

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001107.D
 Acq On : 27 Dec 2019 18:40
 Operator : SY/MD
 Sample : K6439-07RE
 Misc : 4.72G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF004-01

Quant Time: Dec 28 04:05:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	159129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	291367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	269875	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	124319	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	87032	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
35) Dibromofluoromethane	7.73	113	84676	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
50) Toluene-d8	10.18	98	343843	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.48	95	114070	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	

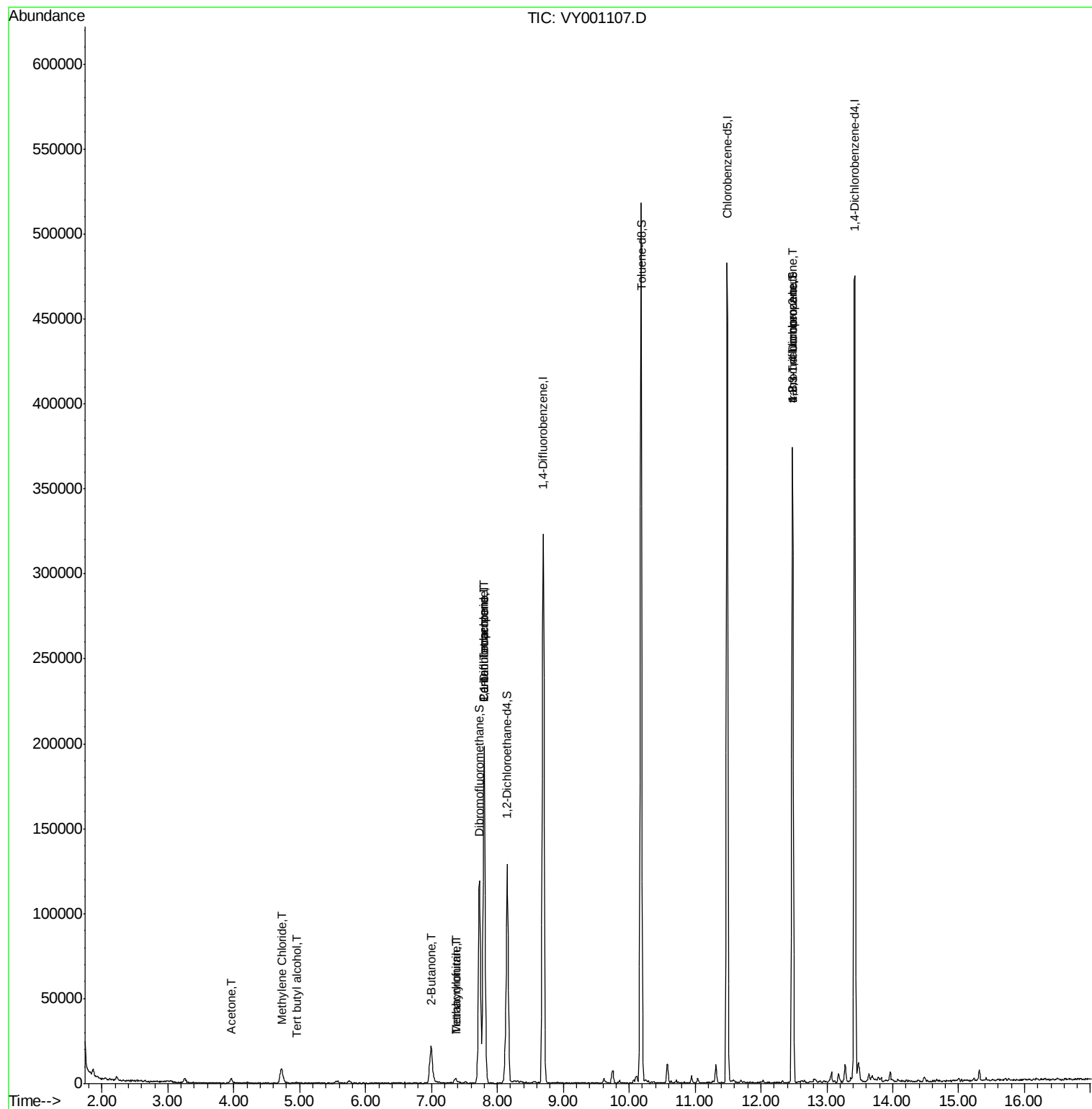
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	697	4.039	ug/l #	74
16) Acetone	3.96	43	4154	11.489	ug/l	93
20) Methylene Chloride	4.73	84	6541	3.074	ug/l #	76
25) 2-Butanone	7.00	43	1679	2.643	ug/l #	86
29) Tetrahydrofuran	7.37	42	2069	4.579	ug/l #	86
36) 1,1-Dichloropropene	7.80	75	11692	4.206	ug/l #	50
38) Carbon Tetrachloride	7.80	117	14598	5.994	ug/l #	20
41) Methacrylonitrile	7.37	41	870	1.304	ug/l #	100
76) 1,2,3-Trichloropropane	12.48	75	55252	36.051	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	55252	76.889	ug/l #	19

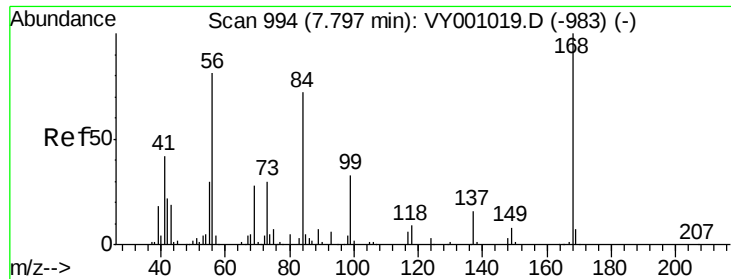
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

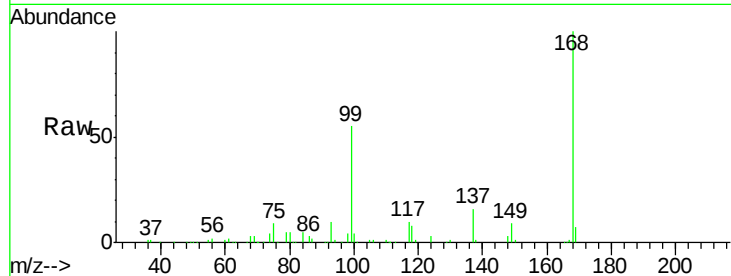
LIED-BF004-01

Tgt Ion:168 Resp: 159129

Ion Ratio Lower Upper

168 100

99 54.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001107.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001107.D (-945) (-)

