

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061900.D
 Acq On : 18 Jun 2020 15:15
 Operator : JC/MD
 Sample : L3011-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D3-20200612

Quant Time: Jun 19 05:26:41 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	134161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	246511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	239359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87873	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	89785	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	7.55	113	80121	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.06	98	309927	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.38	95	98599	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	

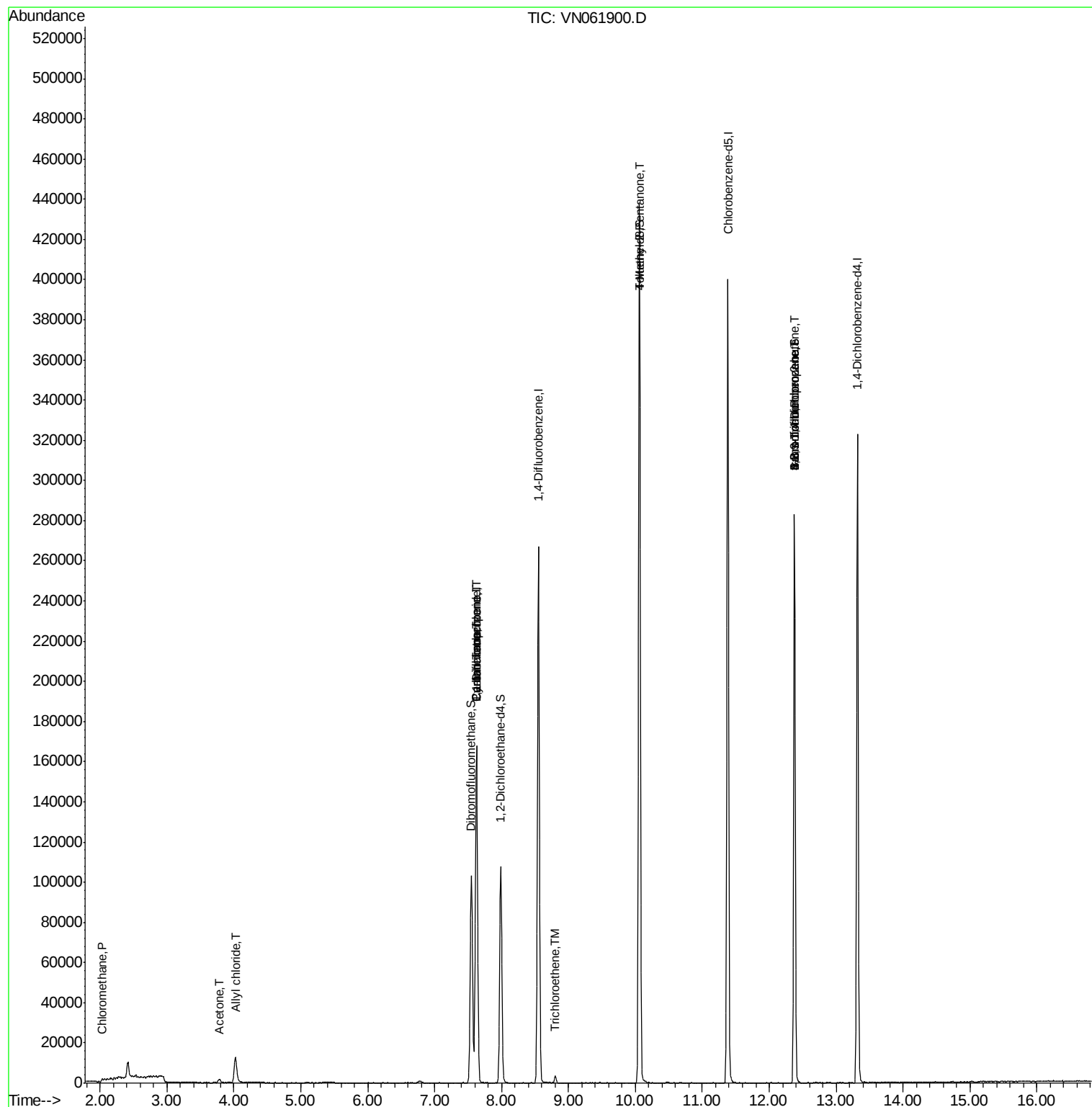
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	749	0.402	ug/l #	86
14) Allyl chloride	4.02	41	2144	1.185	ug/l #	64
16) Acetone	3.78	43	3229	6.075	ug/l #	81
31) Cyclohexane	7.63	56	2624	1.107	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10580	4.705	ug/l #	47
38) Carbon Tetrachloride	7.62	117	13451	6.041	ug/l #	17
44) Trichloroethene	8.80	130	1409	0.786	ug/l	100
51) 4-Methyl-2-Pentanone	10.06	43	1094	0.626	ug/l #	1
71) Bromoform	12.38	173	1023	0.796	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	50865	29.484	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	50865	80.416	ug/l #	14

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

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Quant Time: Jun 19 05:26:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
Quant Title : SW846 8260
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: VN061900.D

