

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061720\
 Data File : VN061870.D
 Acq On : 18 Jun 2020 00:40
 Operator : JC/MD
 Sample : L3011-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D1-20200611

Quant Time: Jun 18 04:00:15 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	136686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	250212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90256	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	90286	49.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.50%	
35) Dibromofluoromethane	7.55	113	81258	50.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.52%	
50) Toluene-d8	10.06	98	314441	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.38	95	100296	46.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.92%	

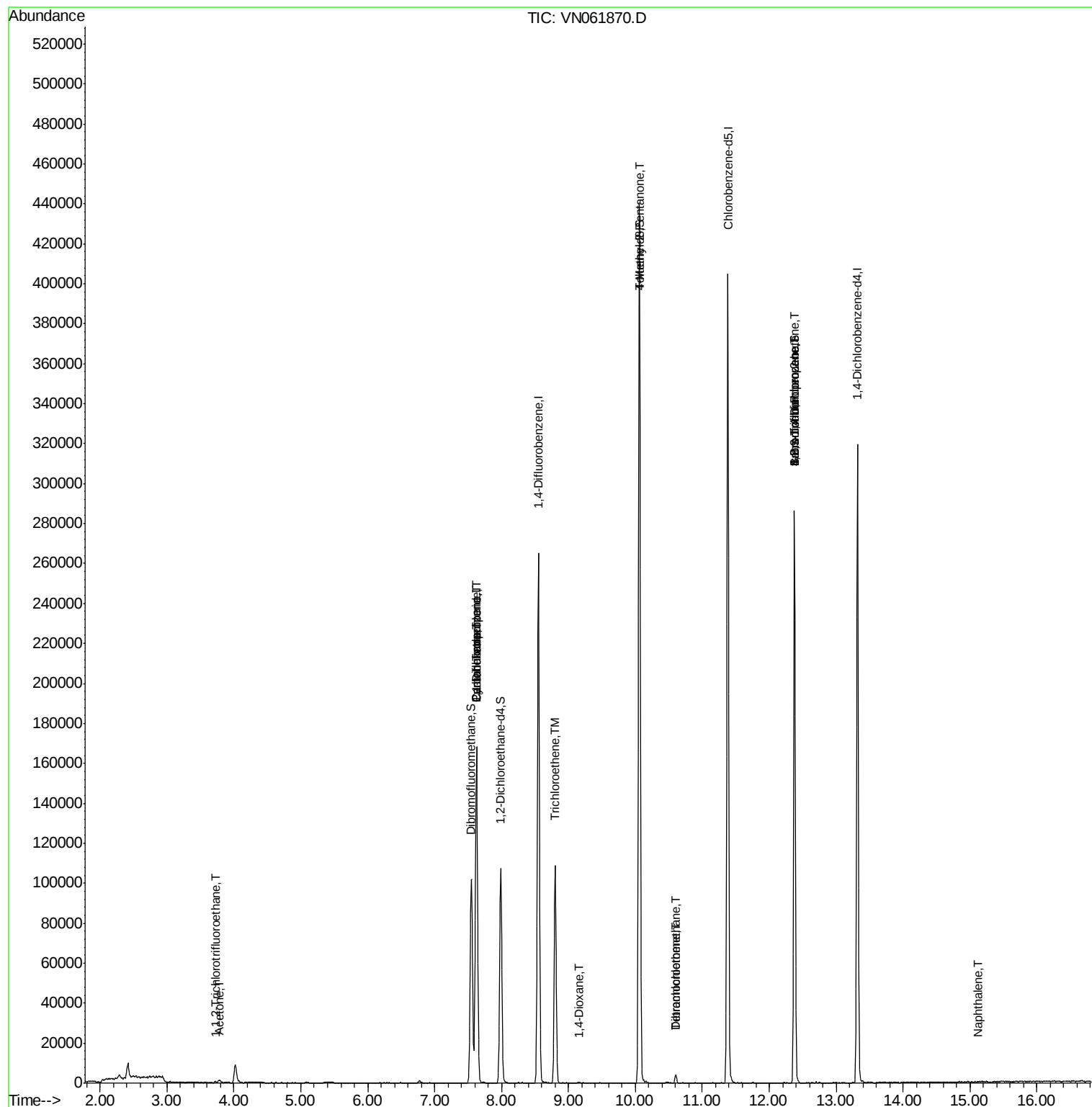
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.73	101	534	0.385	ug/l #	59
16) Acetone	3.78	43	2843	5.250	ug/l #	74
31) Cyclohexane	7.63	56	2915	1.207	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	10748	4.709	ug/l #	47
38) Carbon Tetrachloride	7.62	117	13684	6.055	ug/l #	17
44) Trichloroethene	8.80	130	40946	22.505	ug/l	98
49) 1,4-Dioxane	9.16	88	265	8.451	ug/l #	28
51) 4-Methyl-2-Pentanone	10.05	43	1032	0.581	ug/l #	1
60) Dibromochloromethane	10.60	129	1023	0.537	ug/l #	11
64) Tetrachloroethene	10.60	164	1061	0.688	ug/l	95
71) Bromoform	12.37	173	918	0.707	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49400	27.879	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49400	76.037	ug/l #	14
95) Naphthalene	15.11	128	118	3.508	ug/l #	69

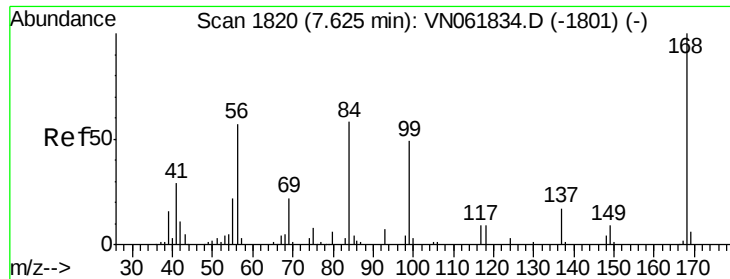
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061870.D

Acq: 18 Jun 2020 00:40

Instrument :

MSVOA_N

ClientSampleId :

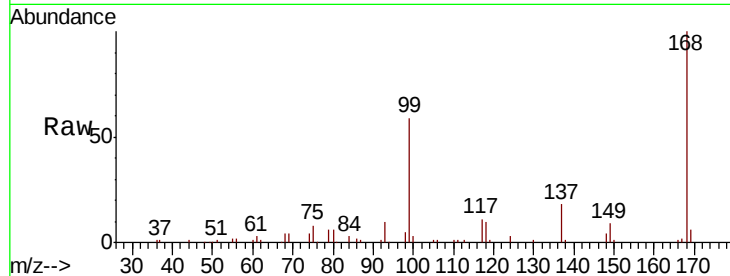
RE109D1-20200611

Tot Ion:168 Resp: 136686

Ion Ratio Lower Upper

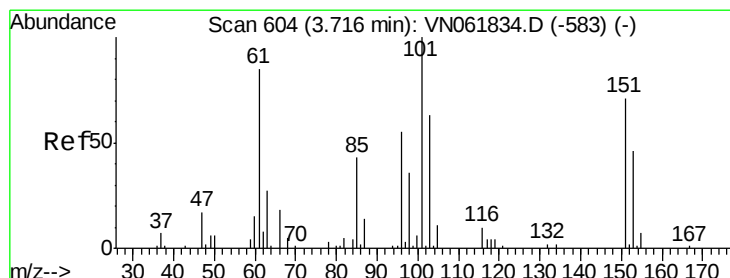
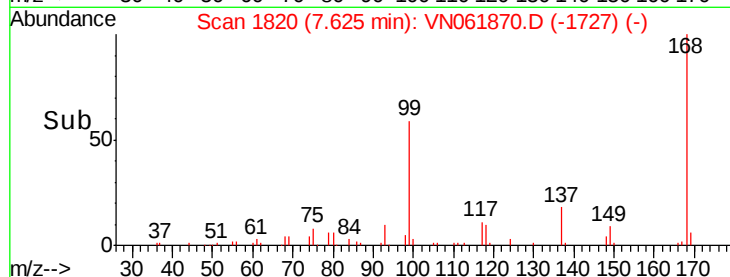
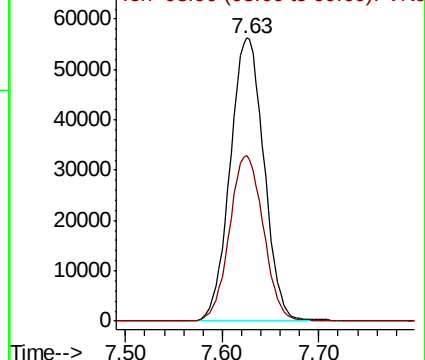
168 100

