

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061847.D
 Acq On : 17 Jun 2020 14:39
 Operator : JC/MD
 Sample : L2989-06DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20200610DL

Quant Time: Jun 18 03:54:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	139707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	256879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	98005	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	90875	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	7.55	113	80923	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
50) Toluene-d8	10.06	98	318725	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
62) 4-Bromofluorobenzene	12.38	95	107445	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	

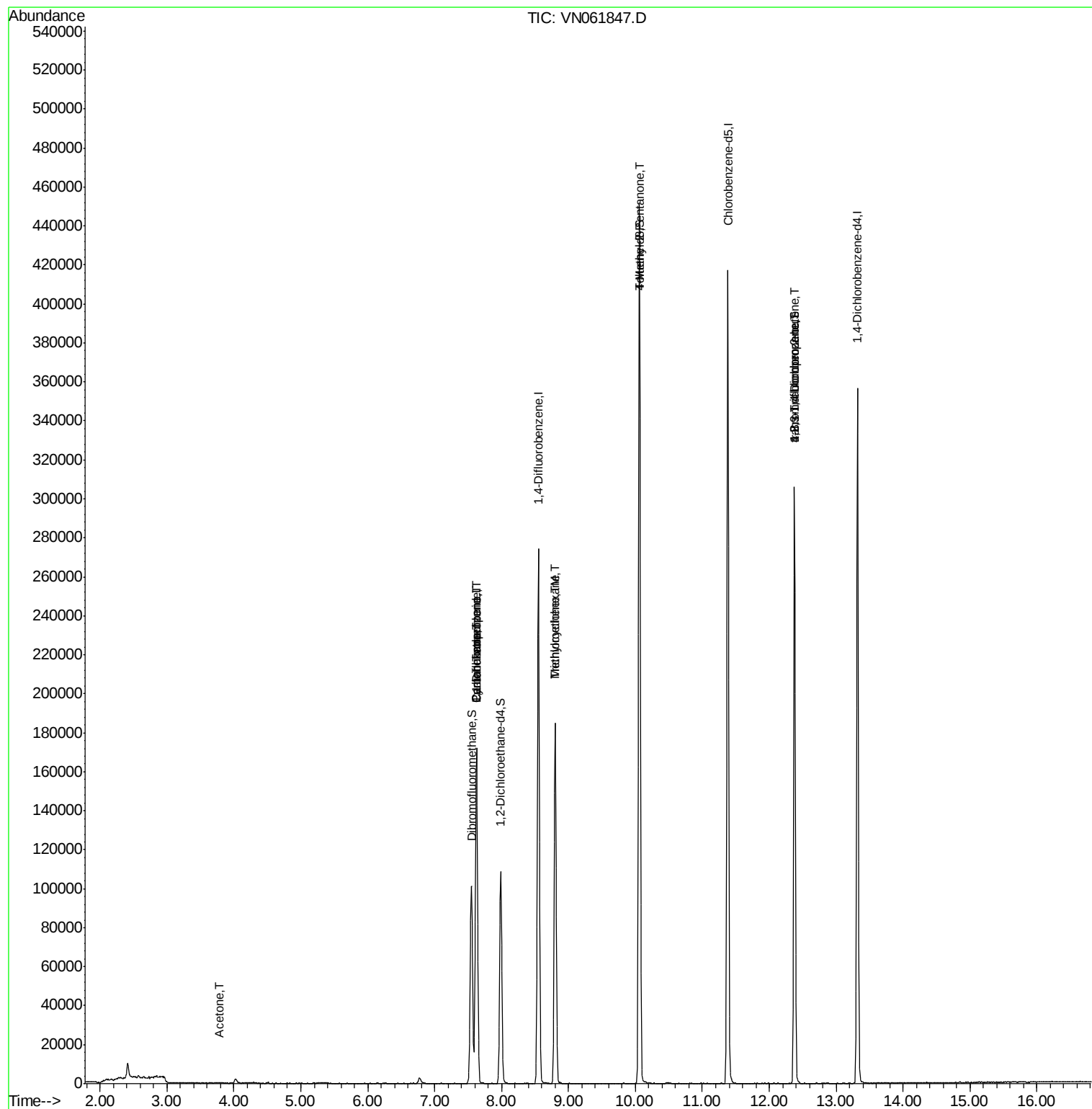
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	799	1.444	ug/l #	40
31) Cyclohexane	7.63	56	2839	1.150	ug/l #	28
36) 1,1-Dichloropropene	7.63	75	10939	4.669	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13339	5.749	ug/l #	16
39) Methylcyclohexane	8.80	83	819	0.325	ug/l #	1
44) Trichloroethene	8.80	130	69652	37.289	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	1081	0.593	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53169	27.633	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53169	75.368	ug/l #	14

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

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QLast Update : Wed Jun 17 01:19:44 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: VN061847.D