Acq: 18 Jun 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

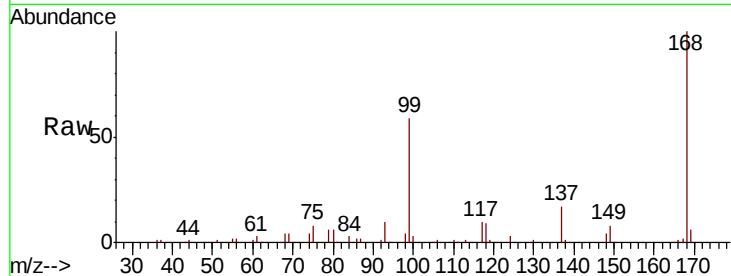
RE104D3-20200612

Tot Ion:168 Resp: 134161

Ion Ratio Lower Upper

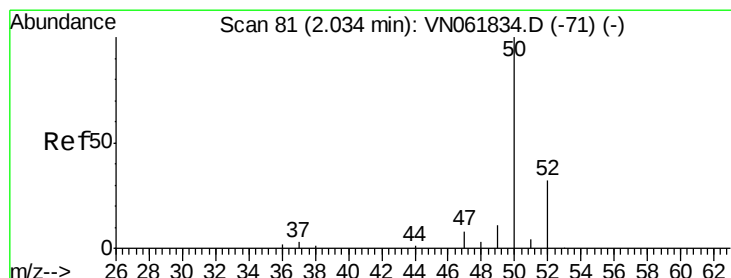
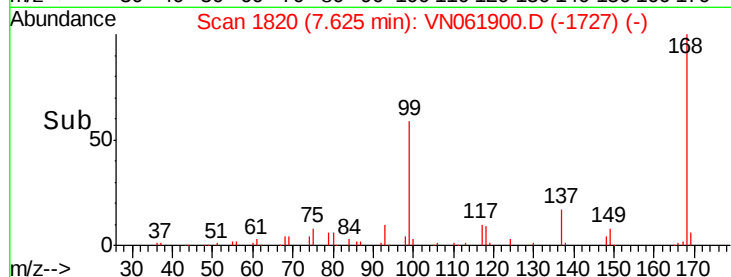
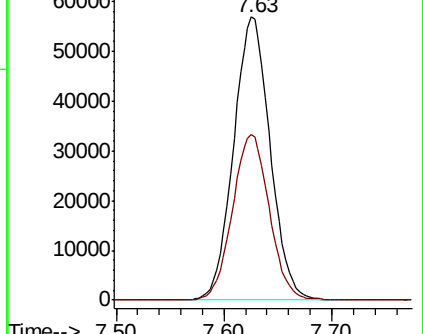
168 100

99 58.6 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.402 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061900.D

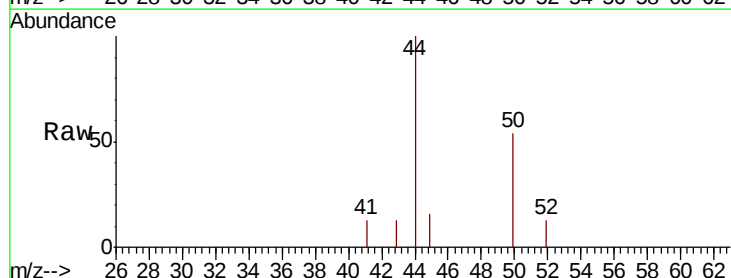
Acq: 18 Jun 2020 15:15

Tgt Ion: 50 Resp: 749

Ion Ratio Lower Upper

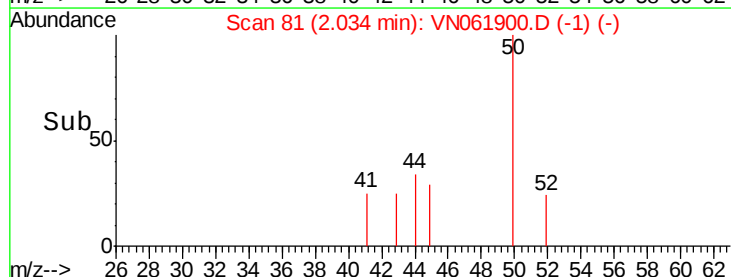
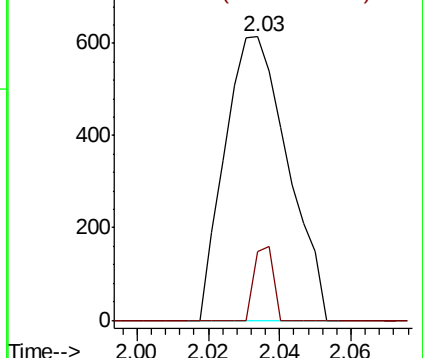
50 100

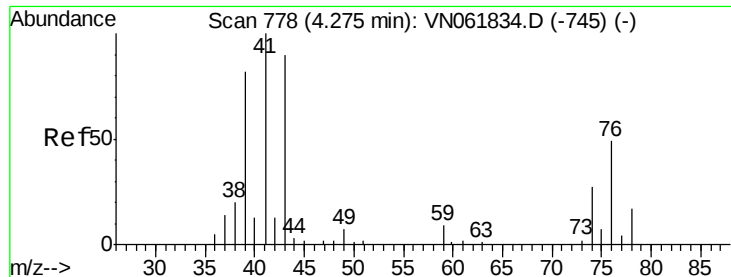
52 24.4 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

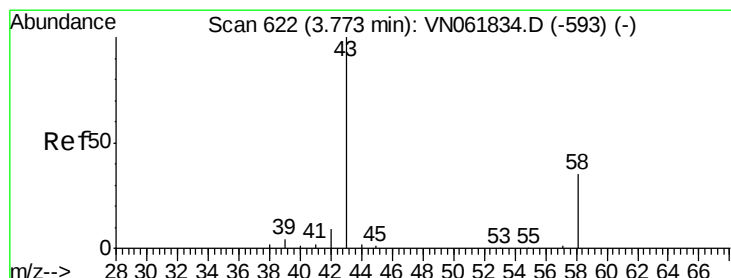
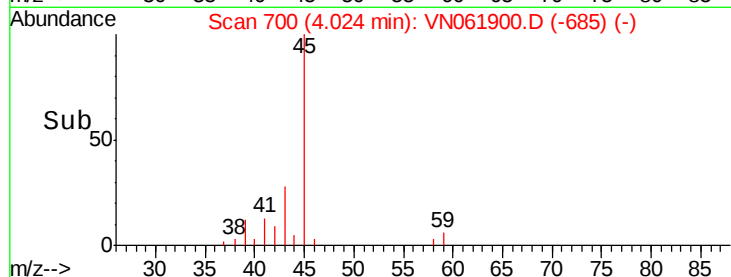
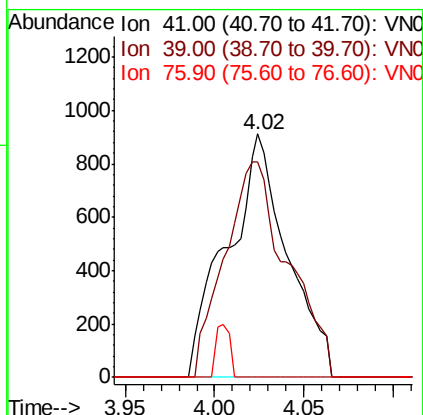
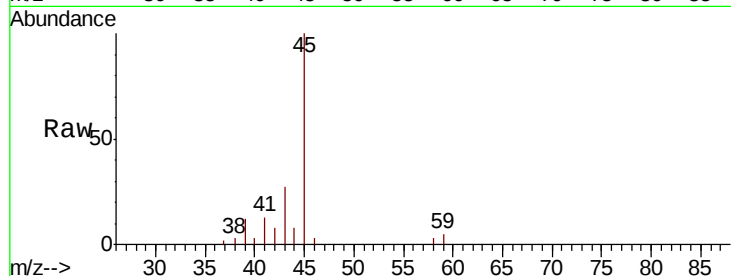




#14
Allvl chloride
Concen: 1.185 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.25 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

