

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062047.D
 Acq On : 23 Jun 2020 17:25
 Operator : JC/MD
 Sample : L3043-10DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616DL

Quant Time: Jun 24 01:33:28 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	7.62	168	140447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	260533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	249871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97135	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	98637	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	7.55	113	81911	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	10.06	98	330339	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	12.38	95	111000	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	

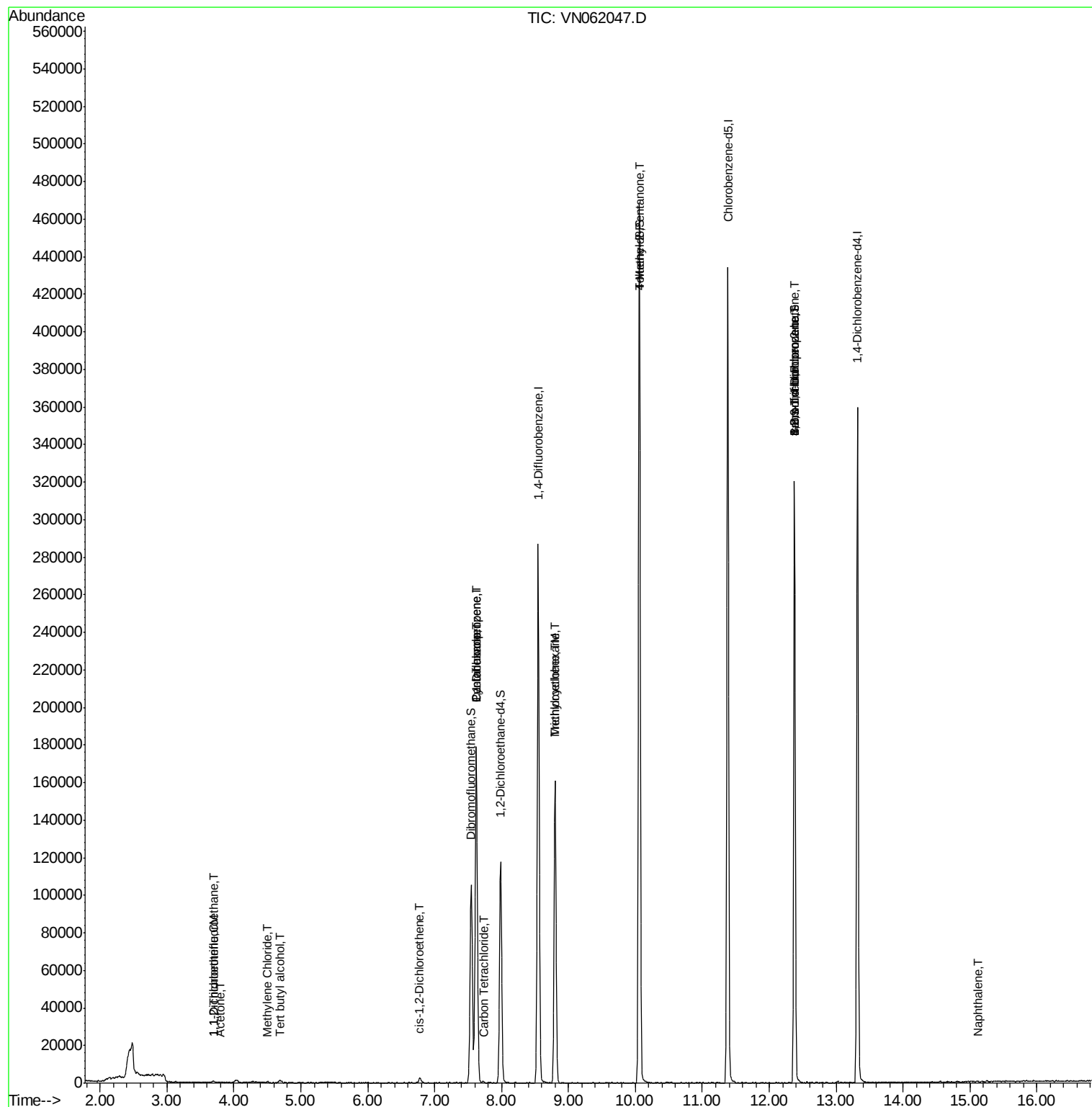
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	312	0.219	ug/l #	74
11) Tert butyl alcohol	4.69	59	760	2.916	ug/l #	74
12) 1,1-Dichloroethene	3.69	96	512	0.359	ug/l #	39
16) Acetone	3.78	43	675	1.213	ug/l #	40
20) Methylene Chloride	4.51	84	405	0.223	ug/l #	60
27) cis-1,2-Dichloroethene	6.78	96	426	0.225	ug/l	60
31) Cyclohexane	7.62	56	2849	1.148	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	11787	4.960	ug/l #	48
38) Carbon Tetrachloride	7.74	117	570	0.242	ug/l #	68
39) Methylcyclohexane	8.80	83	660	0.258	ug/l #	1
44) Trichloroethene	8.80	130	59088	31.190	ug/l	97
51) 4-Methyl-2-Pentanone	10.06	43	1234	0.668	ug/l #	1
71) Bromoform	12.38	173	962	0.717	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	55677	29.196	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55677	79.630	ug/l #	14
95) Naphthalene	15.11	128	784	3.634	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

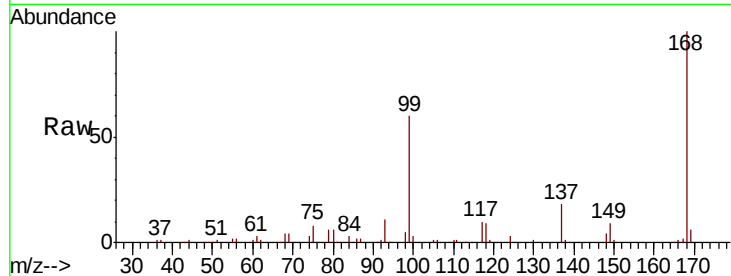
RE139D2-20200616DL

Tot Ion:168 Resp: 140447

Ion Ratio Lower Upper

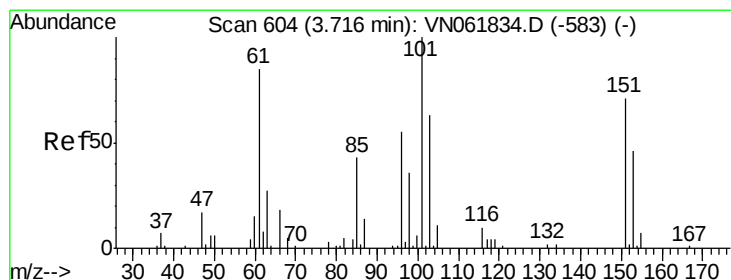
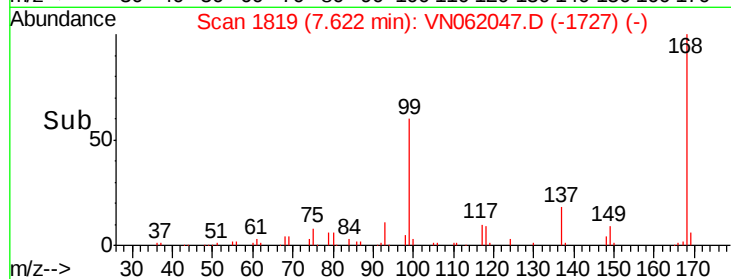
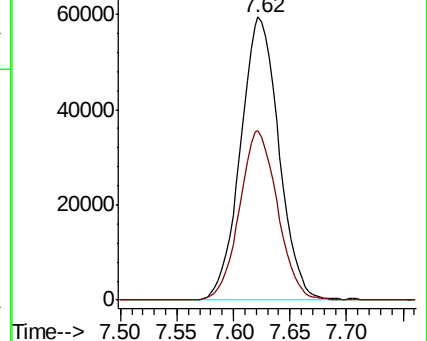
168 100

99 59.8 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.219 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