Acq: 17 Jun 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

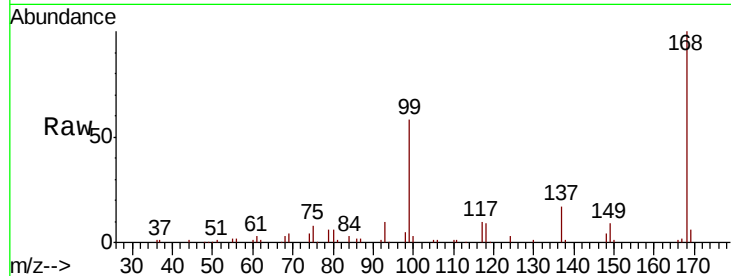
RE103D2-20200610DL

Tot Ion:168 Resp: 139707

Ion Ratio Lower Upper

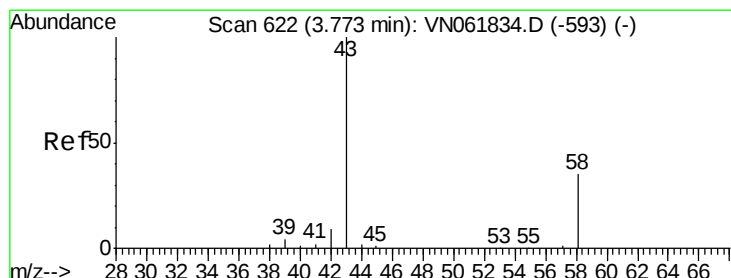
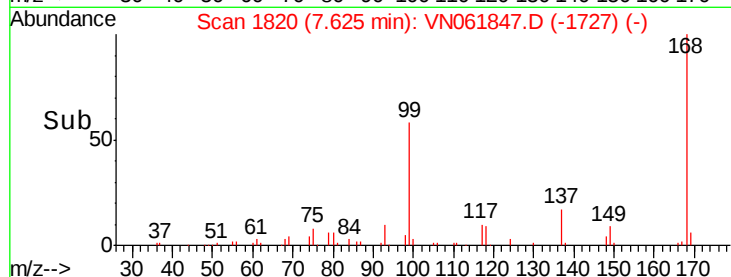
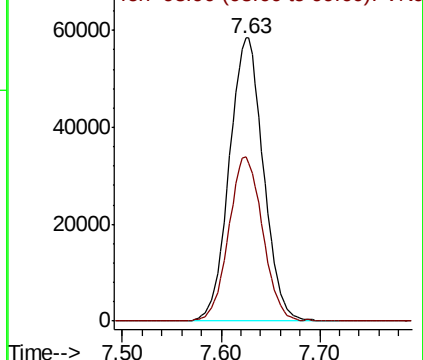
168 100

99 58.1 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 1.444 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061847.D

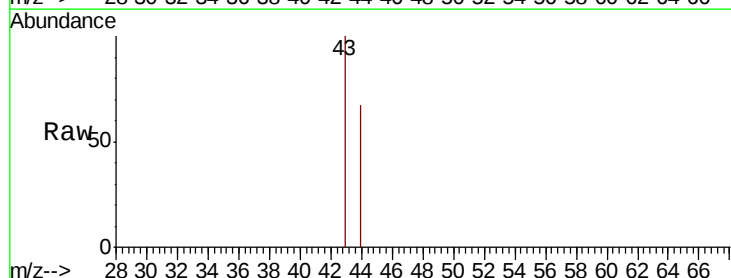
Acq: 17 Jun 2020 14:39

Tgt Ion: 43 Resp: 799

Ion Ratio Lower Upper

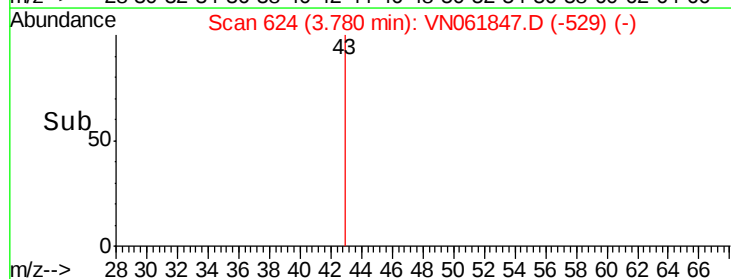
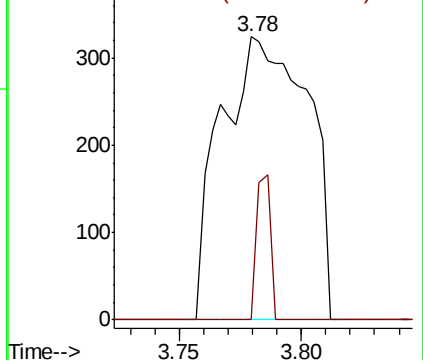
43 100

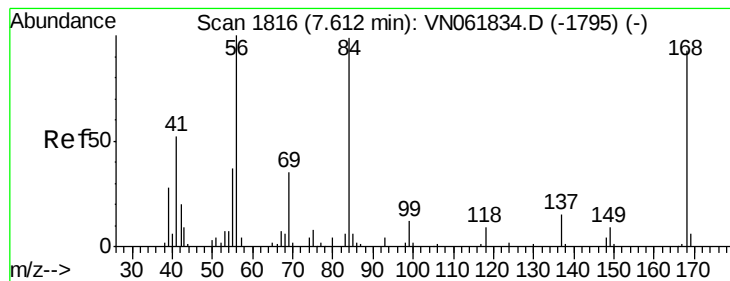
58 0.0 27.8 41.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061847.D