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): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.385 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.01 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

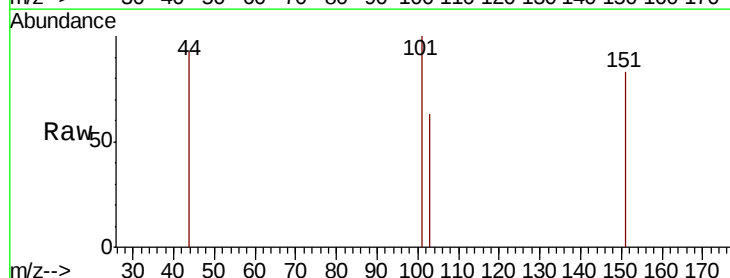
Tgt Ion:101 Resp: 534

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

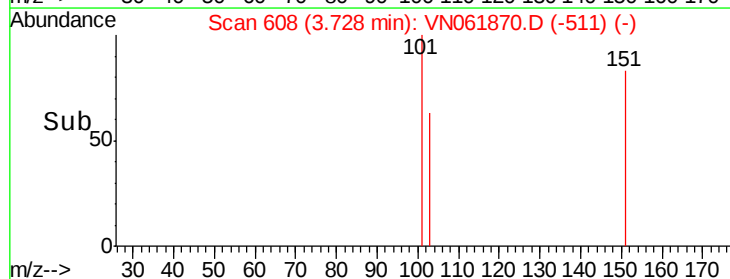
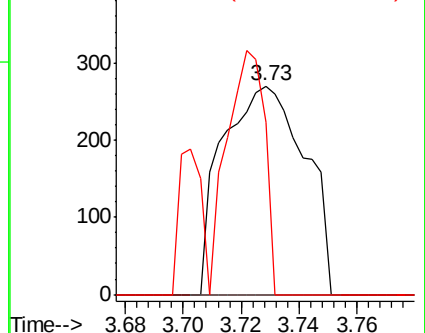
151 53.2 59.2 88.8#

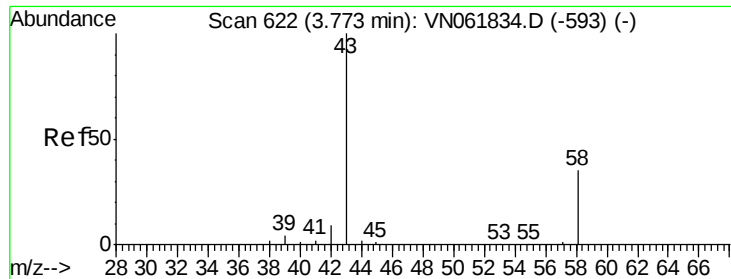


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V





#16

Acetone

Concen: 5.250 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

Instrument :

MSVOA_N

ClientSampleId :

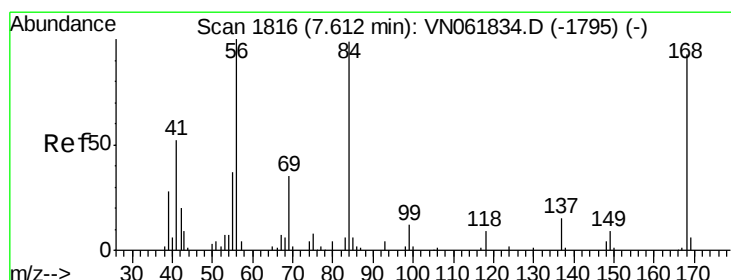
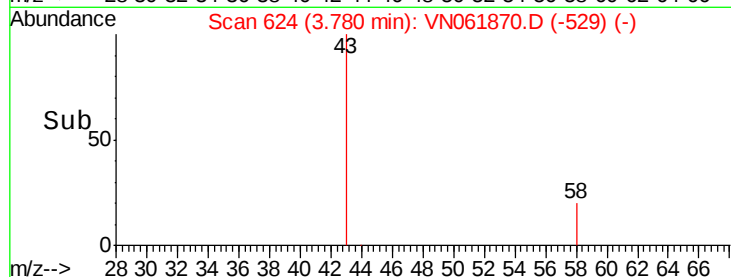
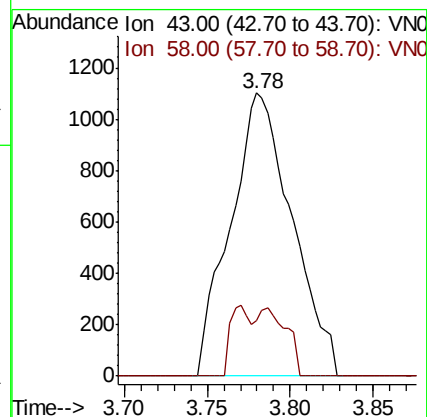
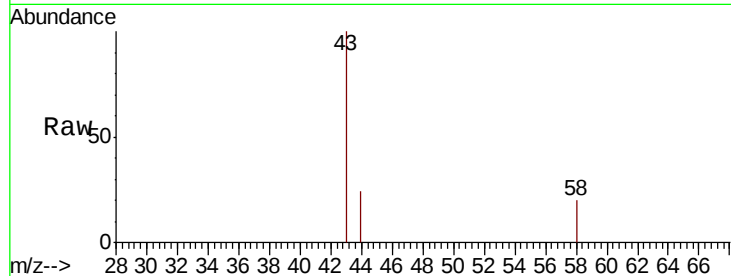
RE109D1-20200611

Tot Ion: 43 Resp: 2843

Ion Ratio Lower Upper

43 100

58 19.7 27.8 41.8#



#31

Cyclohexane

Concen: 1.207 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

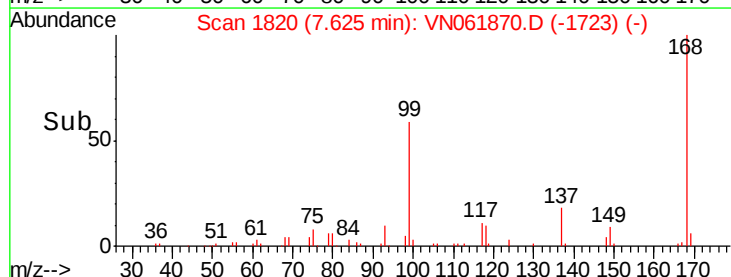
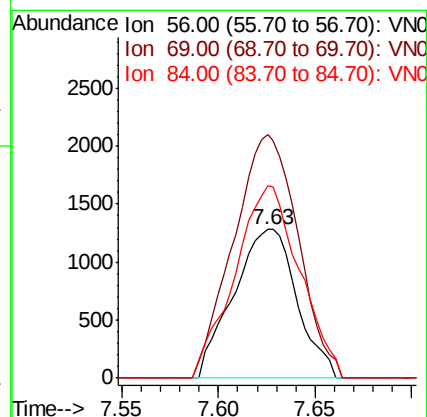
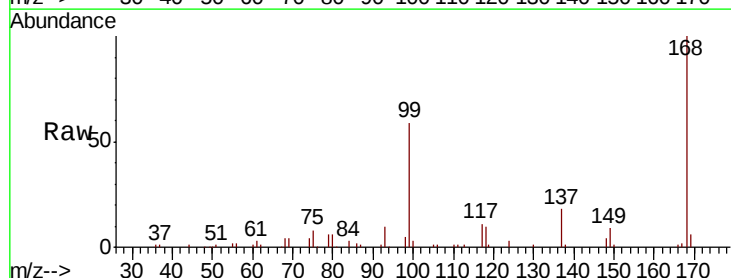
Tgt Ion: 56 Resp: 2915

