

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001092.D
 Acq On : 27 Dec 2019 13:08
 Operator : SY/MD
 Sample : K6439-14
 Misc : 4.64G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF011-01

Quant Time: Dec 28 04:01:49 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	254756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	481974	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	430671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	186601	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	126997	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.73	113	137027	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
50) Toluene-d8	10.18	98	559903	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.48	95	178152	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

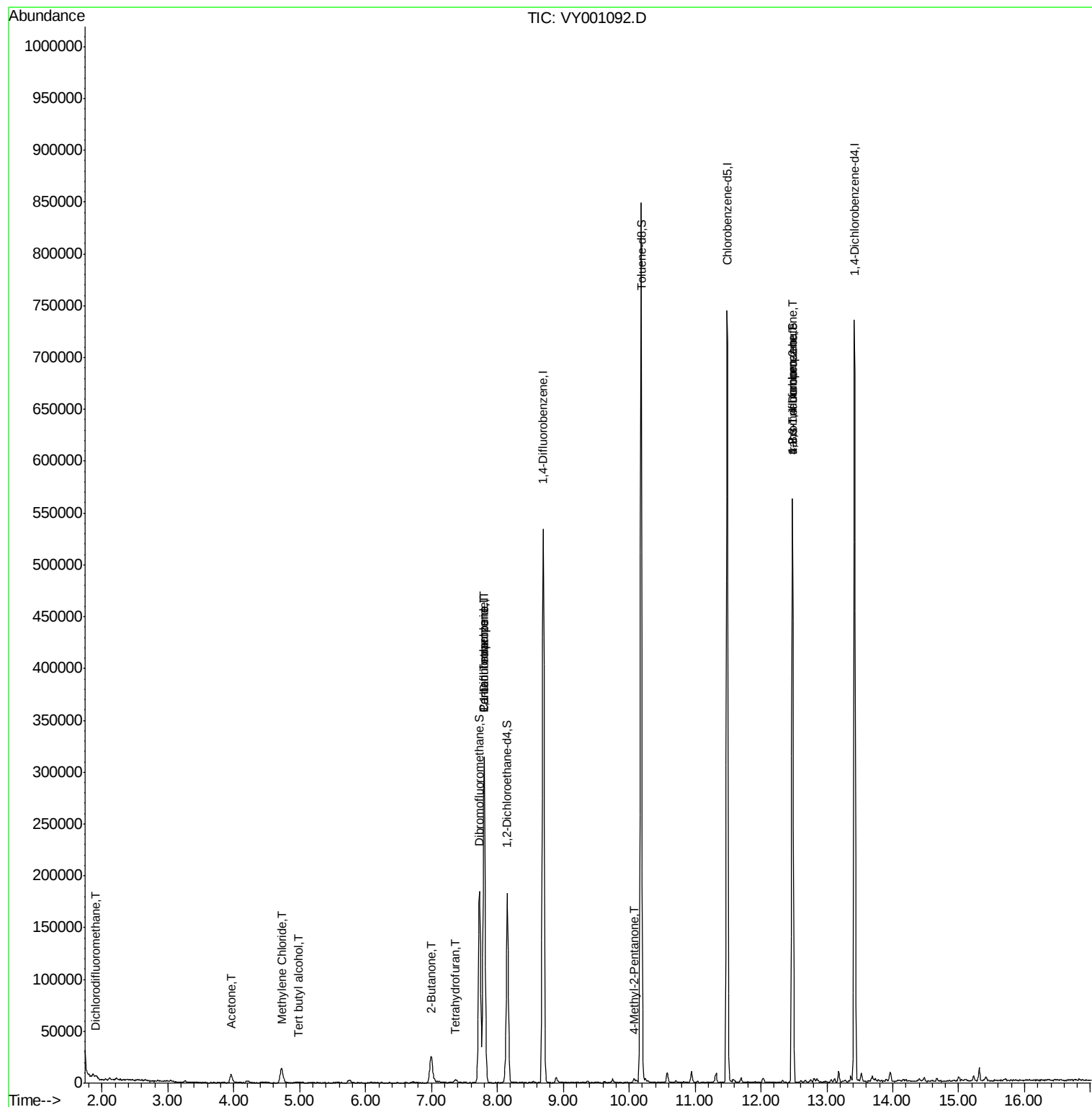
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	2480	1.117	ug/l #	71
11) Tert butyl alcohol	4.98	59	480	1.737	ug/l #	74
16) Acetone	3.96	43	13401	23.152	ug/l	90
20) Methylene Chloride	4.72	84	11070	3.249	ug/l	92
25) 2-Butanone	7.00	43	3598	3.538	ug/l #	85
29) Tetrahydrofuran	7.37	42	2501	3.458	ug/l #	89
36) 1,1-Dichloropropene	7.80	75	19542	4.250	ug/l #	49
38) Carbon Tetrachloride	7.80	117	23450	5.821	ug/l #	18
51) 4-Methyl-2-Pentanone	10.07	43	2817	1.147	ug/l #	81
76) 1,2,3-Trichloropropane	12.48	75	87563	38.064	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87563	81.182	ug/l #	19