7.80

60000

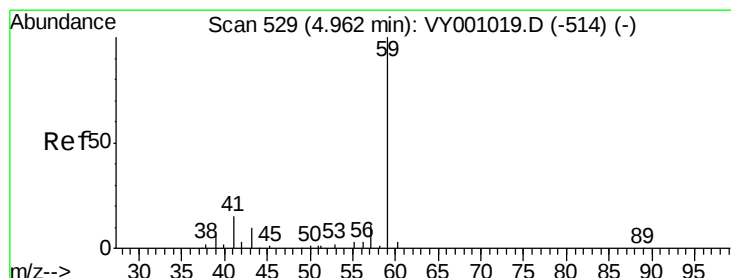
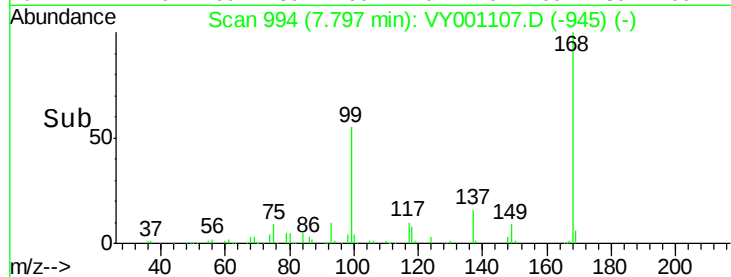
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 4.039 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY001107.D

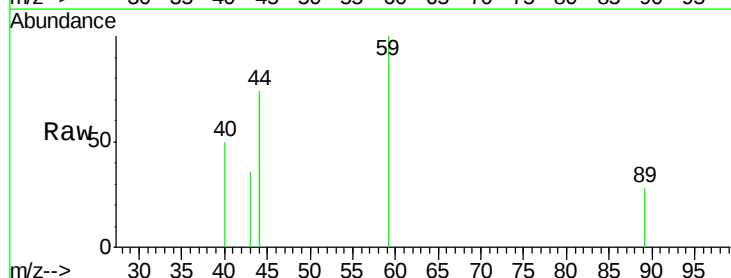
Acq: 27 Dec 2019 18:40

Tgt Ion: 59 Resp: 697

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001107.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY001107.D (-480) (-)

4.95

300

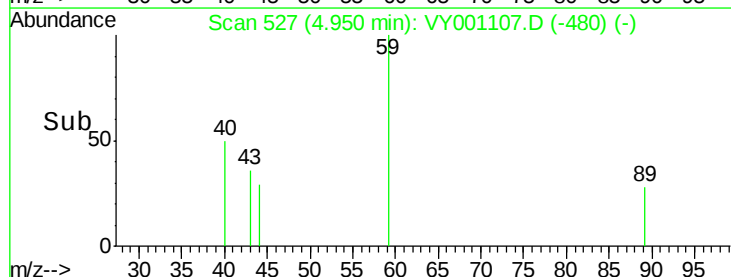
200

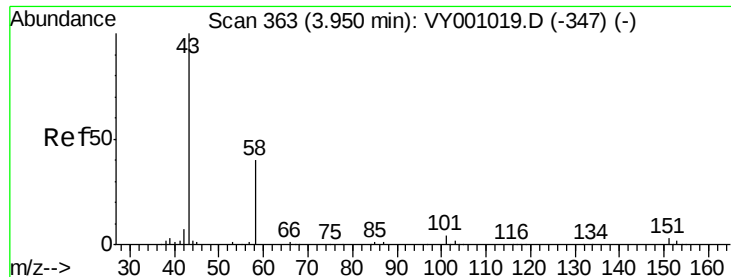
100

0

4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 11.489 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

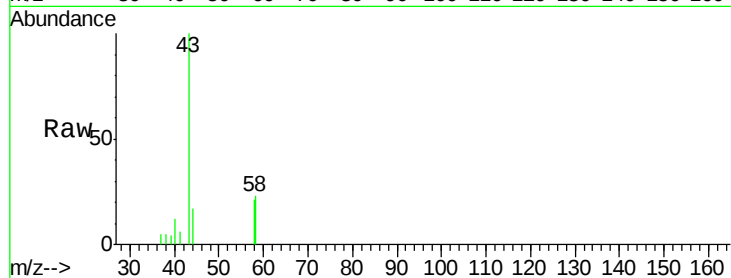
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Tgt Ion: 43 Resp: 4154

Ion Ratio Lower Upper

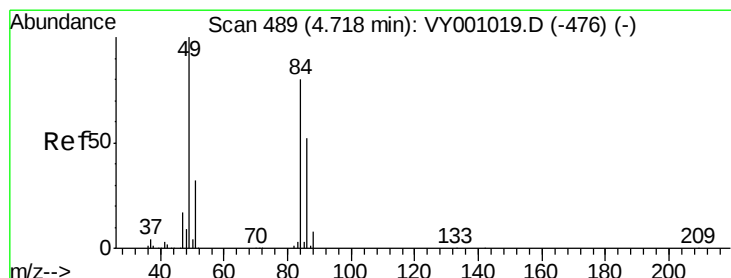
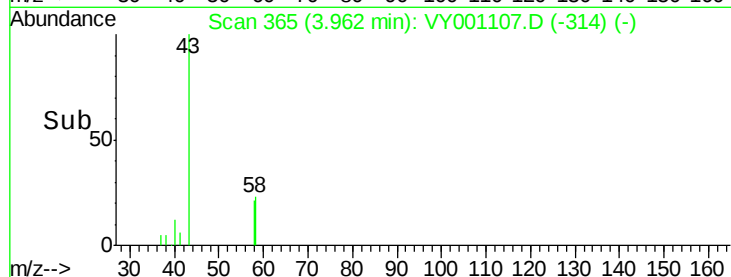
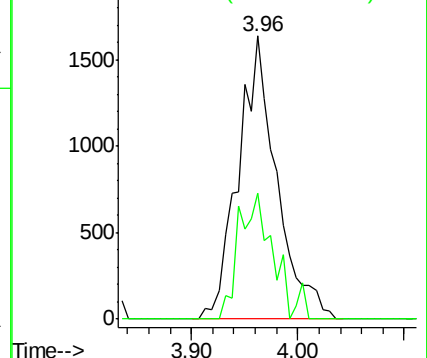
43 100

58 44.5 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY001107.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY001107.D (-314) (-)