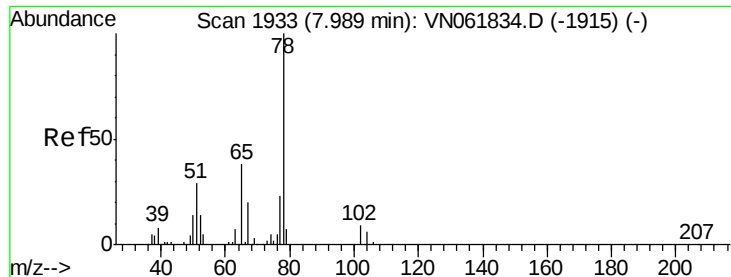
Ion Ratio Lower Upper

56 100

69 163.9 27.7 41.5#

84 129.6 79.1 118.7#

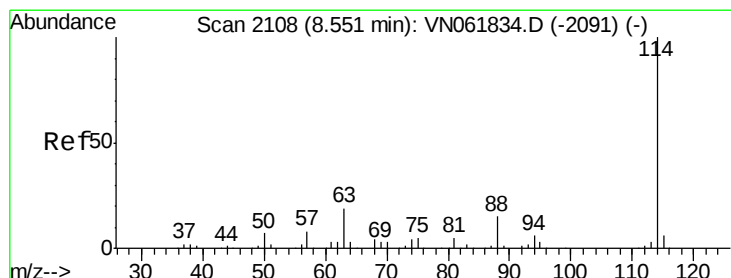
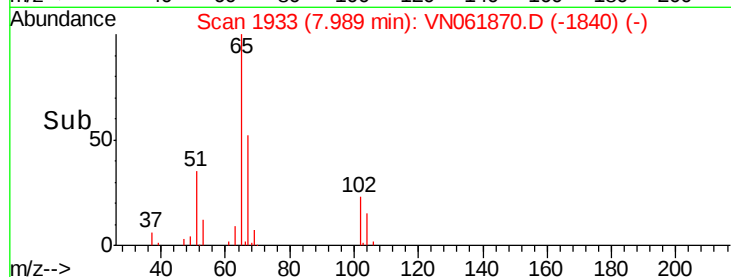
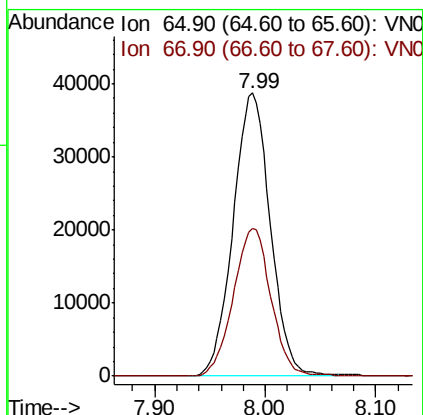
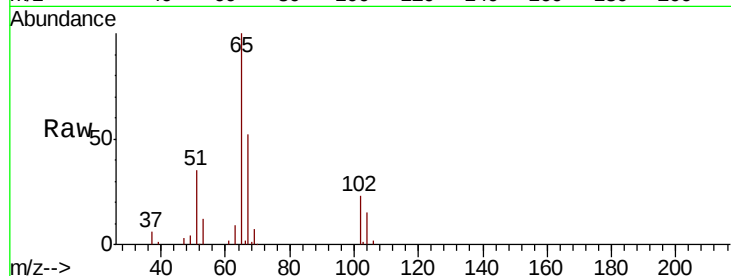




#33
 1,2-Dichloroethane-d4
 Concen: 49.252 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061870.D
 Acq: 18 Jun 2020 00:40

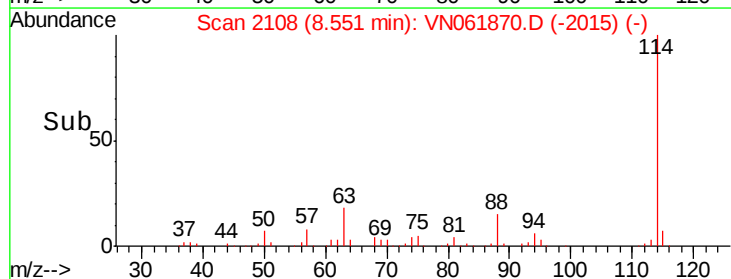
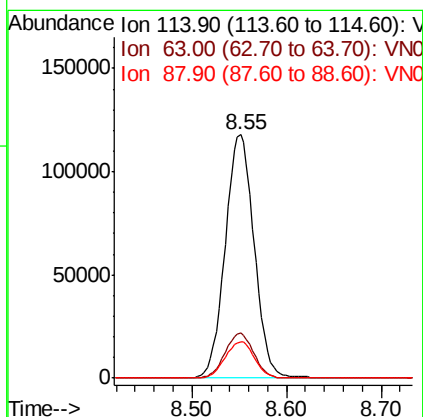
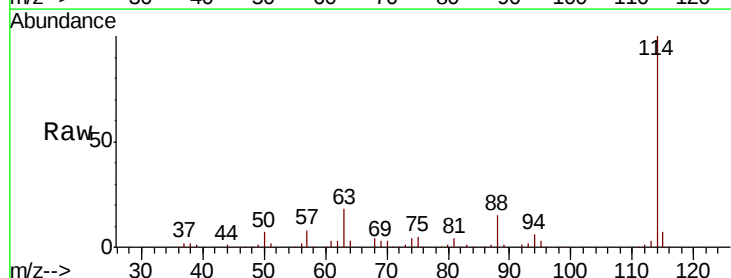
Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D1-20200611

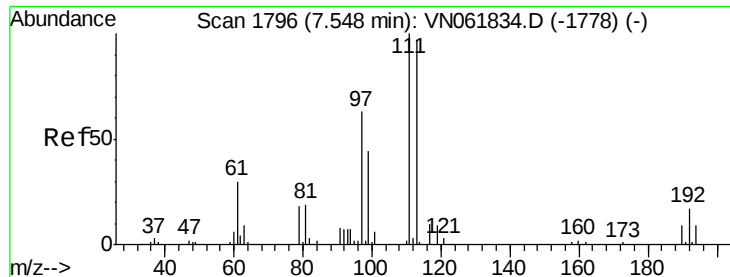
Tot Ion: 65 Resp: 90286
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061870.D
 Acq: 18 Jun 2020 00:40

Tgt Ion: 114 Resp: 250212
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.6
 88 14.9 0.0 31.0

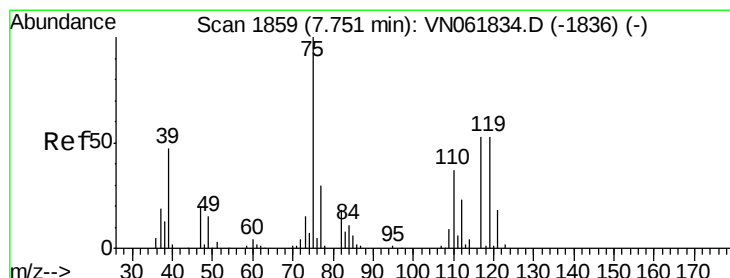
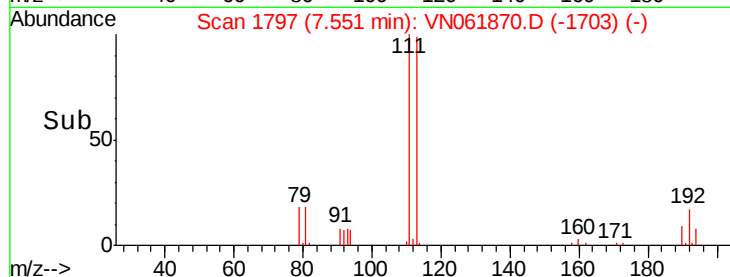
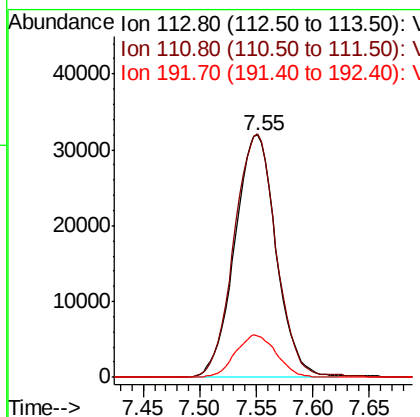
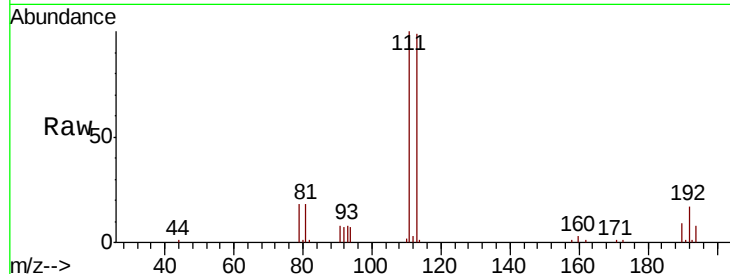