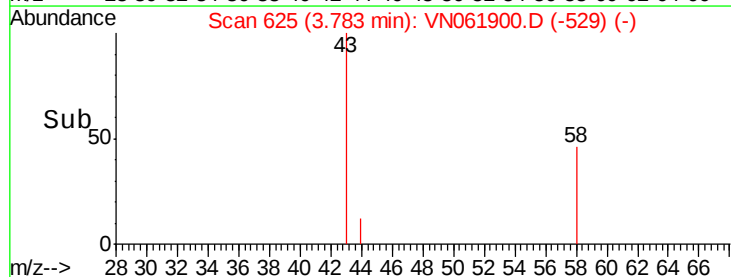
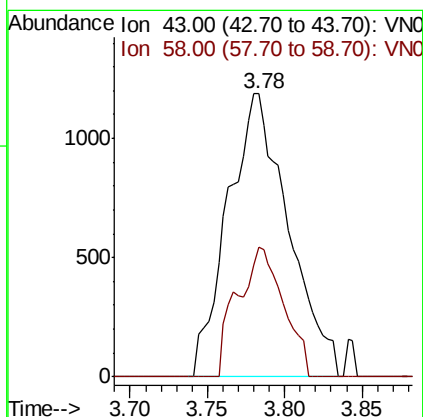
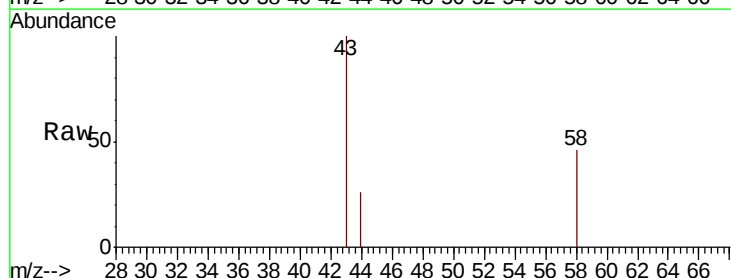
Instrument :
MSVOA_N
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RE104D3-20200612

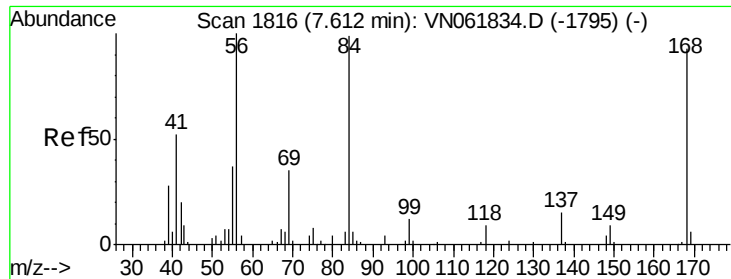
Tot Ion: 41 Resp: 2144
Ion Ratio Lower Upper
41 100
39 92.9 60.2 90.2#
76 4.9 36.3 54.5#



#16
Acetone
Concen: 6.075 ug/l
RT: 3.78 min Scan# 625
Delta R.T. 0.01 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

Tgt Ion: 43 Resp: 3229
Ion Ratio Lower Upper
43 100
58 45.9 27.8 41.8#

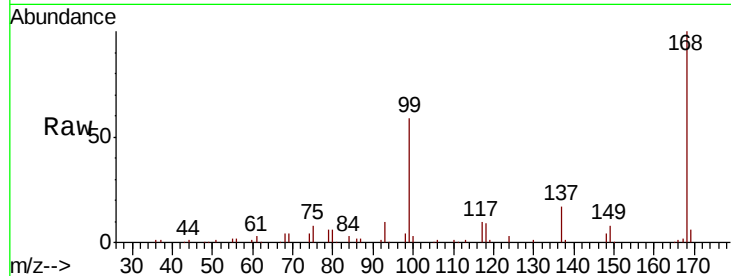




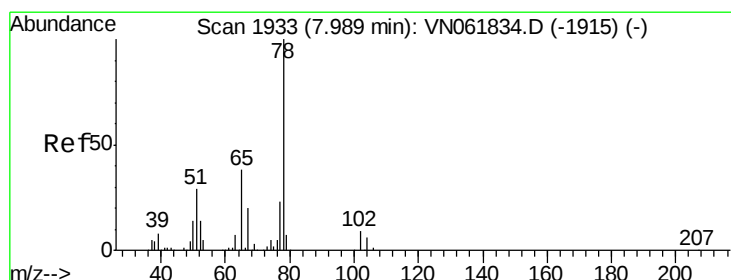
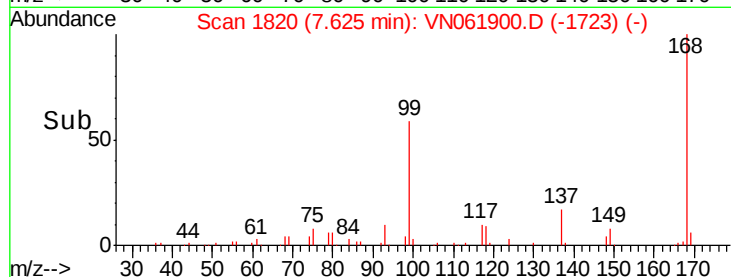
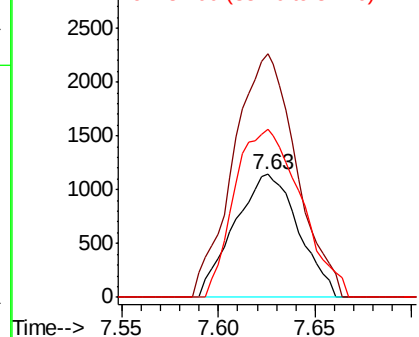
#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

Instrument :
MSVOA_N
ClientSampleId :
RE104D3-20200612

Tot Ion: 56 Resp: 2624
Ion Ratio Lower Upper
56 100
69 198.3 27.7 41.5#
84 137.0 79.1 118.7#