#20

Methylene Chloride

Concen: 3.074 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Tgt Ion: 84 Resp: 6541

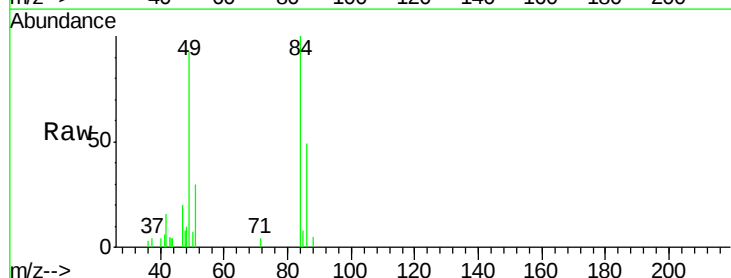
Ion Ratio Lower Upper

84 100

49 92.9 99.8 149.6#

51 29.9 31.4 47.2#

86 49.1 52.2 78.2#

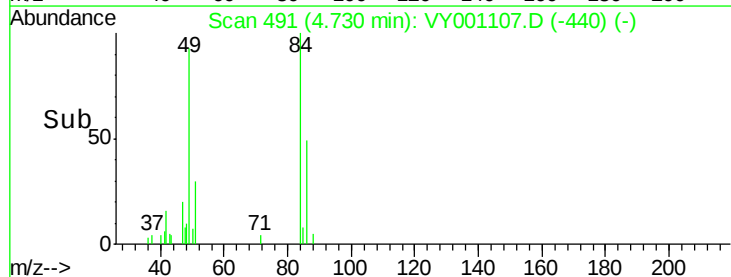
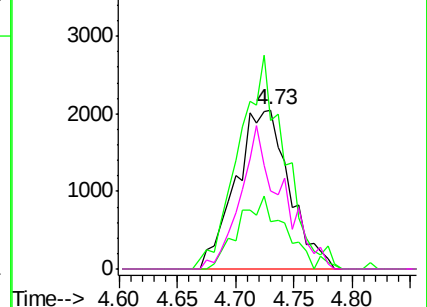


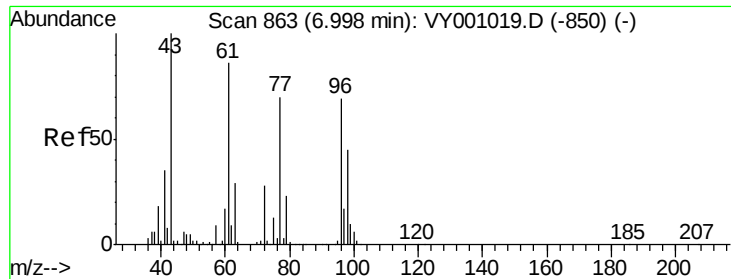
Abundance Ion 83.90 (83.60 to 84.60): VY001107.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY001107.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY001107.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY001107.D (-440) (-)





#25

2-Butanone

Concen: 2.643 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

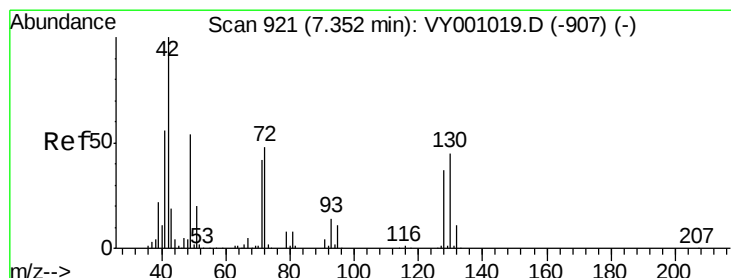
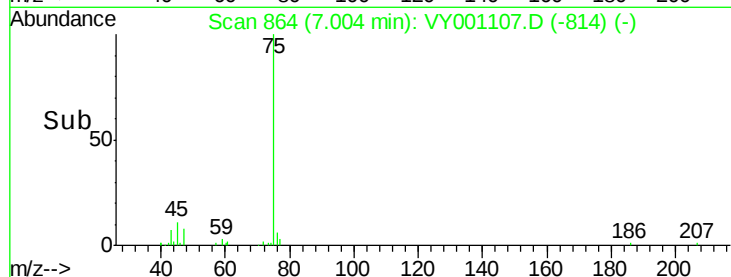
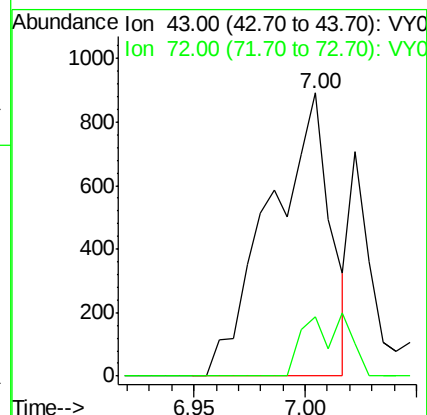
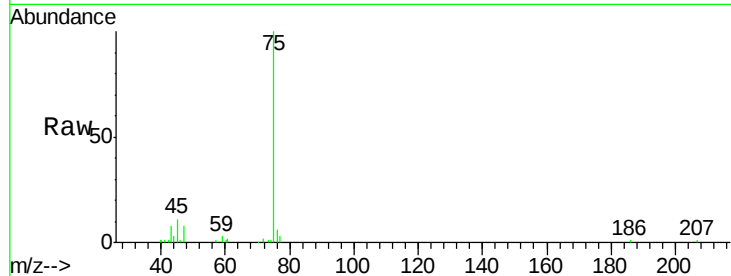
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Tgt Ion: 43 Resp: 1679

Ion Ratio Lower Upper

43 100

72 20.9 22.4 33.6#



#29

Tetrahydrofuran

Concen: 4.579 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.02 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

