

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062049.D
 Acq On : 23 Jun 2020 18:13
 Operator : JC/MD
 Sample : L3043-07DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

Quant Time: Jun 24 01:33:54 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	149422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	276719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	266220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97249	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	105102	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
35) Dibromofluoromethane	7.55	113	88043	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.06	98	349282	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.38	95	111407	46.67	ug/l	0.00
Spiked Amount			Recovery	=	93.34%	

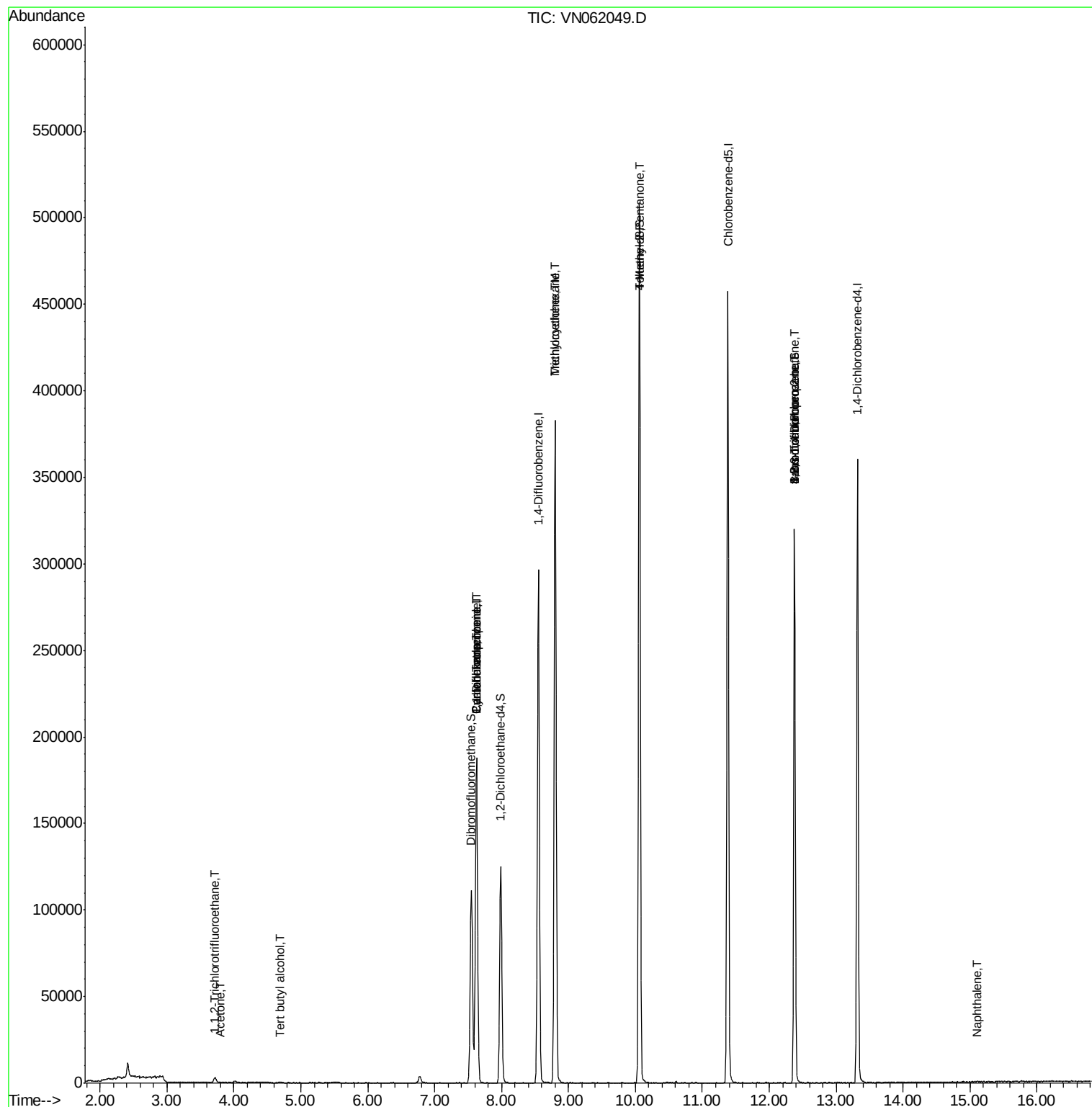
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	2056	1.357	ug/l	94
11) Tert butyl alcohol	4.69	59	101	0.364	ug/l #	74
16) Acetone	3.79	43	396	0.669	ug/l #	40
31) Cyclohexane	7.63	56	3214	1.217	ug/l #	6
36) 1,1-Dichloropropene	7.63	75	11986	4.749	ug/l #	48
38) Carbon Tetrachloride	7.63	117	14284	5.715	ug/l #	17
39) Methylcyclohexane	8.80	83	1778	0.654	ug/l #	1
44) Trichloroethene	8.80	130	142013	70.577	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1368	0.697	ug/l #	1
71) Bromoform	12.38	173	787	0.551	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	56568	29.629	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56568	80.809	ug/l #	14
95) Naphthalene	15.12	128	210	3.524	ug/l #	69

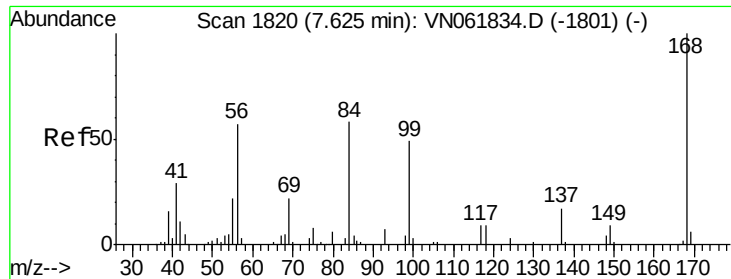
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN062049.D

Acq: 23 Jun 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

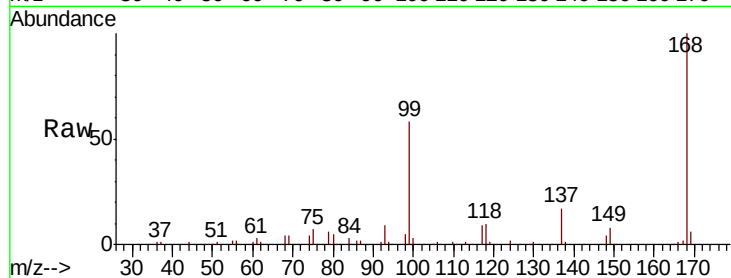
TT101D2-20200615DL

Tot Ion:168 Resp: 149422

Ion Ratio Lower Upper

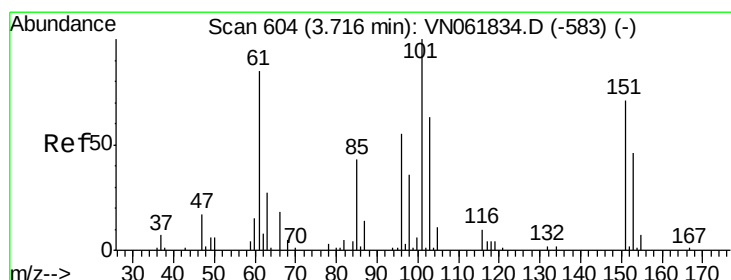
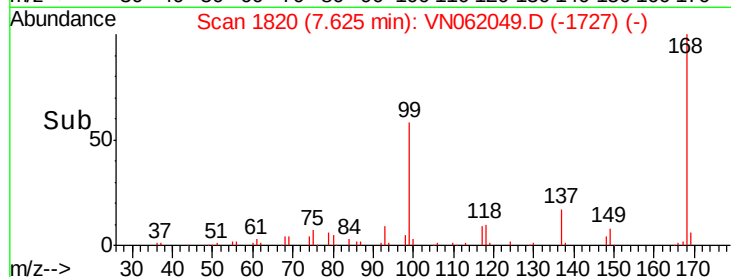
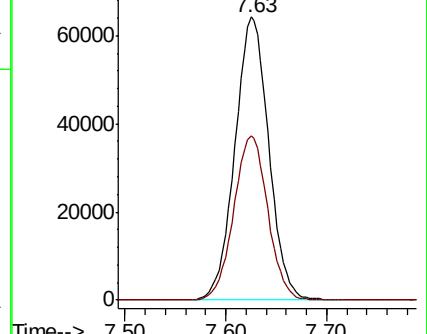
168 100

