

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062320\
 Data File : VN062048.D
 Acq On : 23 Jun 2020 17:49
 Operator : JC/MD
 Sample : L3043-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D1-20200616DL

Quant Time: Jun 24 01:33:41 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	7.62	168	144956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	270676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	267216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104784	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	101833	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	
35) Dibromofluoromethane	7.55	113	85225	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	10.06	98	344156	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.38	95	119087	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	

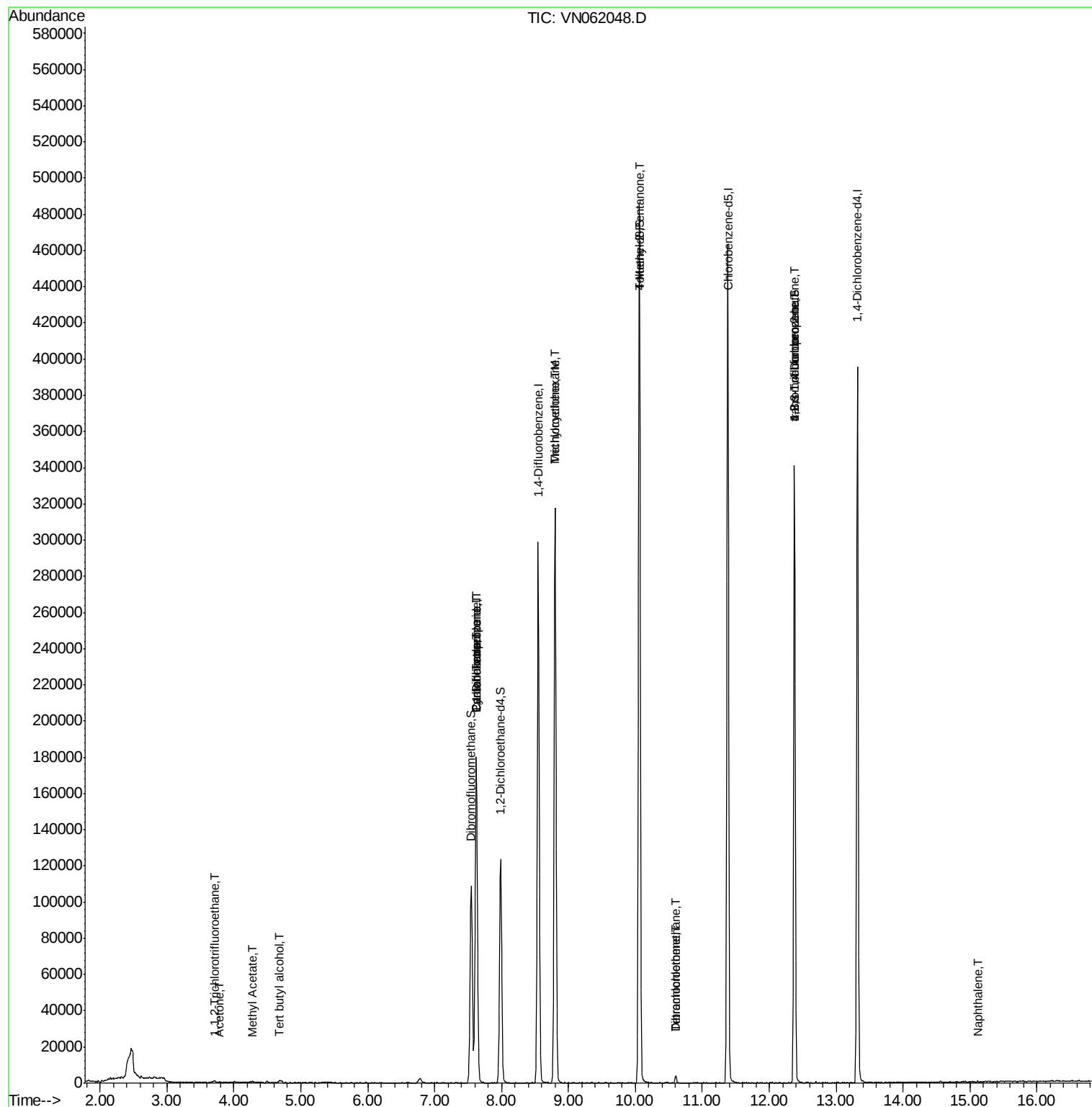
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.71	101	603	0.410	ug/l #	80
11) Tert butyl alcohol	4.68	59	543	2.018	ug/l #	74
16) Acetone	3.78	43	788	1.372	ug/l #	40
18) Methyl Acetate	4.28	43	374	0.226	ug/l #	46
31) Cyclohexane	7.62	56	3126	1.220	ug/l #	7
36) 1,1-Dichloropropene	7.62	75	11931	4.833	ug/l #	48
38) Carbon Tetrachloride	7.62	117	14926	6.105	ug/l #	17
39) Methylcyclohexane	8.80	83	1369	0.515	ug/l #	1
44) Trichloroethene	8.80	130	117175	59.534	ug/l	98
51) 4-Methyl-2-Pentanone	10.06	43	1517	0.790	ug/l #	1
60) Dibromochloromethane	10.60	129	911	0.442	ug/l #	11
64) Tetrachloroethene	10.60	164	1182	0.694	ug/l #	76
76) 1,2,3-Trichloropropane	12.38	75	60999	29.652	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	60999	80.873	ug/l #	14
95) Naphthalene	15.12	128	217	3.522	ug/l #	69

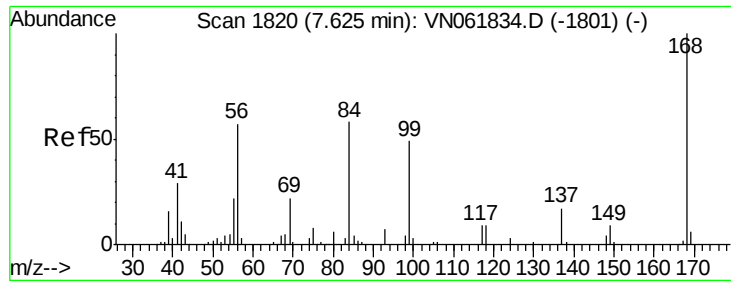
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062320\
Data File : VN062048.D
Acq On : 23 Jun 2020 17:49
Operator : JC/MD
Sample : L3043-04DL 10X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20200616DL

Quant Time: Jun 24 01:33:41 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: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

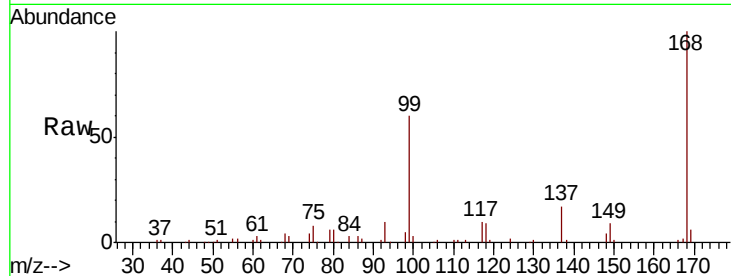
RE103D1-20200616DL

Tot Ion:168 Resp: 144956

Ion Ratio Lower Upper

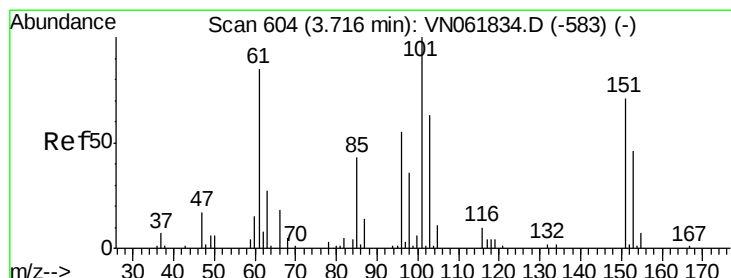
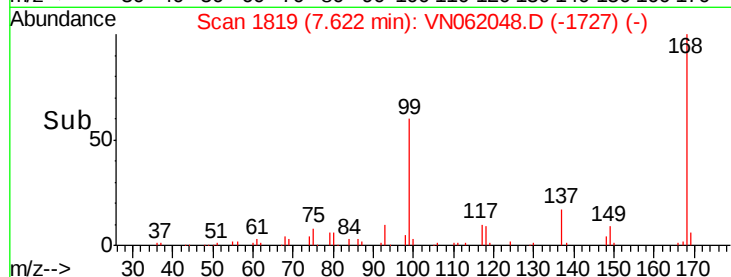
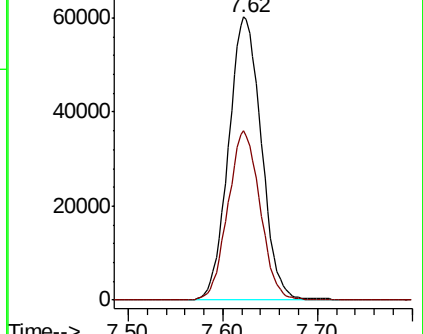
168 100