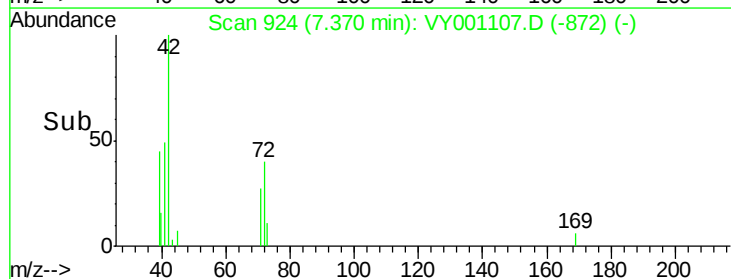
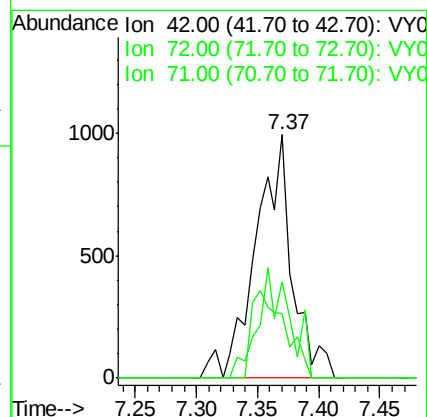
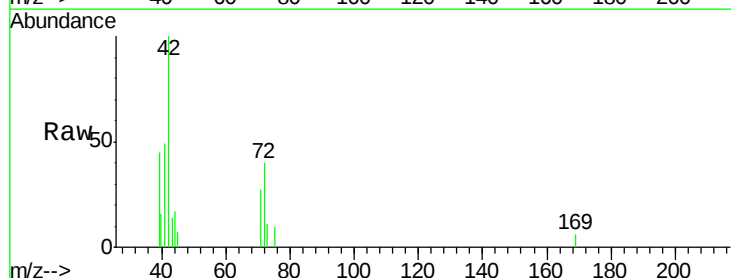
Tgt Ion: 42 Resp: 2069

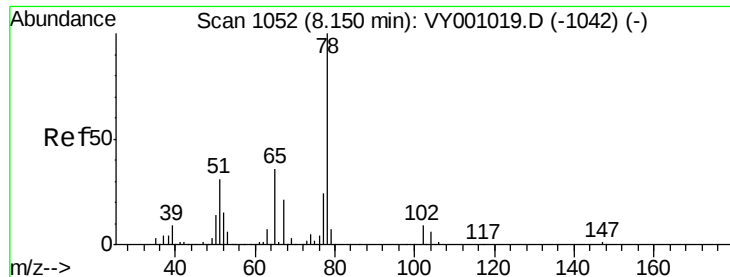
Ion Ratio Lower Upper

42 100

72 39.6 37.7 56.5

71 32.9 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 55.454 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

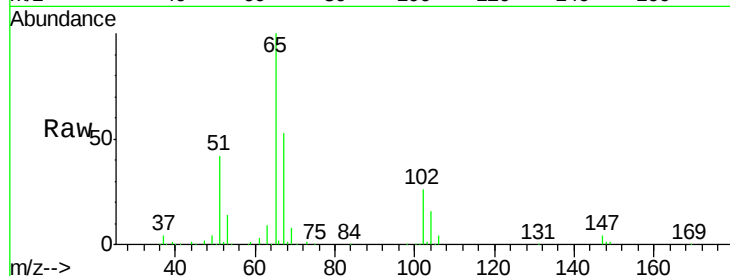
LIED-BF004-01

Tgt Ion: 65 Resp: 87032

Ion Ratio Lower Upper

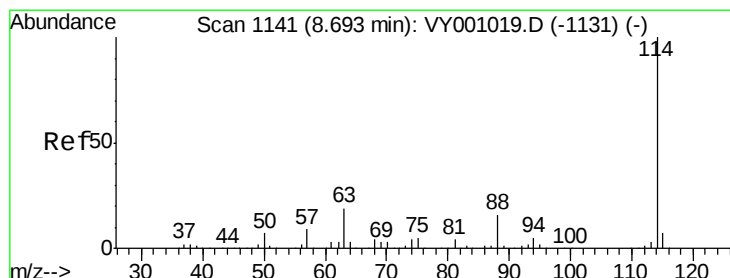
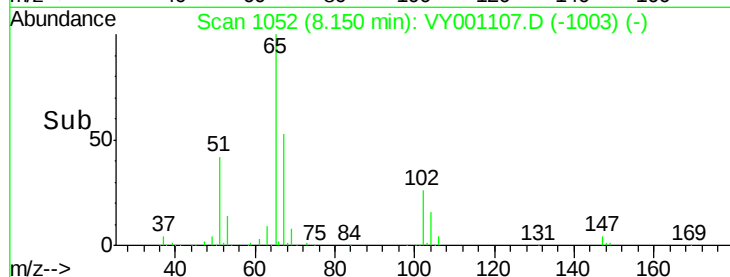
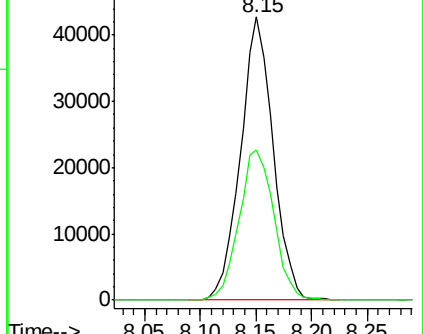
65 100

67 56.6 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY001107.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY001107.D (-1003) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

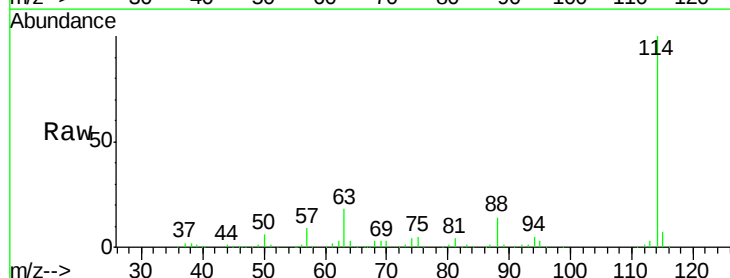
Tgt Ion: 114 Resp: 291367

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

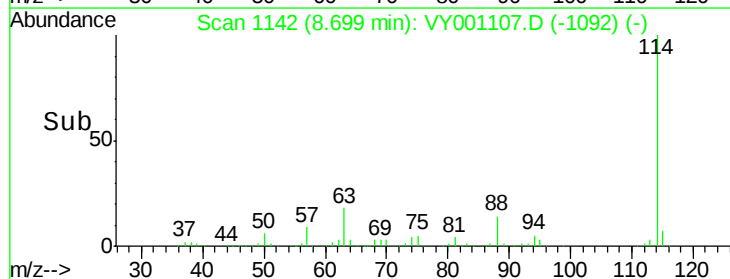
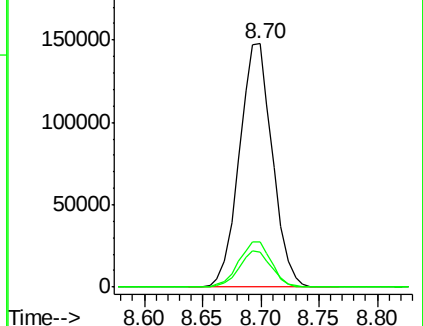
88 14.4 0.0 32.0