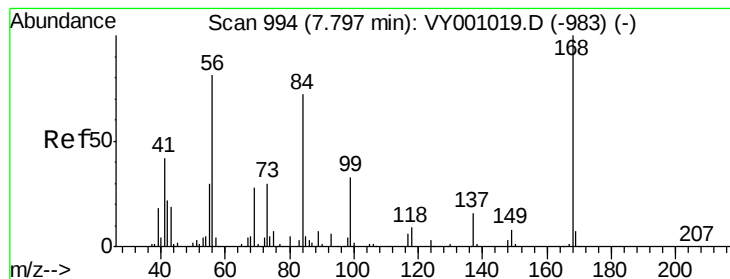
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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# 995

Delta R.T. 0.01 min

Lab File: VY001092.D

Acq: 27 Dec 2019 13:08

Instrument :

MSVOA_Y

ClientSampleId :

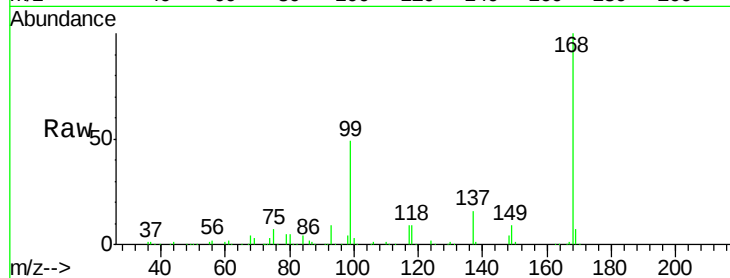
LIED-BF011-01

Tgt Ion:168 Resp: 254756

Ion Ratio Lower Upper

168 100

99 49.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

120000

100000

80000

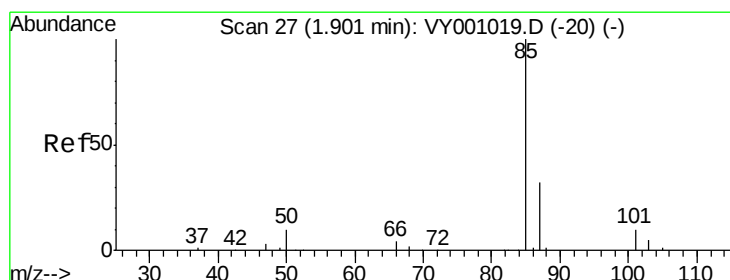
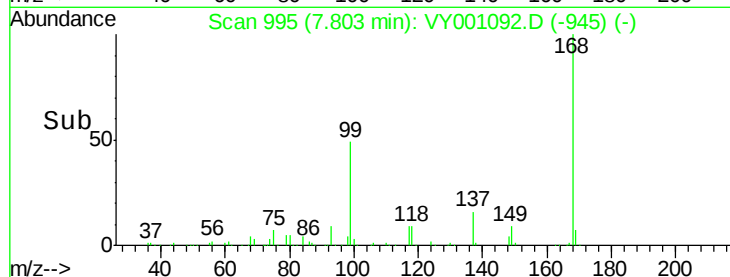
60000