99 59.7 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: 0.410 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

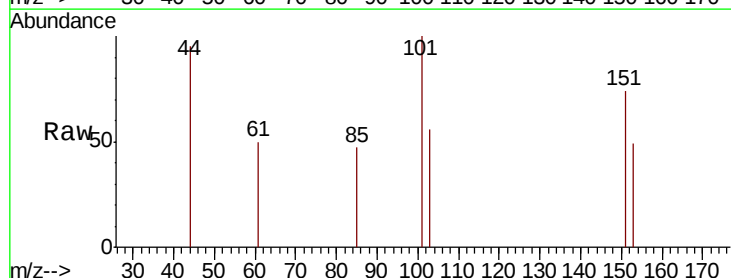
Tgt Ion:101 Resp: 603

Ion Ratio Lower Upper

101 100

85 20.1 35.0 52.6#

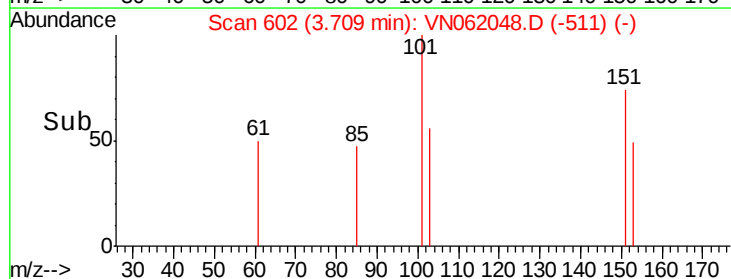
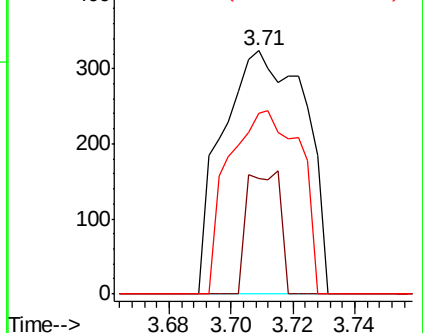
151 65.3 59.2 88.8

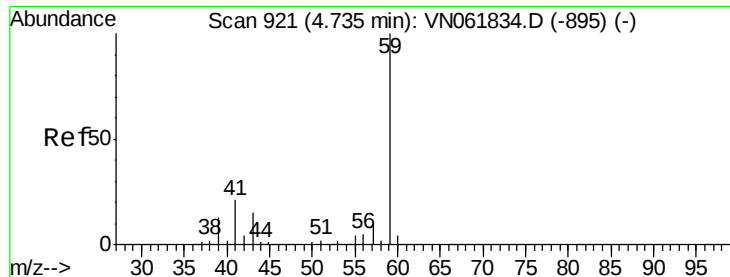


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

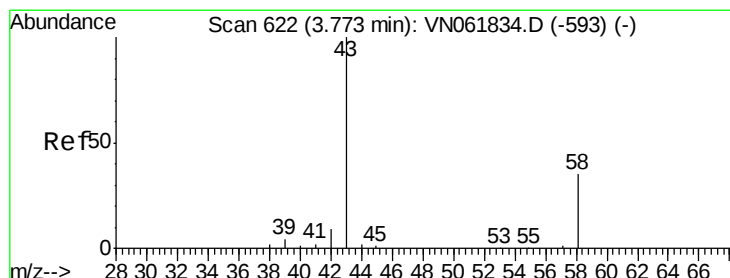
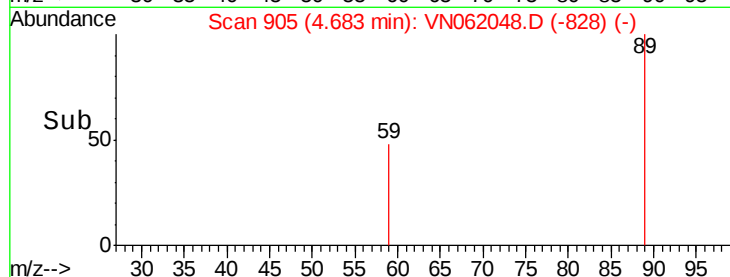
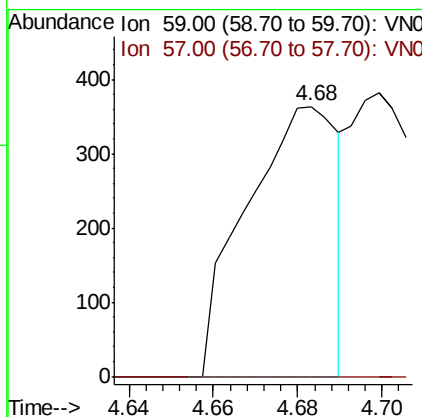
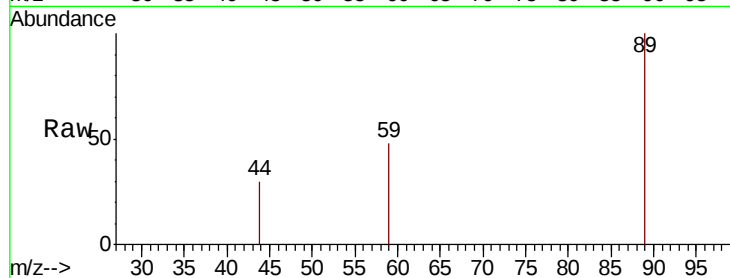




#11
Tert butyl alcohol
Concen: 2.018 ug/l
RT: 4.68 min Scan# 905
Delta R.T. -0.05 min
Lab File: VN062048.D
Acq: 23 Jun 2020 17:49

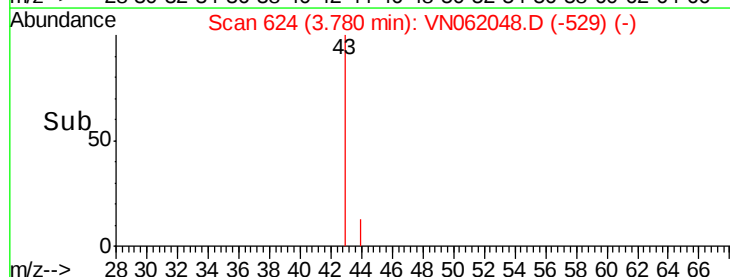
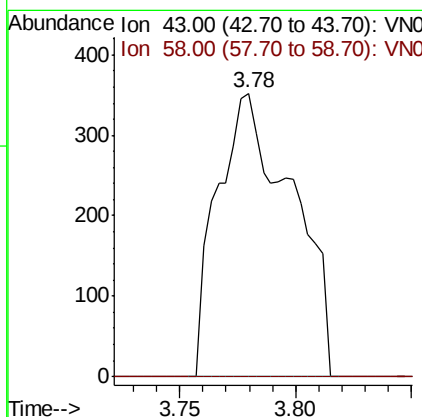
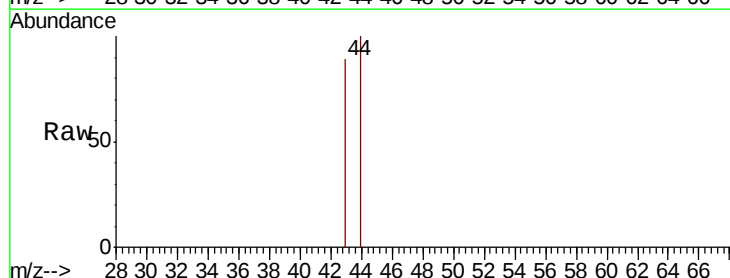
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20200616DL