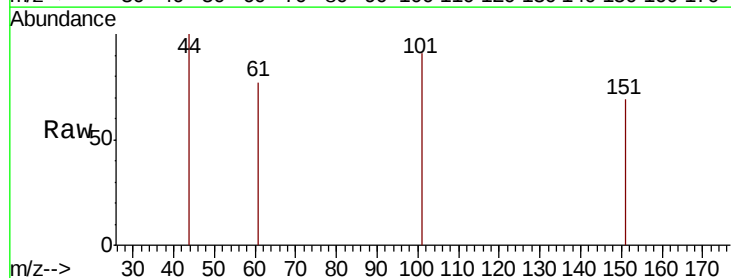
Tgt Ion:101 Resp: 312

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

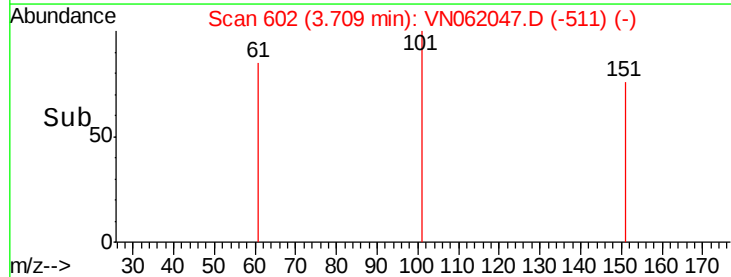
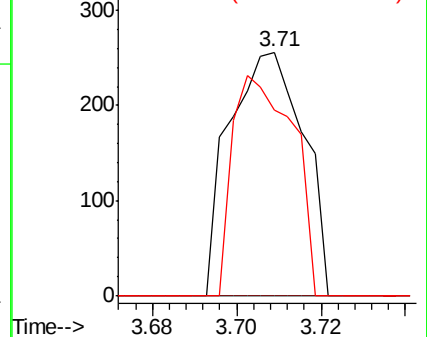
151 73.4 59.2 88.8

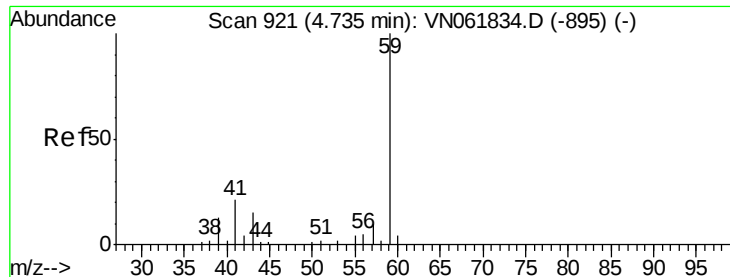


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



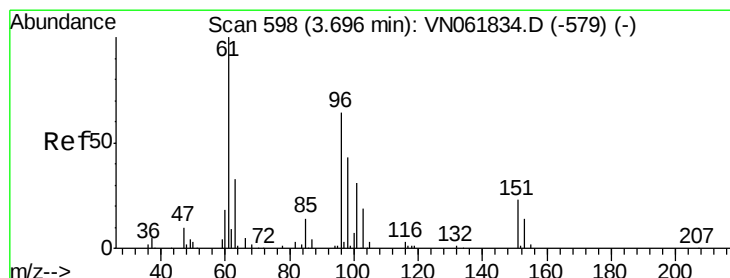
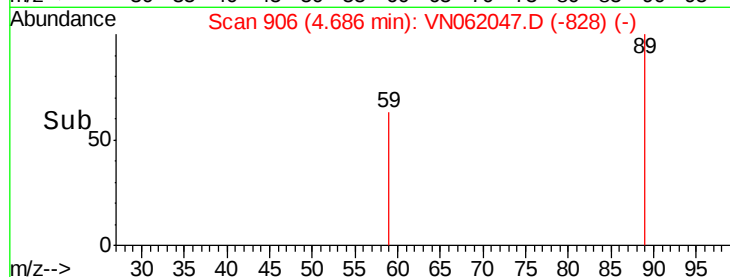
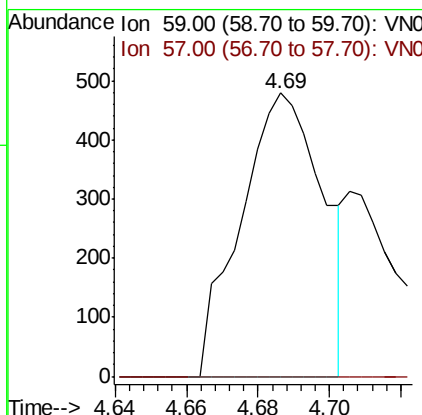
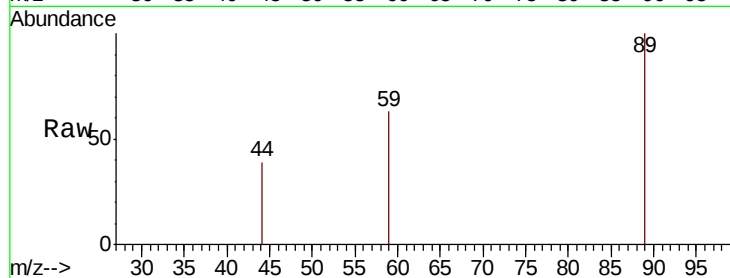


#11

Tert butyl alcohol
 Concen: 2.916 ug/l
 RT: 4.69 min Scan# 906
 Delta R.T. -0.05 min
 Lab File: VN062047.D
 Acq: 23 Jun 2020 17:25

Instrument :
 MSVOA_N
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 RE139D2-20200616DL

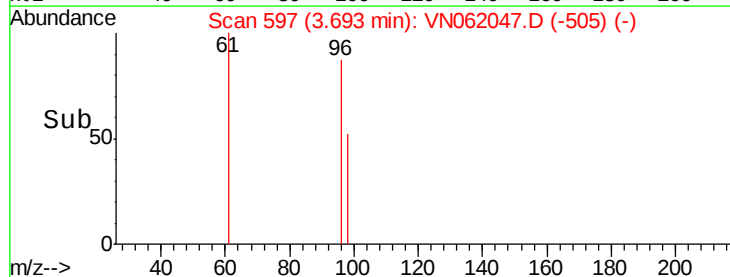
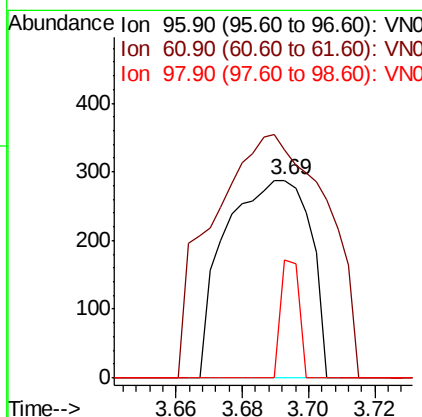
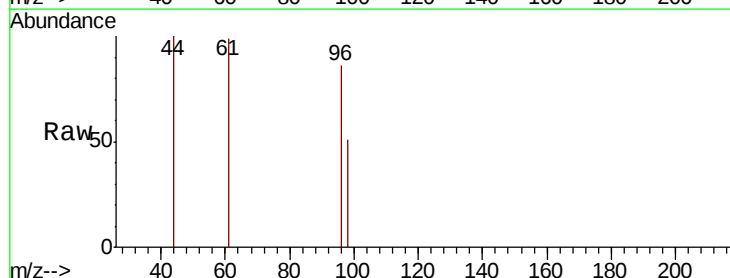
Tot Ion: 59 Resp: 760
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

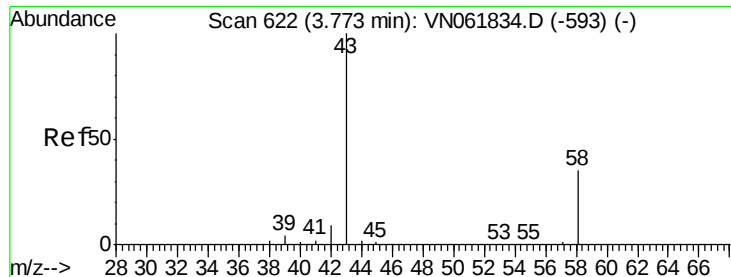


#12

1,1-Dichloroethene
 Concen: 0.359 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062047.D
 Acq: 23 Jun 2020 17:25

Tgt Ion: 96 Resp: 512
 Ion Ratio Lower Upper
 96 100
 61 47.2 124.3 186.5#
 98 59.4 53.1 79.7