40000

20000

0

Time--> 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 1.117 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001092.D

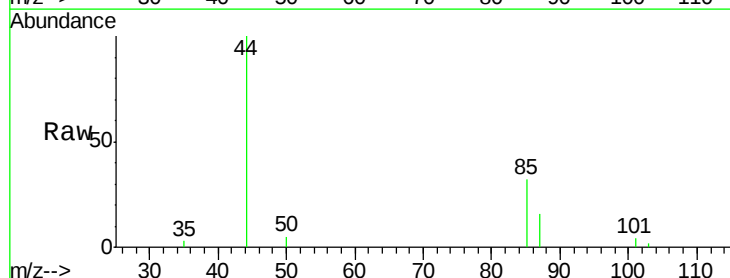
Acq: 27 Dec 2019 13:08

Tgt Ion: 85 Resp: 2480

Ion Ratio Lower Upper

85 100

87 48.1 15.9 47.7#



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.90

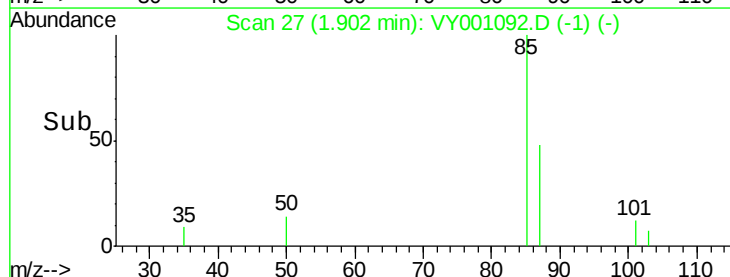
1500

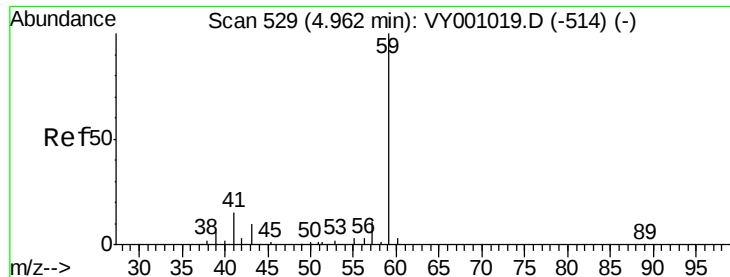
1000

500

0

Time--> 1.85 1.90 1.95



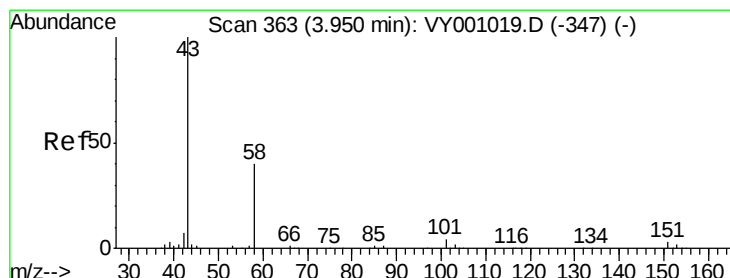
