7

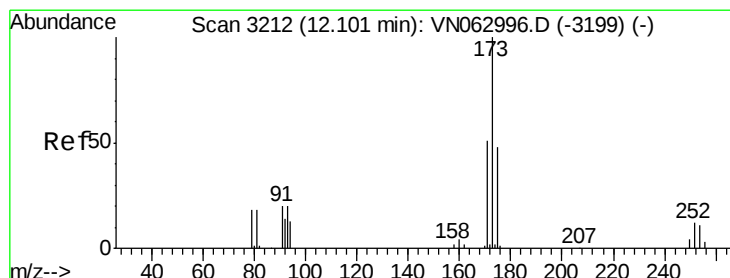
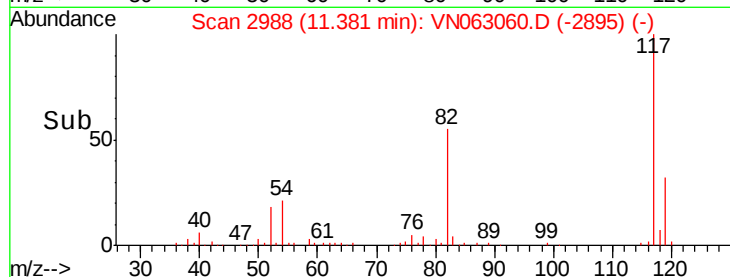
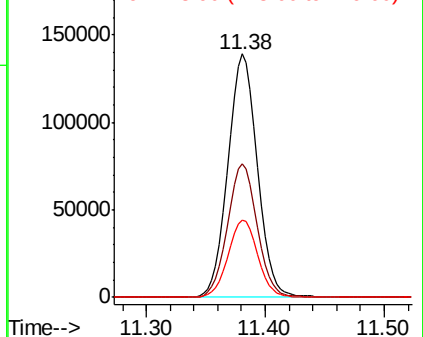
119 32.0 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.646 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

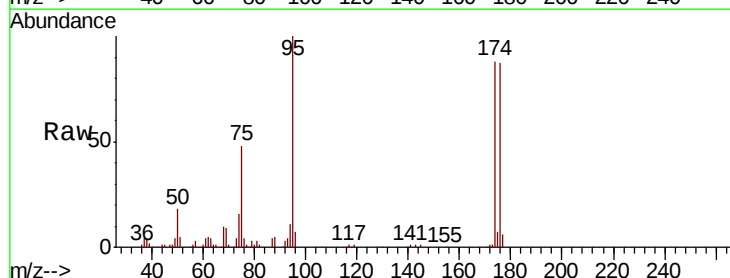
Tgt Ion:173 Resp: 958

Ion Ratio Lower Upper

173 100

175 554.1 24.3 72.8#

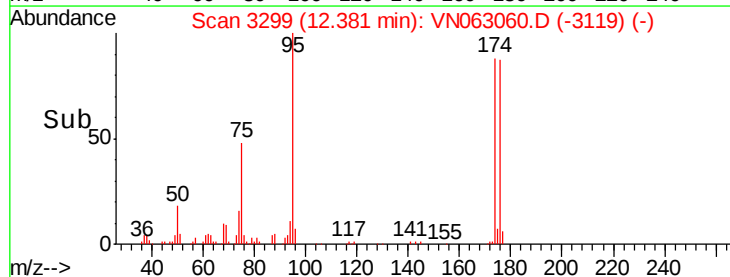
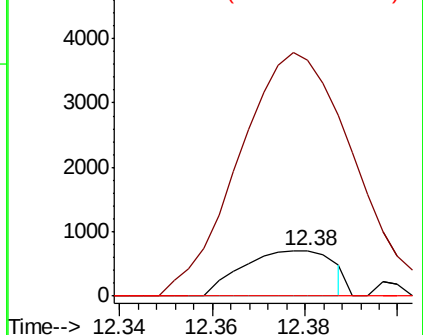
254 0.0 0.0 0.0