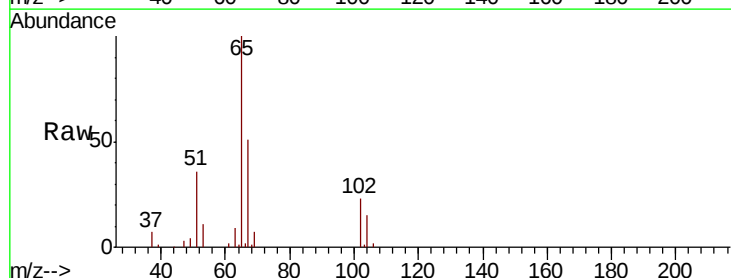


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

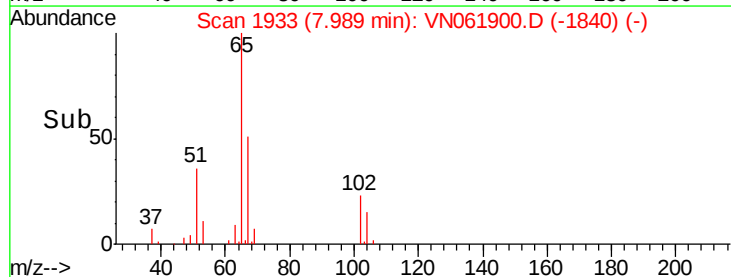
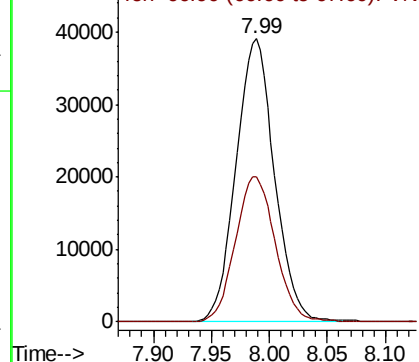


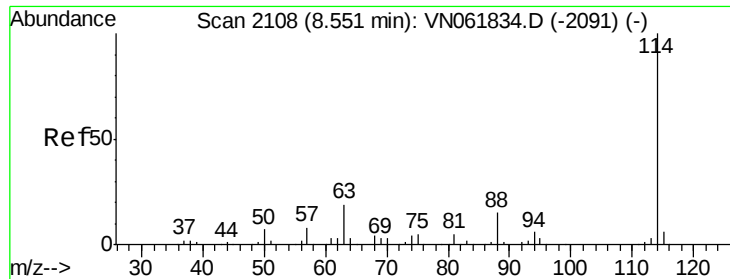
#33
1,2-Dichloroethane-d4
Concen: 49.900 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

Tgt Ion: 65 Resp: 89785
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.2



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

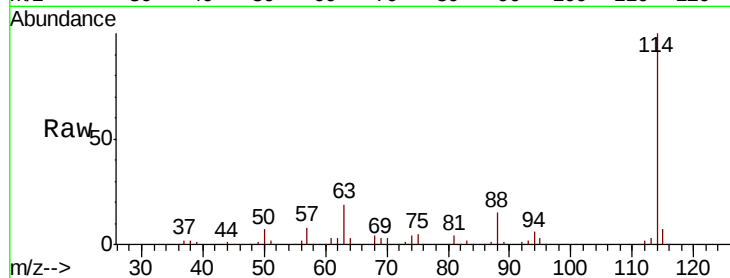




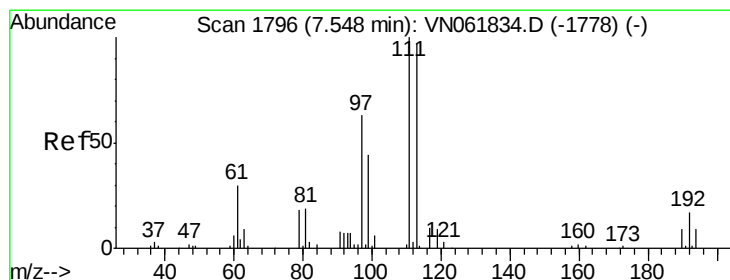
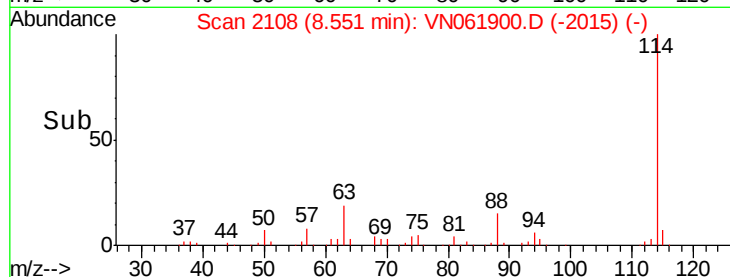
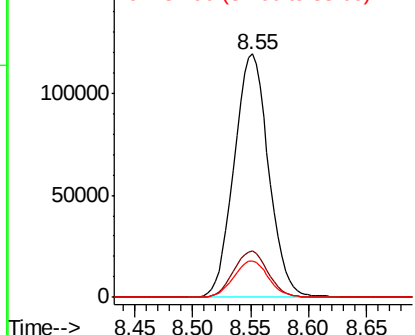
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

Instrument :
MSVOA_N
ClientSampleId :
RE104D3-20200612

Tot Ion:114 Resp: 246511
Ion Ratio Lower Upper
114 100
63 18.8 0.0 37.6
88 15.1 0.0 31.0

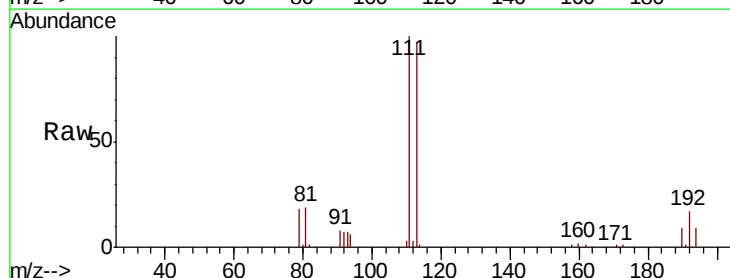


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

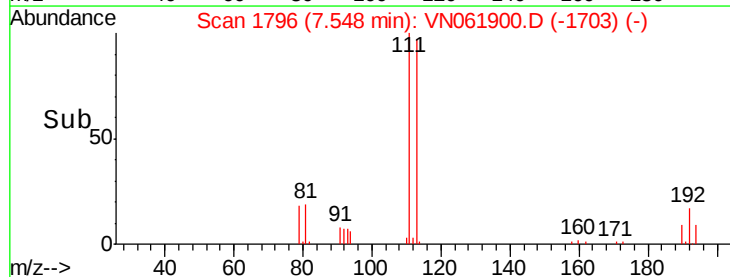
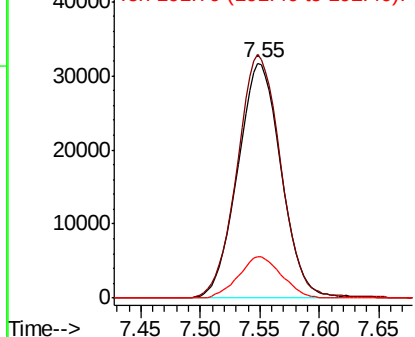