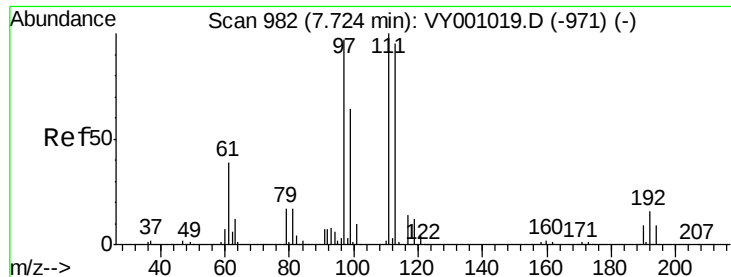


Abundance Ion 113.90 (113.60 to 114.60): VY001107.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY001107.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY001107.D (-1092) (-)

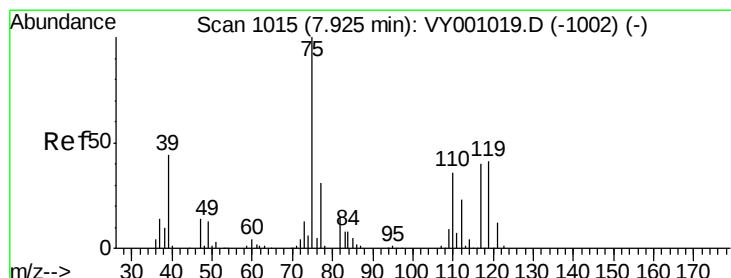
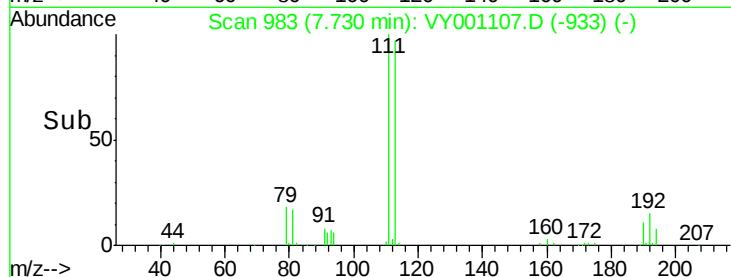
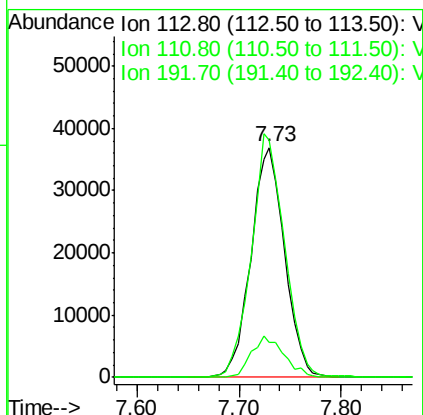
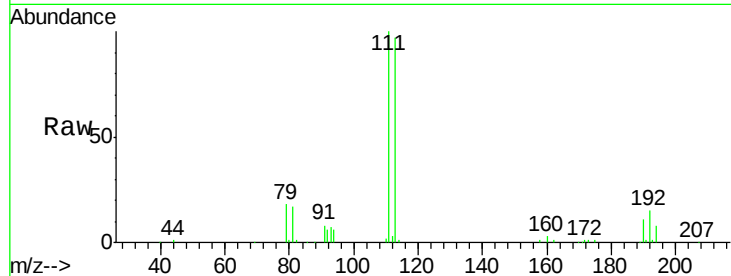




#35
 Dibromofluoromethane
 Concen: 49.353 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001107.D
 Acq: 27 Dec 2019 18:40

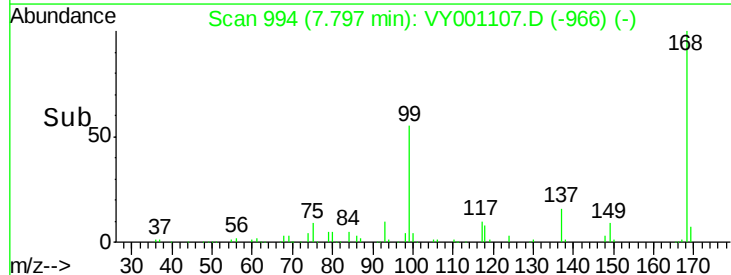
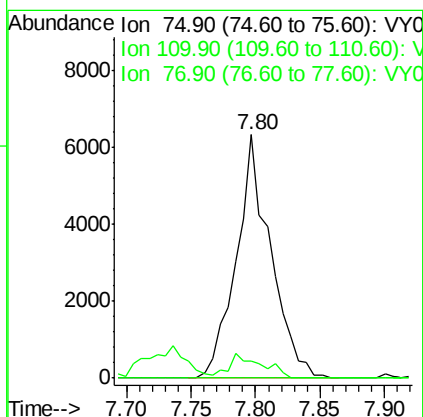
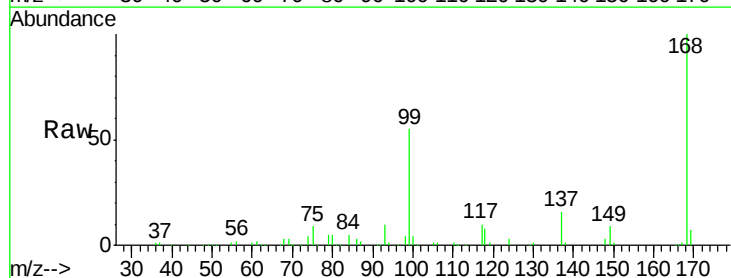
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF004-01

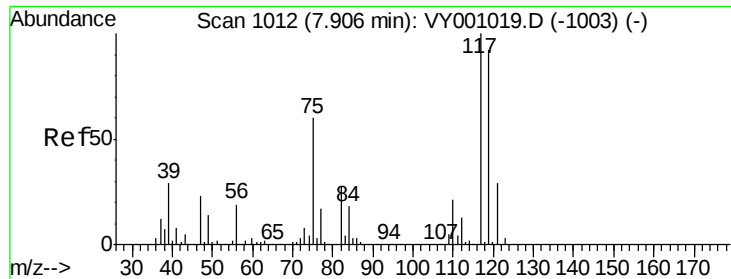
Tgt Ion:113 Resp: 84676
 Ion Ratio Lower Upper
 113 100
 111 104.9 83.0 124.4
 192 17.6 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.206 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001107.D
 Acq: 27 Dec 2019 18:40