99 58.0 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: 1.357 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

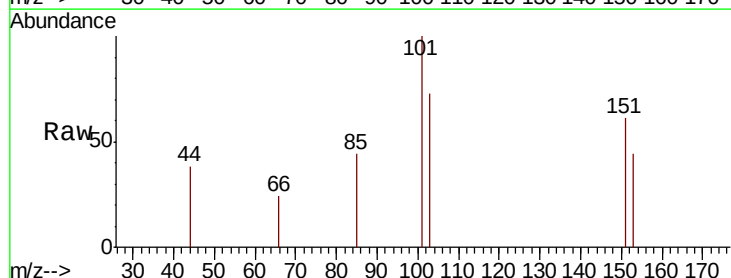
Tgt Ion:101 Resp: 2056

Ion Ratio Lower Upper

101 100

85 38.2 35.0 52.6

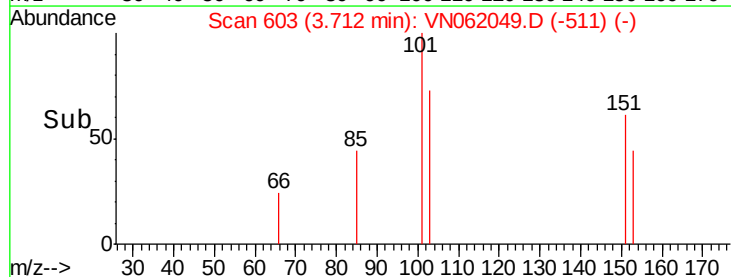
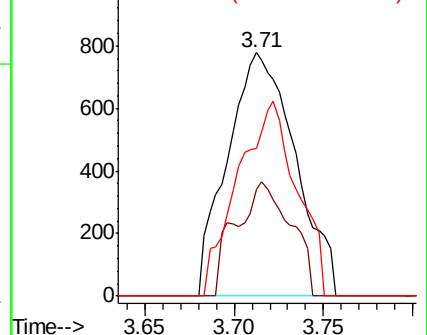
151 69.8 59.2 88.8

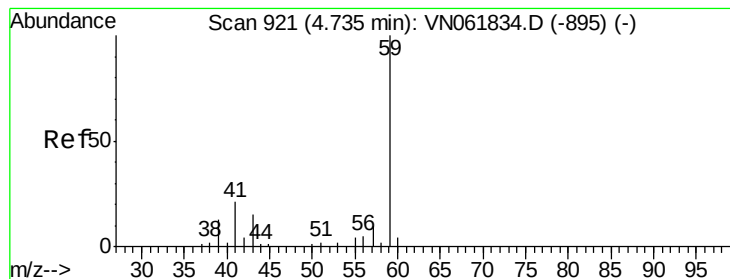


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



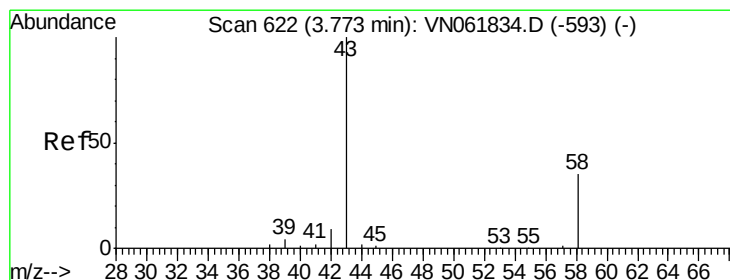
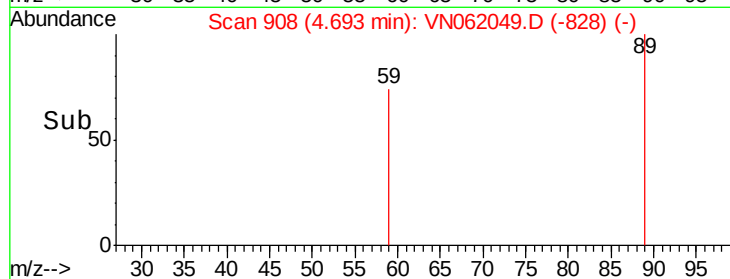
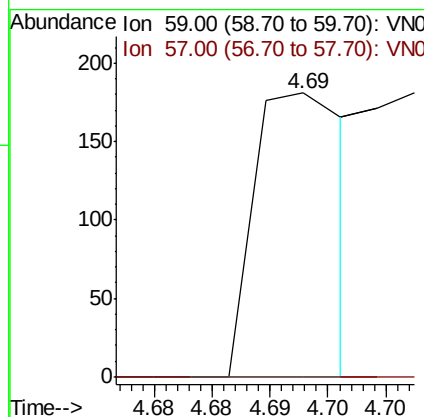
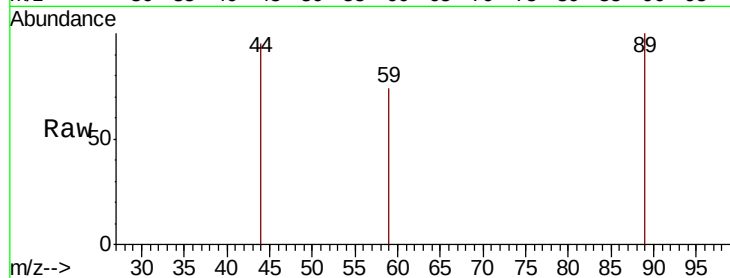


#11

Tert butyl alcohol
 Concen: 0.364 ug/l
 RT: 4.69 min Scan# 908
 Delta R.T. -0.04 min
 Lab File: VN062049.D
 Acq: 23 Jun 2020 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