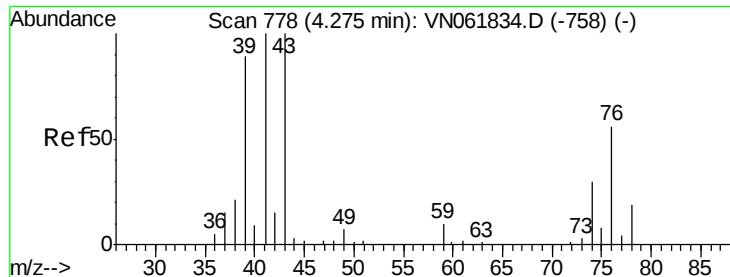
Tot Ion: 59 Resp: 543
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 1.372 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062048.D
Acq: 23 Jun 2020 17:49

Tgt Ion: 43 Resp: 788
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

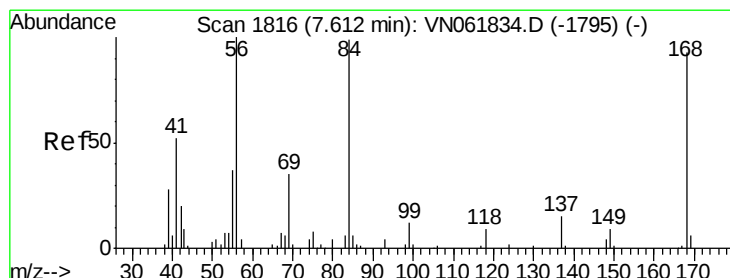
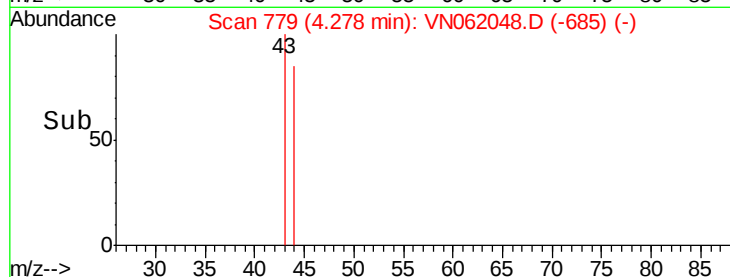
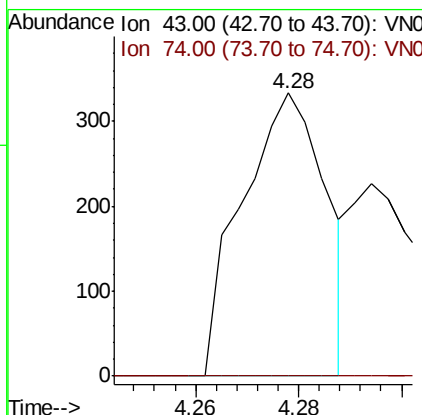
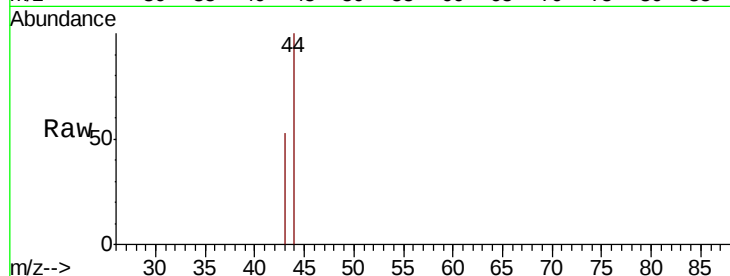




#18
Methyl Acetate
Concen: 0.226 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062048.D
Acq: 23 Jun 2020 17:49

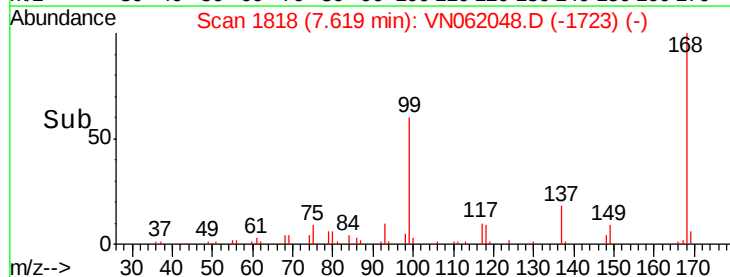
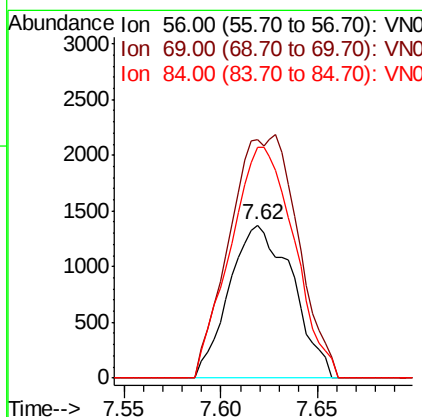
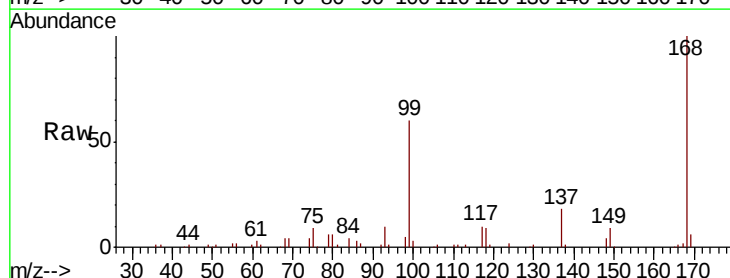
Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20200616DL

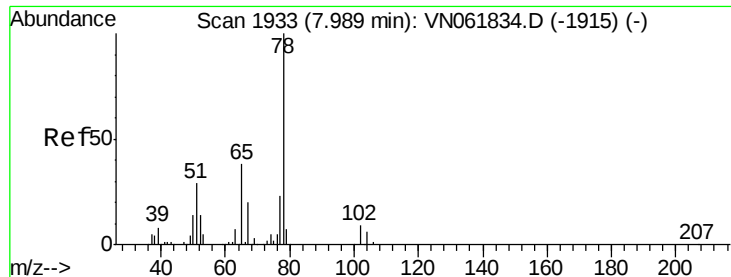
Tot Ion: 43 Resp: 374
Ion Ratio Lower Upper
43 100
74 0.0 23.0 34.4#



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN062048.D
Acq: 23 Jun 2020 17:49

Tgt Ion: 56 Resp: 3126
Ion Ratio Lower Upper
56 100
69 155.4 27.7 41.5#
84 150.4 79.1 118.7#

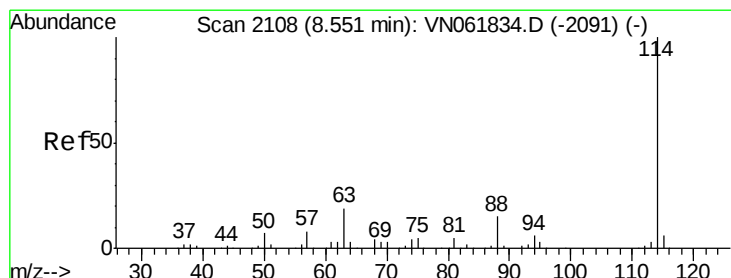
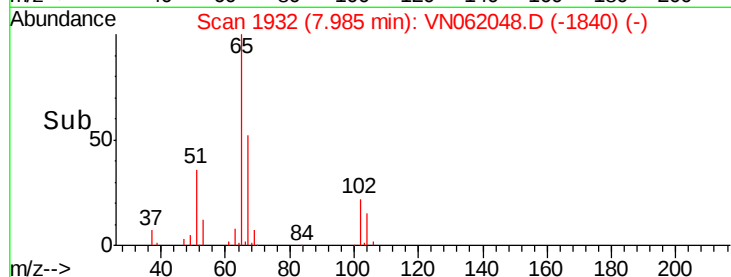
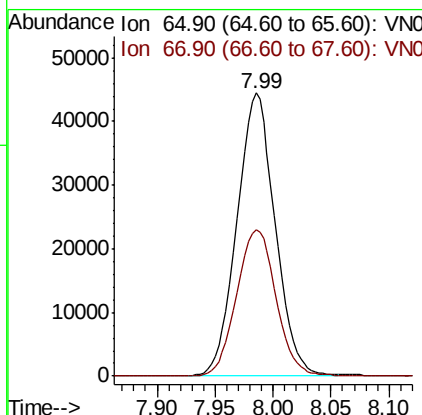
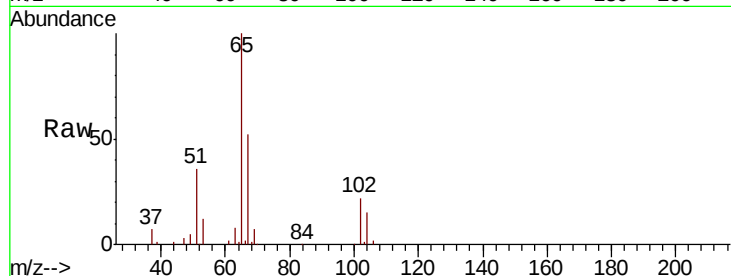