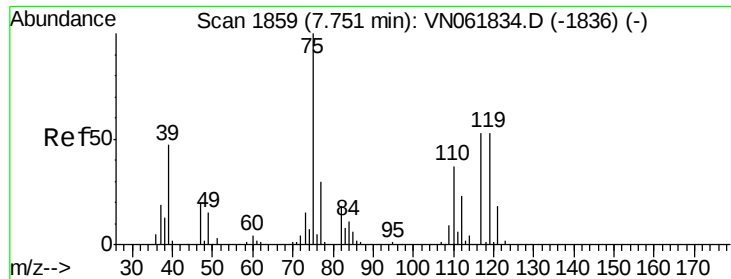
#35
Dibromofluoromethane
Concen: 50.804 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

Tgt Ion:113 Resp: 80121
Ion Ratio Lower Upper
113 100
111 104.1 83.7 125.5
192 17.4 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: 4.705 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN061900.D

Acq: 18 Jun 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

RE104D3-20200612

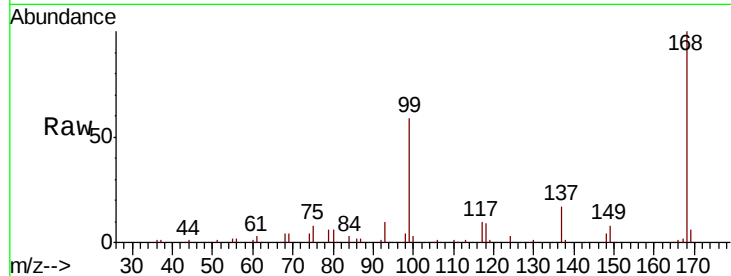
Tot Ion: 75 Resp: 10580

Ion Ratio Lower Upper

75 100

110 6.9 18.2 54.6#

77 0.0 24.2 36.4#



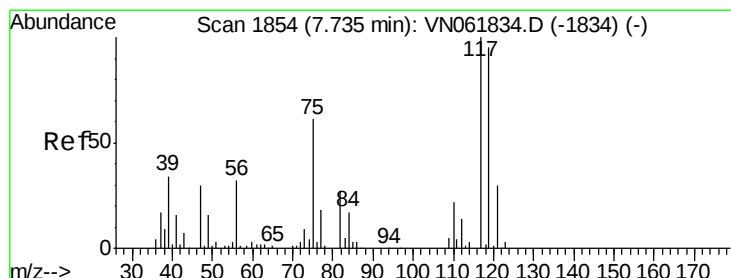
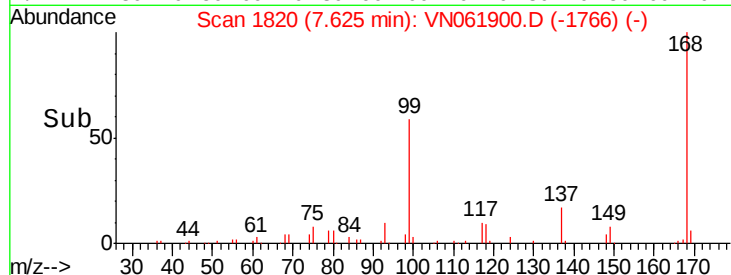
Abundance Ion 74.90 (74.60 to 75.60): VN061900.D (-1766) (-)

Ion 109.90 (109.60 to 110.60): VN061900.D (-1766) (-)

Ion 76.90 (76.60 to 77.60): VN061900.D (-1766) (-)

7.63

Time-->



#38

Carbon Tetrachloride

Concen: 6.041 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061900.D

Acq: 18 Jun 2020 15:15

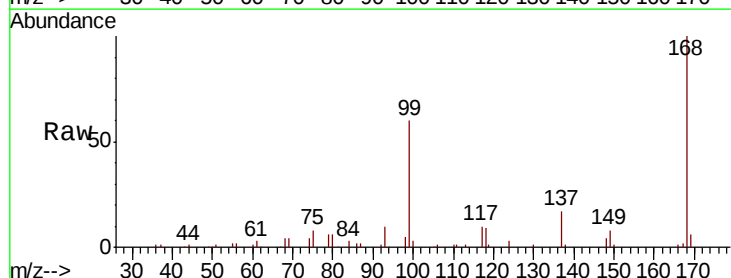
Tgt Ion: 117 Resp: 13451

Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 23.8 35.6#



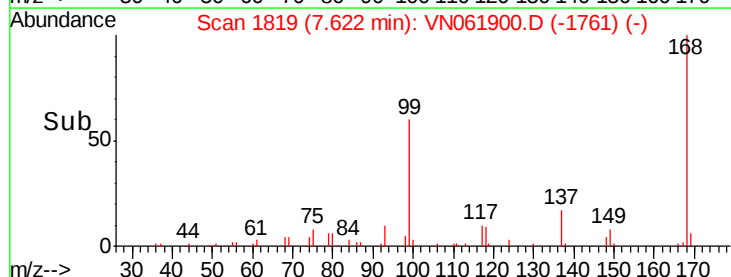
Abundance Ion 116.80 (116.50 to 117.50): VN061900.D (-1761) (-)

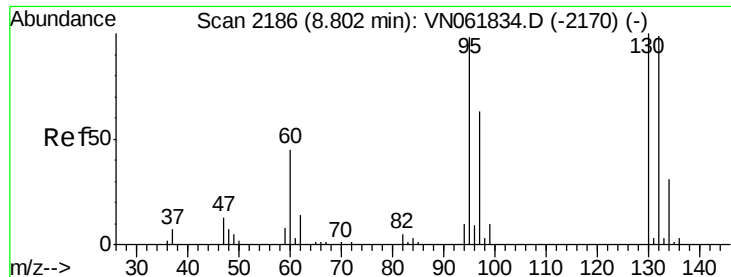
Ion 118.80 (118.50 to 119.50): VN061900.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN061900.D (-1761) (-)

7.62

Time-->





#44

Trichloroethene

Concen: 0.786 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061900.D

Acq: 18 Jun 2020 15:15

Instrument :

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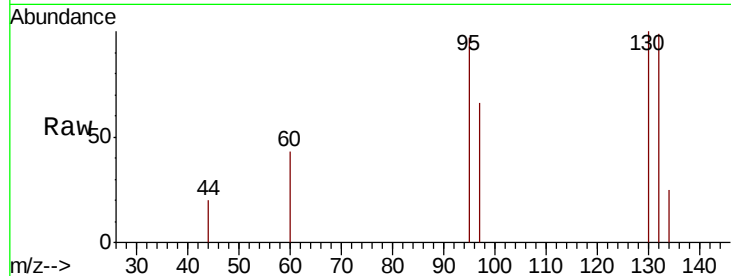
RE104D3-20200612