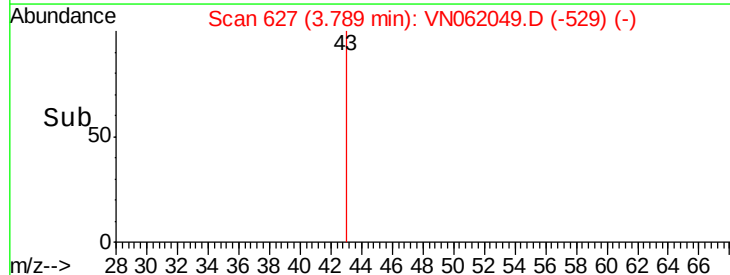
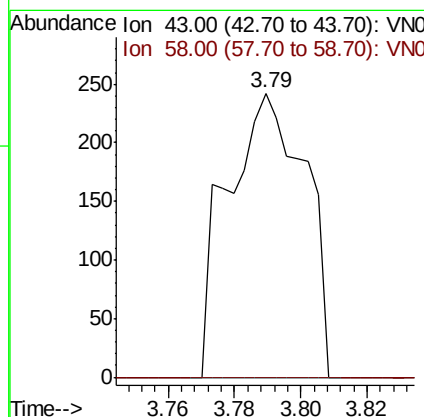
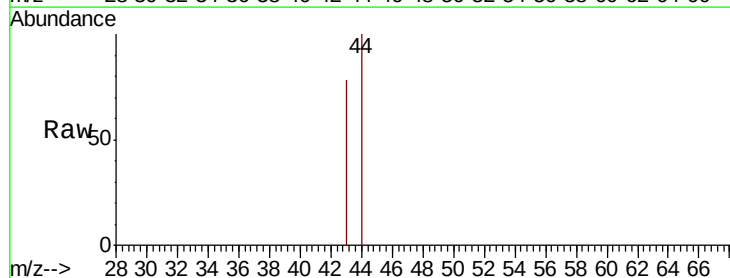
Tot Ion: 59 Resp: 101
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

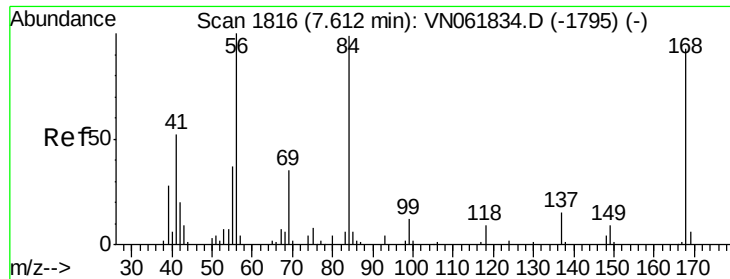


#16

Acetone
 Concen: 0.669 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.02 min
 Lab File: VN062049.D
 Acq: 23 Jun 2020 18:13

Tgt Ion: 43 Resp: 396
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.8#

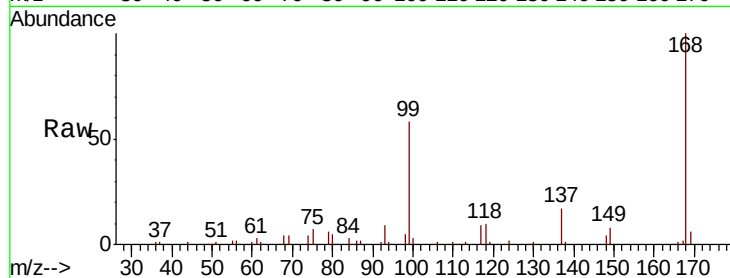




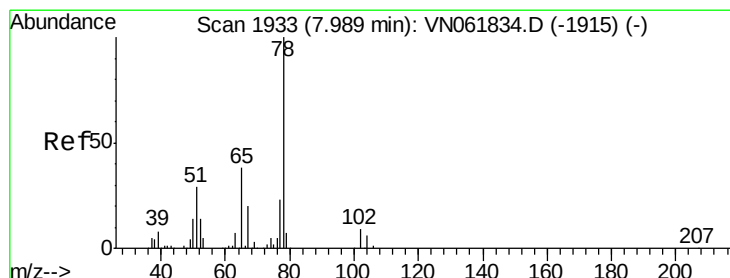
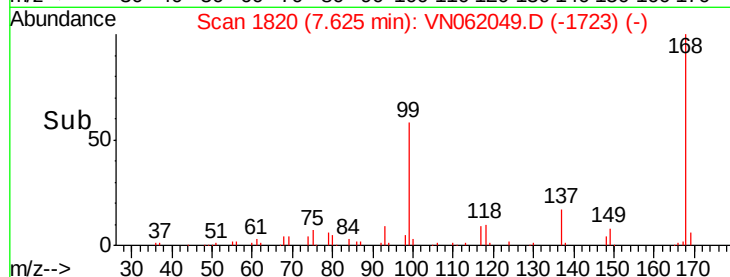
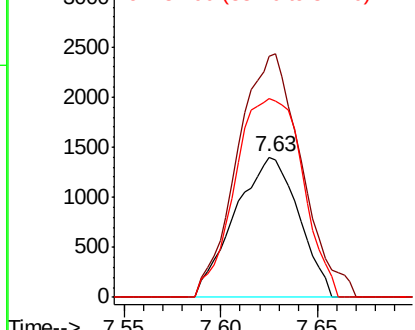
#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062049.D
Acq: 23 Jun 2020 18:13

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20200615DL

Tot Ion: 56 Resp: 3214
Ion Ratio Lower Upper
56 100
69 172.2 27.7 41.5#
84 141.6 79.1 118.7#

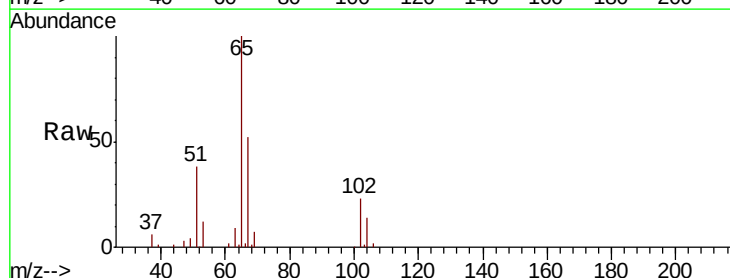


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

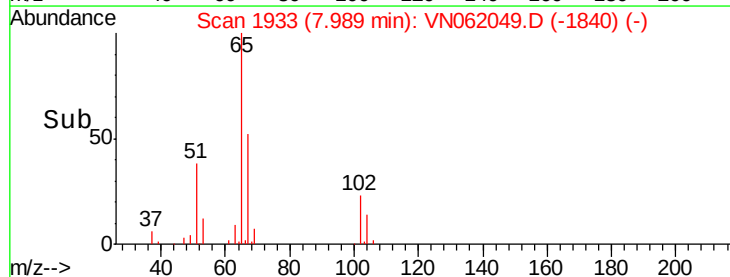
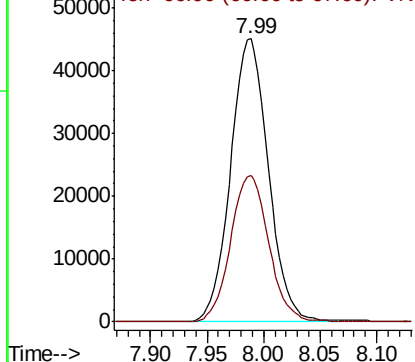


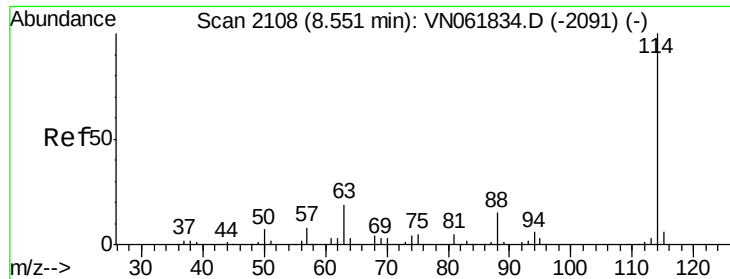
#33
1,2-Dichloroethane-d4
Concen: 52.447 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062049.D
Acq: 23 Jun 2020 18:13