#33
 1,2-Dichloroethane-d4
 Concen: 52.381 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062048.D
 Acq: 23 Jun 2020 17:49

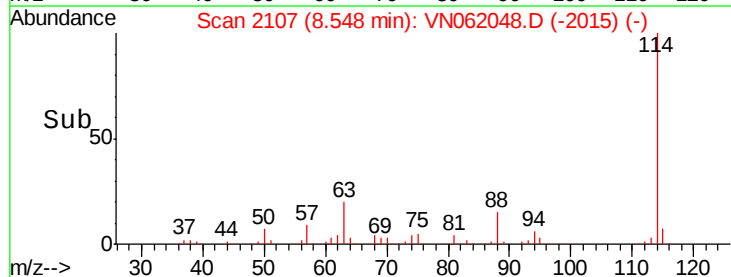
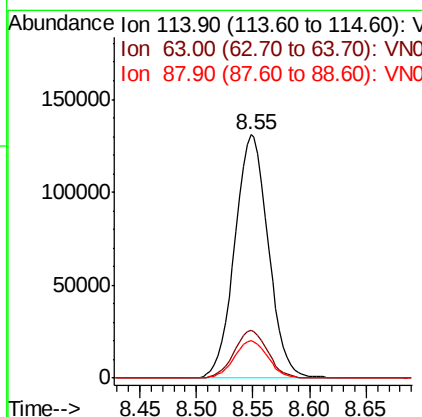
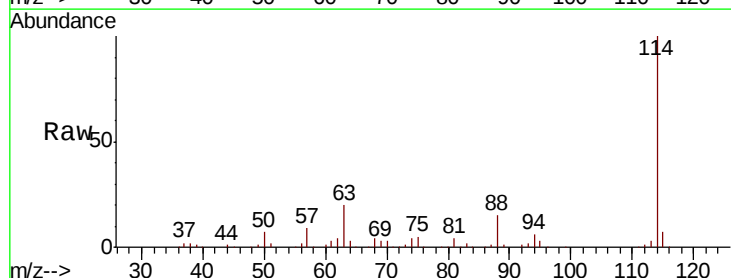
Instrument :
 MSVOA_N
 ClientSampleId :
 RE103D1-20200616DL

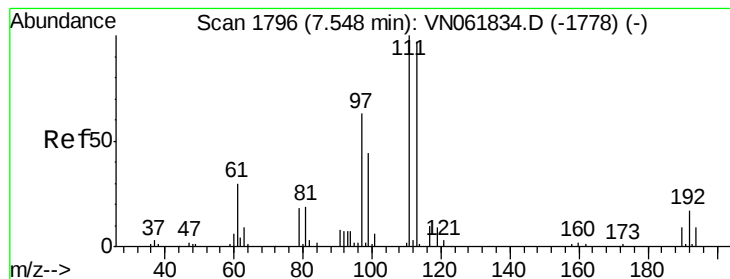
Tot Ion: 65 Resp: 101833
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062048.D
 Acq: 23 Jun 2020 17:49

Tgt Ion: 114 Resp: 270676
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.6
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 49.216 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200616DL

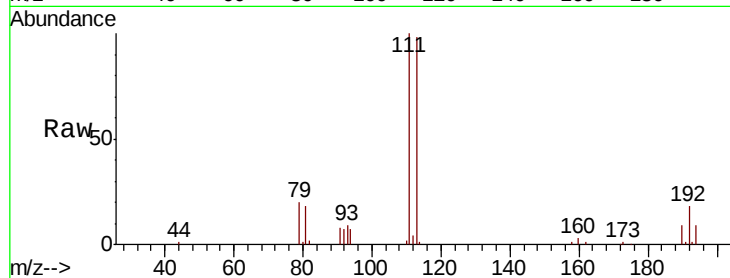
Tot Ion:113 Resp: 85225

Ion Ratio Lower Upper

113 100

111 102.1 83.7 125.5

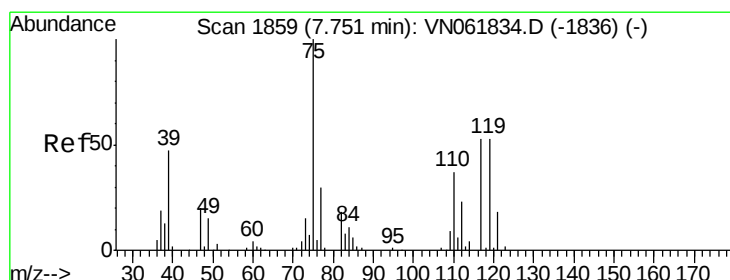
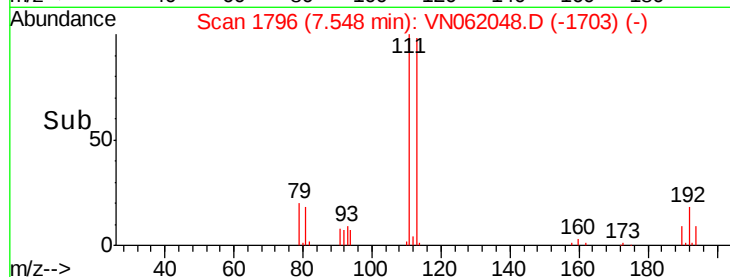
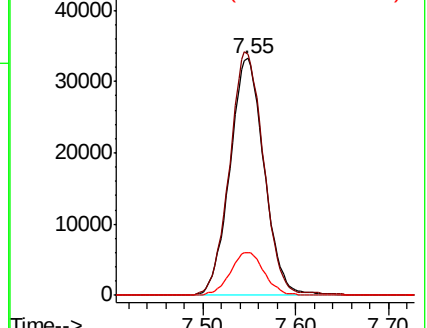
192 17.8 13.9 20.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

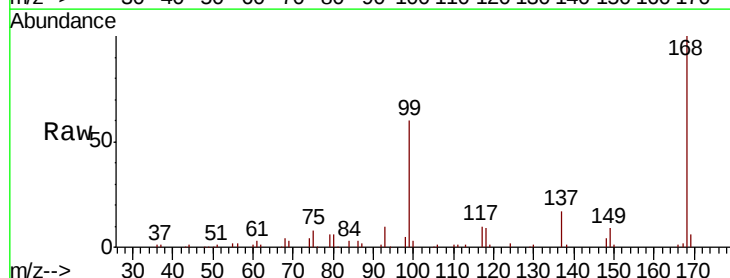
Tgt Ion: 75 Resp: 11931

Ion Ratio Lower Upper

75 100

110 7.4 18.2 54.6#

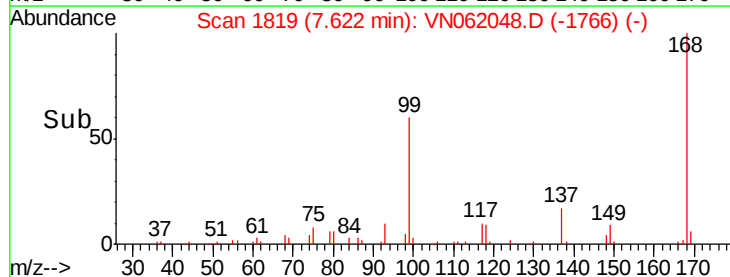
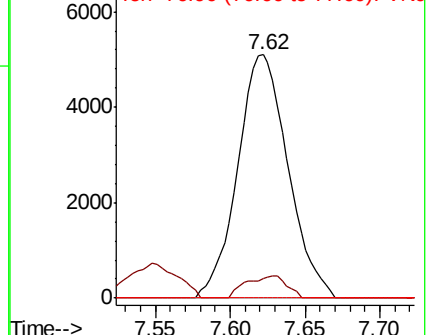
77 0.0 24.2 36.4#