#35
 Dibromofluoromethane
 Concen: 50.763 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061870.D
 Acq: 18 Jun 2020 00:40

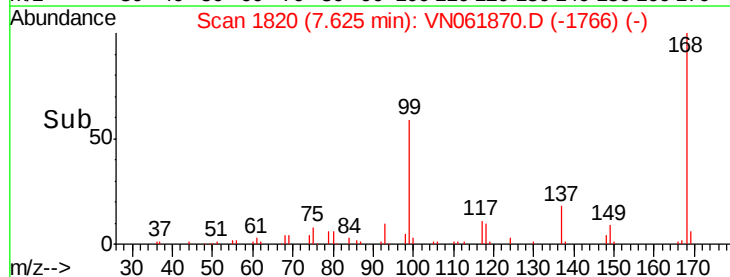
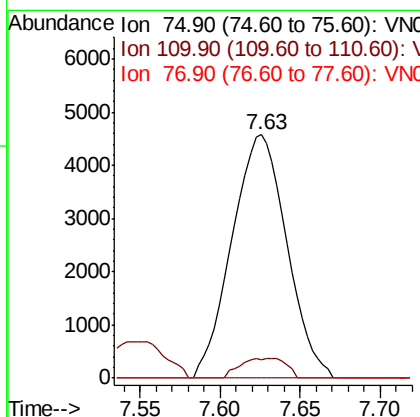
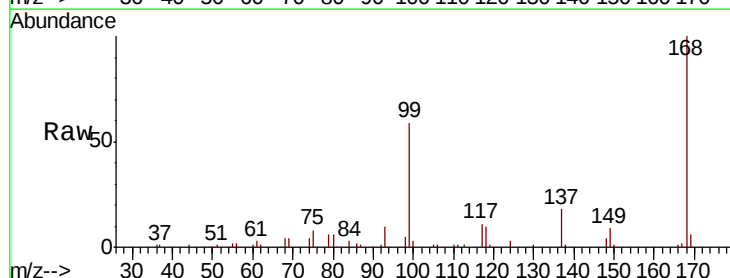
Instrument :
 MSVOA_N
 ClientSampleId :
 RE109D1-20200611

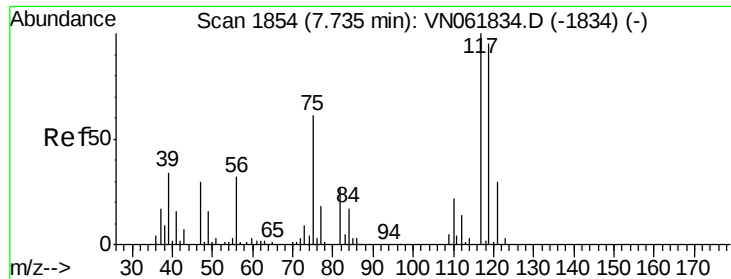
Tot Ion:113 Resp: 81258
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.7 125.5
 192 17.3 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.709 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061870.D
 Acq: 18 Jun 2020 00:40

Tgt Ion: 75 Resp: 10748
 Ion Ratio Lower Upper
 75 100
 110 6.7 18.2 54.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 6.055 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

Instrument :

MSVOA_N

ClientSampleId :

RE109D1-20200611

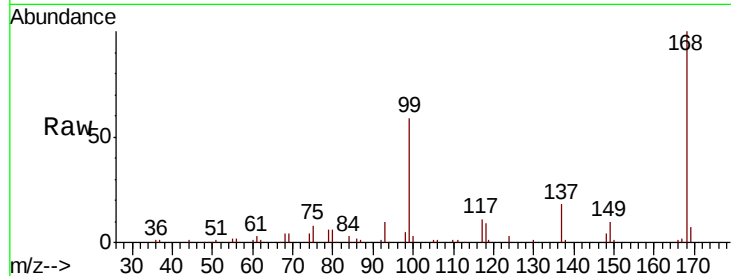
Tot Ion:117 Resp: 13684

Ion Ratio Lower Upper

117 100

119 6.0 75.8 113.6#

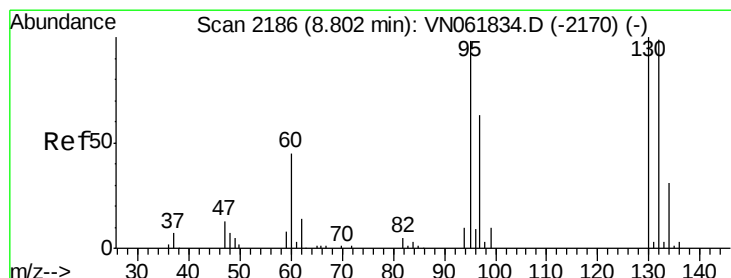
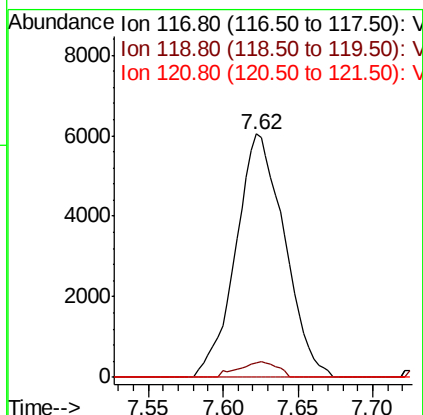
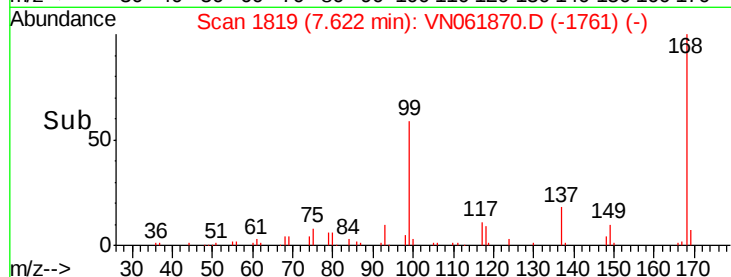
121 0.0 23.8 35.6#



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



#44

Trichloroethene

Concen: 22.505 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN061870.D

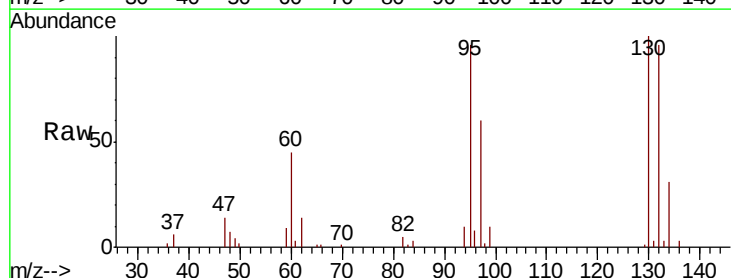
Acq: 18 Jun 2020 00:40

Tgt Ion:130 Resp: 40946

Ion Ratio Lower Upper

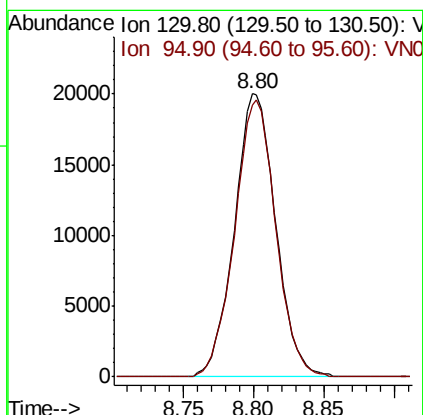
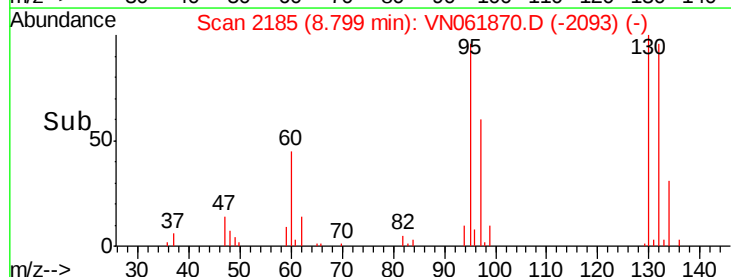
130 100