#16

Acetone

Concen: 1.213 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

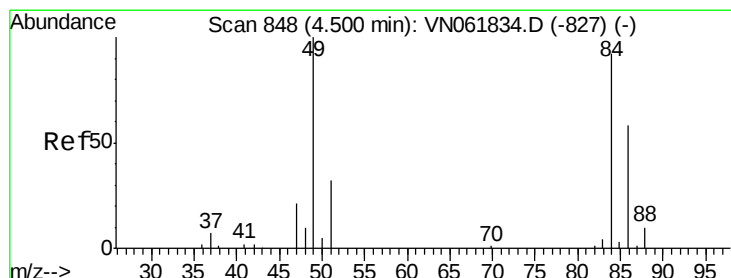
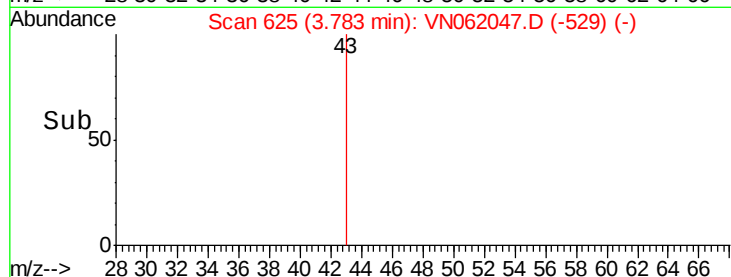
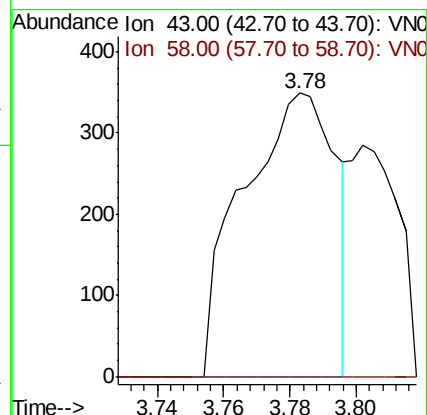
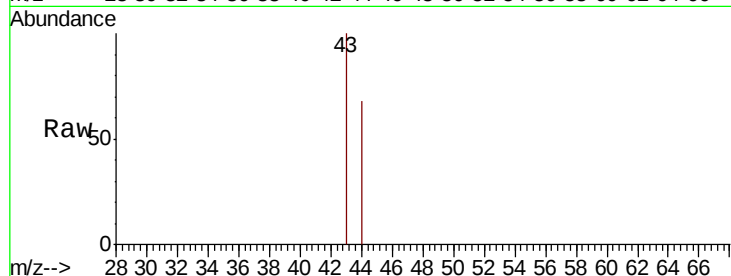
RE139D2-20200616DL

Tot Ion: 43 Resp: 675

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.8#



#20

Methylene Chloride

Concen: 0.223 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.01 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Tgt Ion: 84 Resp: 405

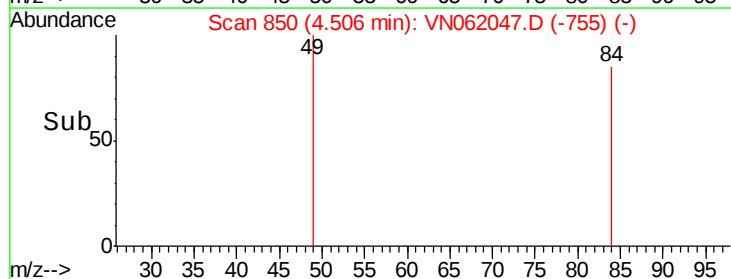
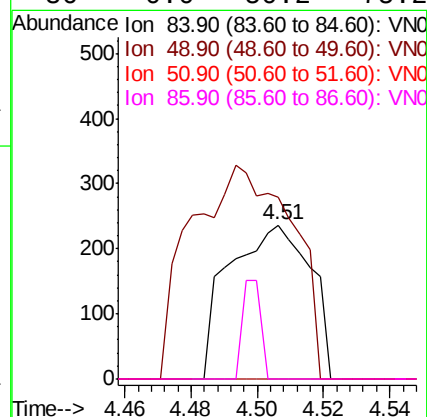
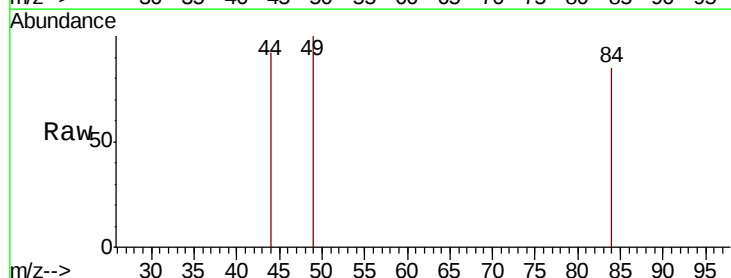
Ion Ratio Lower Upper

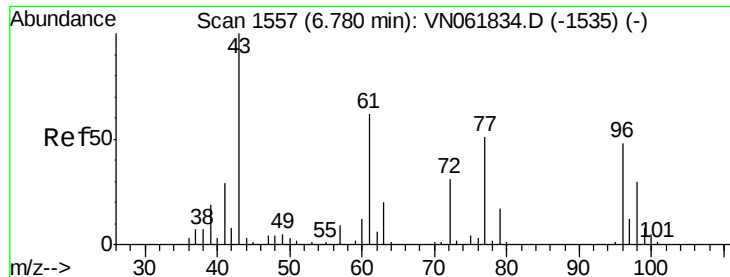
84 100

49 118.2 87.0 130.4

51 0.0 27.8 41.6#

86 0.0 50.2 75.2#





#27

cis-1,2-Dichloroethene

Concen: 0.225 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

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RE139D2-20200616DL

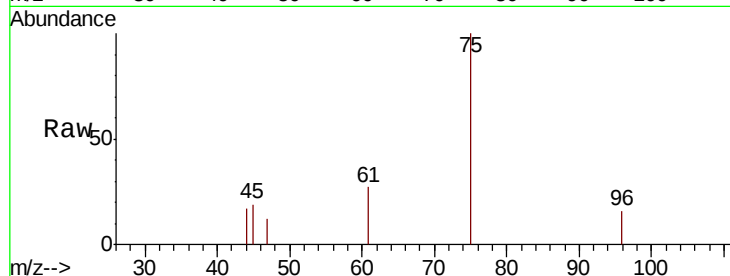
Tot Ion: 96 Resp: 426

Ion Ratio Lower Upper

96 100

61 168.1 0.0 265.6

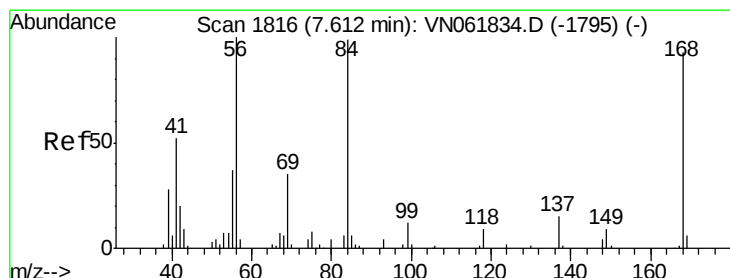
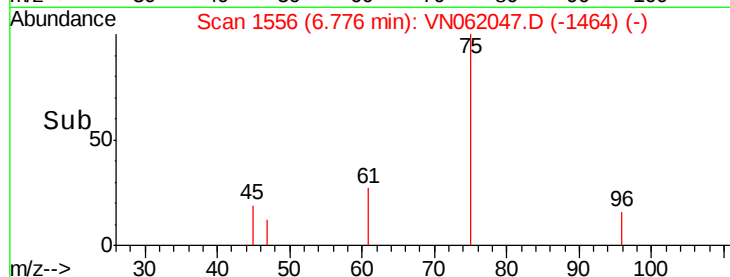
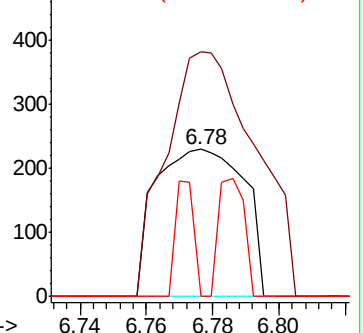
98 16.2 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.148 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. 0.01 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