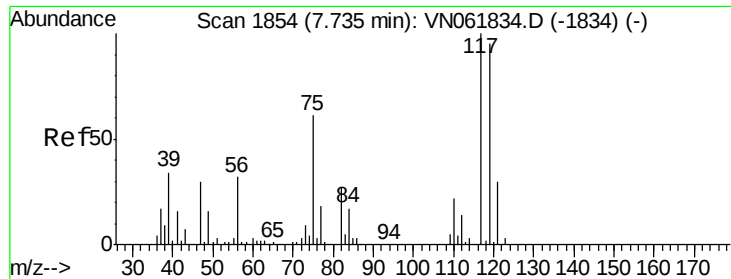


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

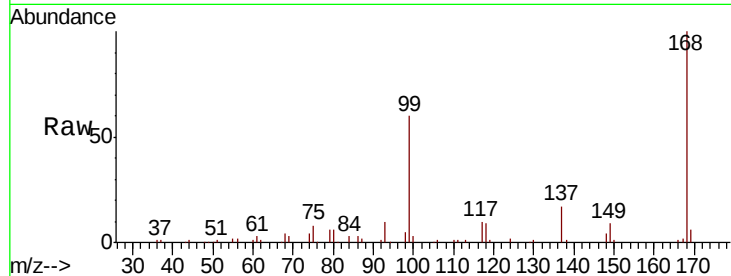




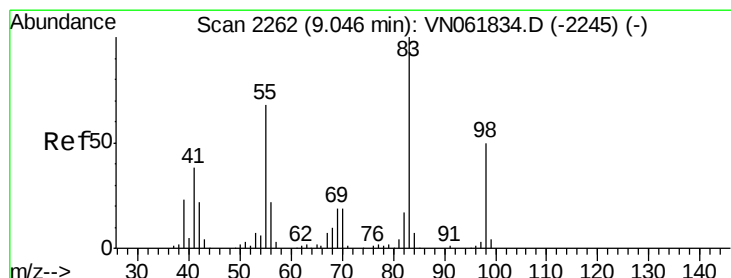
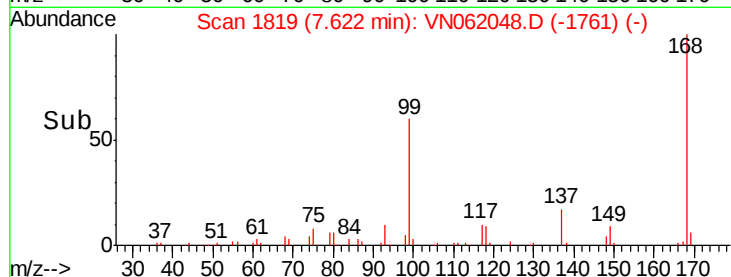
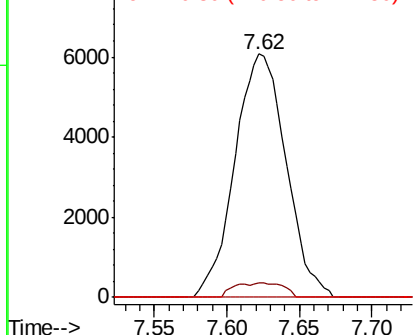
#38
Carbon Tetrachloride
Concen: 6.105 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.11 min
Lab File: VN062048.D
Acq: 23 Jun 2020 17:49

Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20200616DL

Tot Ion:117 Resp: 14926
Ion Ratio Lower Upper
117 100
119 6.2 75.8 113.6#
121 0.0 23.8 35.6#

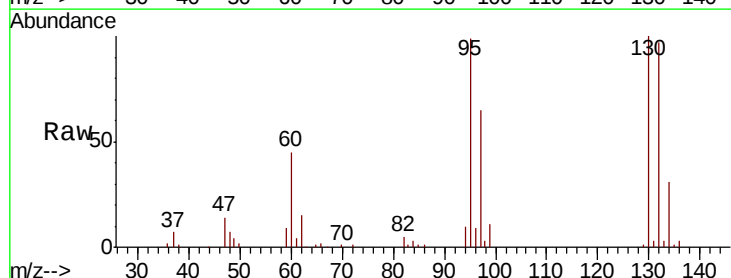


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

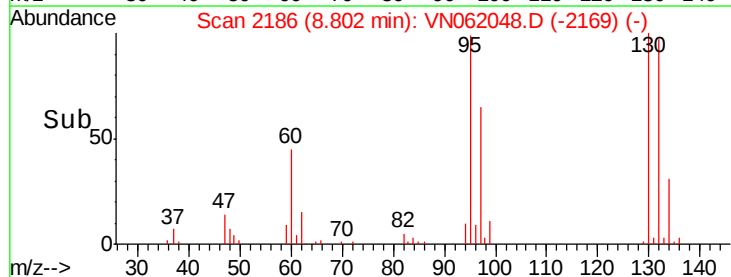
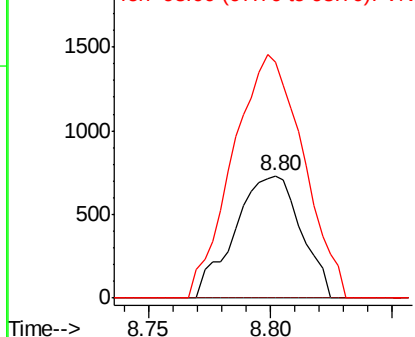


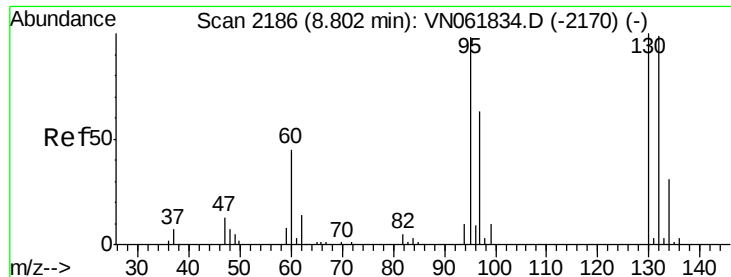
#39
Methylcyclohexane
Concen: 0.515 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.24 min
Lab File: VN062048.D
Acq: 23 Jun 2020 17:49

Tgt Ion: 83 Resp: 1369
Ion Ratio Lower Upper
83 100
55 0.0 54.2 81.4#
98 193.3 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: 59.534 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