Tot Ion:130 Resp: 1409

Ion Ratio Lower Upper

130 100

95 97.5 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)

8.80

800

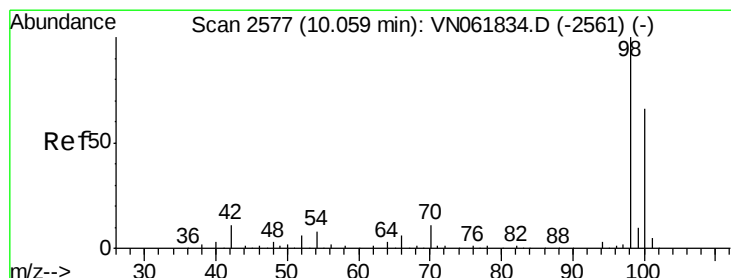
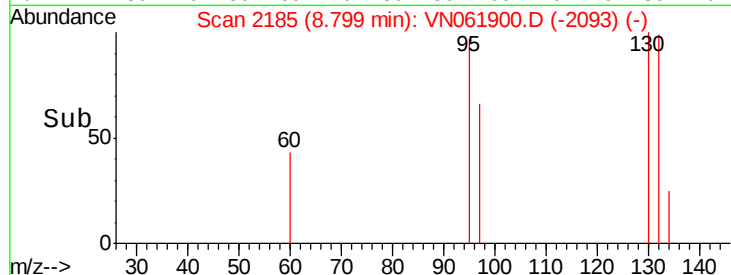
600

400

200

0

Time-->



#50

Toluene-d8

Concen: 49.988 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061900.D

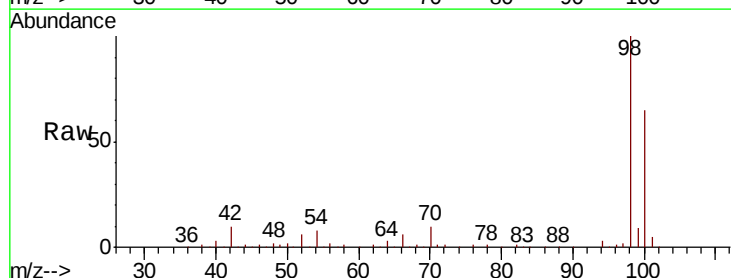
Acq: 18 Jun 2020 15:15

Tgt Ion: 98 Resp: 309927

Ion Ratio Lower Upper

98 100

100 65.2 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

200000

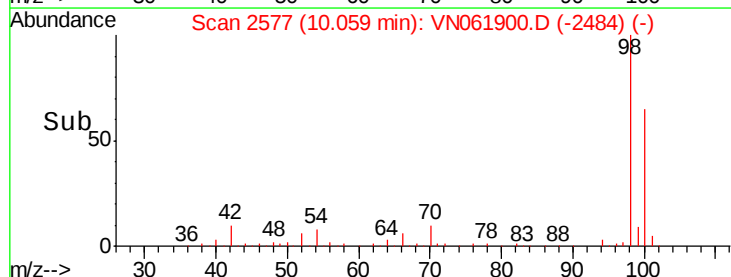
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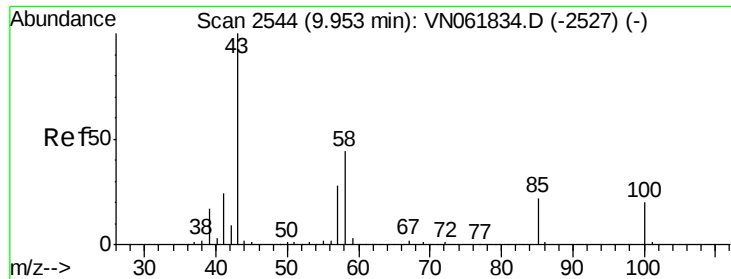
100000

50000

0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.626 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061900.D

Acq: 18 Jun 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

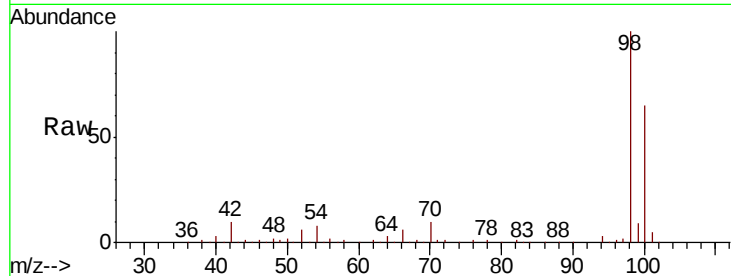
RE104D3-20200612

Tot Ion: 43 Resp: 1094

Ion Ratio Lower Upper

43 100

58 186.5 34.6 52.0#

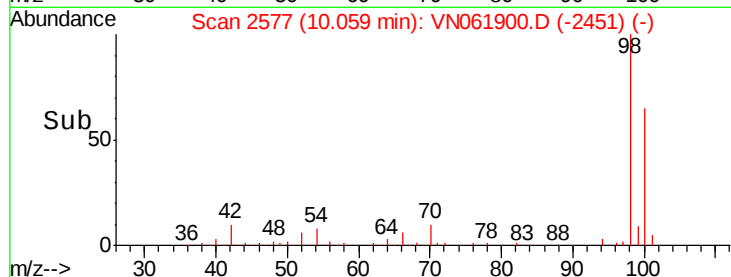


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

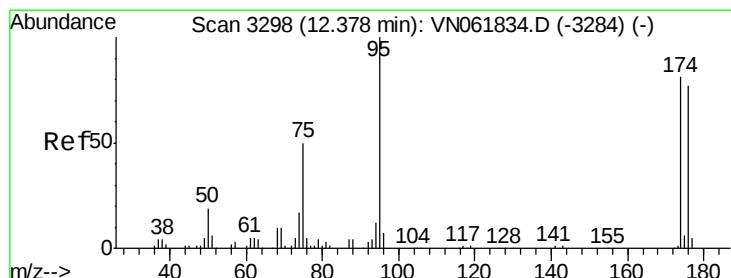
Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

10.06

10.05 10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 46.362 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061900.D