Acq: 17 Jun 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200610DL

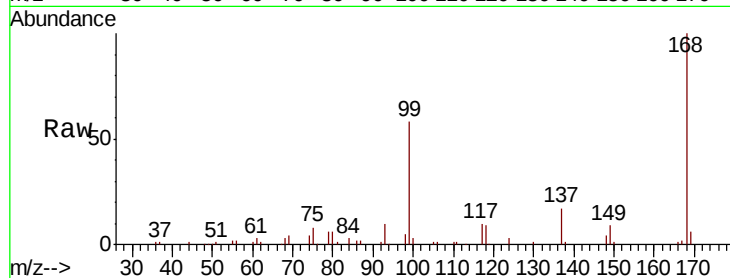
Tot Ion: 56 Resp: 2839

Ion Ratio Lower Upper

56 100

69 165.2 27.7 41.5#

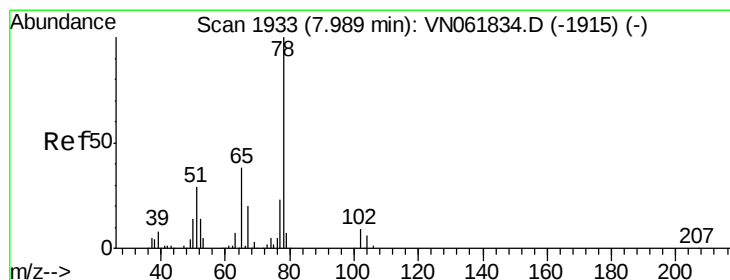
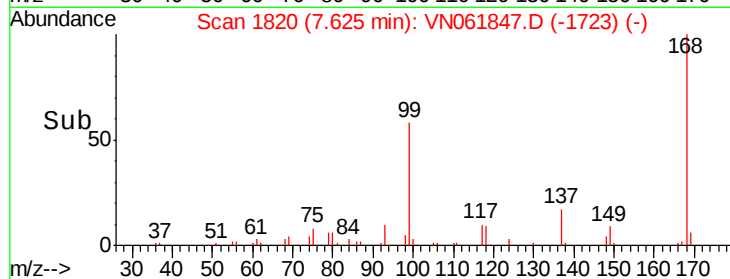
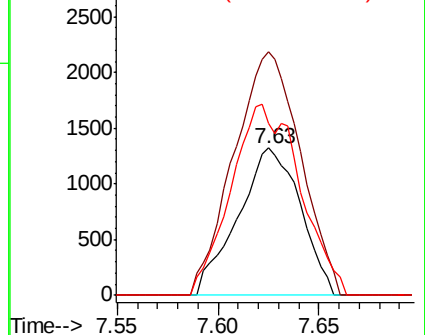
84 116.7 79.1 118.7



Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.501 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061847.D

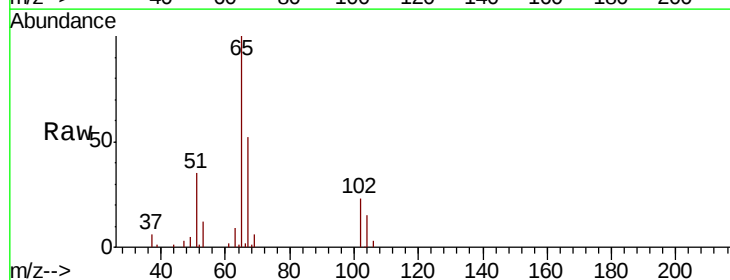
Acq: 17 Jun 2020 14:39

Tgt Ion: 65 Resp: 90875

Ion Ratio Lower Upper

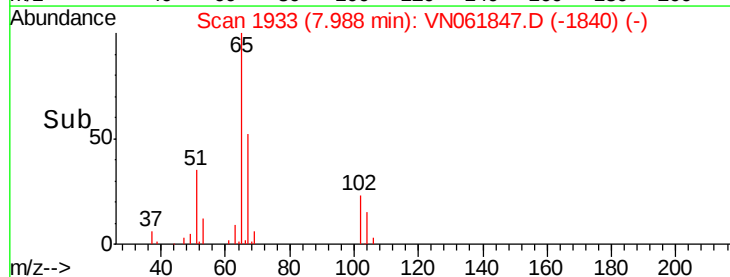
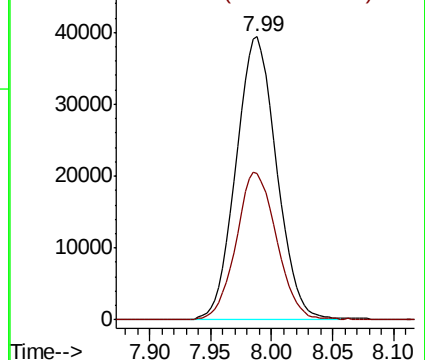
65 100

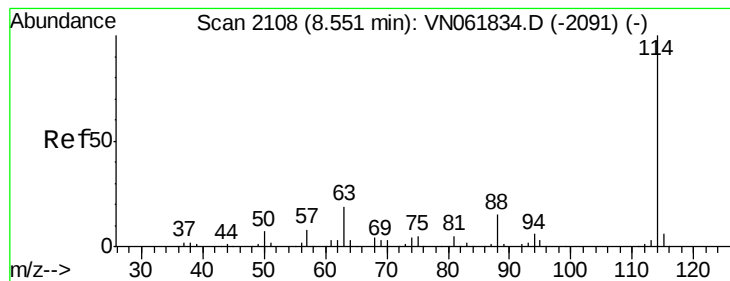
67 51.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061847.D

Acq: 17 Jun 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200610DL

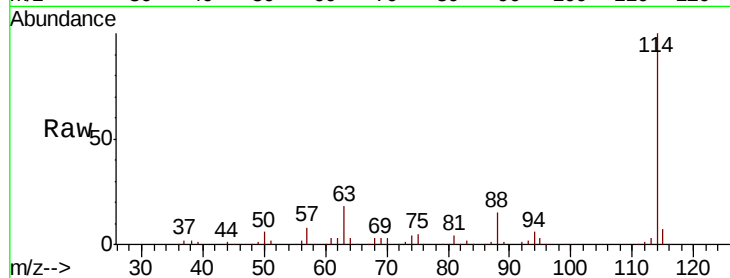
Tot Ion:114 Resp: 256879

Ion Ratio Lower Upper

114 100

63 18.2 0.0 37.6

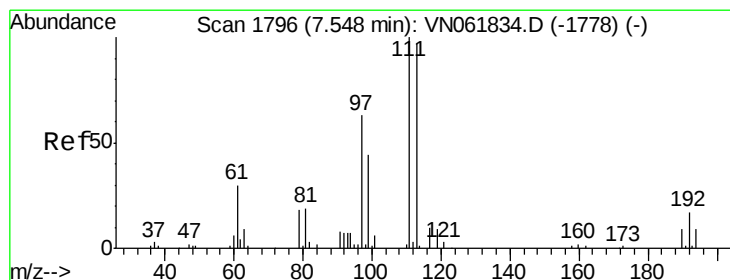
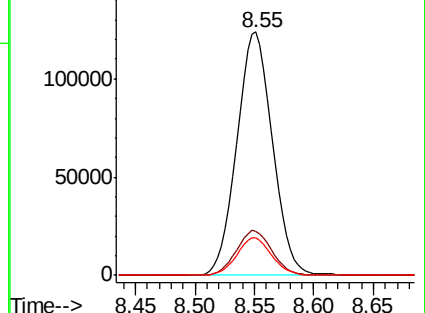
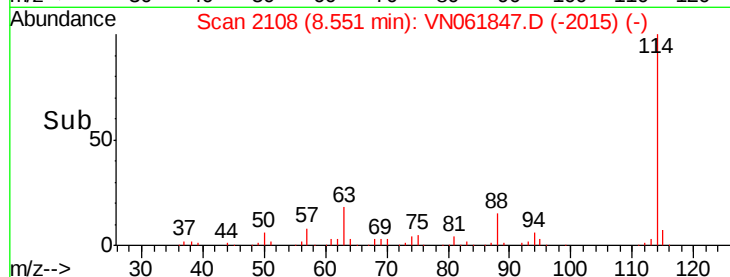
88 15.4 0.0 31.0