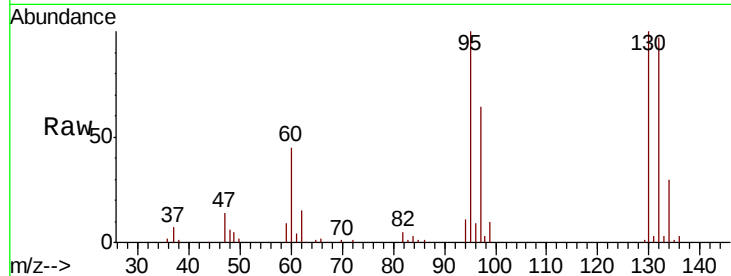
RE103D1-20200616DL

Tot Ion:130 Resp: 117175

Ion Ratio Lower Upper

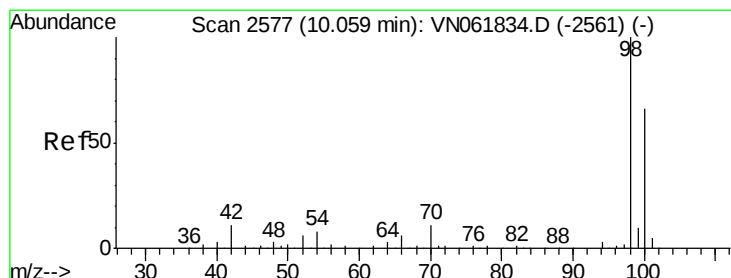
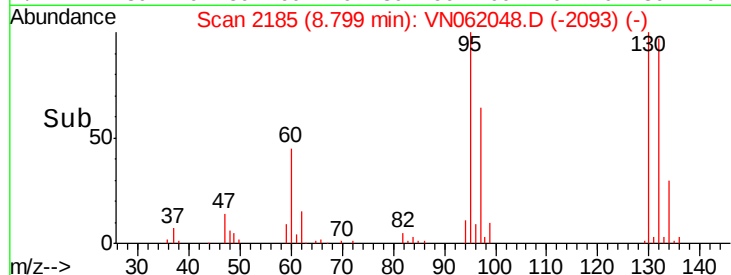
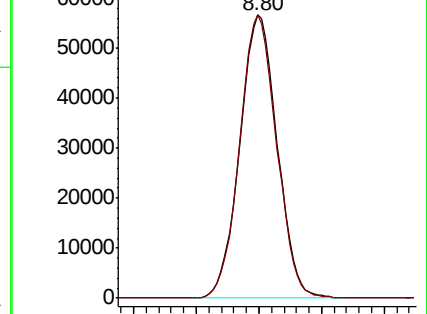
130 100

95 100.0 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: 50.553 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062048.D

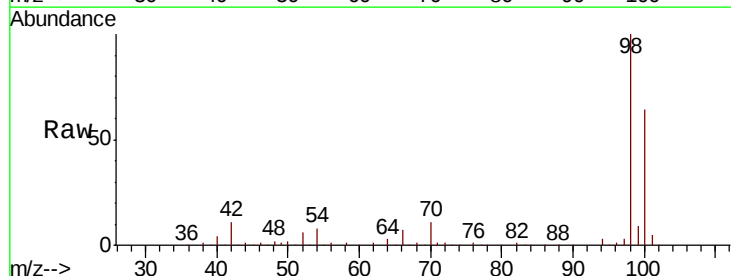
Acq: 23 Jun 2020 17:49

Tgt Ion: 98 Resp: 344156

Ion Ratio Lower Upper

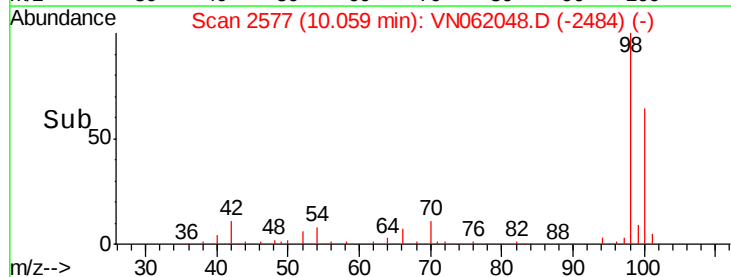
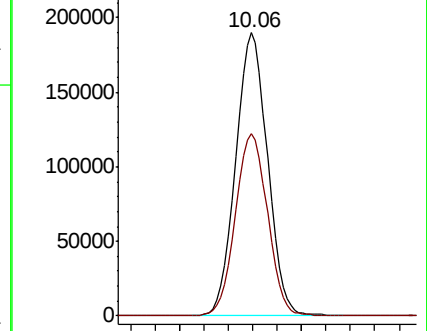
98 100

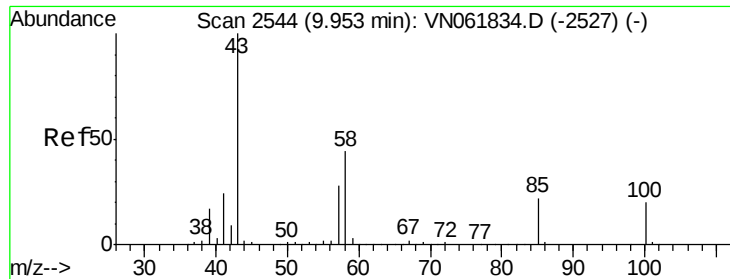
100 65.0 52.7 79.1



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: 0.790 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

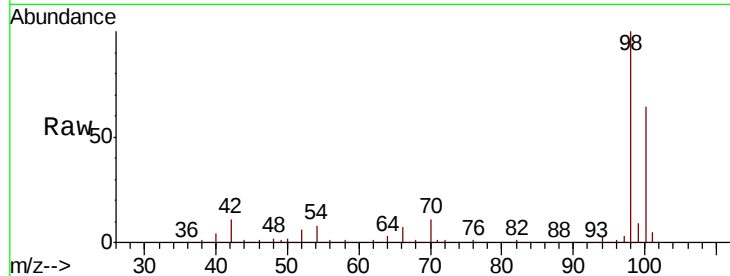
RE103D1-20200616DL

Tot Ion: 43 Resp: 1517

Ion Ratio Lower Upper

43 100

58 176.1 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

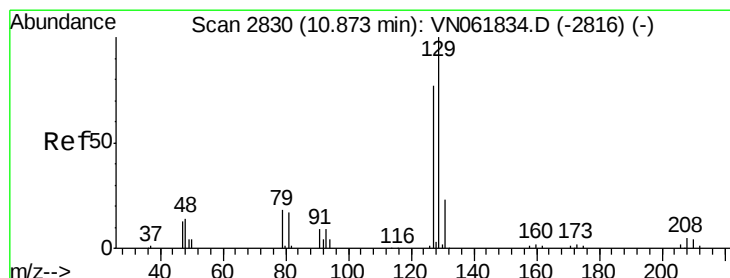
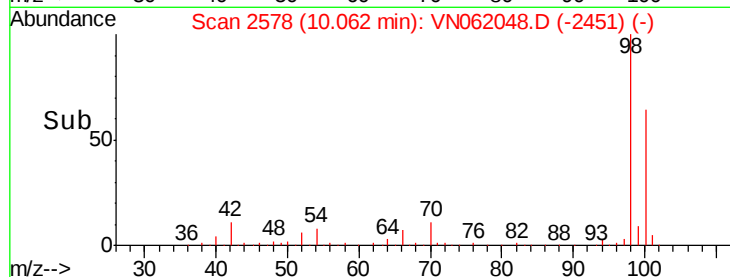
500

0

10.00 10.05 10.10

10.06

Time-->



#60

Dibromochloromethane

Concen: 0.442 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.27 min

Lab File: VN062048.D

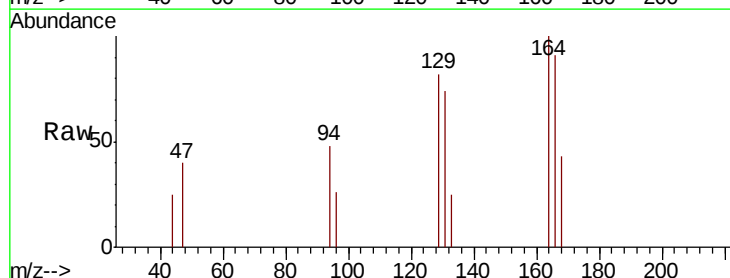
Acq: 23 Jun 2020 17:49

Tgt Ion: 129 Resp: 911

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) (-)