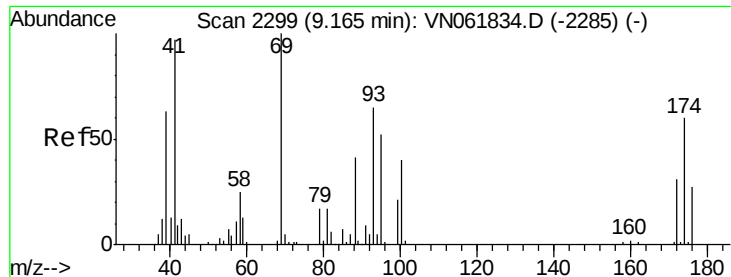
95 96.0 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

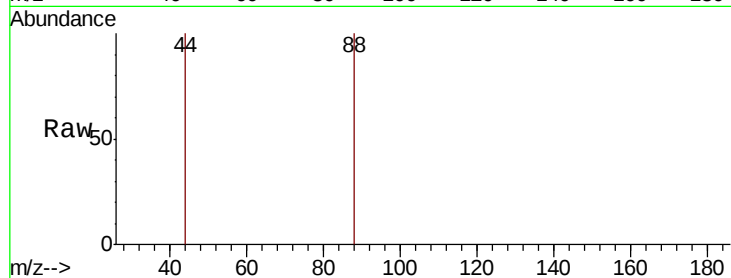




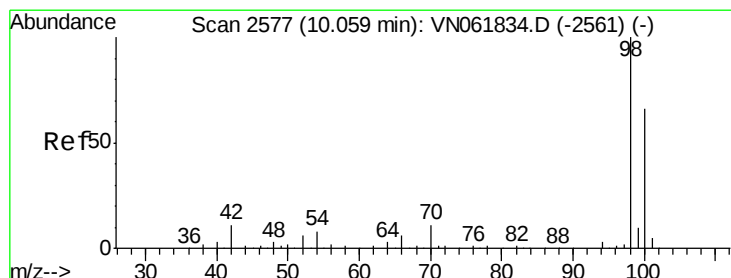
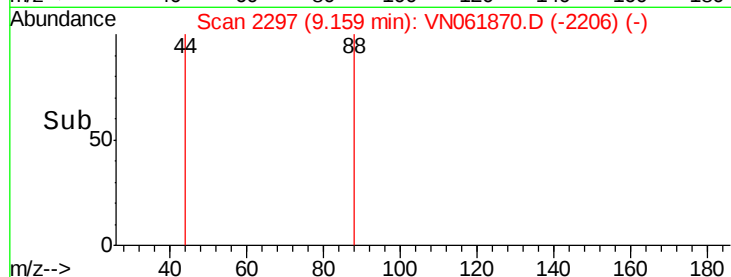
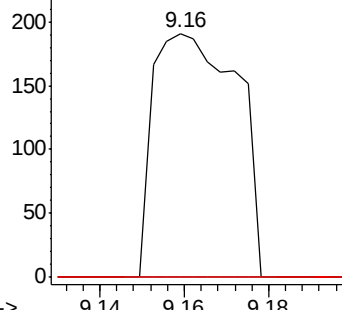
#49
1,4-Dioxane
Concen: 8.451 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.01 min
Lab File: VN061870.D
Acq: 18 Jun 2020 00:40

Instrument :
MSVOA_N
ClientSampleId :
RE109D1-20200611

Tot Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 49.8 74.6#

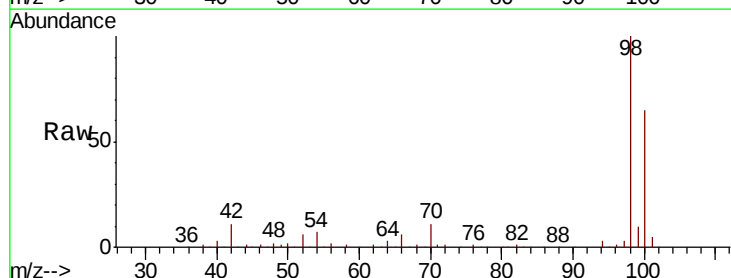


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

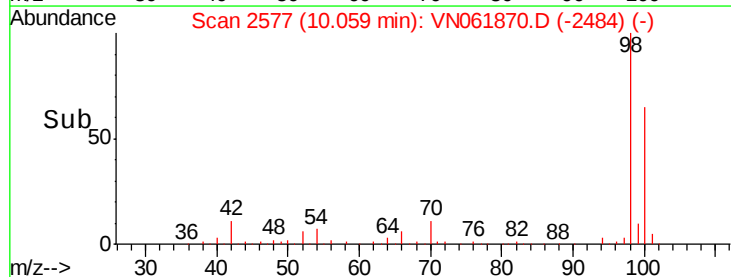
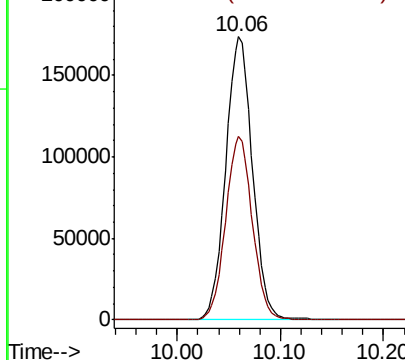


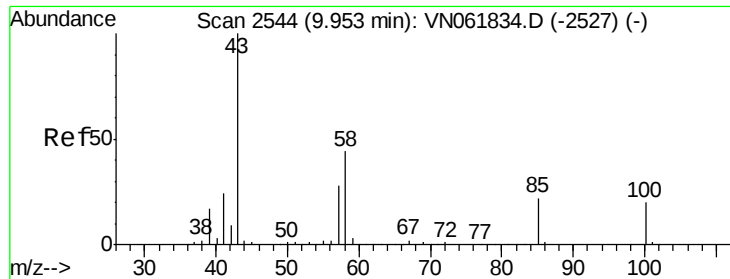
#50
Toluene-d8
Concen: 49.966 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061870.D
Acq: 18 Jun 2020 00:40

Tgt Ion: 98 Resp: 314441
Ion Ratio Lower Upper
98 100
100 64.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.581 ug/l

RT: 10.05 min Scan# 2575

Delta R.T. 0.10 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

Instrument :

MSVOA_N

ClientSampleId :

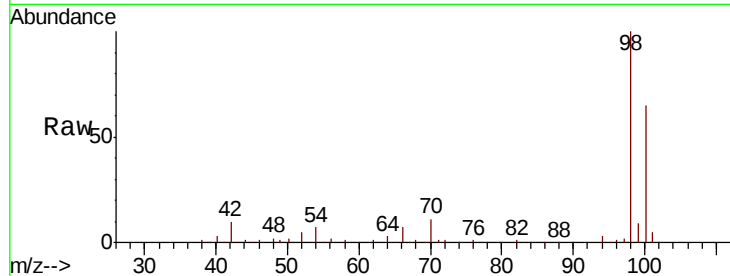
RE109D1-20200611

Tot Ion: 43 Resp: 1032

Ion Ratio Lower Upper

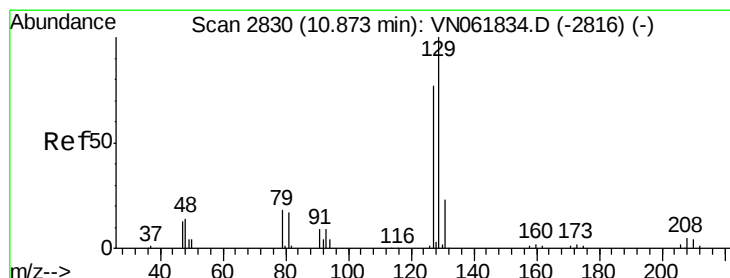
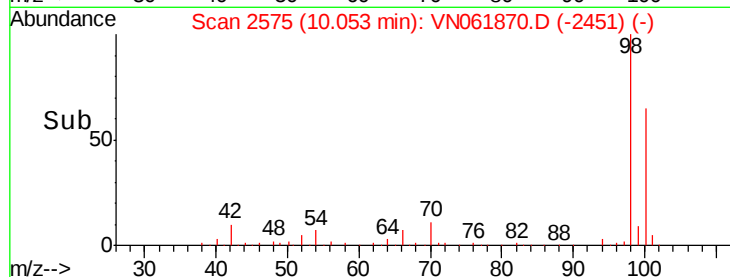
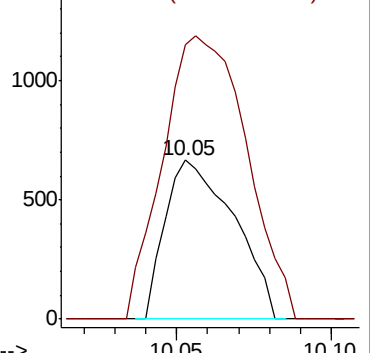
43 100