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: 49.242 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN061847.D

Acq: 17 Jun 2020 14:39

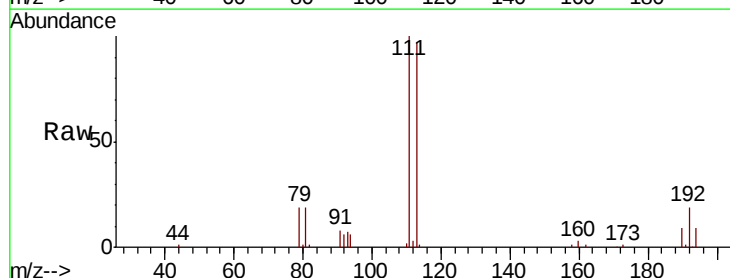
Tgt Ion:113 Resp: 80923

Ion Ratio Lower Upper

113 100

111 103.2 83.7 125.5

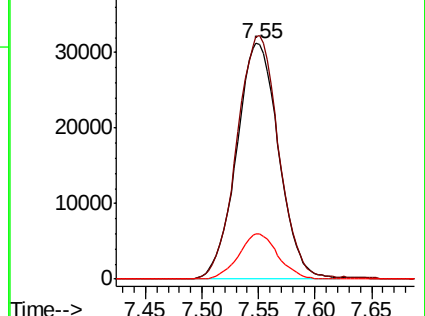
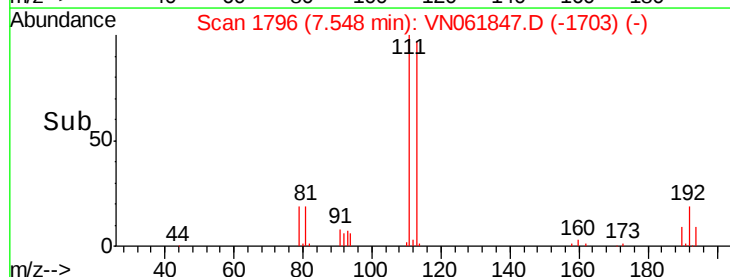
192 17.8 13.9 20.9

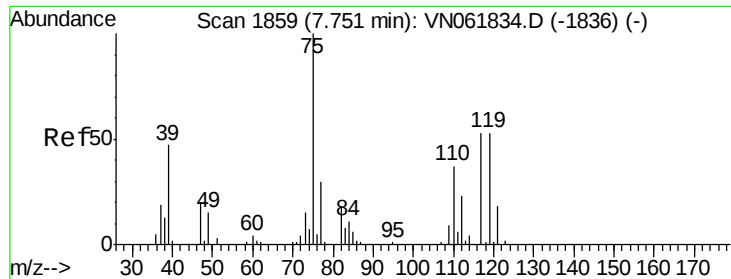


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

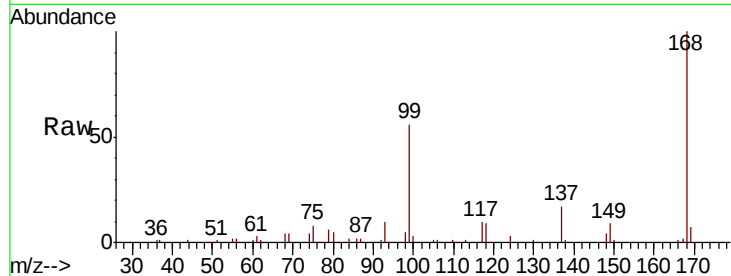




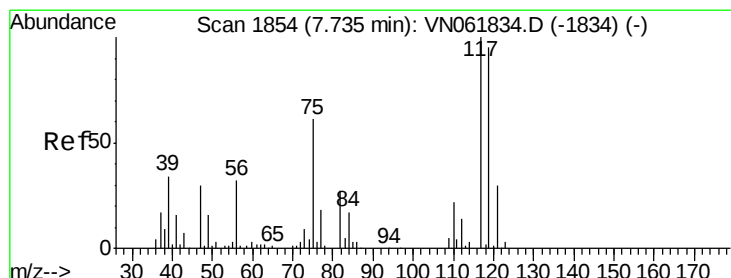
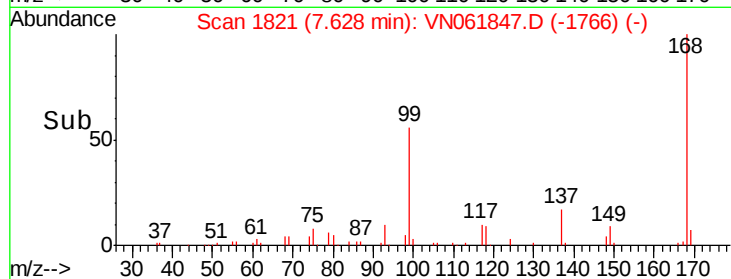
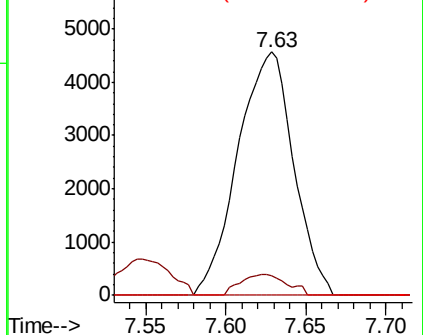
#36
 1,1-Dichloropropene
 Concen: 4.669 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN061847.D
 Acq: 17 Jun 2020 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D2-20200610DL

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.1	18.2	54.6#
77	0.0	24.2	36.4#