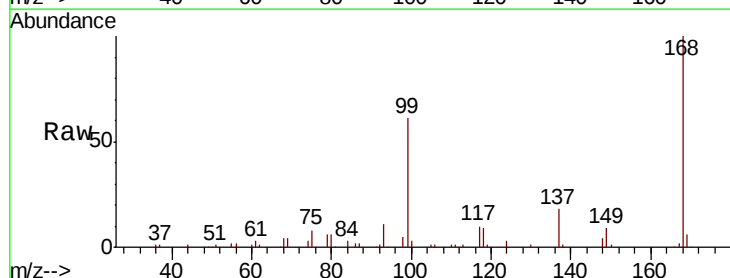
Tgt Ion: 56 Resp: 2849

Ion Ratio Lower Upper

56 100

69 162.1 27.7 41.5#

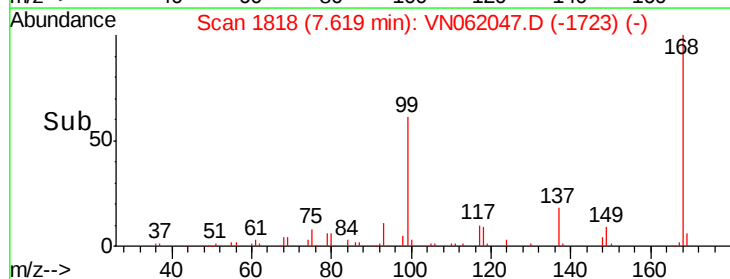
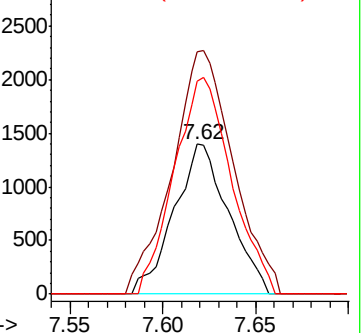
84 142.1 79.1 118.7#

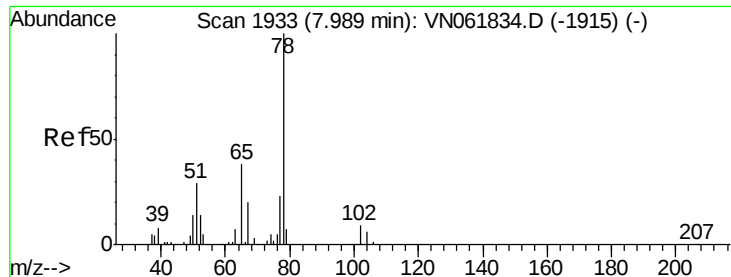


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

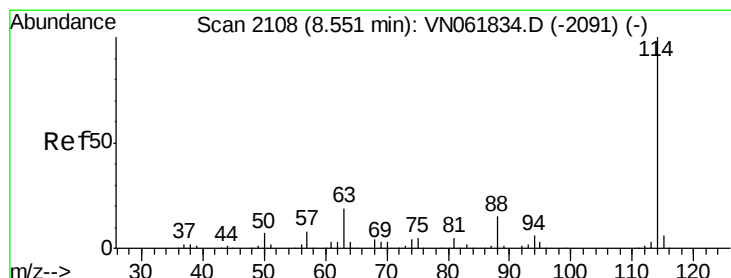
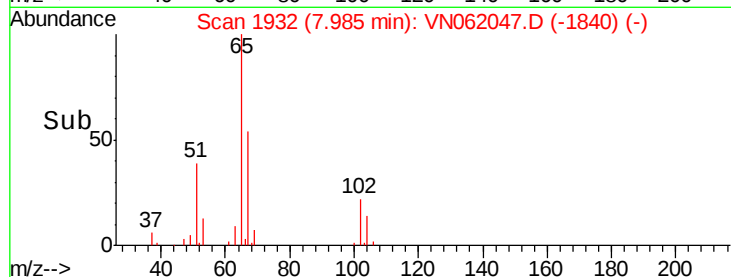
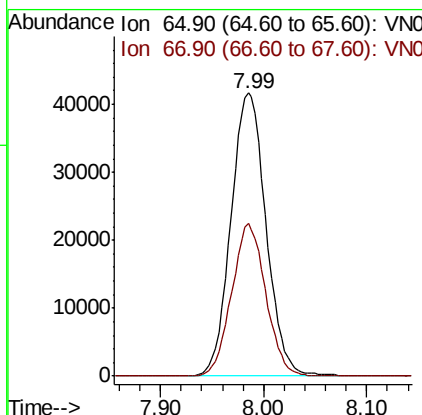
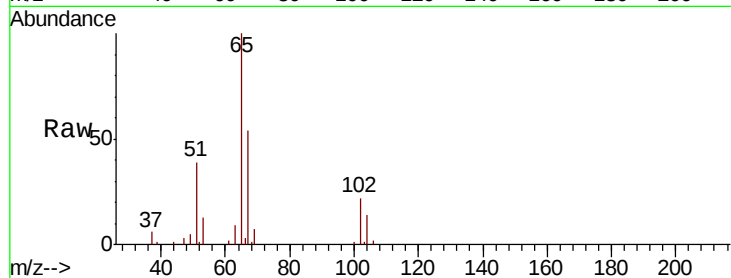




#33
 1,2-Dichloroethane-d4
 Concen: 52.366 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062047.D
 Acq: 23 Jun 2020 17:25

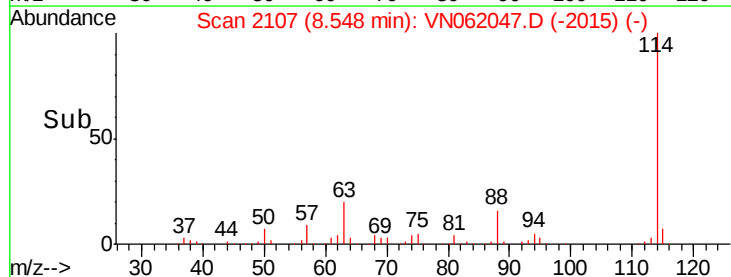
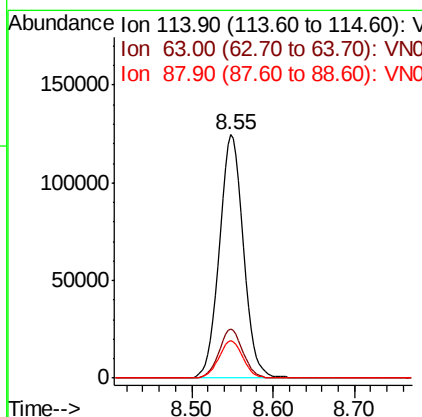
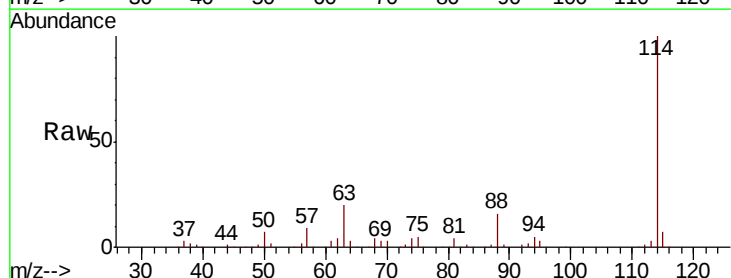
Instrument :
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 RE139D2-20200616DL

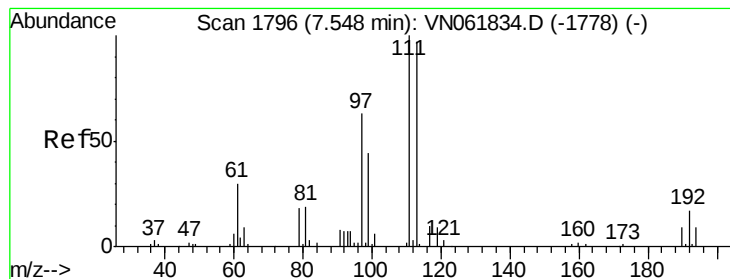
Tot Ion: 65 Resp: 98637
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062047.D
 Acq: 23 Jun 2020 17:25

Tgt Ion: 114 Resp: 260533
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 37.6
 88 15.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.144 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616DL