Acq: 18 Jun 2020 15:15

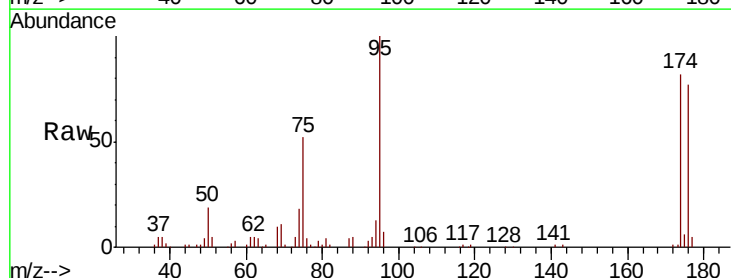
Tgt Ion: 95 Resp: 98599

Ion Ratio Lower Upper

95 100

174 81.1 0.0 158.6

176 76.0 0.0 152.0



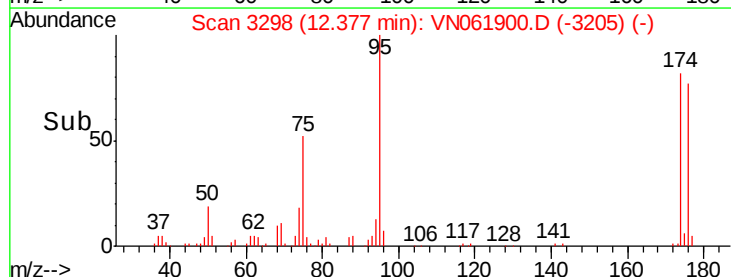
Abundance Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

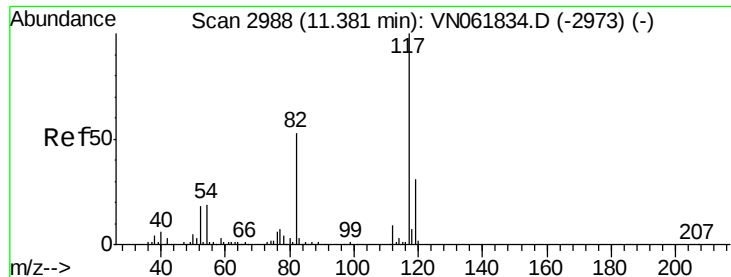
Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)

12.38

12.30 12.40



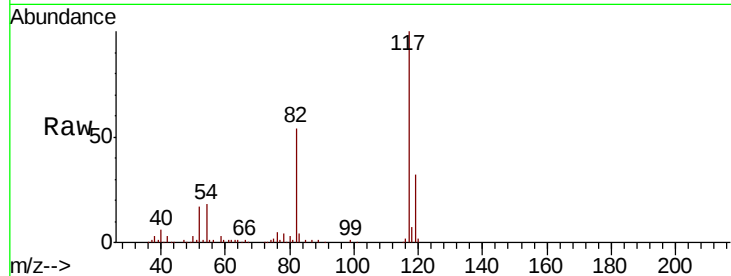
Time-->



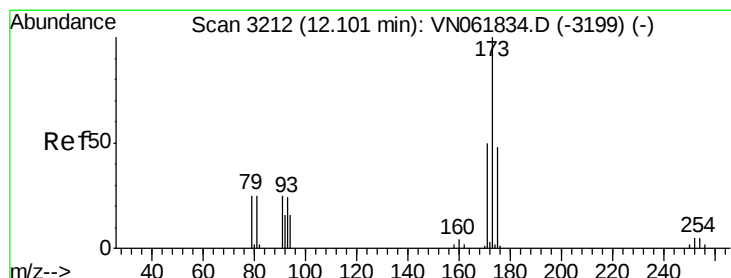
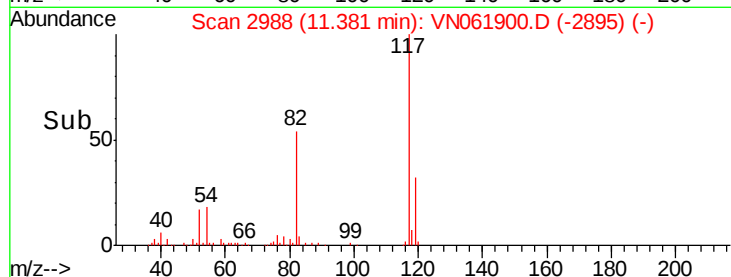
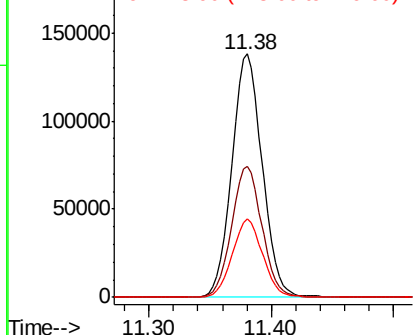
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

Instrument :
MSVOA_N
ClientSampleId :
RE104D3-20200612

Tot Ion:117 Resp: 239359
Ion Ratio Lower Upper
117 100
82 53.8 42.6 64.0
119 32.1 24.7 37.1

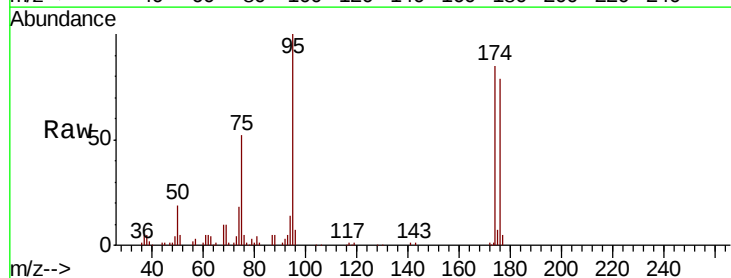


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

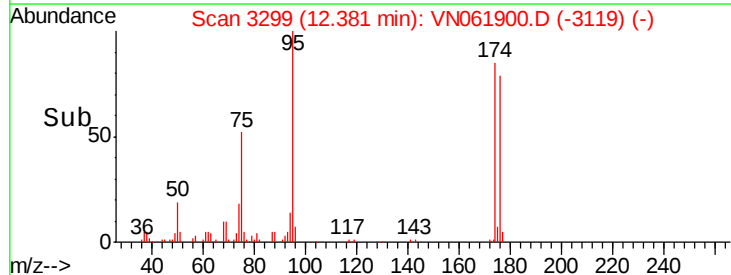
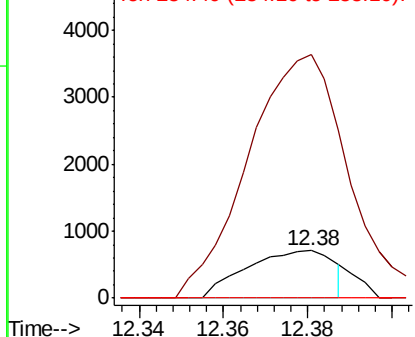