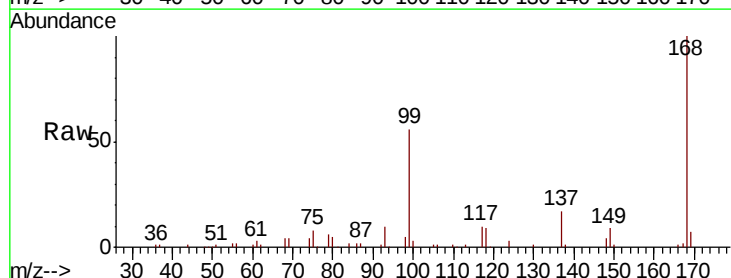


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

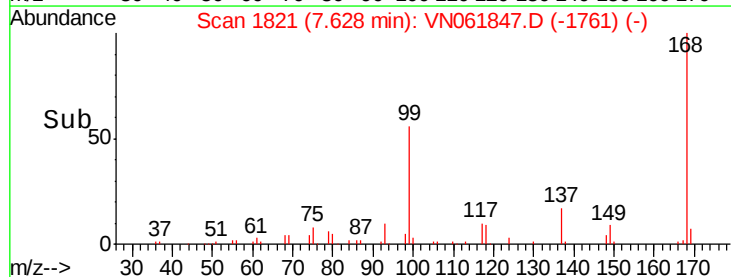
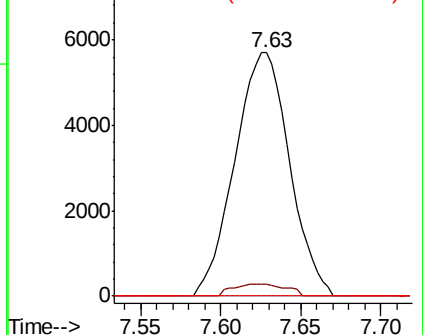


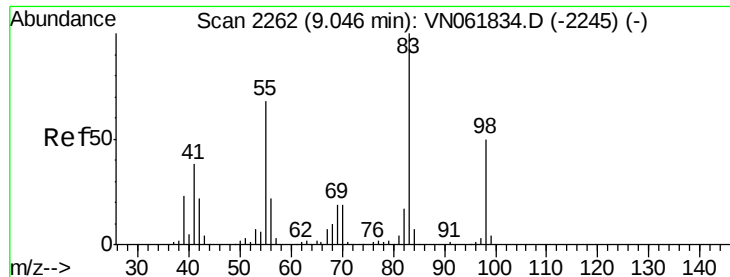
#38
 Carbon Tetrachloride
 Concen: 5.749 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061847.D
 Acq: 17 Jun 2020 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	75.8	113.6#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)
 Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)
 Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)

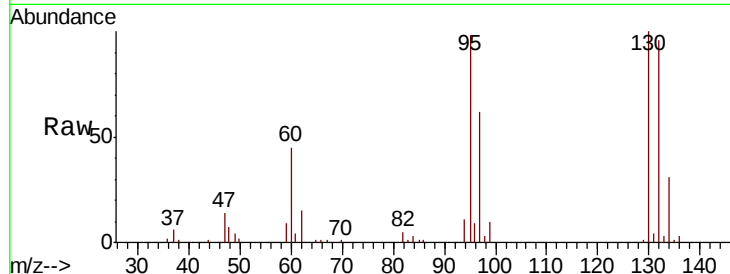




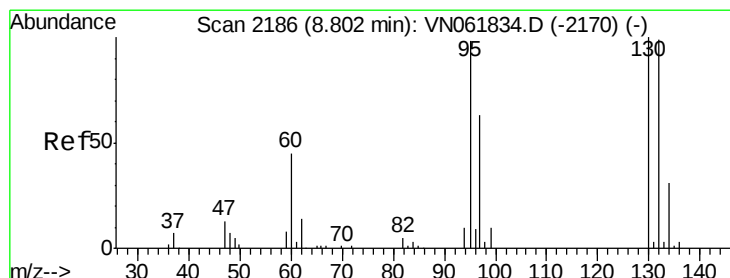
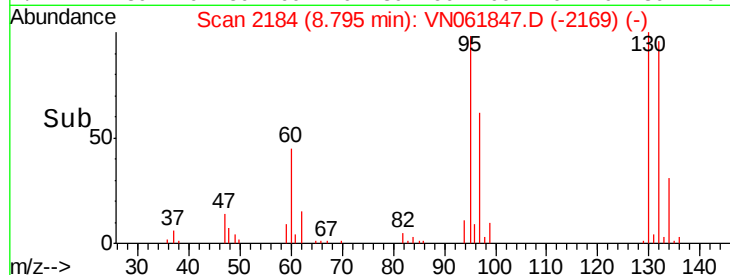
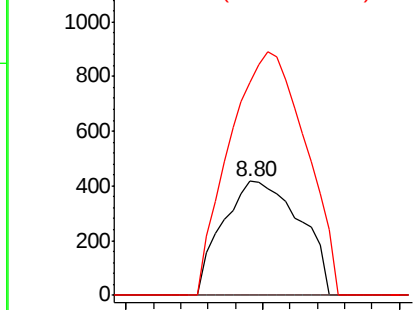
#39
Methylcyclohexane
Concen: 0.325 ug/l
RT: 8.80 min Scan# 2184
Delta R.T. -0.25 min
Lab File: VN061847.D
Acq: 17 Jun 2020 14:39

Instrument :
MSVOA_N
ClientSampleId :
RE103D2-20200610DL

Tot Ion: 83 Resp: 819
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 186.8 39.8 59.6#