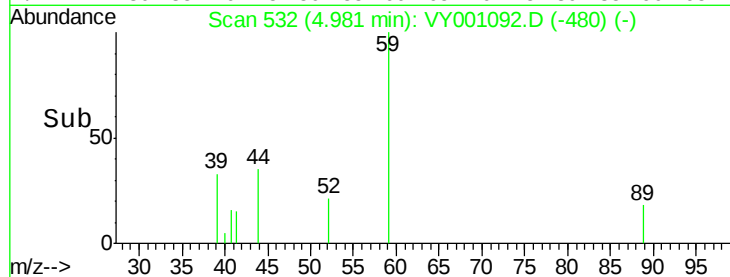
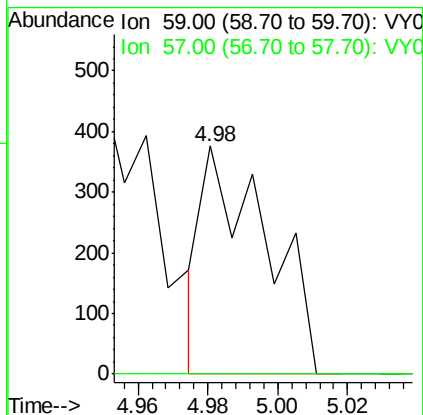
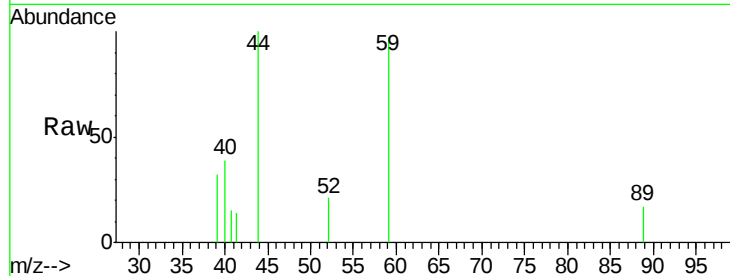


#11

Tert butyl alcohol
 Concen: 1.737 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VY001092.D
 Acq: 27 Dec 2019 13:08

Instrument :
 MSVOA_Y
 ClientSampled :
 LIED-BF011-01

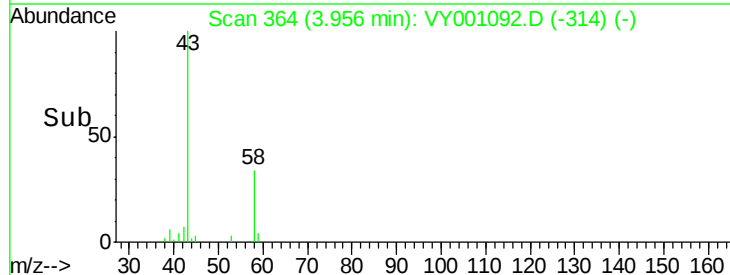
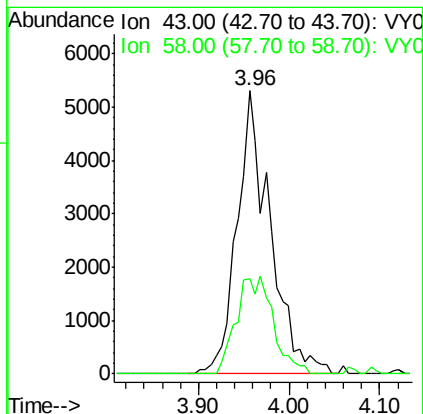
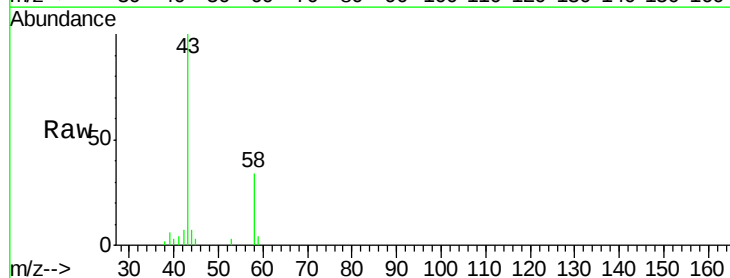
Tgt Ion: 59 Resp: 480
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