Tgt Ion: 75 Resp: 11692
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.1 54.4#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.994 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF004-01

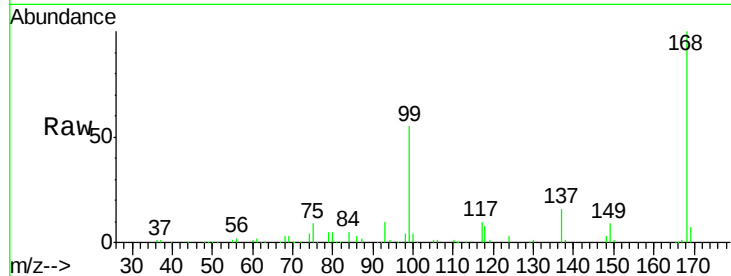
Tgt Ion:117 Resp: 14598

Ion Ratio Lower Upper

117 100

119 8.2 74.2 111.2#

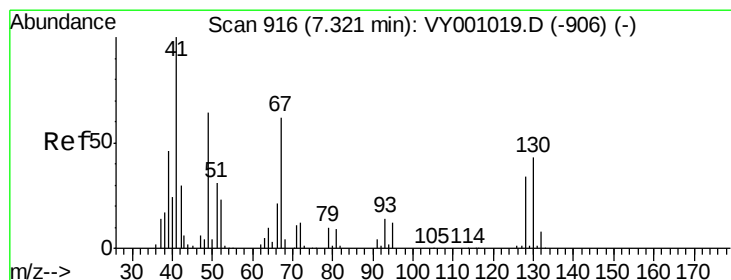
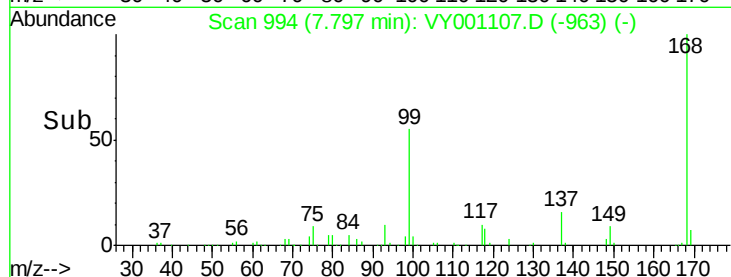
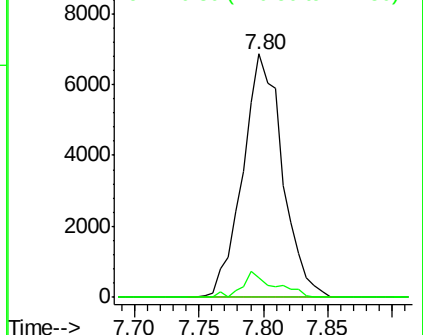
121 0.0 22.9 34.3#



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



#41

Methacrylonitrile

Concen: 1.304 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.05 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Tgt Ion: 41 Resp: 870

Ion Ratio Lower Upper

41 100

39 59.9 0.0 0.0#

67 0.0 0.0 0.0

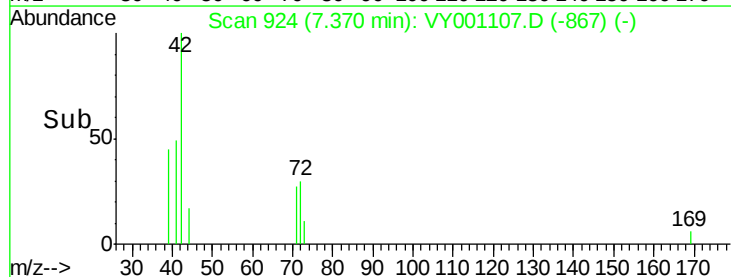
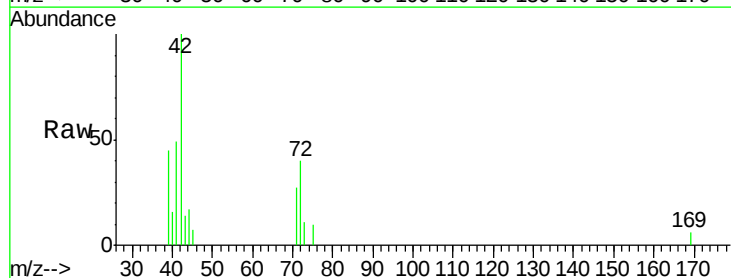
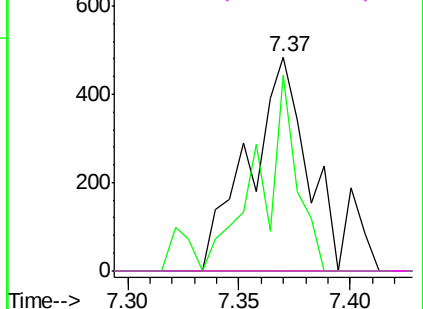
52 0.0 0.0 0.0

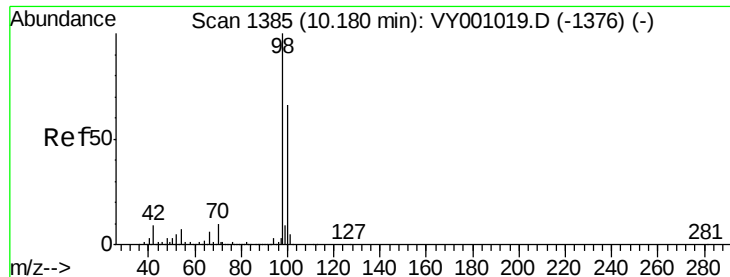
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0