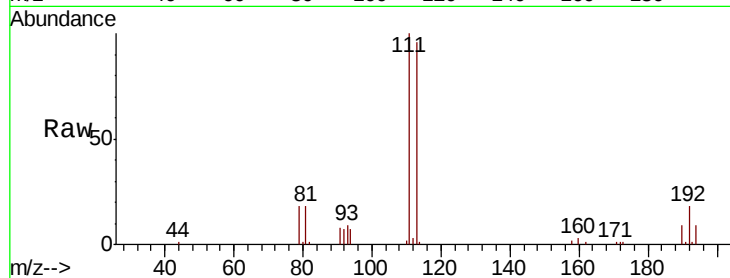
Tot Ion:113 Resp: 81911

Ion Ratio Lower Upper

113 100

111 103.0 83.7 125.5

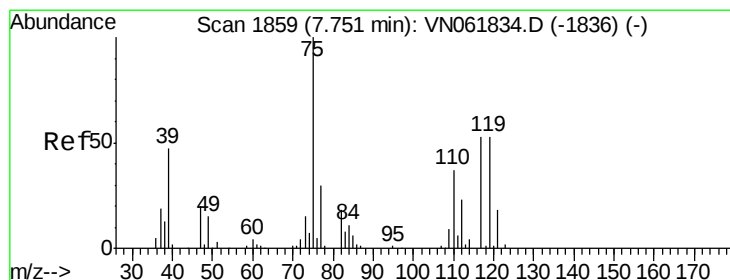
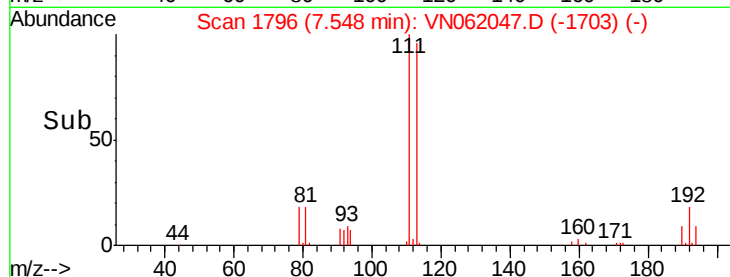
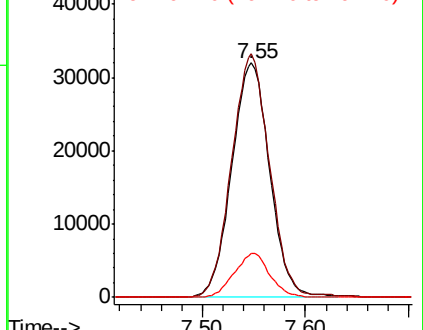
192 17.6 13.9 20.9



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: 4.960 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.13 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

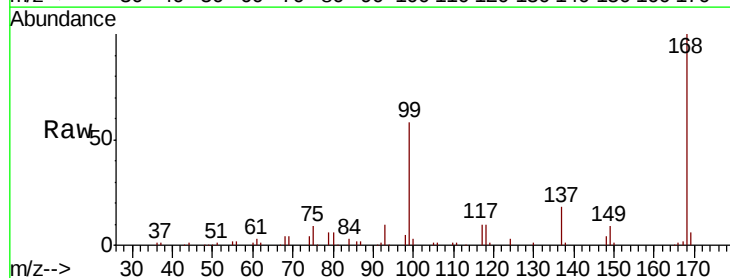
Tgt Ion: 75 Resp: 11787

Ion Ratio Lower Upper

75 100

110 7.3 18.2 54.6#

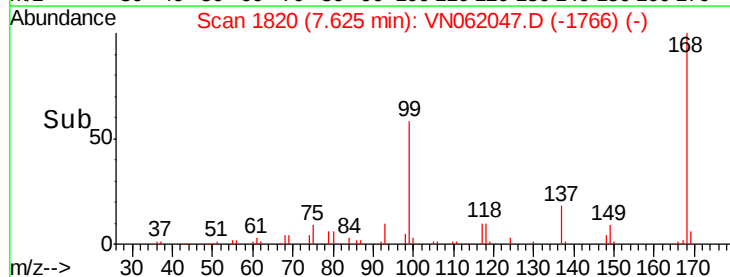
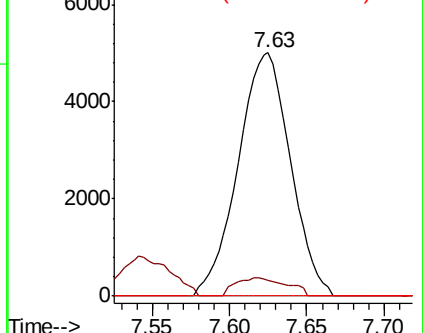
77 0.0 24.2 36.4#

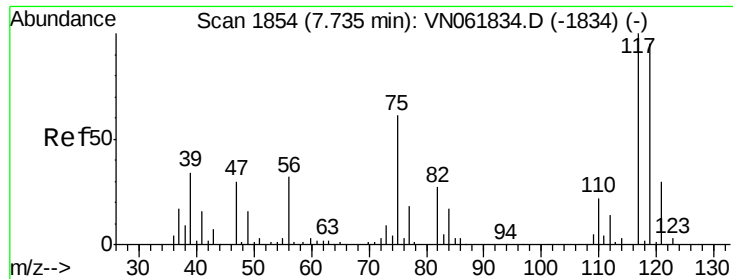


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 0.242 ug/l

RT: 7.74 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VN062047.D

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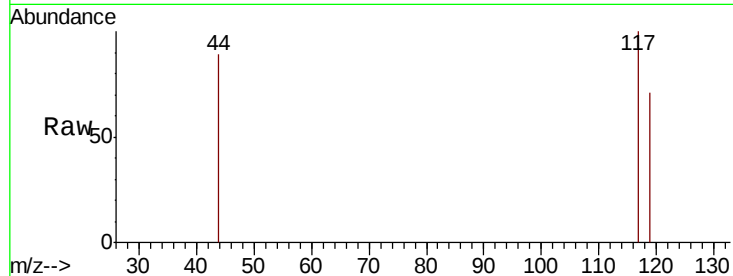
Tot Ion:117 Resp: 570

Ion Ratio Lower Upper

117 100

119 70.6 75.8 113.6#

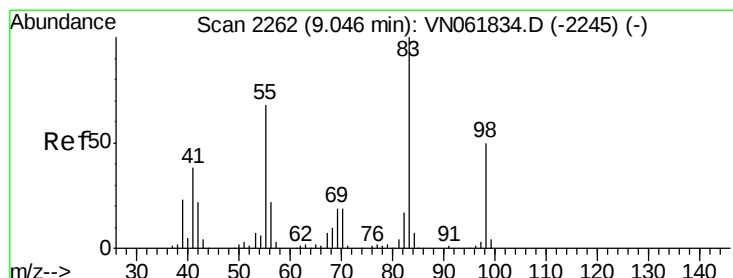
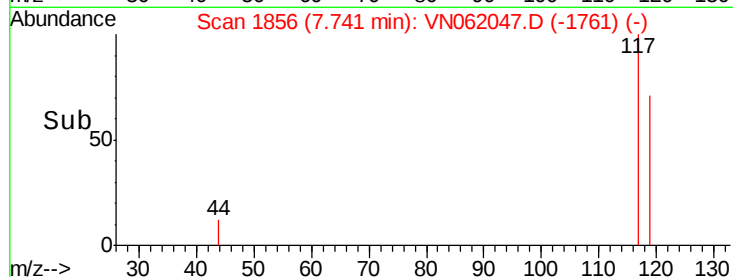
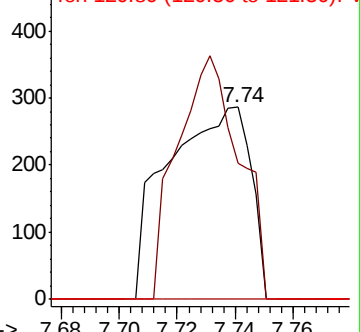
121 0.0 23.8 35.6#



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



#39

Methylcyclohexane

Concen: 0.258 ug/l

RT: 8.80 min Scan# 2184

Delta R.T. -0.25 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

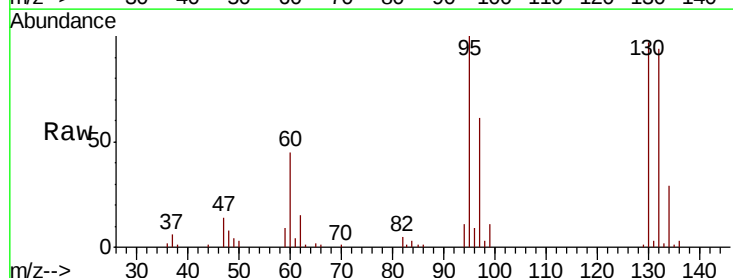
Tgt Ion: 83 Resp: 660

Ion Ratio Lower Upper

83 100

55 0.0 54.2 81.4#

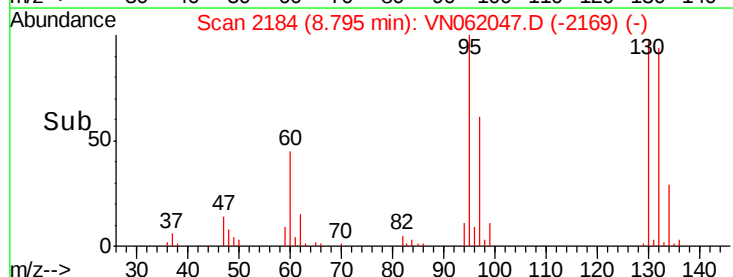
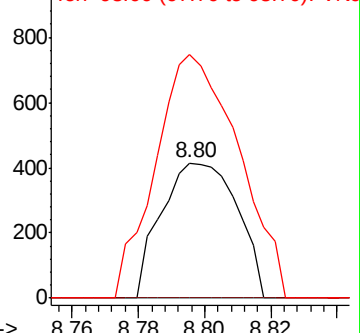
98 139.8 39.8 59.6#