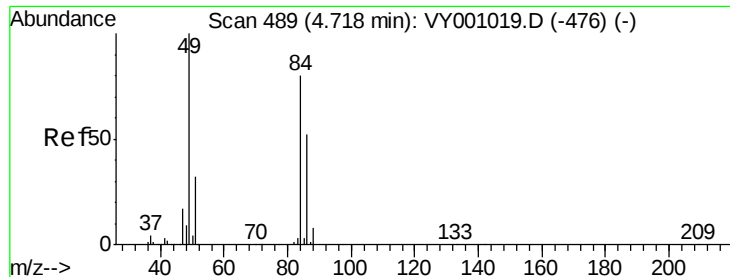


#16

Acetone
 Concen: 23.152 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY001092.D
 Acq: 27 Dec 2019 13:08

Tgt Ion: 43 Resp: 13401
 Ion Ratio Lower Upper
 43 100
 58 33.7 32.1 48.1

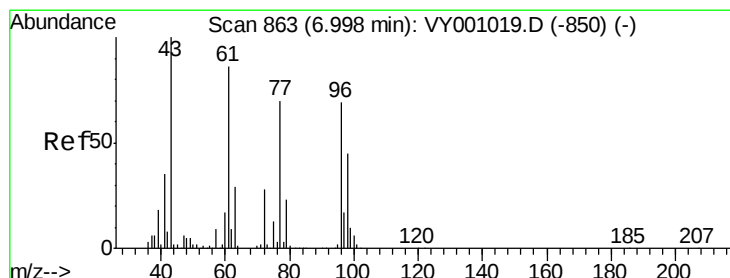
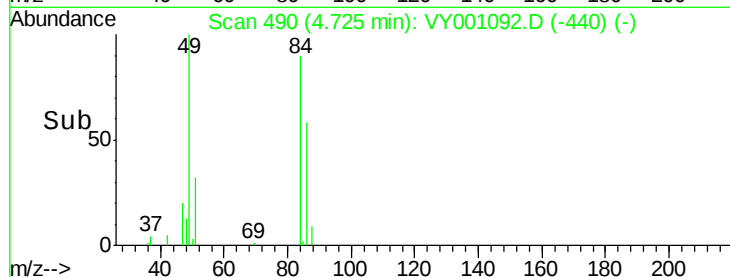
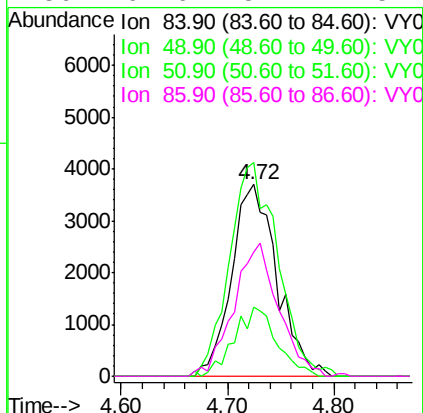
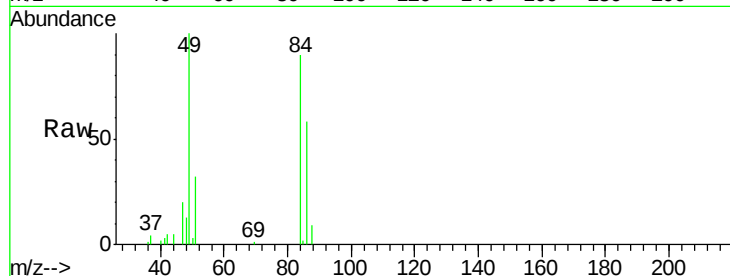




#20
Methylene Chloride
Concen: 3.249 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001092.D
Acq: 27 Dec 2019 13:08