58 216.3 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) (-)



#60

Dibromochloromethane

Concen: 0.537 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN061870.D

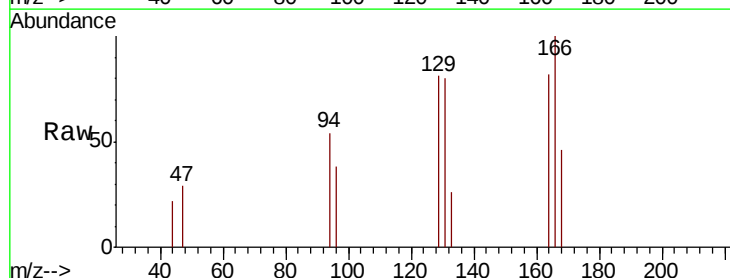
Acq: 18 Jun 2020 00:40

Tgt Ion: 129 Resp: 1023

Ion Ratio Lower Upper

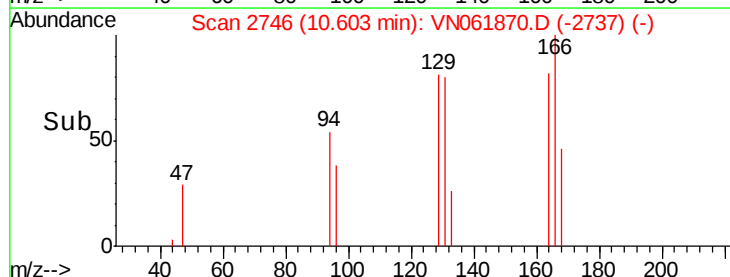
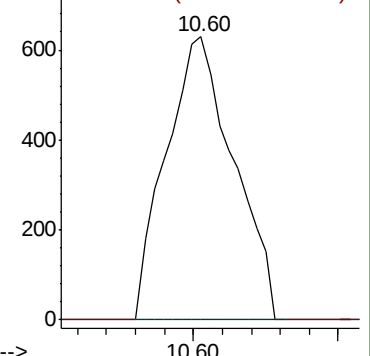
129 100

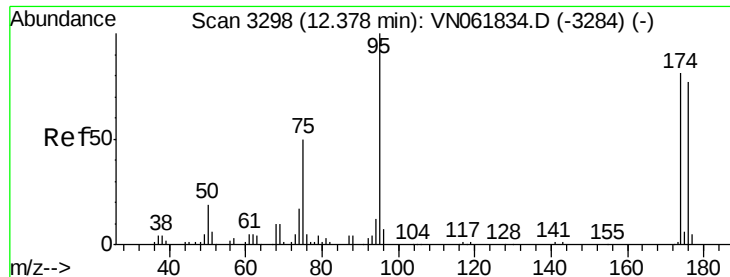
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): VN061834.D (-2816) (-)

Ion 126.80 (126.50 to 127.50): VN061834.D (-2816) (-)





#62

4-Bromofluorobenzene

Concen: 46.463 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

Instrument :

MSVOA_N

ClientSampleId :

RE109D1-20200611

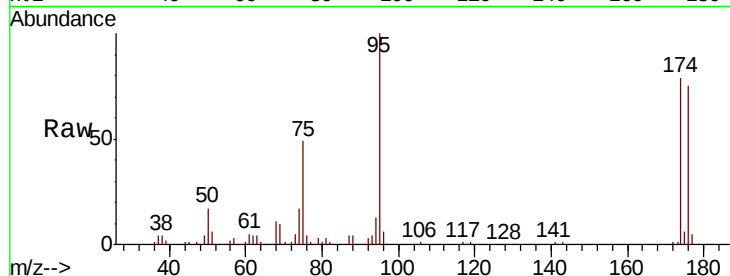
Tot Ion: 95 Resp: 100296

Ion Ratio Lower Upper

95 100

174 79.8 0.0 158.6

176 76.2 0.0 152.0

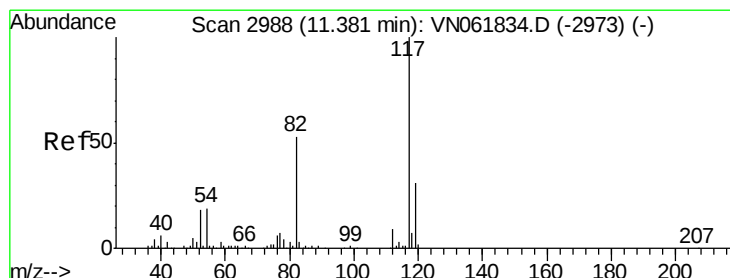
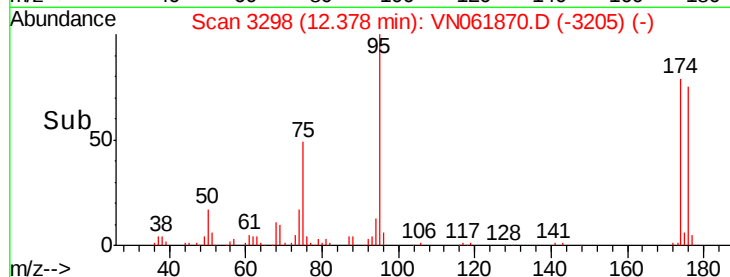
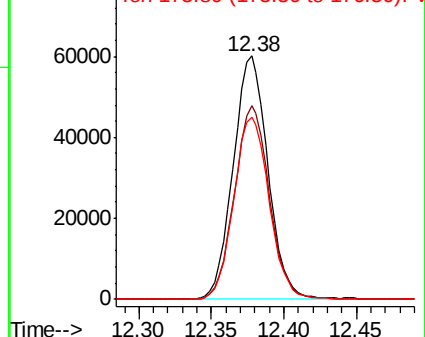


Abundance

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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

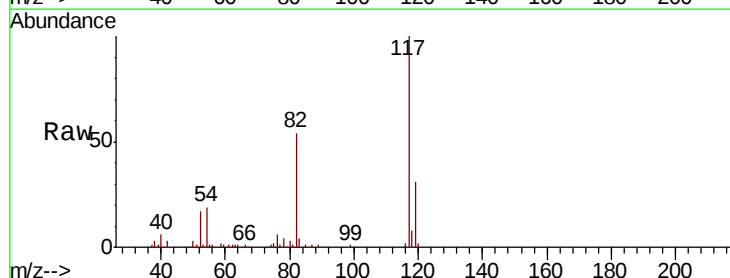
Tgt Ion: 117 Resp: 241819

Ion Ratio Lower Upper

117 100

82 53.7 42.6 64.0

119 31.3 24.7 37.1

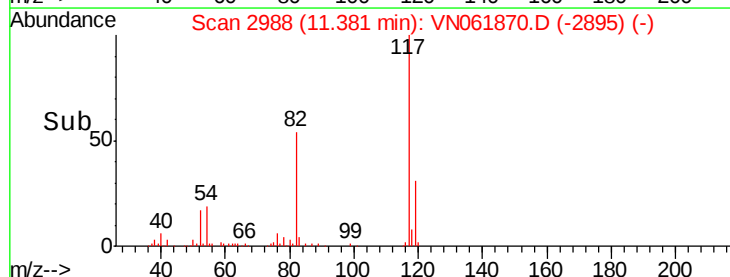
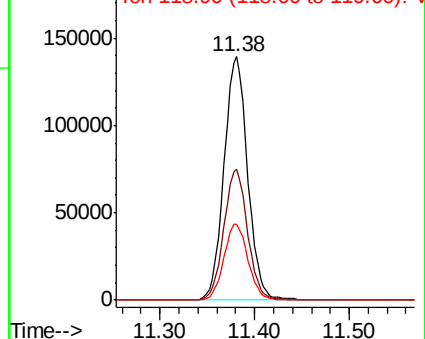