Tgt Ion: 65 Resp: 105102
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2



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

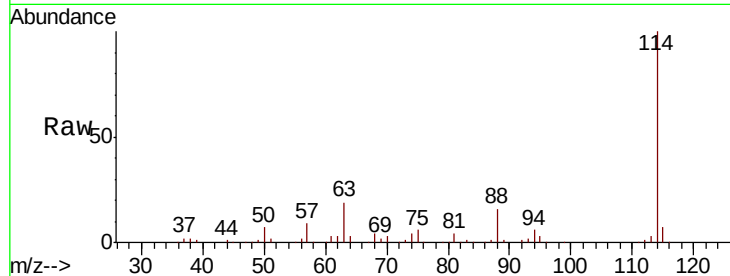




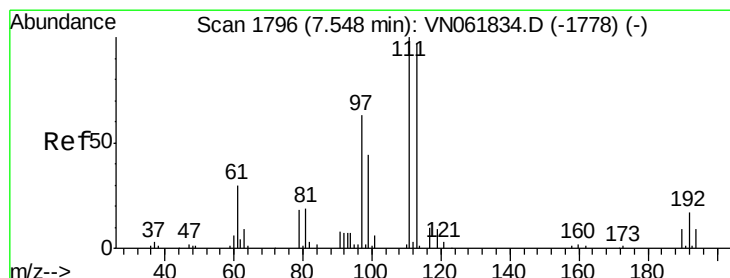
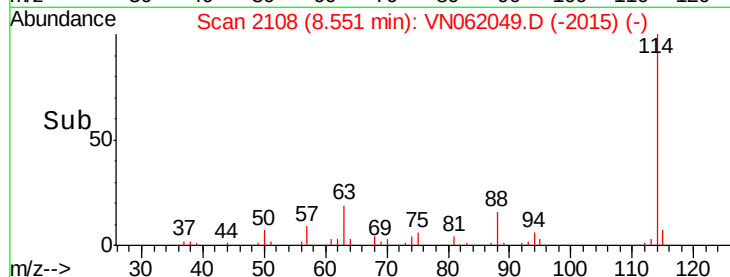
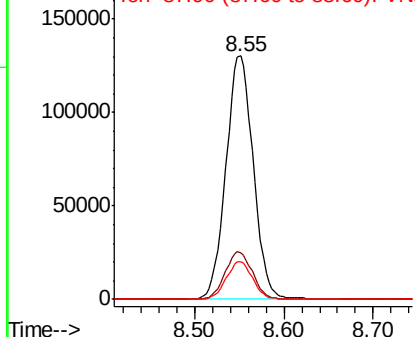
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062049.D
Acq: 23 Jun 2020 18:13

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20200615DL

Tot Ion:114 Resp: 276719
Ion Ratio Lower Upper
114 100
63 19.3 0.0 37.6
88 15.6 0.0 31.0

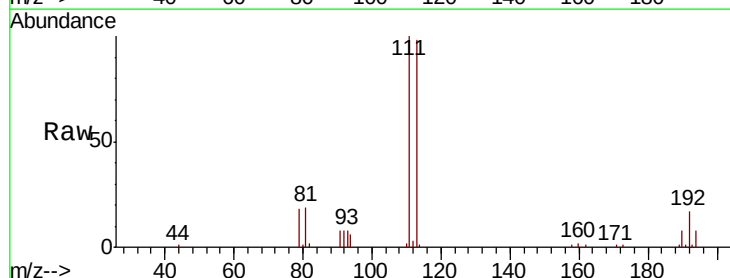


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

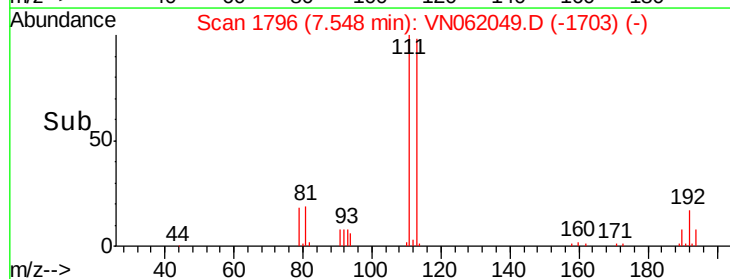
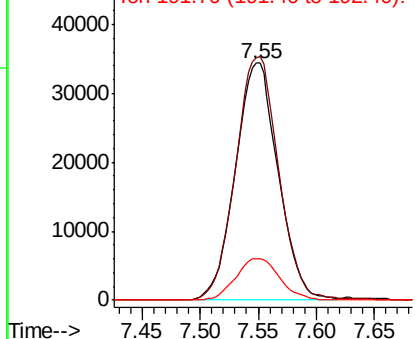


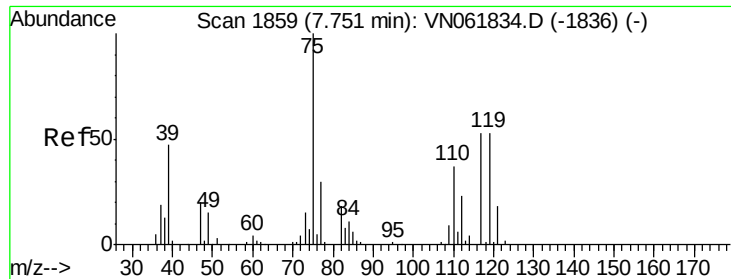
#35
Dibromofluoromethane
Concen: 49.733 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062049.D
Acq: 23 Jun 2020 18:13

Tgt Ion:113 Resp: 88043
Ion Ratio Lower Upper
113 100
111 103.8 83.7 125.5
192 17.9 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: 4.749 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20200615DL

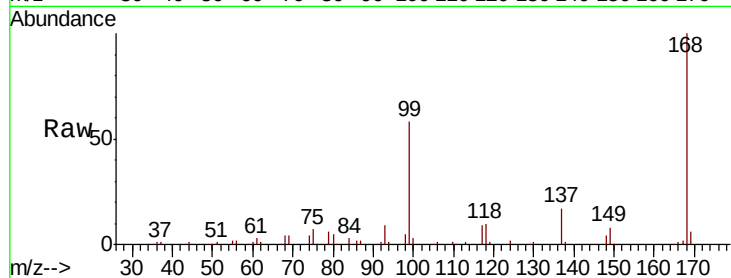
Tot Ion: 75 Resp: 11986

Ion Ratio Lower Upper

75 100

110 7.0 18.2 54.6#

77 0.0 24.2 36.4#



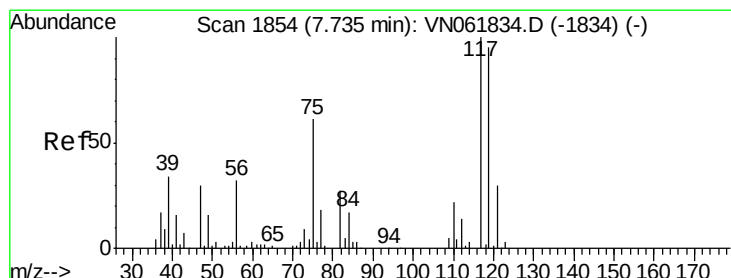
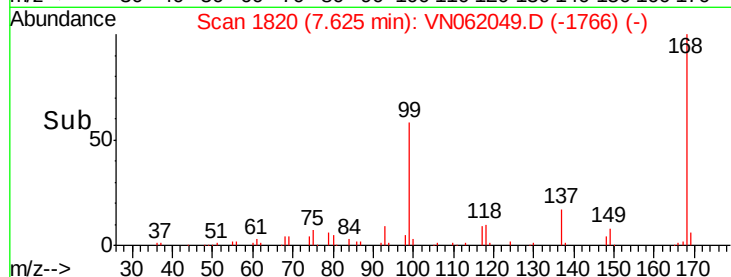
Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