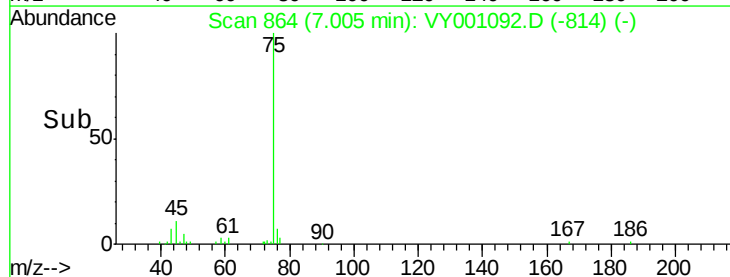
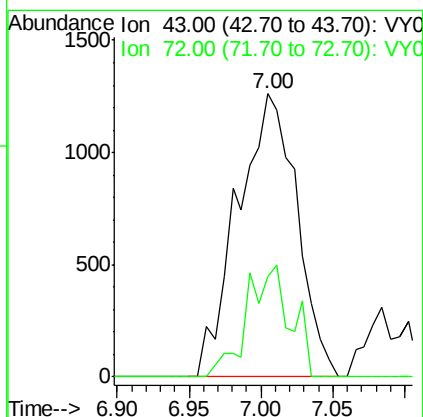
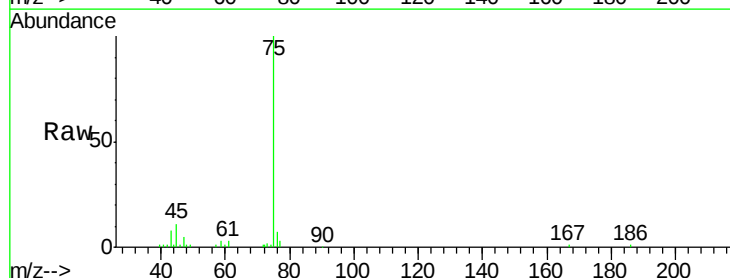
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF011-01

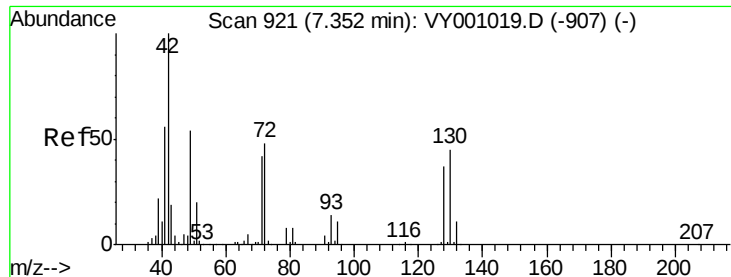
Tgt Ion: 84 Resp: 11070
Ion Ratio Lower Upper
84 100
49 111.3 99.8 149.6
51 35.8 31.4 47.2
86 64.6 52.2 78.2



#25
2-Butanone
Concen: 3.538 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001092.D
Acq: 27 Dec 2019 13:08