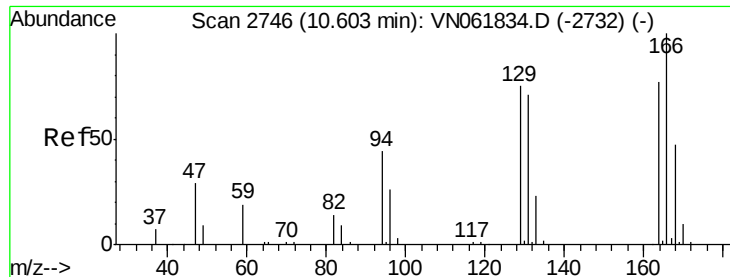
Abundance

Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#64

Tetrachloroethene

Concen: 0.688 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

Instrument :

MSVOA_N

ClientSampleId :

RE109D1-20200611

Tot Ion:164 Resp: 1061

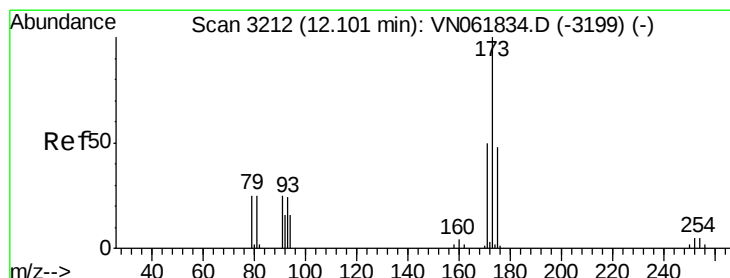
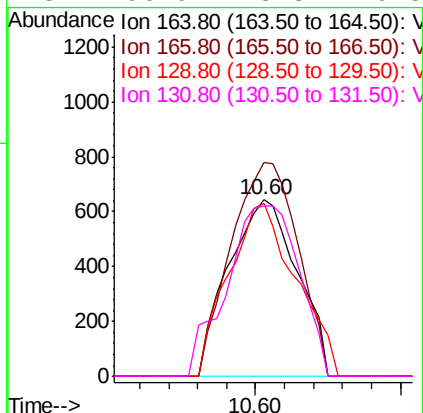
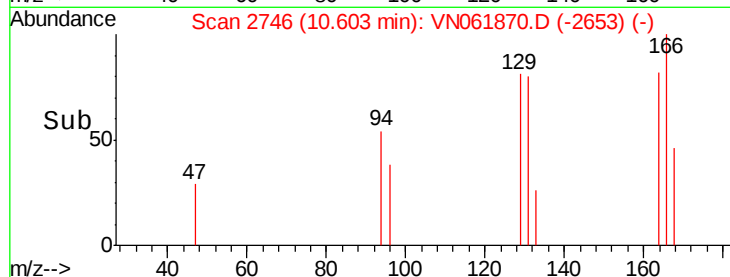
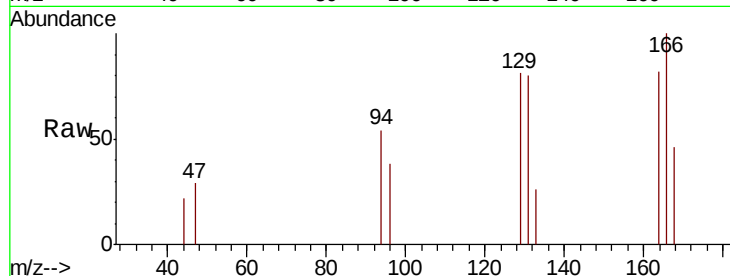
Ion Ratio Lower Upper

164 100

166 121.3 103.5 155.3

129 98.0 77.5 116.3

131 96.9 73.8 110.8



#71

Bromoform

Concen: 0.707 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

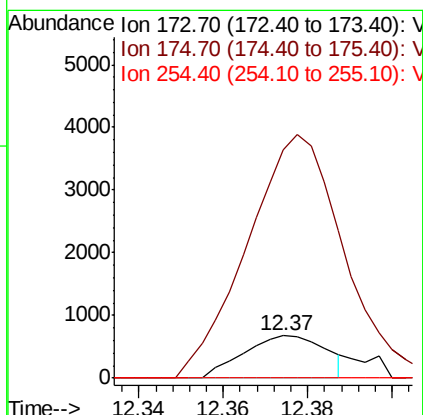
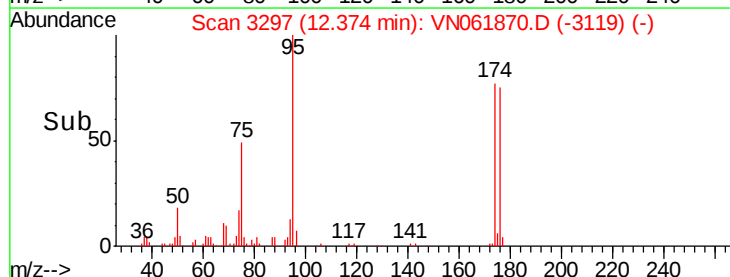
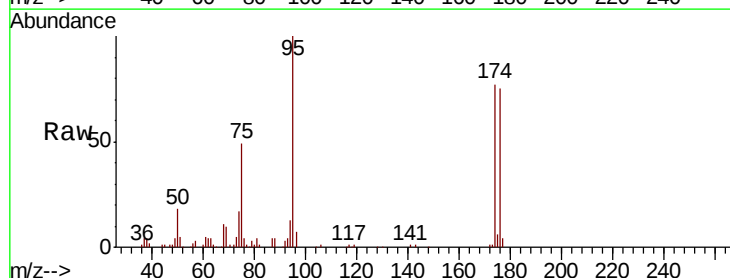
Tgt Ion:173 Resp: 918

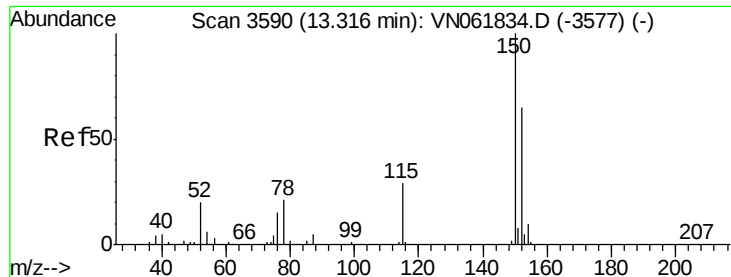
Ion Ratio Lower Upper

173 100

175 578.2 23.9 71.7#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061870.D

Acq: 18 Jun 2020 00:40

Instrument :

MSVOA_N

ClientSampleId :