#50

Toluene-d8

Concen: 51.281 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

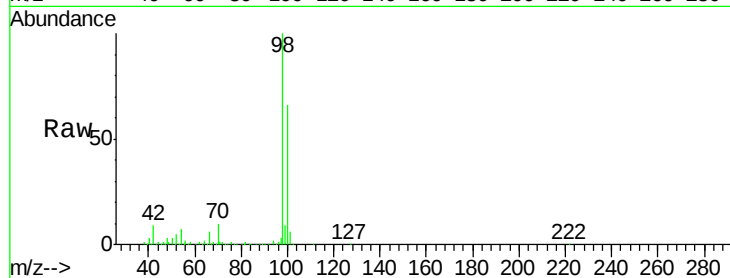
LIED-BF004-01

Tgt Ion: 98 Resp: 343843

Ion Ratio Lower Upper

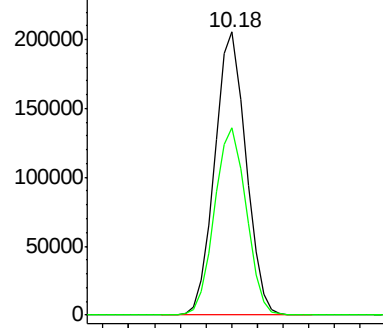
98 100

100 67.1 53.0 79.4

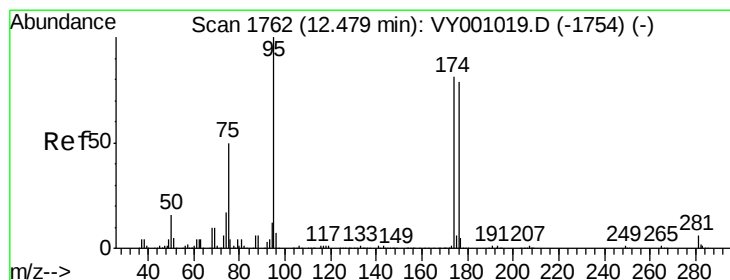
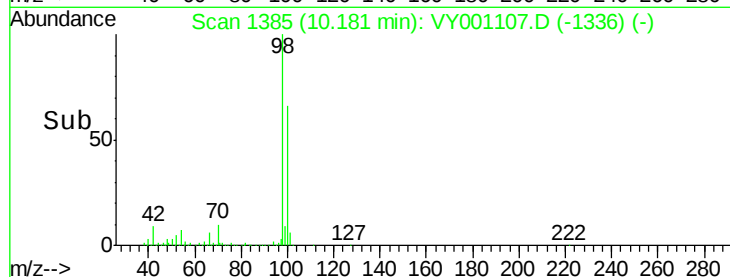


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



Time-->



#62

4-Bromofluorobenzene

Concen: 46.531 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

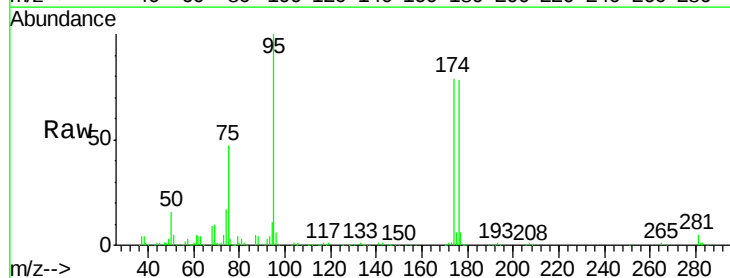
Tgt Ion: 95 Resp: 114070

Ion Ratio Lower Upper

95 100

174 81.8 0.0 156.4

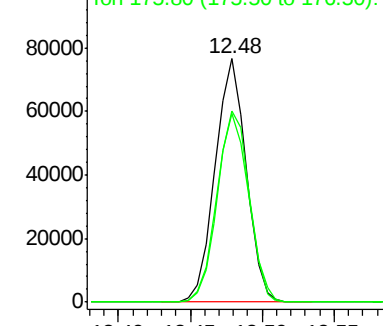
176 78.1 0.0 155.0



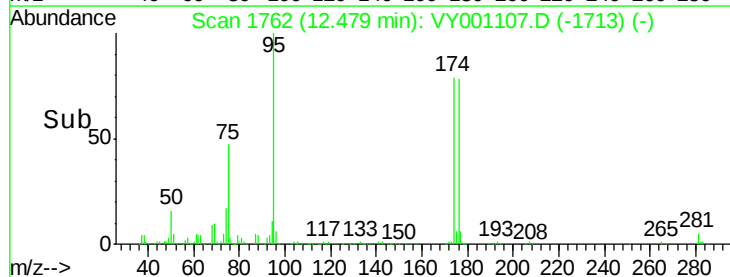
Abundance Ion 94.90 (94.60 to 95.60): VY0

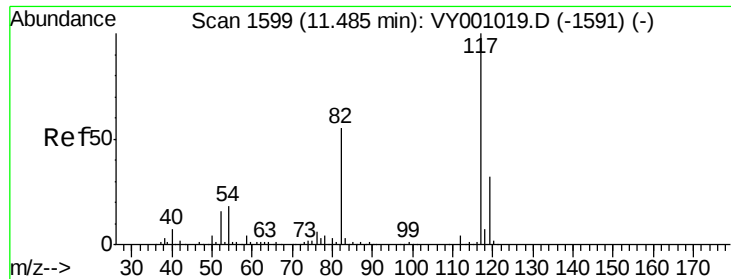
Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF004-01

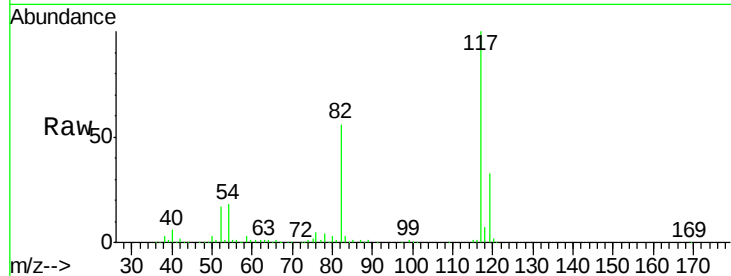
Tgt Ion:117 Resp: 269875

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

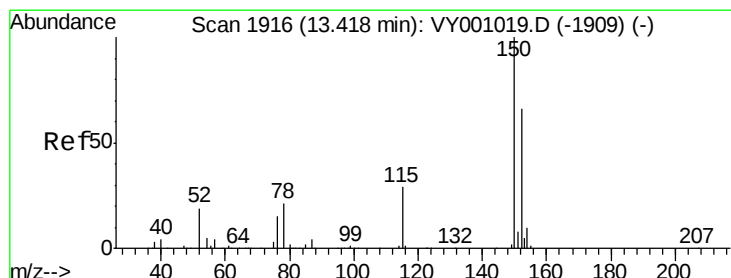
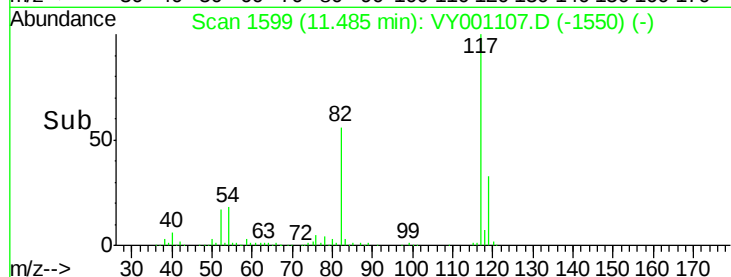
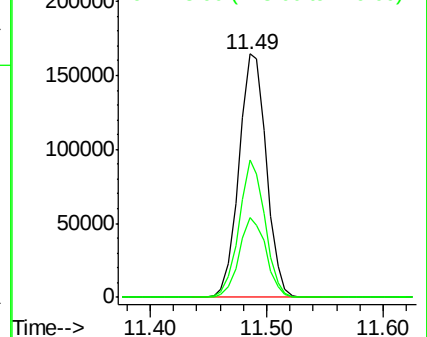
119 32.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