Tgt Ion: 43 Resp: 3598
Ion Ratio Lower Upper
43 100
72 35.7 22.4 33.6#

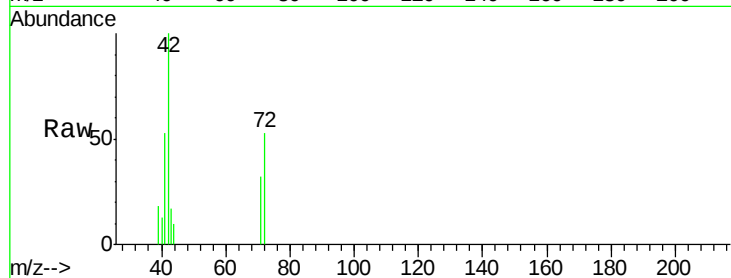




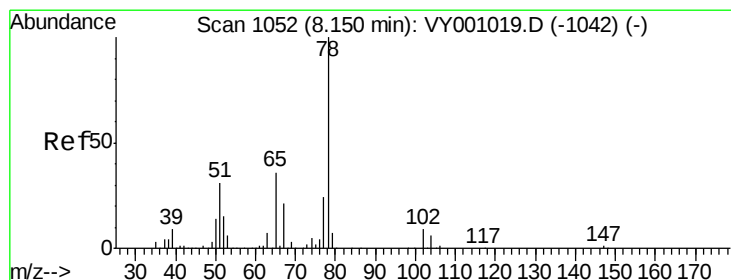
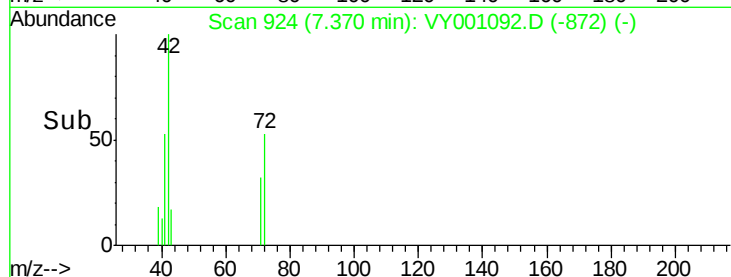
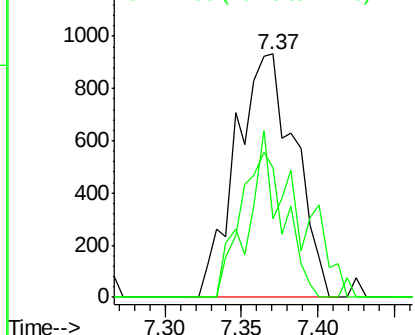
#29
Tetrahydrofuran
Concen: 3.458 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY001092.D
Acq: 27 Dec 2019 13:08

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF011-01

Tgt Ion: 42 Resp: 2501
Ion Ratio Lower Upper
42 100
72 45.7 37.7 56.5
71 56.7 34.6 51.8#

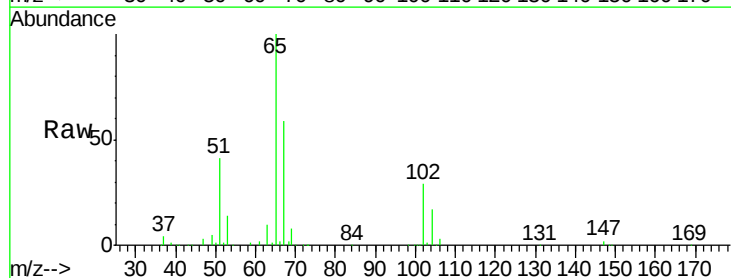


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

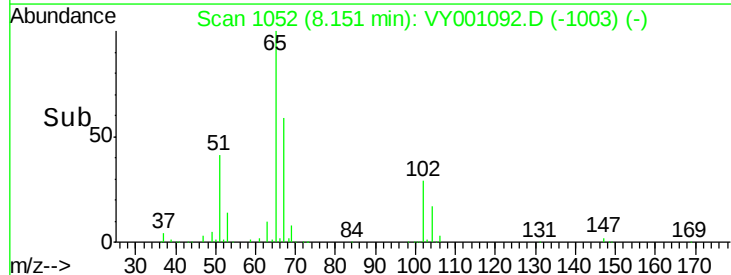
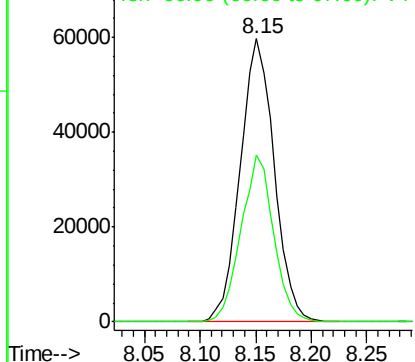