7.63

Time-->



#38

Carbon Tetrachloride

Concen: 5.715 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

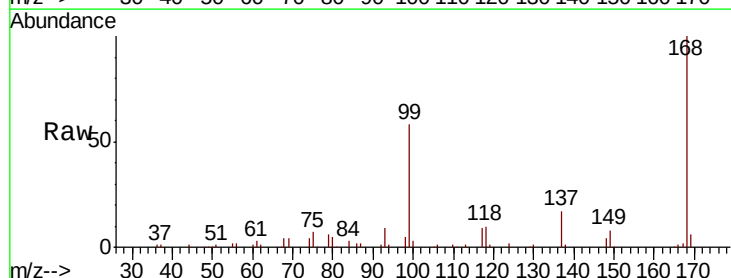
Tgt Ion: 117 Resp: 14284

Ion Ratio Lower Upper

117 100

119 6.2 75.8 113.6#

121 0.0 23.8 35.6#



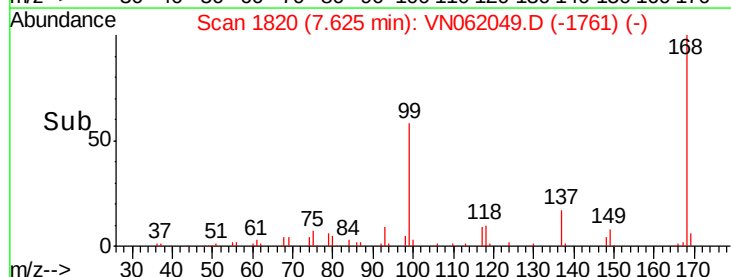
Abundance Ion 116.80 (116.50 to 117.50): VN061834.D (-1834) (-)

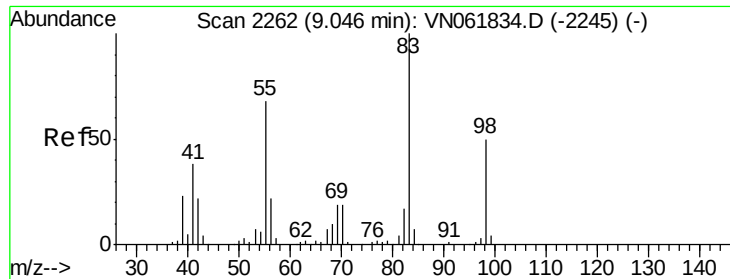
Ion 118.80 (118.50 to 119.50): VN061834.D (-1834) (-)

Ion 120.80 (120.50 to 121.50): VN061834.D (-1834) (-)

7.63

Time-->

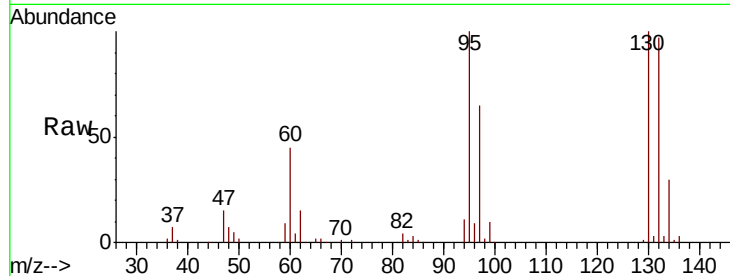




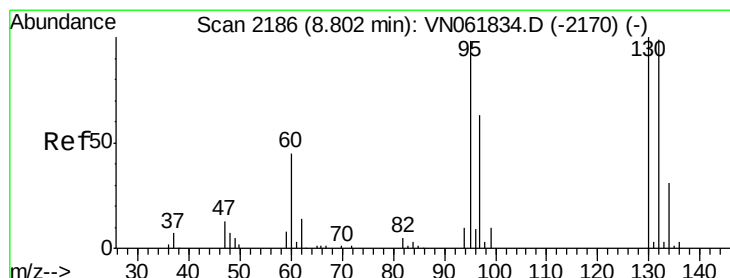
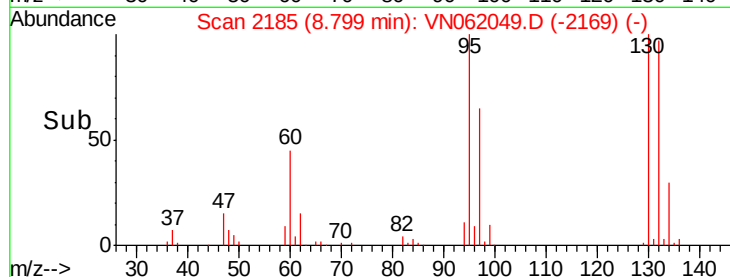
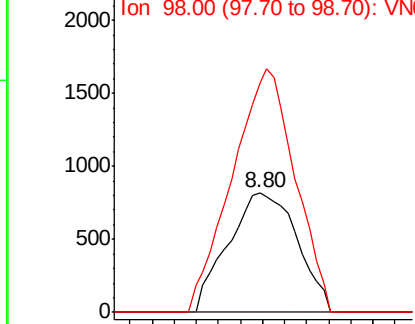
#39
Methylcyclohexane
Concen: 0.654 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.25 min
Lab File: VN062049.D
Acq: 23 Jun 2020 18:13

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Tot Ion: 83 Resp: 1778
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 192.1 39.8 59.6#

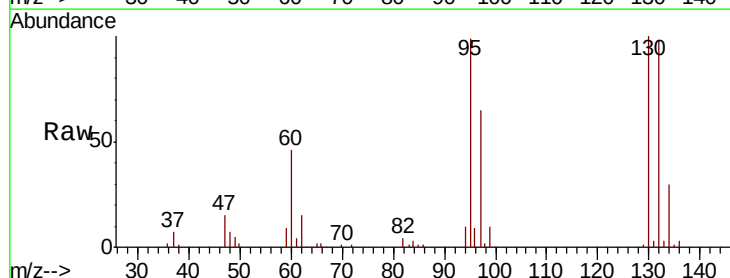


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

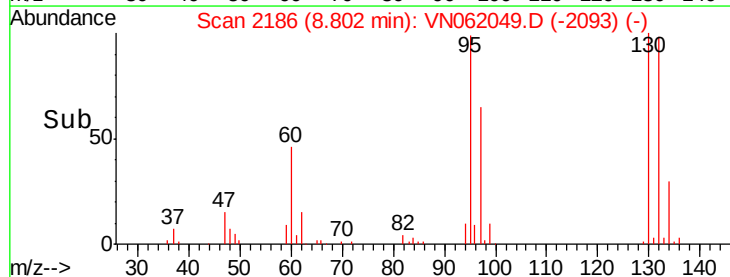
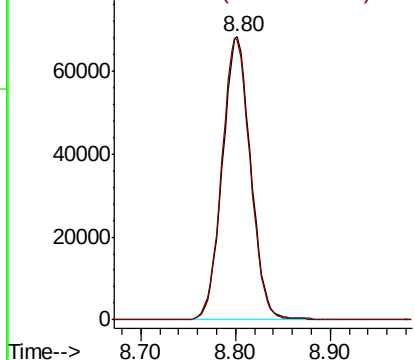