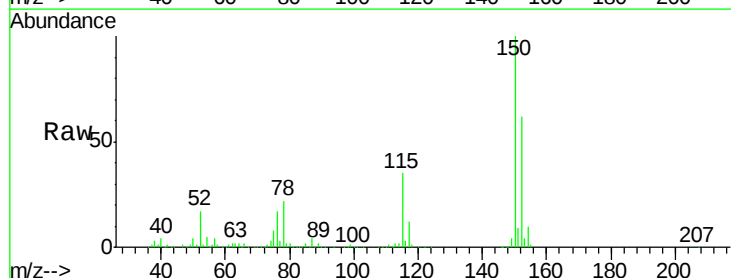
Tgt Ion:152 Resp: 124319

Ion Ratio Lower Upper

152 100

115 57.9 29.8 89.3

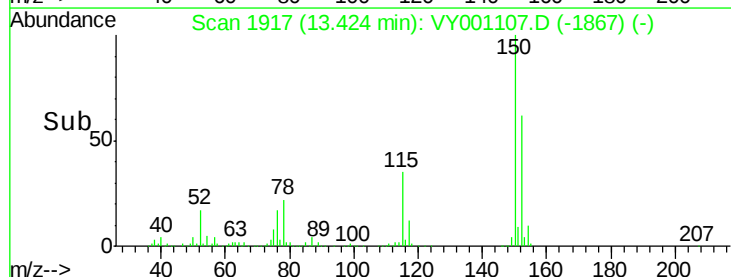
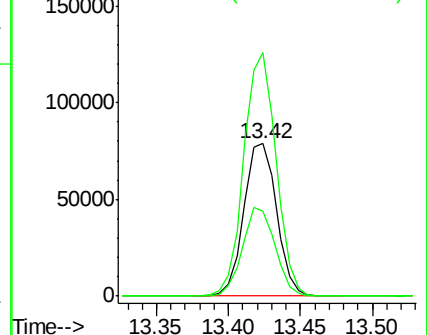
150 156.9 0.0 352.6

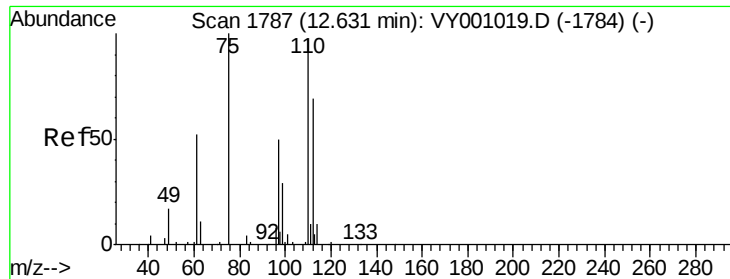


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.051 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Instrument :

MSVOA_Y

ClientSampleId :

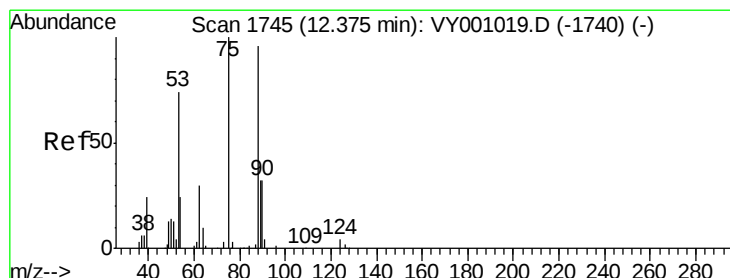
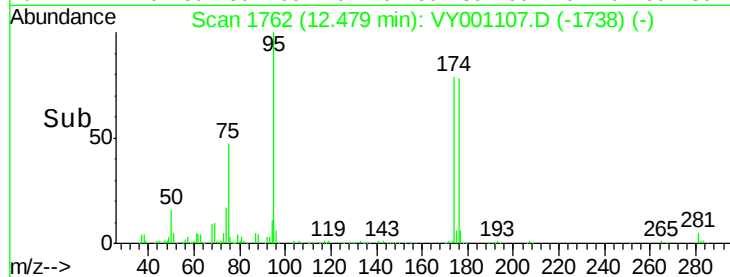
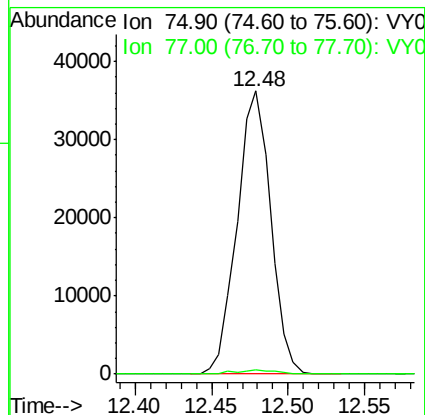
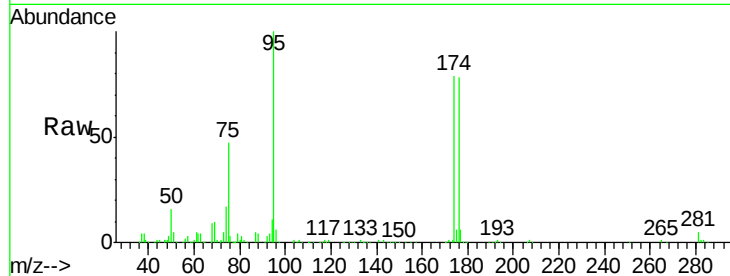
LIED-BF004-01

Tgt Ion: 75 Resp: 55252

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.889 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001107.D

Acq: 27 Dec 2019 18:40

Tgt Ion: 75 Resp: 55252

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.1 35.4 53.0#