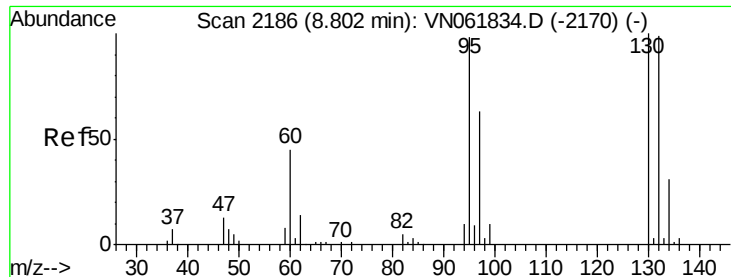


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#44

Trichloroethene

Concen: 31.190 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

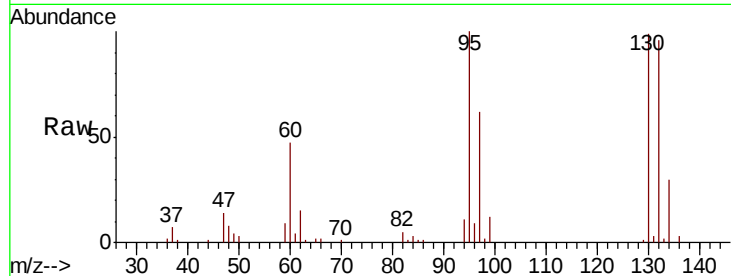
RE139D2-20200616DL

Tot Ion:130 Resp: 59088

Ion Ratio Lower Upper

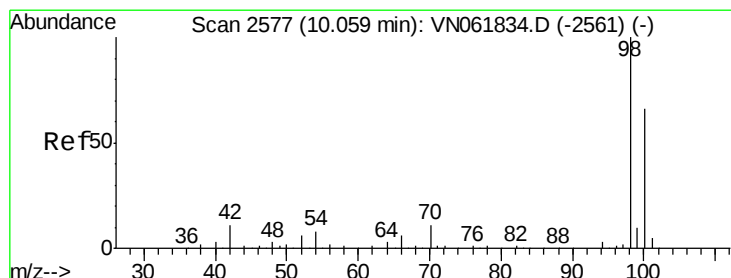
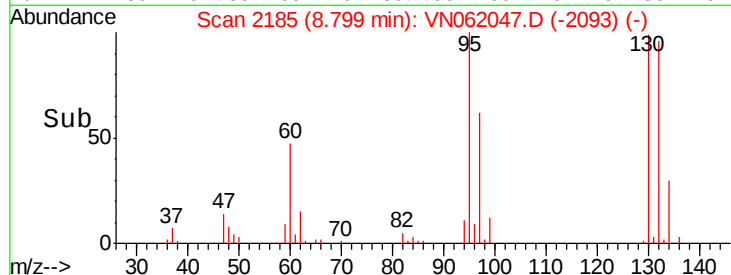
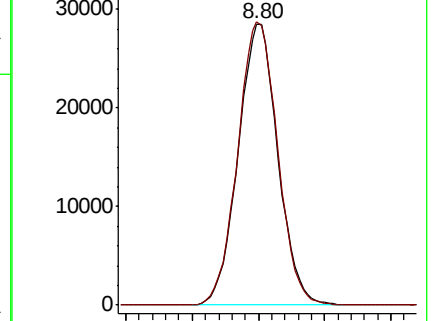
130 100

95 100.7 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 50.413 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062047.D

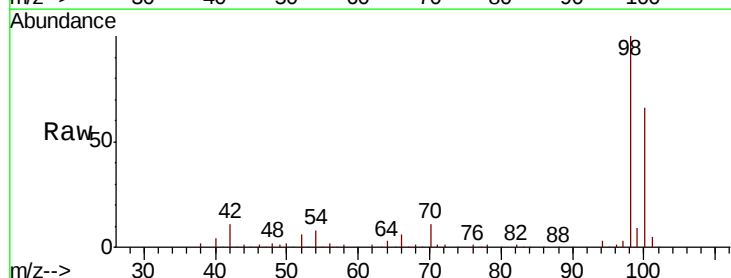
Acq: 23 Jun 2020 17:25

Tgt Ion: 98 Resp: 330339

Ion Ratio Lower Upper

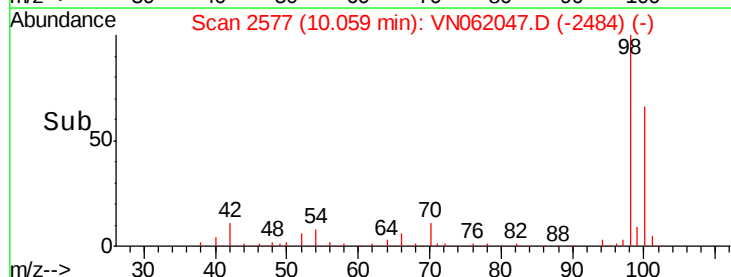
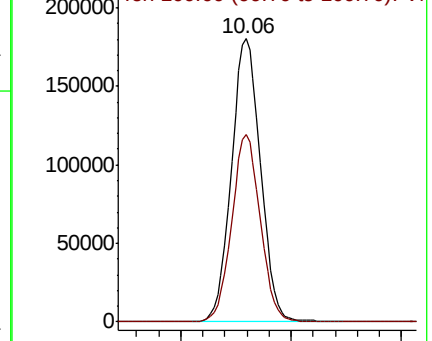
98 100

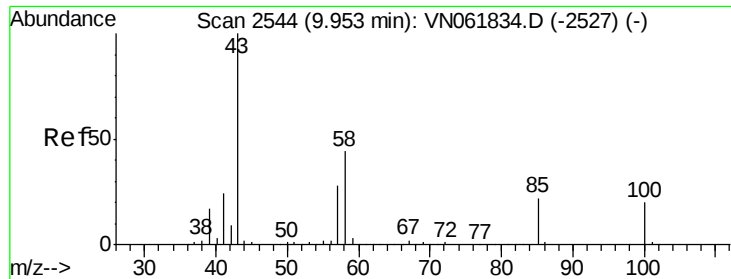
100 65.0 52.7 79.1



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: 0.668 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

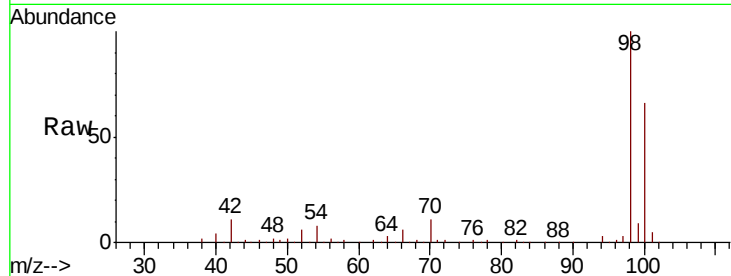
RE139D2-20200616DL

Tot Ion: 43 Resp: 1234

Ion Ratio Lower Upper

43 100

58 198.8 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

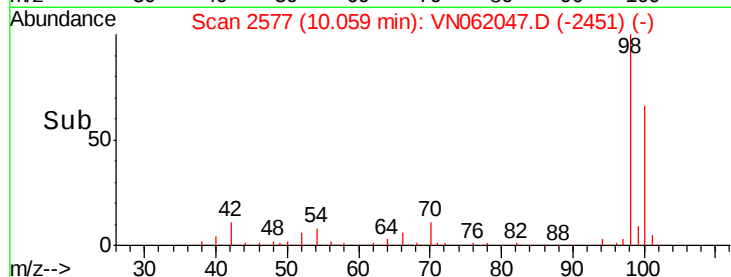
1000

500

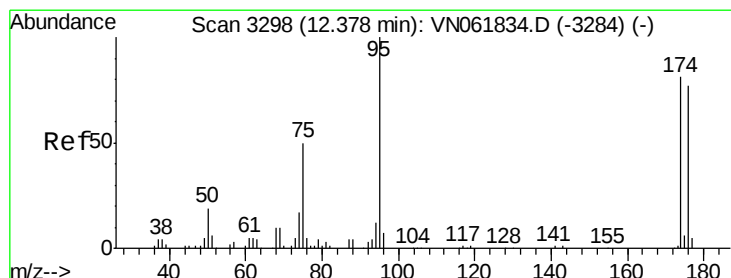
0

10.05

10.10



Time-->



#62

4-Bromofluorobenzene

Concen: 49.384 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

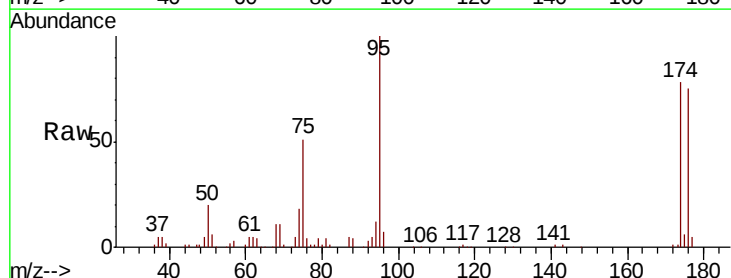
Tgt Ion: 95 Resp: 111000

Ion Ratio Lower Upper

95 100

174 76.8 0.0 158.6

176 74.5 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) (-)