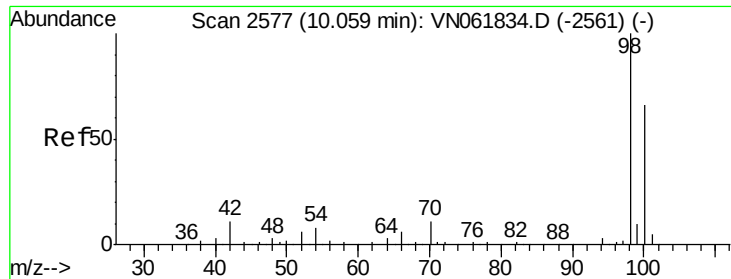
#44
Trichloroethene
Concen: 70.577 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062049.D
Acq: 23 Jun 2020 18:13

Tgt Ion: 130 Resp: 142013
Ion Ratio Lower Upper
130 100
95 98.7 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V
80000 Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 50.186 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

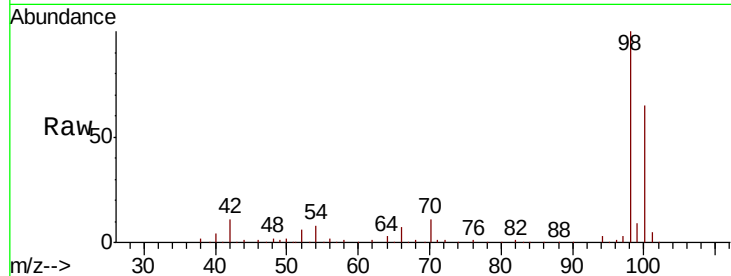
TT101D2-20200615DL

Tot Ion: 98 Resp: 349282

Ion Ratio Lower Upper

98 100

100 65.6 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

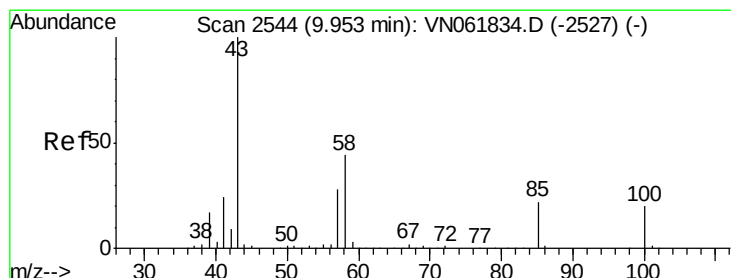
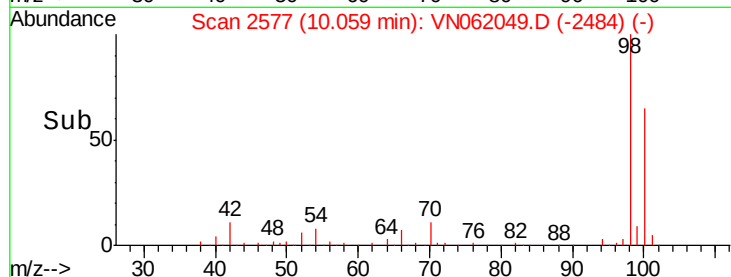
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.697 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062049.D

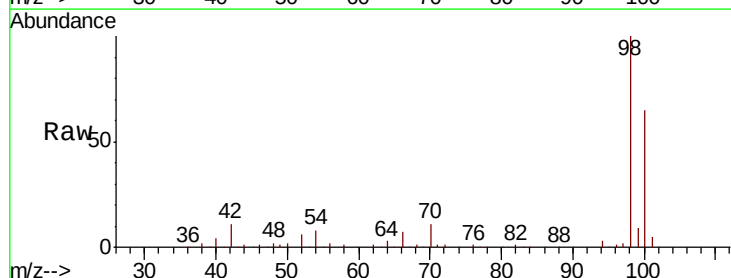
Acq: 23 Jun 2020 18:13

Tgt Ion: 43 Resp: 1368

Ion Ratio Lower Upper

43 100

58 193.2 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) (-)

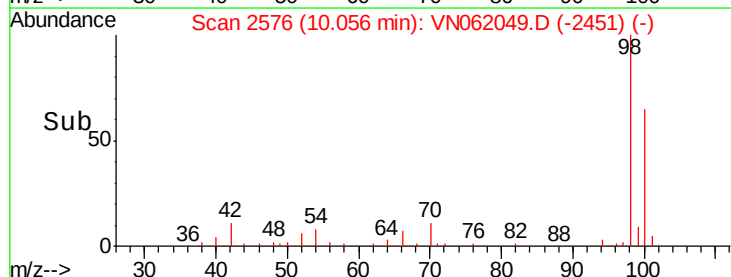
1500

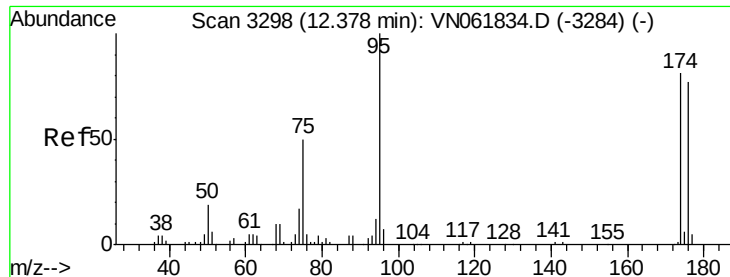
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 46.666 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20200615DL

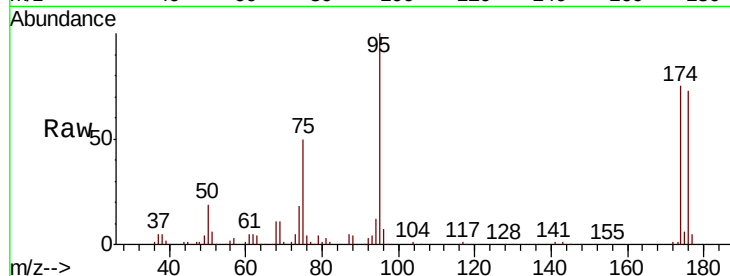
Tot Ion: 95 Resp: 111407

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.6

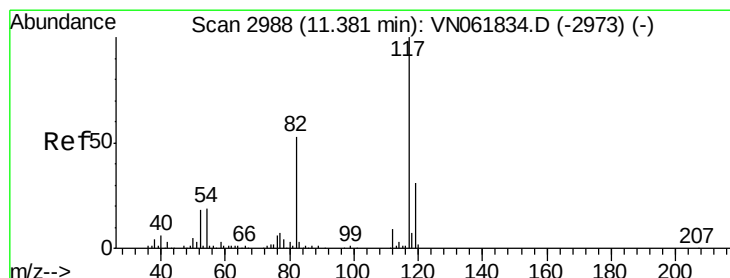
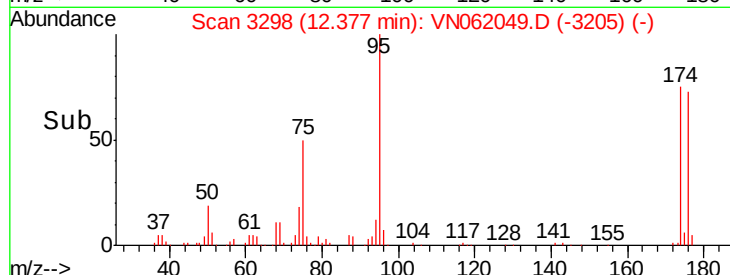
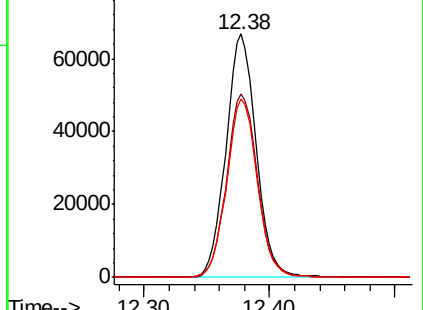
176 74.0 0.0 152.0