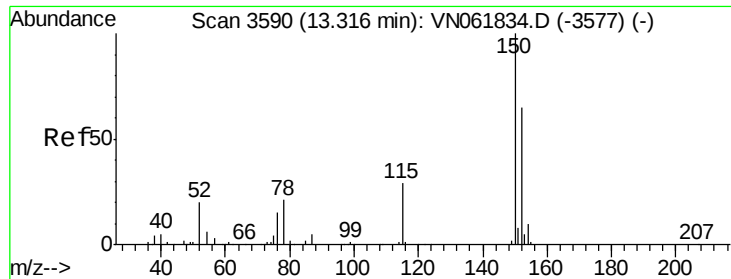
#71
Bromoform
Concen: 0.796 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.28 min
Lab File: VN061900.D
Acq: 18 Jun 2020 15:15

Tgt Ion:173 Resp: 1023
Ion Ratio Lower Upper
173 100
175 500.1 23.9 71.7#
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: VN061900.D

Acq: 18 Jun 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

RE104D3-20200612

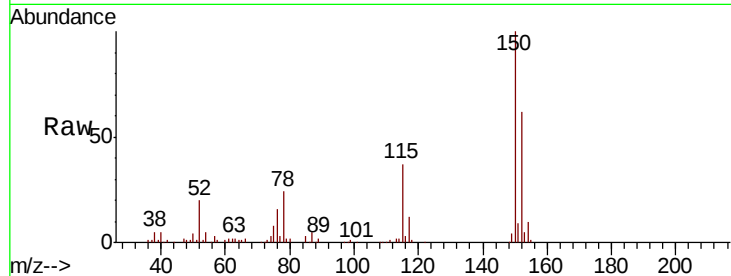
Tot Ion:152 Resp: 87873

Ion Ratio Lower Upper

152 100

115 58.9 29.1 87.3

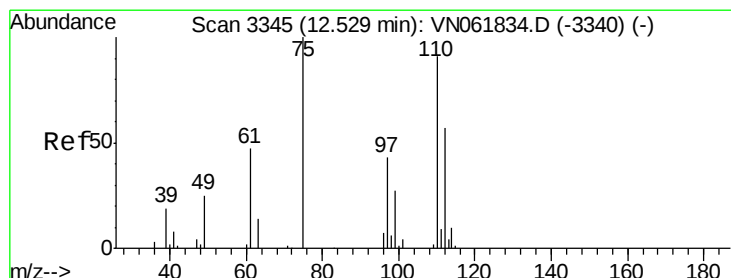
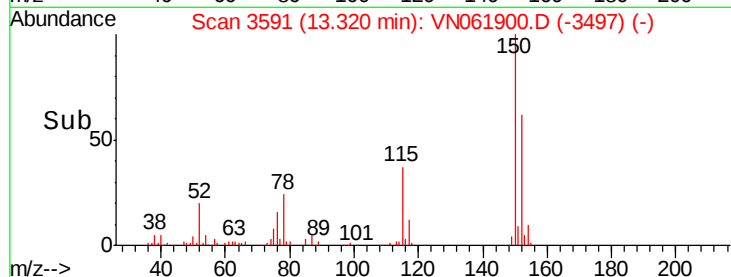
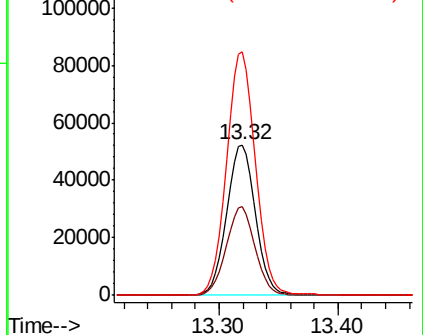
150 162.2 0.0 347.6



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: 29.484 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061900.D

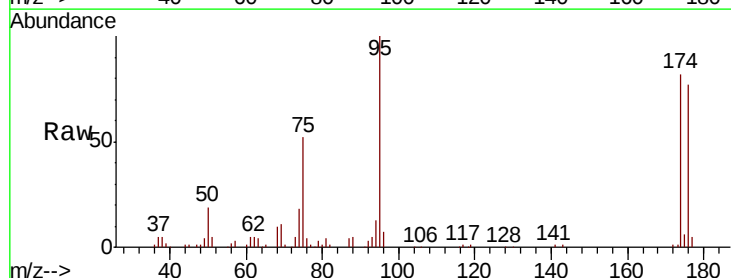
Acq: 18 Jun 2020 15:15

Tgt Ion: 75 Resp: 50865

Ion Ratio Lower Upper

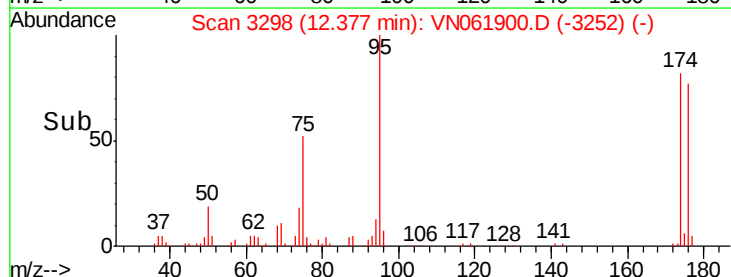
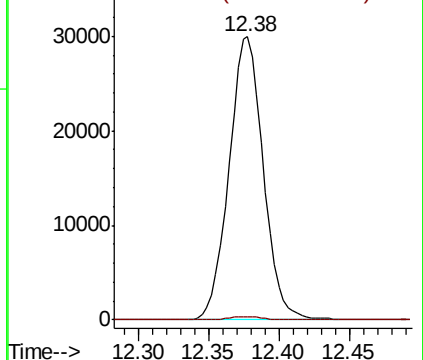
75 100

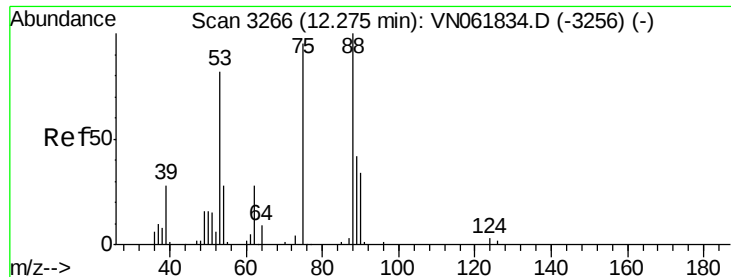
77 1.0 0.0 0.0#



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: 80.416 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061900.D

Acq: 18 Jun 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

RE104D3-20200612

Tot Ion: 75 Resp: 50865

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

89 0.0 36.0 54.0#