600

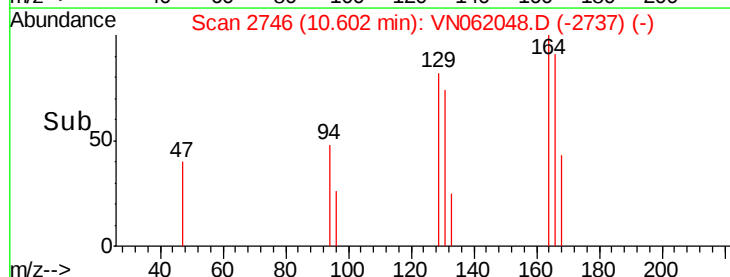
400

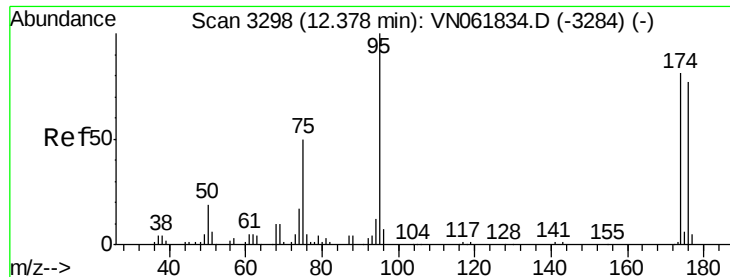
200

0

10.60

Time-->





#62

4-Bromofluorobenzene

Concen: 50.997 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200616DL

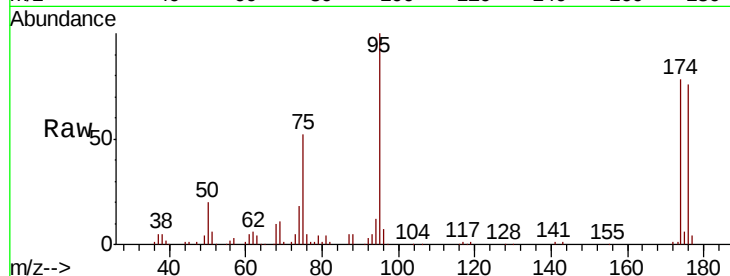
Tot Ion: 95 Resp: 119087

Ion Ratio Lower Upper

95 100

174 77.0 0.0 158.6

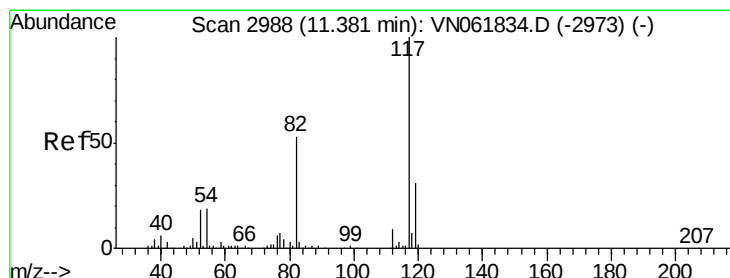
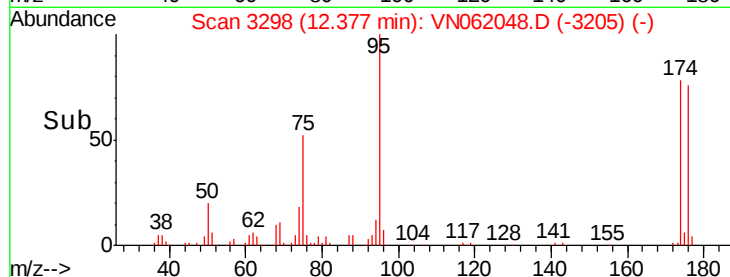
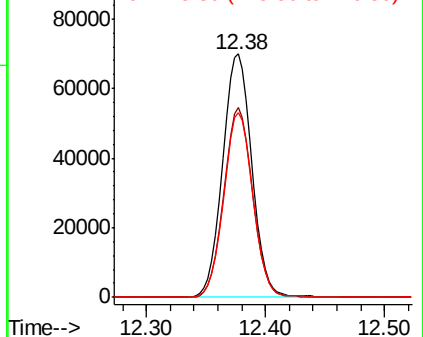
176 75.4 0.0 152.0



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: VN062048.D

Acq: 23 Jun 2020 17:49

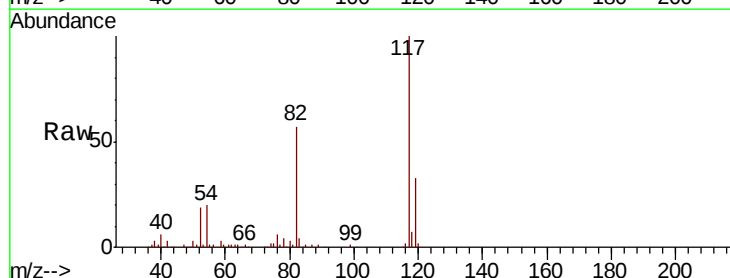
Tgt Ion: 117 Resp: 267216

Ion Ratio Lower Upper

117 100

82 56.8 42.6 64.0

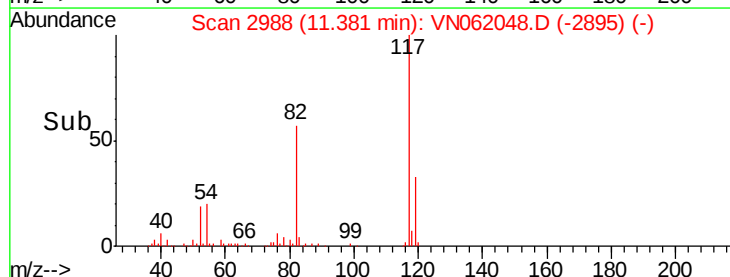
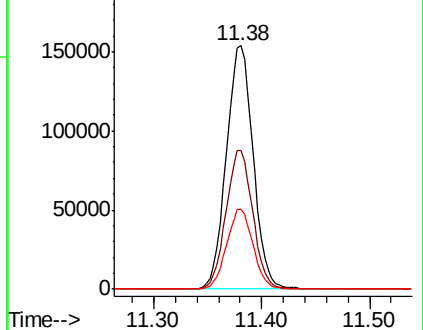
119 33.0 24.7 37.1

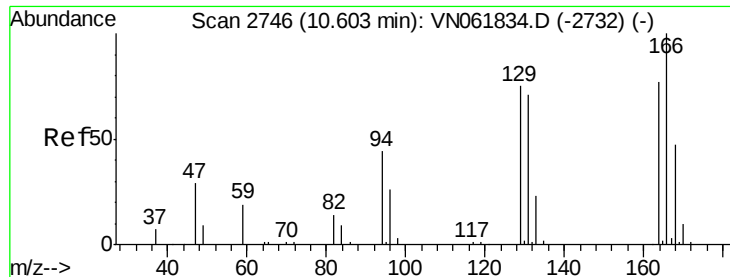


Abundance Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

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: 0.694 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

RE103D1-20200616DL

Tot Ion:164 Resp: 1182

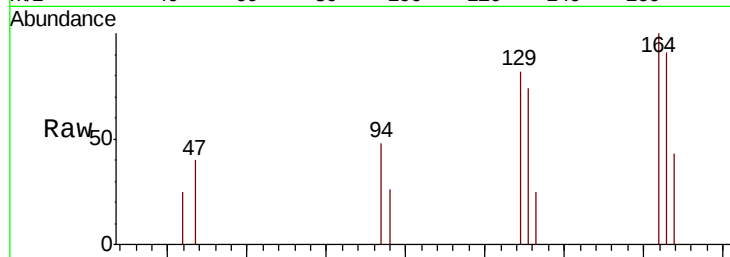
Ion Ratio Lower Upper

164 100

166 90.6 103.5 155.3#

129 82.0 77.5 116.3

131 74.4 73.8 110.8

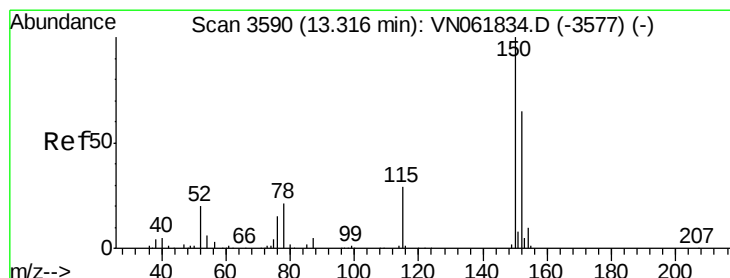
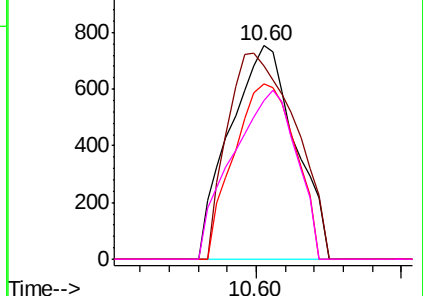
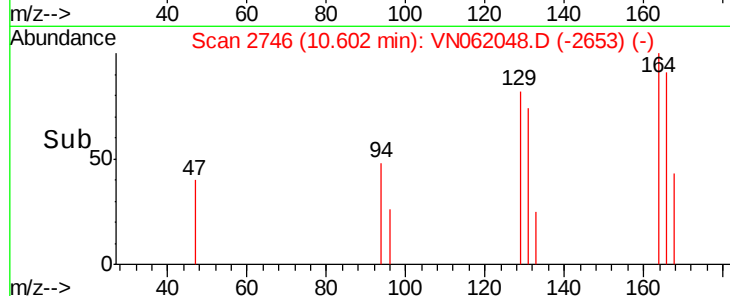