80000

60000

40000

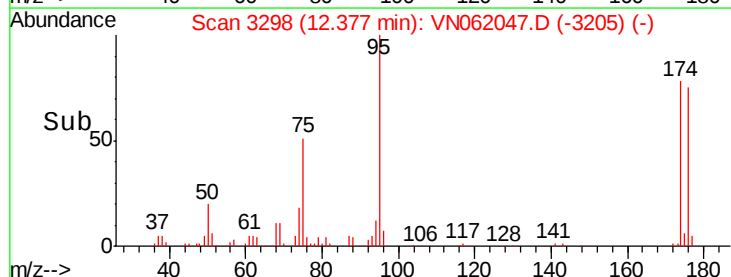
20000

0

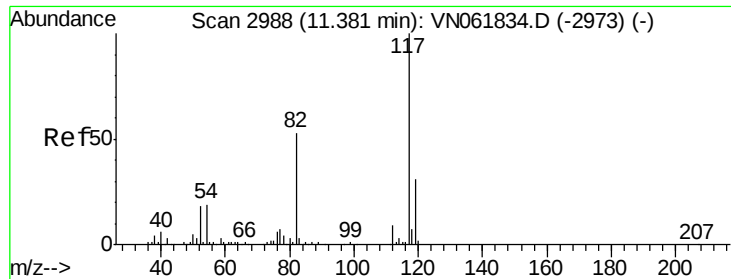
12.30

12.40

12.50



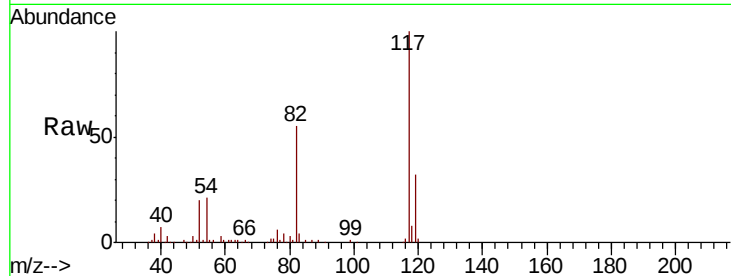
Time-->



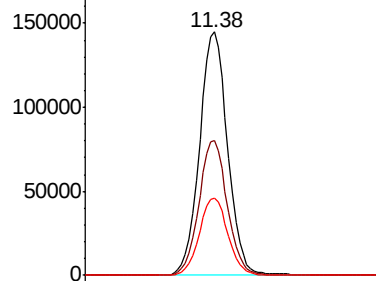
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062047.D
Acq: 23 Jun 2020 17:25

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616DL

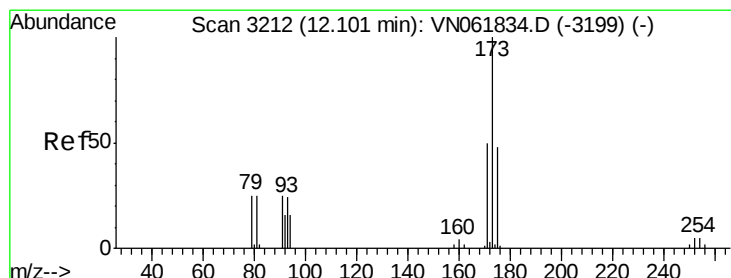
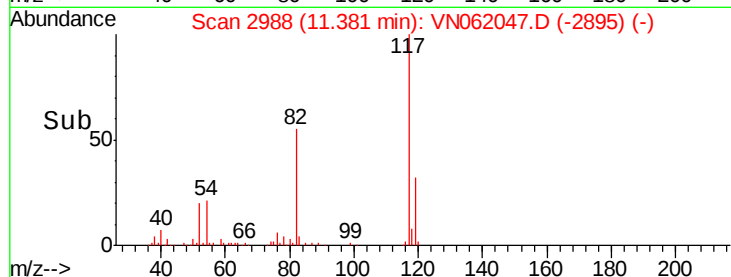
Tot Ion:117 Resp: 249871
Ion Ratio Lower Upper
117 100
82 55.2 42.6 64.0
119 31.5 24.7 37.1



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

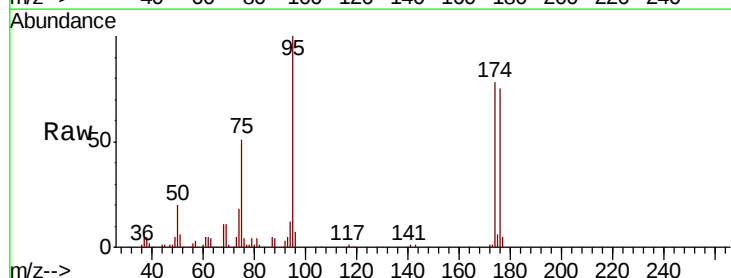


Time-->

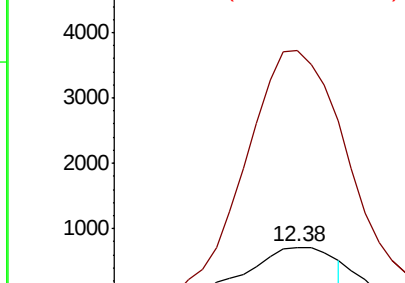


#71
Bromoform
Concen: 0.717 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN062047.D
Acq: 23 Jun 2020 17:25

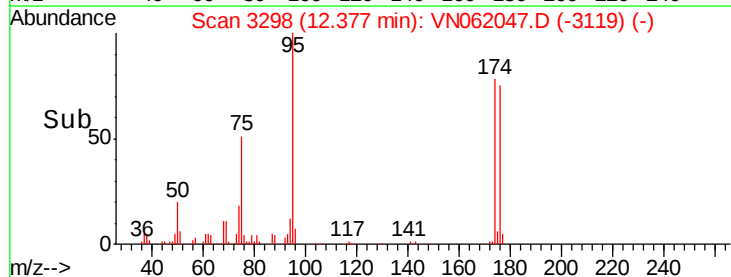
Tgt Ion:173 Resp: 962
Ion Ratio Lower Upper
173 100
175 544.4 23.9 71.7#
254 0.0 0.0 0.0