RE109D1-20200611

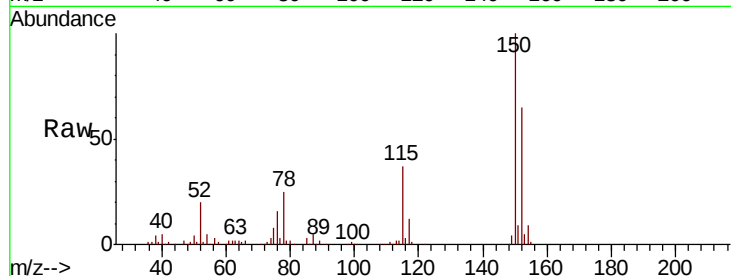
Tot Ion:152 Resp: 90256

Ion Ratio Lower Upper

152 100

115 56.8 29.1 87.3

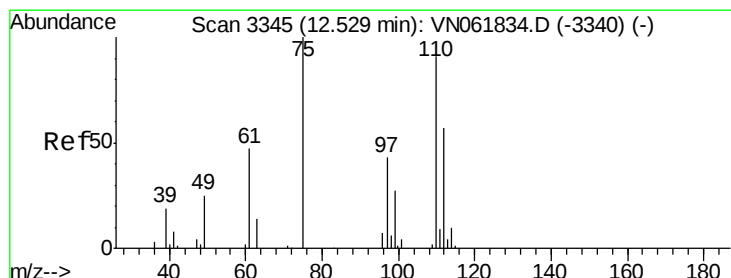
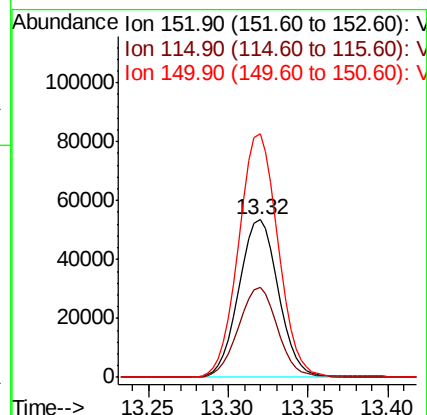
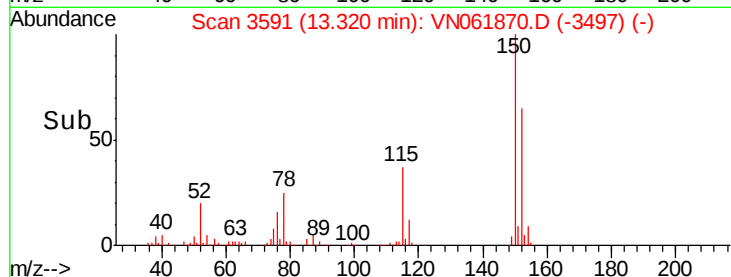
150 153.6 0.0 347.6



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: 27.879 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061870.D

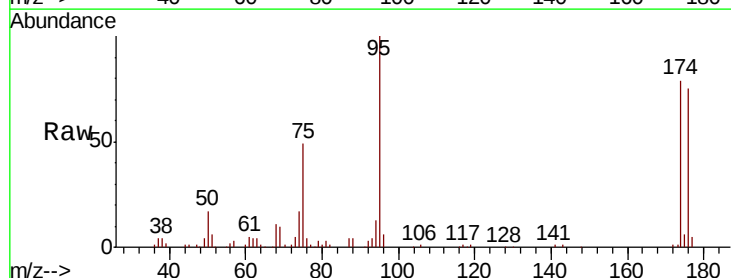
Acq: 18 Jun 2020 00:40

Tgt Ion: 75 Resp: 49400

Ion Ratio Lower Upper

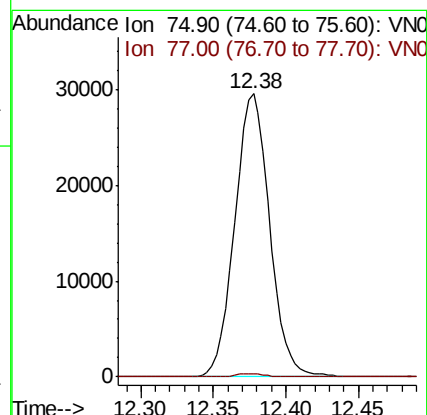
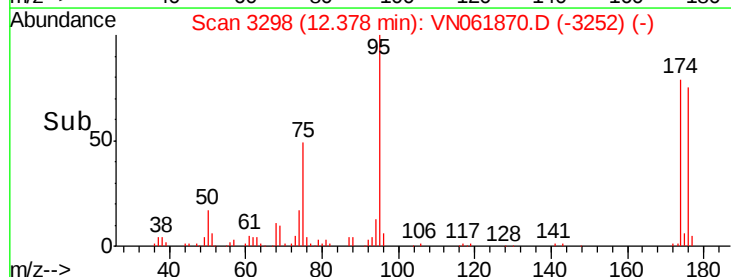
75 100

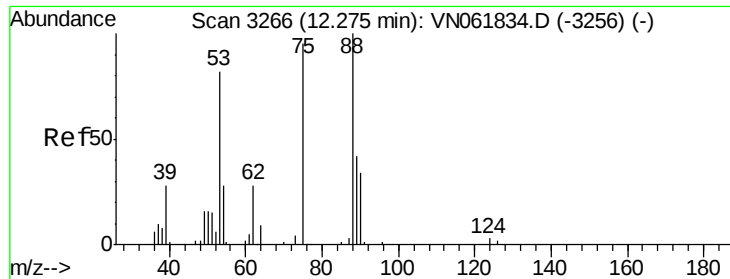
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

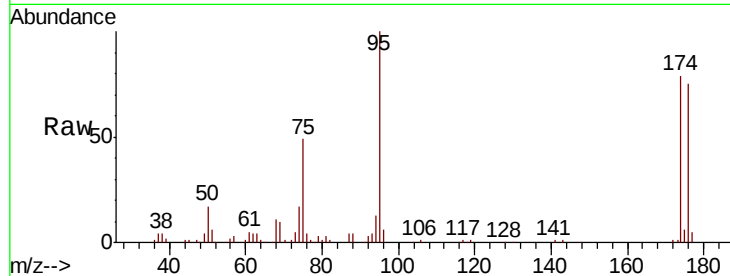




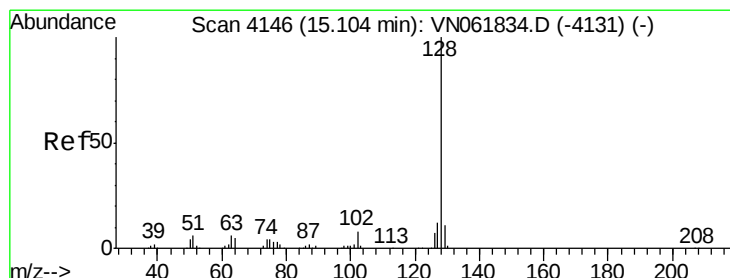
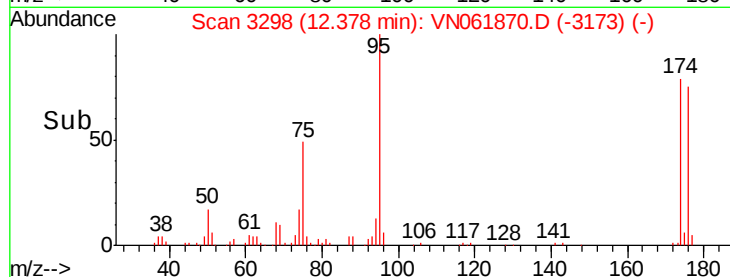
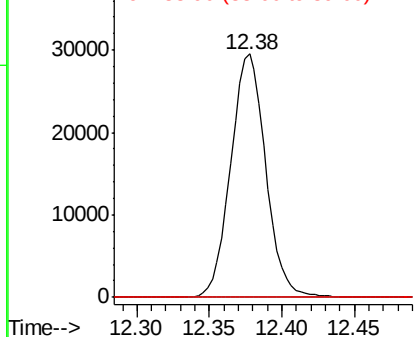
#81
trans-1,4-Dichloro-2-butene
Concen: 76.037 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.10 min
Lab File: VN061870.D
Acq: 18 Jun 2020 00:40

Instrument :
MSVOA_N
ClientSampleId :
RE109D1-20200611

Tot Ion: 75 Resp: 49400
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 36.0 54.0#

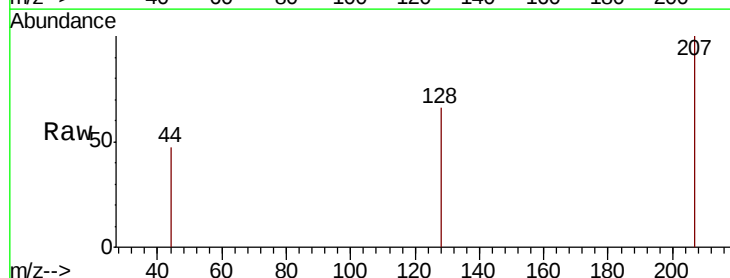


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#95
Naphthalene
Concen: 3.508 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN061870.D
Acq: 18 Jun 2020 00:40

Tgt Ion: 128 Resp: 118
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