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

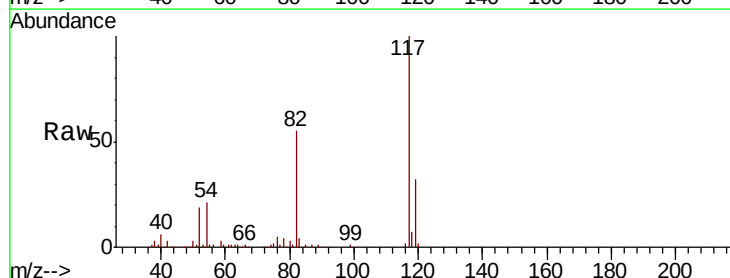
Tgt Ion: 117 Resp: 266220

Ion Ratio Lower Upper

117 100

82 55.4 42.6 64.0

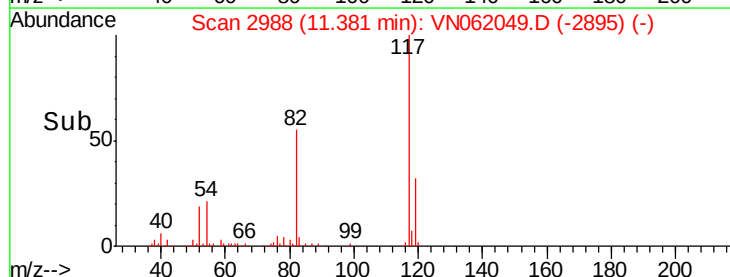
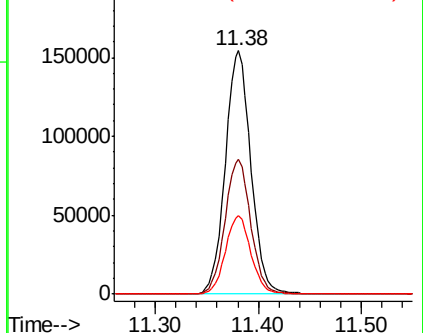
119 32.2 24.7 37.1

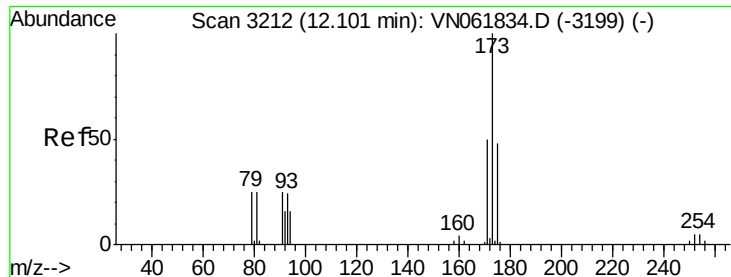


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

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

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





#71

Bromoform

Concen: 0.551 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

TT101D2-20200615DL

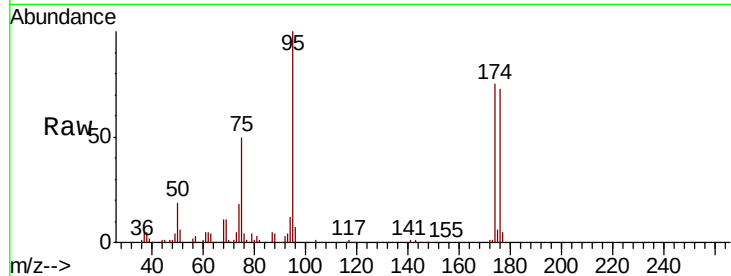
Tot Ion:173 Resp: 787

Ion Ratio Lower Upper

173 100

175 677.5 23.9 71.7#

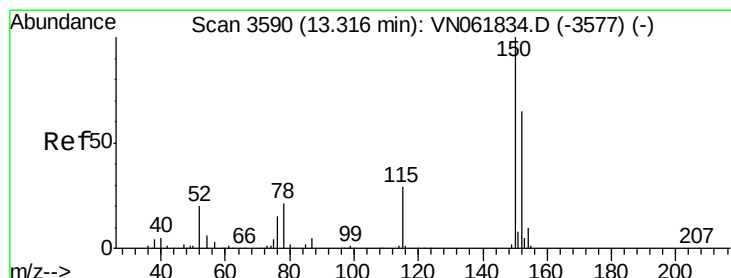
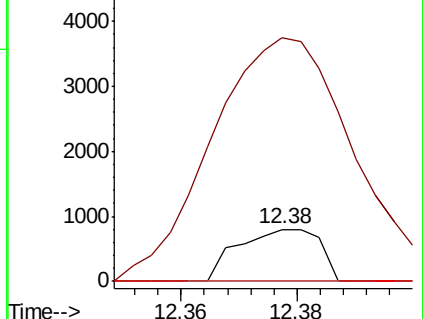
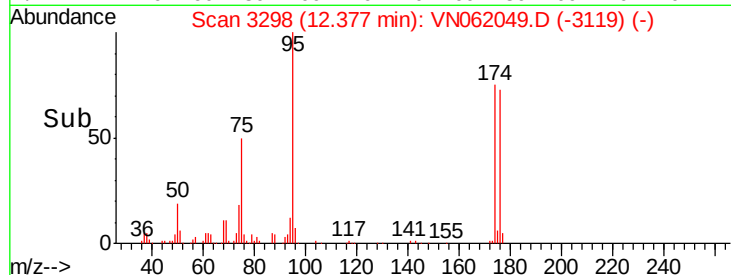
254 0.0 0.0 0.0



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: VN062049.D

Acq: 23 Jun 2020 18:13

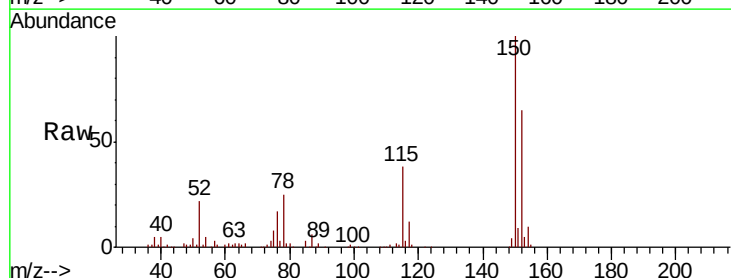
Tgt Ion:152 Resp: 97249

Ion Ratio Lower Upper

152 100

115 58.6 29.1 87.3

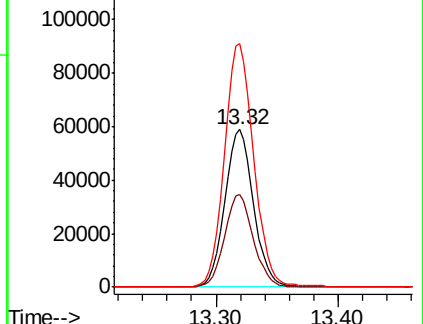
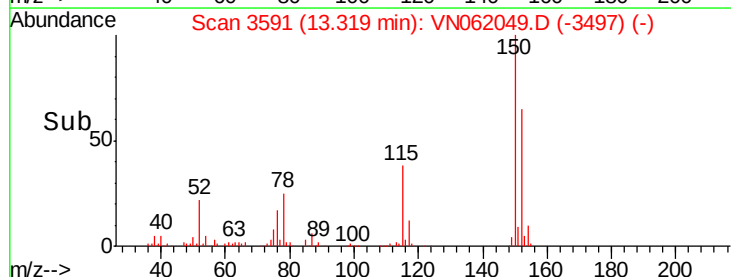
150 157.7 0.0 347.6