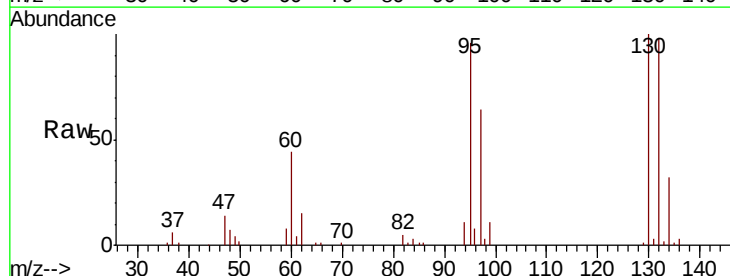


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

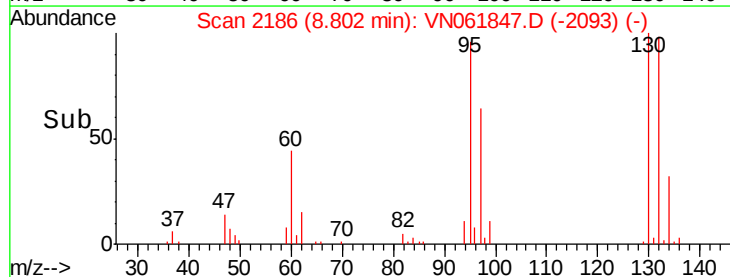
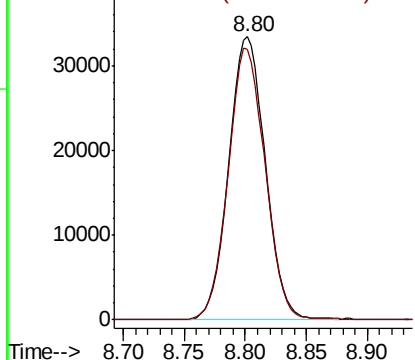


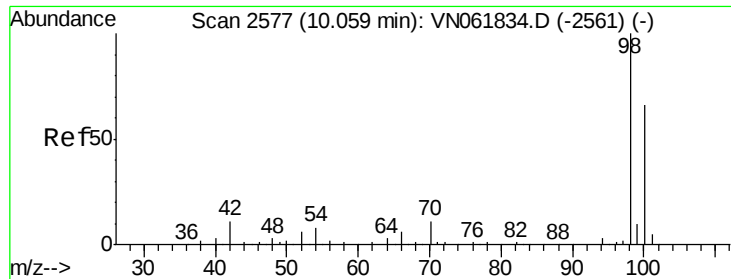
#44
Trichloroethene
Concen: 37.289 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN061847.D
Acq: 17 Jun 2020 14:39

Tgt Ion: 130 Resp: 69652
Ion Ratio Lower Upper
130 100
95 95.7 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 49.332 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061847.D

Acq: 17 Jun 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

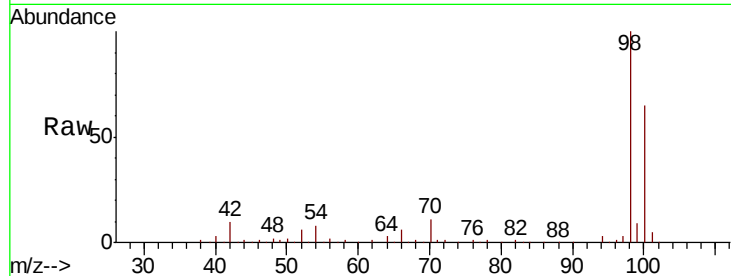
RE103D2-20200610DL

Tot Ion: 98 Resp: 318725

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

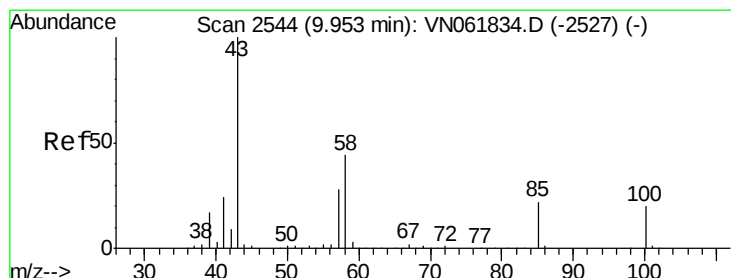
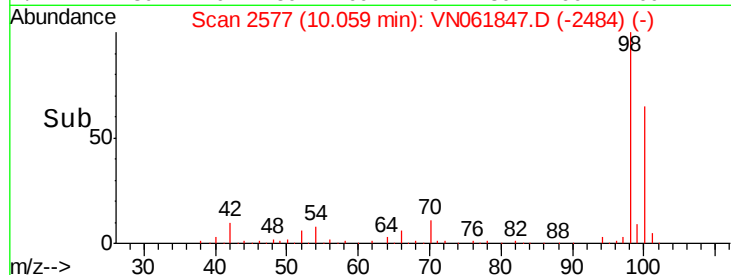
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.593 ug/l