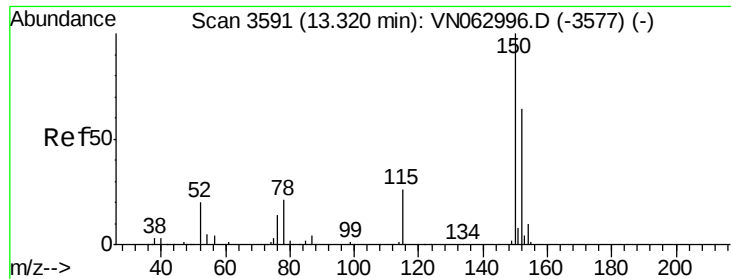


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063060.D

Acq: 21 Aug 2020 2:05

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200818

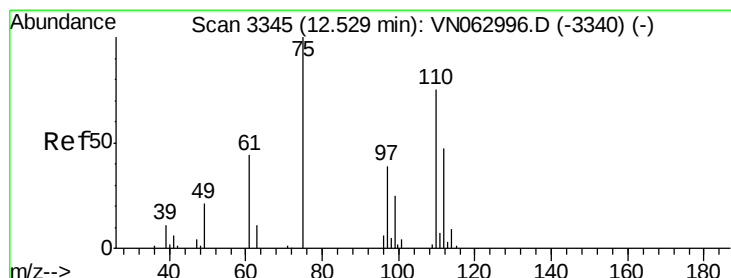
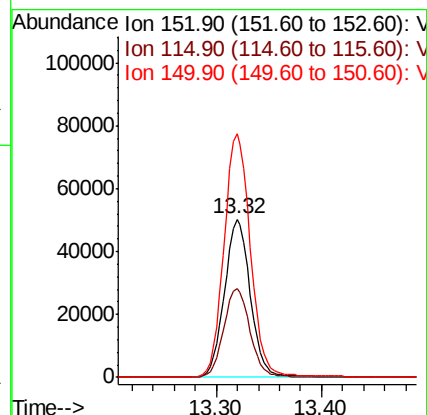
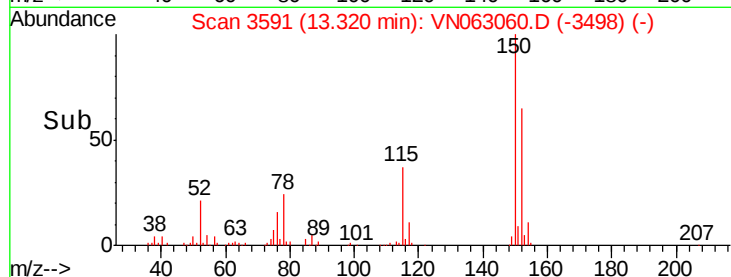
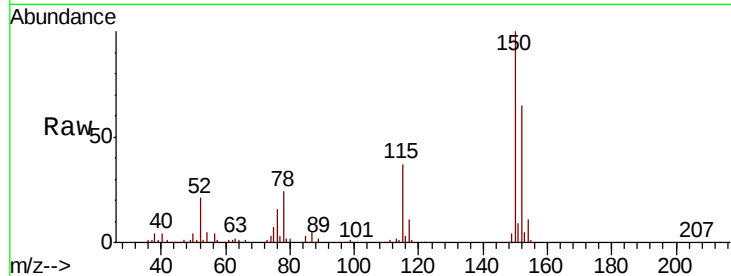
Tot Ion:152 Resp: 85693

Ion Ratio Lower Upper

152 100

115 56.8 28.7 86.3

150 156.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 28.210 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063060.D

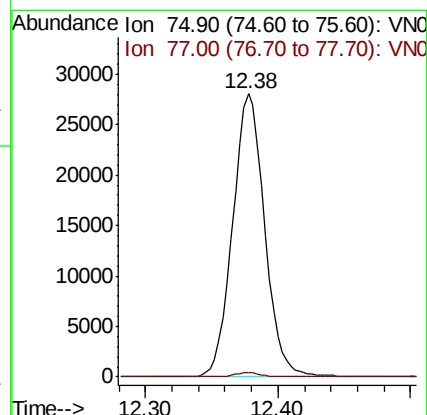
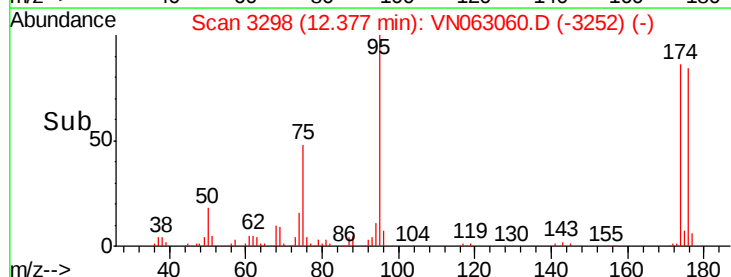
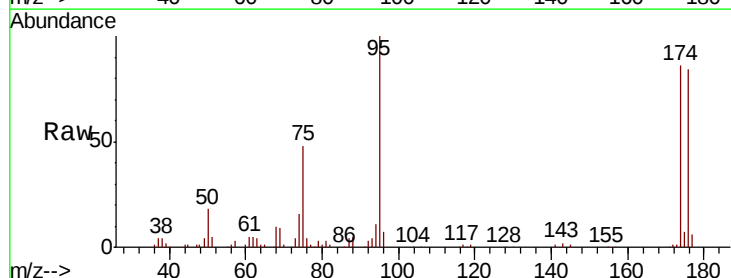
Acq: 21 Aug 2020 2:05

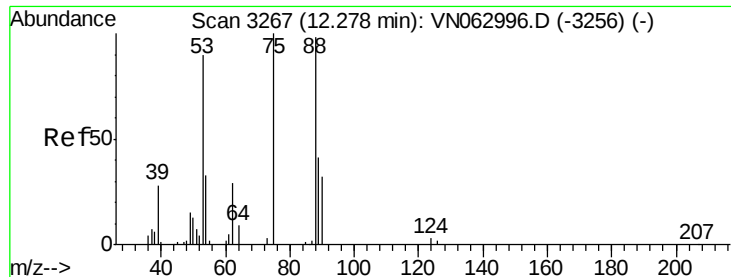
Tgt Ion: 75 Resp: 46988

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 77.476 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063060.D

Acq: 21 Aug 2020 2:05

Instrument :

MSVOA_N

ClientSampleId :

KY038PS034-200818

Tot Ion: 75 Resp: 46988

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

89 0.0 34.2 51.4#