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VN062048.D

Acq: 23 Jun 2020 17:49

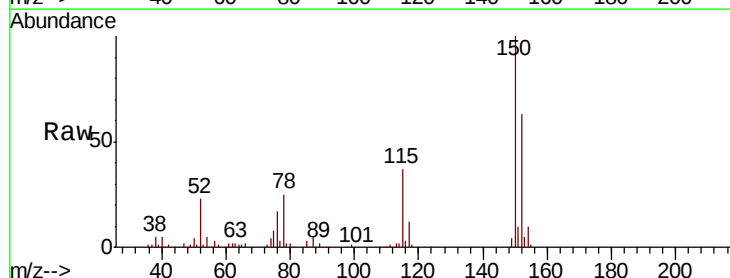
Tgt Ion:152 Resp: 104784

Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.3

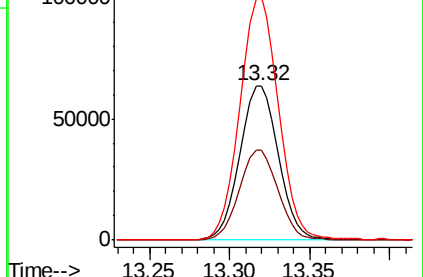
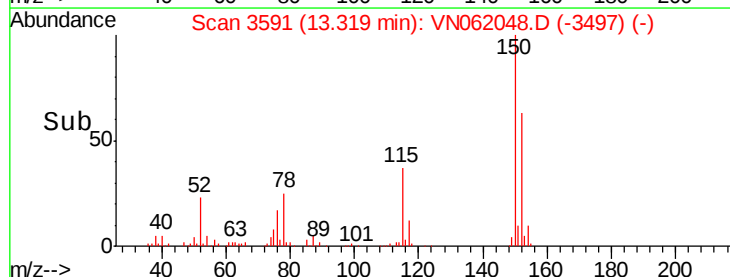
150 157.3 0.0 347.6

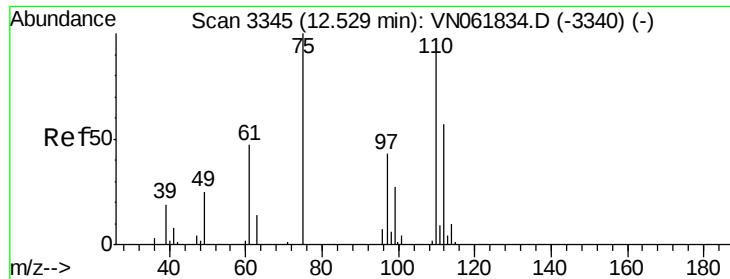


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.652 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

Instrument :

MSVOA_N

ClientSampleId :

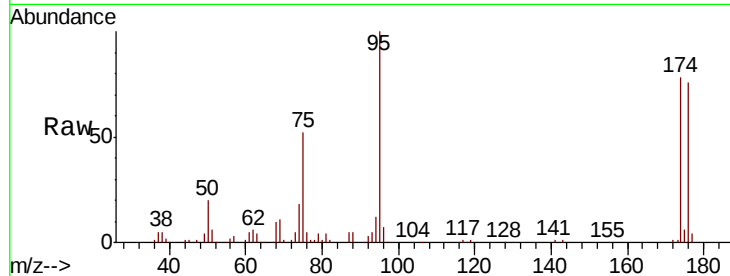
RE103D1-20200616DL

Tot Ion: 75 Resp: 60999

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061834.D (-3340) (-)

12.38

40000

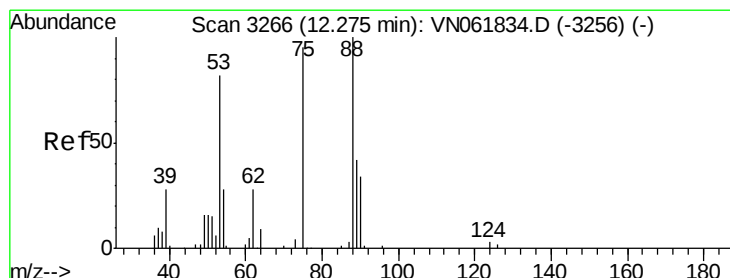
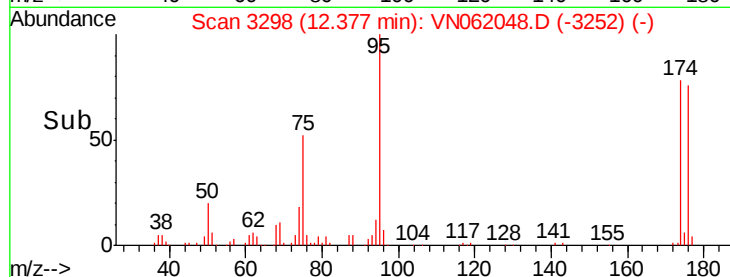
30000

20000

10000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 80.873 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062048.D

Acq: 23 Jun 2020 17:49

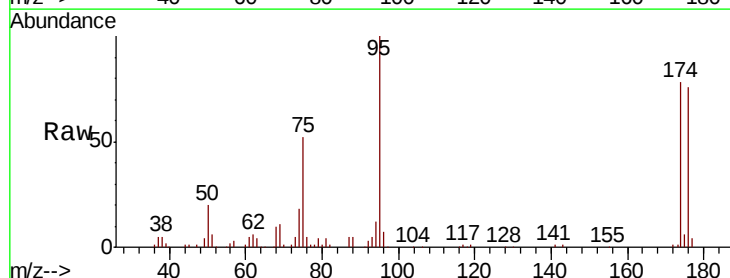
Tgt Ion: 75 Resp: 60999

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) (-)

12.38

50000

40000

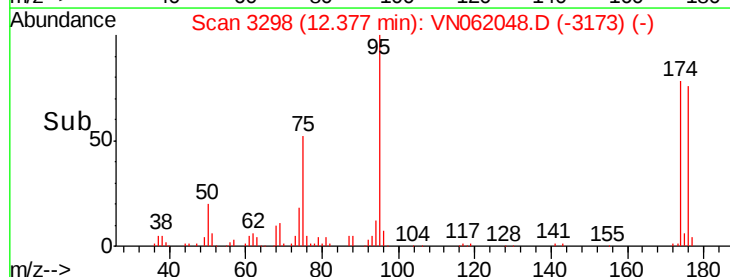
30000

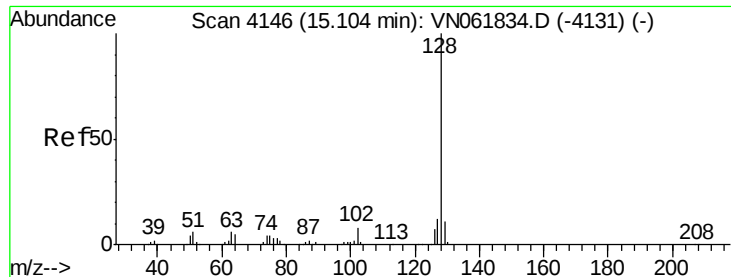
20000

10000

0

Time--> 12.30 12.35 12.40 12.45





#95
Naphthalene
Concen: 3.522 ug/l
RT: 15.12 min Scan# 4150
Delta R.T. 0.01 min
Lab File: VN062048.D
Acq: 23 Jun 2020 17:49

Instrument :
MSVOA_N
ClientSampleId :
RE103D1-20200616DL

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