RT: 10.07 min Scan# 2579

Delta R.T. 0.11 min

Lab File: VN061847.D

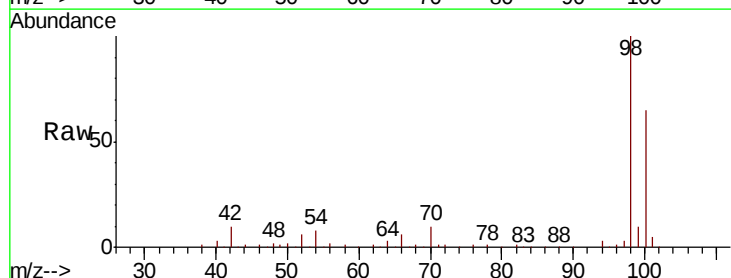
Acq: 17 Jun 2020 14:39

Tgt Ion: 43 Resp: 1081

Ion Ratio Lower Upper

43 100

58 213.0 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

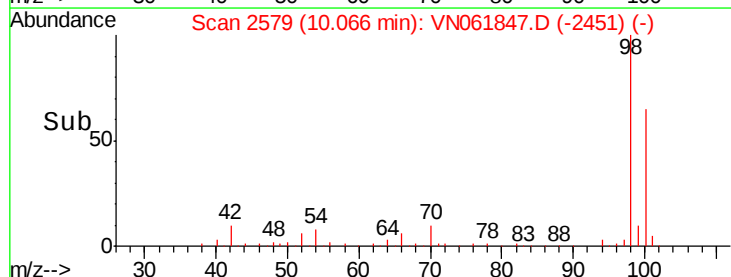
1500

1000

500

0

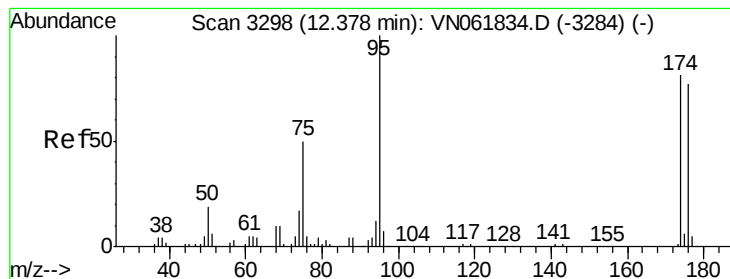
Time-->



10.07

10.05

10.10



#62

4-Bromofluorobenzene

Concen: 48.483 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061847.D

Acq: 17 Jun 2020 14:39

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RE103D2-20200610DL

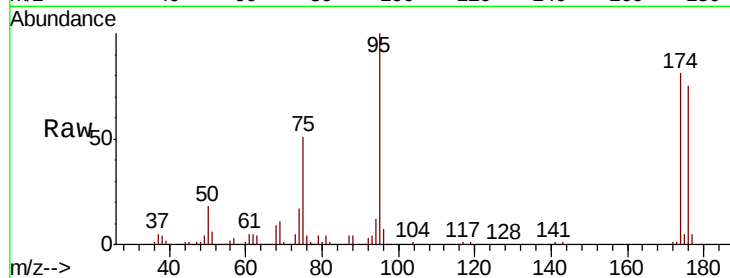
Tot Ion: 95 Resp: 107445

Ion Ratio Lower Upper

95 100

174 79.6 0.0 158.6

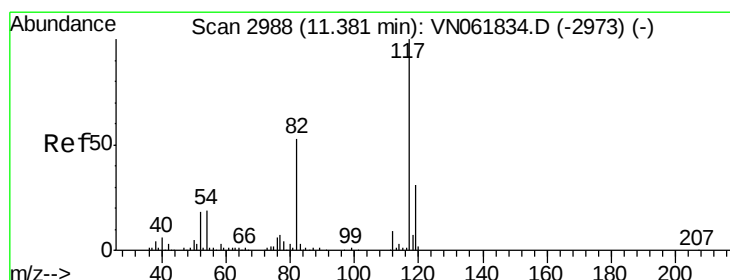
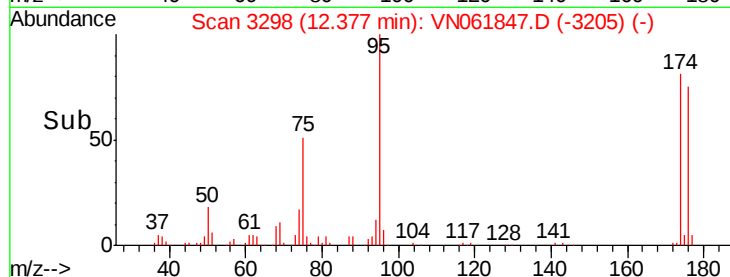
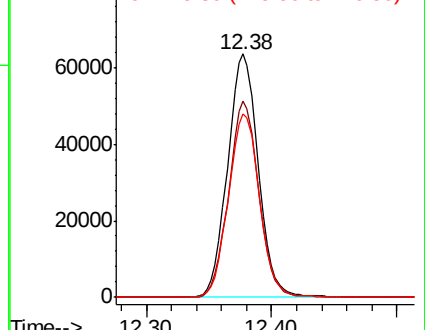
176 76.3 0.0 152.0



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: VN061847.D

Acq: 17 Jun 2020 14:39

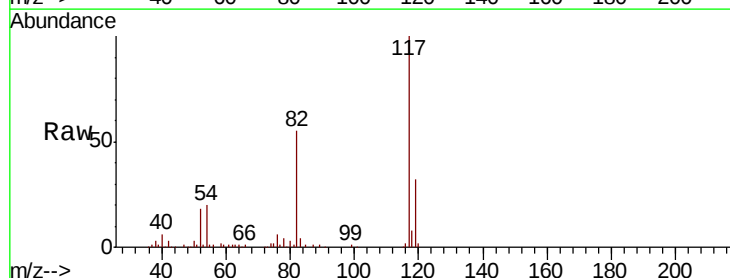
Tgt Ion: 117 Resp: 245180

Ion Ratio Lower Upper

117 100

82 55.2 42.6 64.0

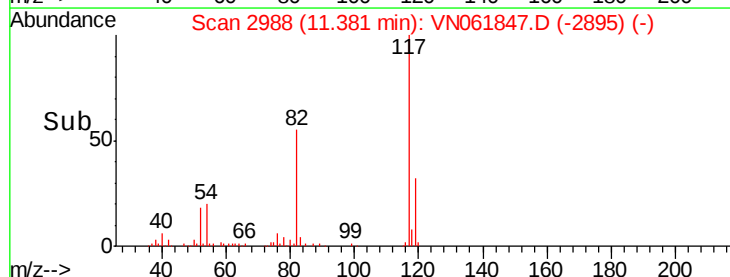
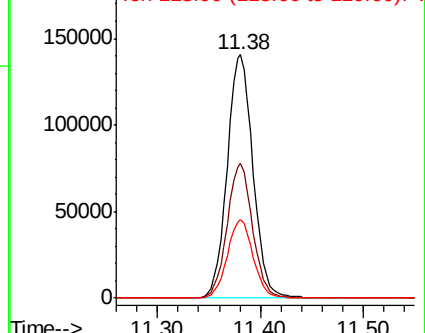
119 32.4 24.7 37.1