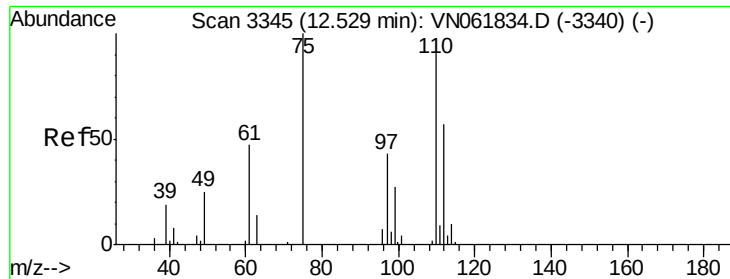


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.629 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

Instrument :

MSVOA_N

ClientSampleId :

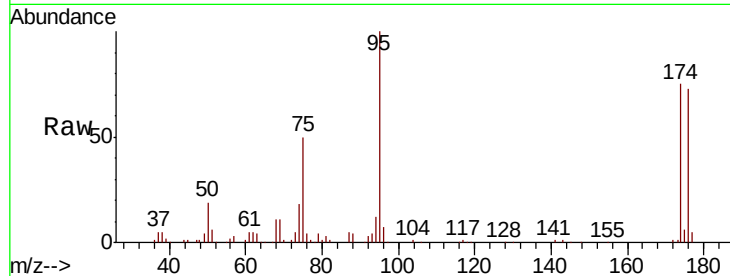
TT101D2-20200615DL

Tot Ion: 75 Resp: 56568

Ion Ratio Lower Upper

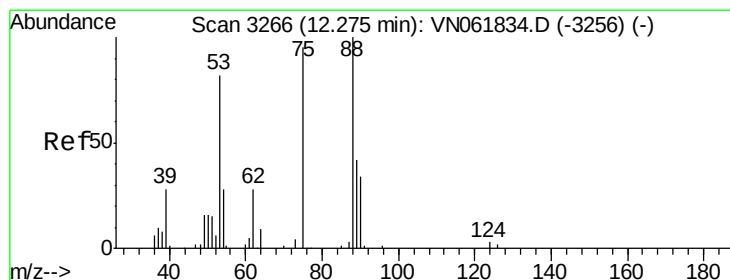
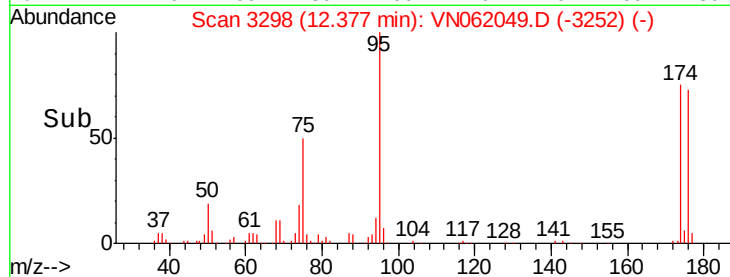
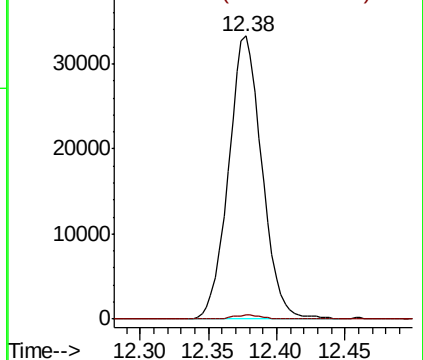
75 100

77 1.1 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: 80.809 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062049.D

Acq: 23 Jun 2020 18:13

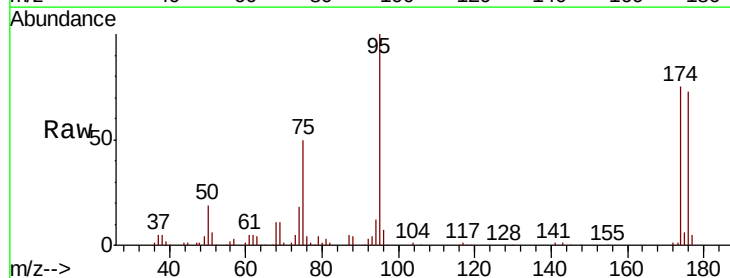
Tgt Ion: 75 Resp: 56568

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

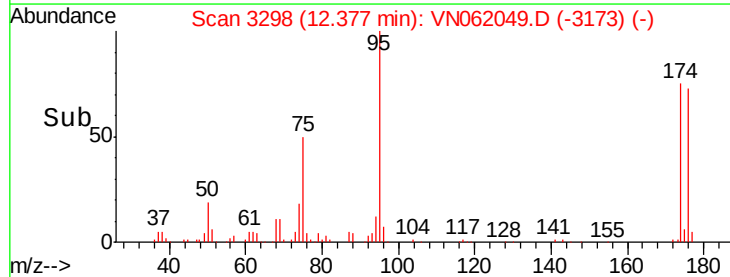
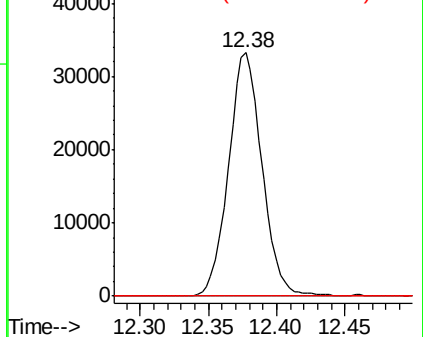
89 0.0 36.0 54.0#

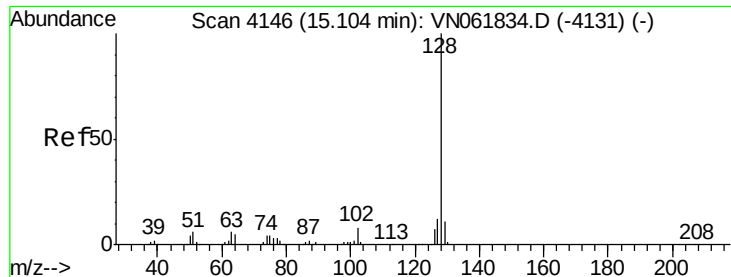


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95
 Naphthalene
 Concen: 3.524 ug/l
 RT: 15.12 min Scan# 4150
 Delta R.T. 0.01 min
 Lab File: VN062049.D
 Acq: 23 Jun 2020 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20200615DL

Tot Ion:128 Resp: 210
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#