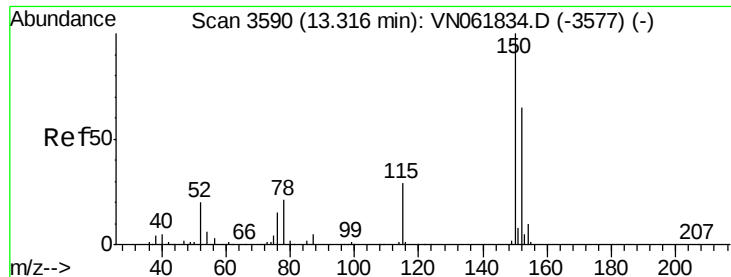


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616DL

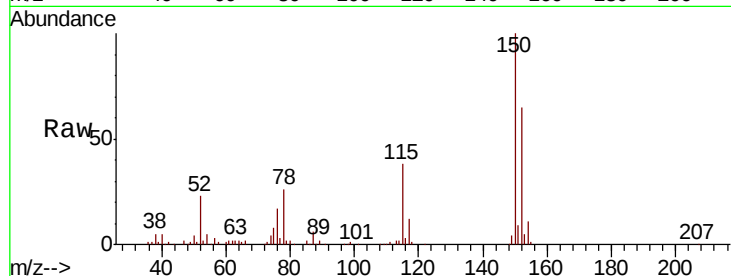
Tot Ion:152 Resp: 97135

Ion Ratio Lower Upper

152 100

115 60.1 29.1 87.3

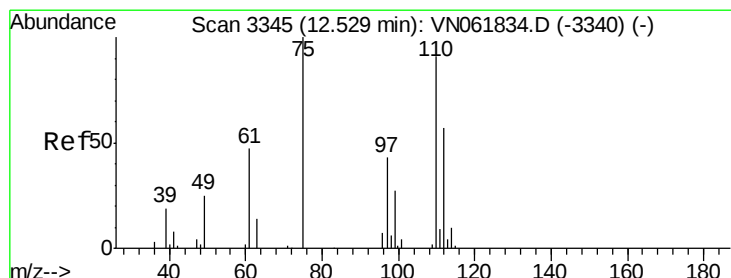
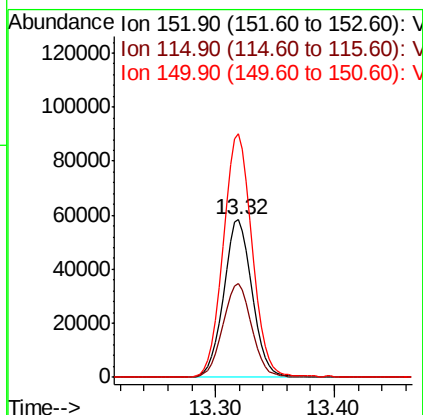
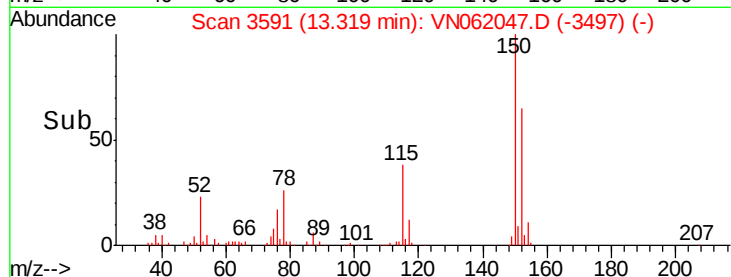
150 155.9 0.0 347.6



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: 29.196 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062047.D

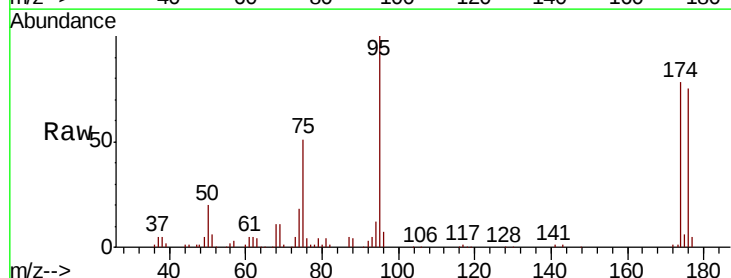
Acq: 23 Jun 2020 17:25

Tgt Ion: 75 Resp: 55677

Ion Ratio Lower Upper

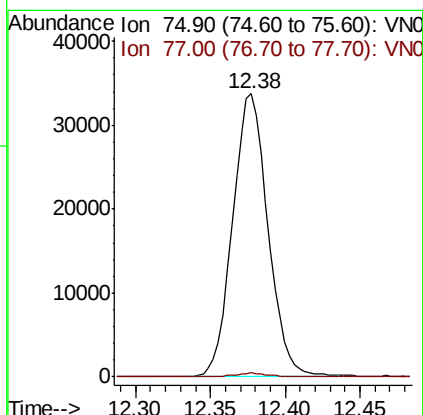
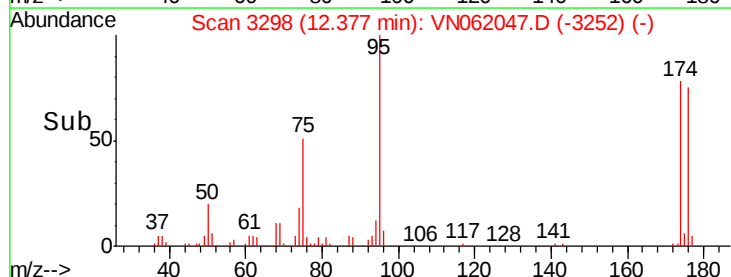
75 100

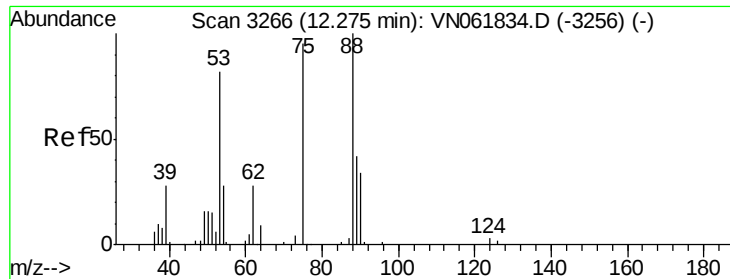
77 1.1 0.0 0.0#



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: 79.630 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616DL

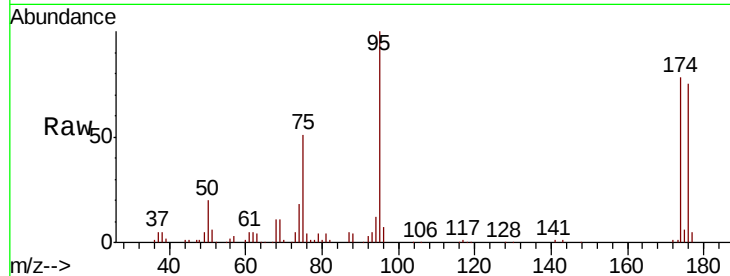
Tot Ion: 75 Resp: 55677

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

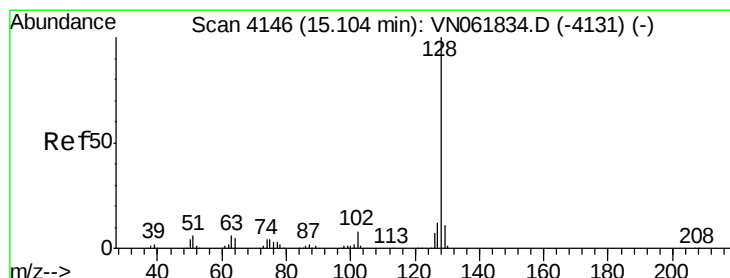
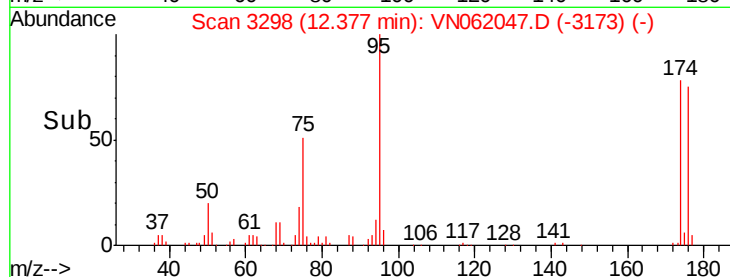
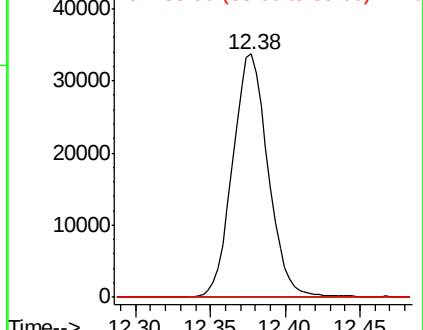
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061834.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061834.D (-3256) (-)



#95

Naphthalene

Concen: 3.634 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN062047.D

Acq: 23 Jun 2020 17:25

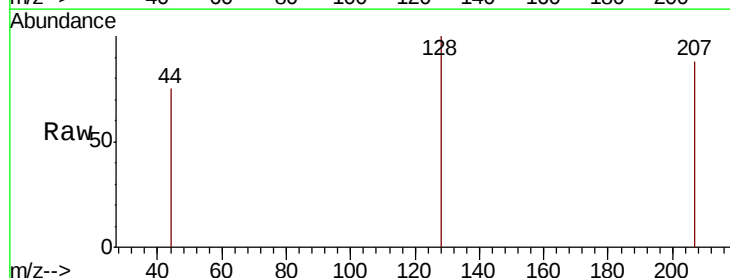
Tgt Ion: 128 Resp: 784

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): VN061834.D (-4131) (-)

Ion 127.00 (126.70 to 127.70): VN061834.D (-4131) (-)

Ion 129.00 (128.70 to 129.70): VN061834.D (-4131) (-)