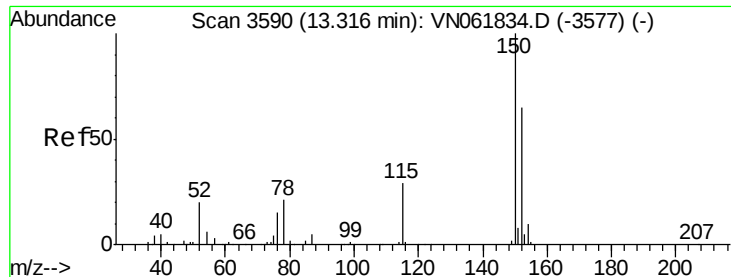


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061847.D

Acq: 17 Jun 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200610DL

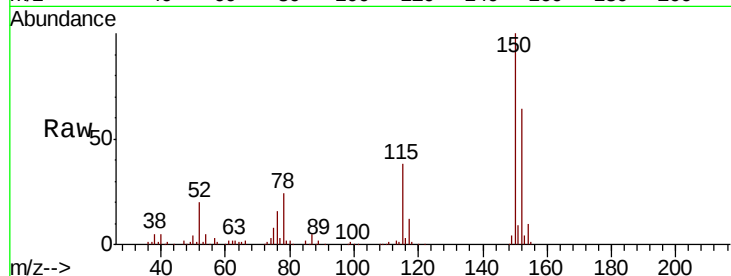
Tot Ion:152 Resp: 98005

Ion Ratio Lower Upper

152 100

115 59.2 29.1 87.3

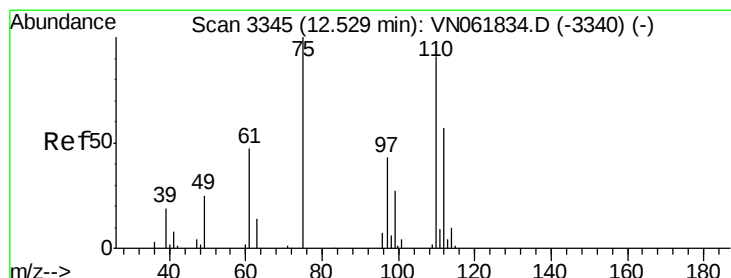
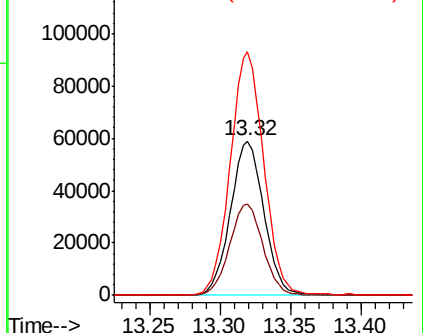
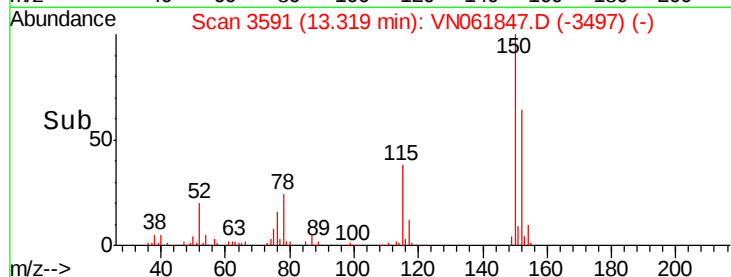
150 158.1 0.0 347.6



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: 27.633 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061847.D

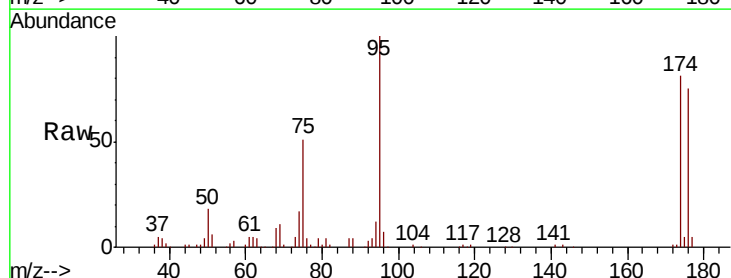
Acq: 17 Jun 2020 14:39

Tgt Ion: 75 Resp: 53169

Ion Ratio Lower Upper

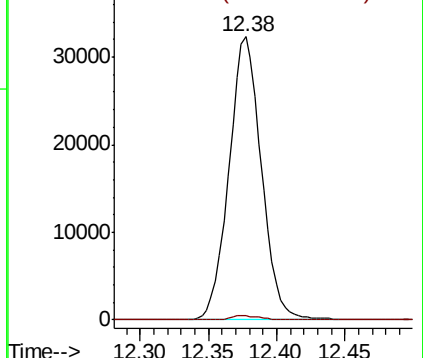
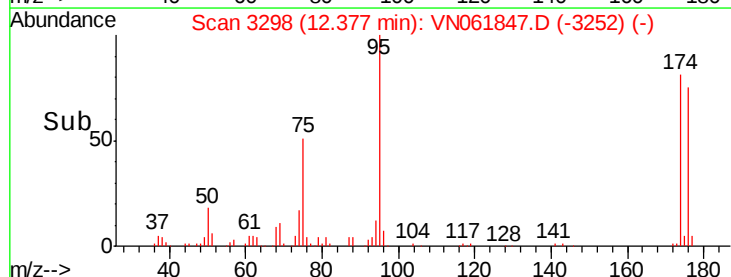
75 100

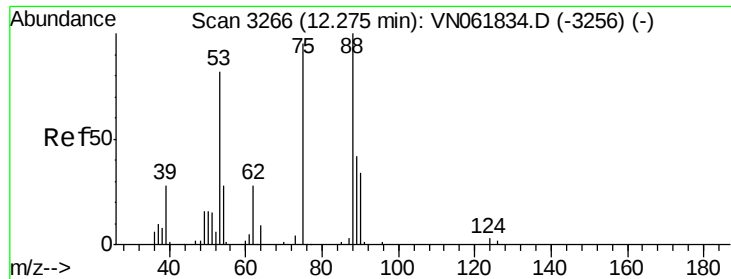
77 1.3 0.0 0.0#



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: 75.368 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061847.D

Acq: 17 Jun 2020 14:39

Instrument :

MSVOA_N

ClientSampleId :

RE103D2-20200610DL

Tot Ion: 75 Resp: 53169

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