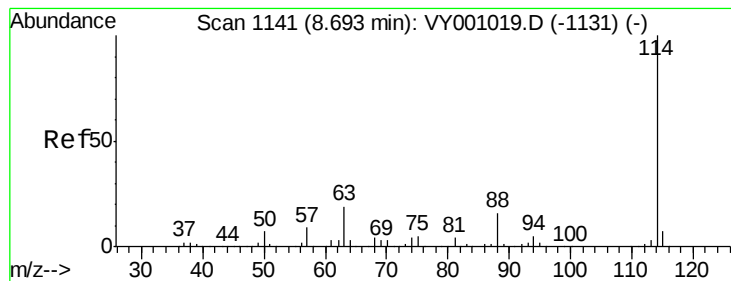
#33
1,2-Dichloroethane-d4
Concen: 50.544 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001092.D
Acq: 27 Dec 2019 13:08

Tgt Ion: 65 Resp: 126997
Ion Ratio Lower Upper
65 100
67 56.3 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001092.D

Acq: 27 Dec 2019 13:08

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF011-01

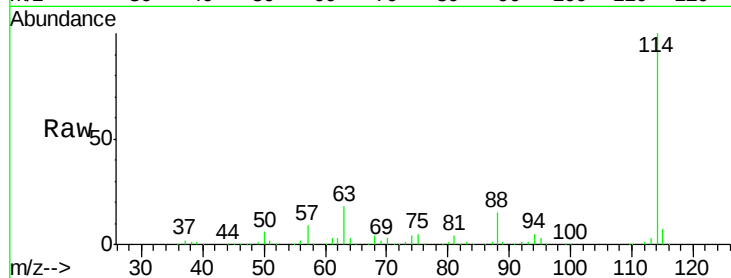
Tgt Ion:114 Resp: 481974

Ion Ratio Lower Upper

114 100

63 17.8 0.0 37.0

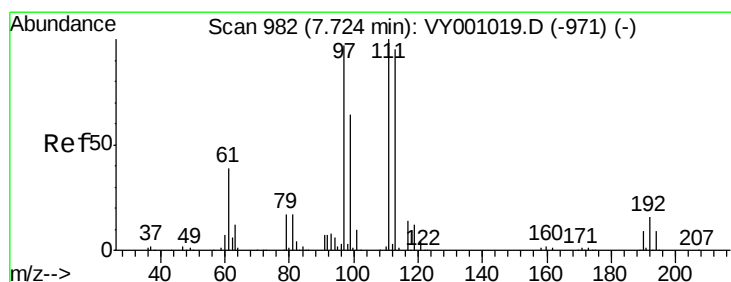
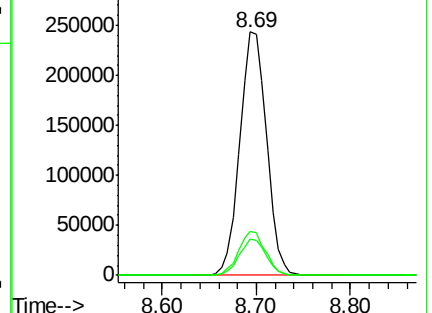
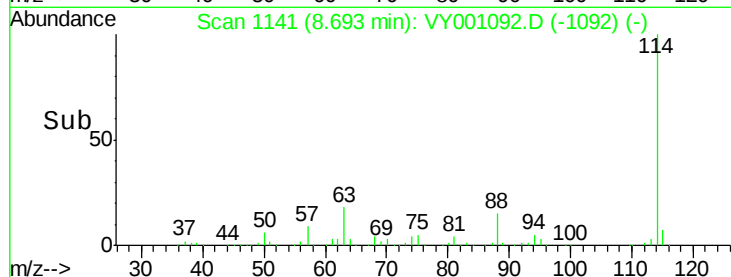
88 14.8 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 48.281 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001092.D

Acq: 27 Dec 2019 13:08

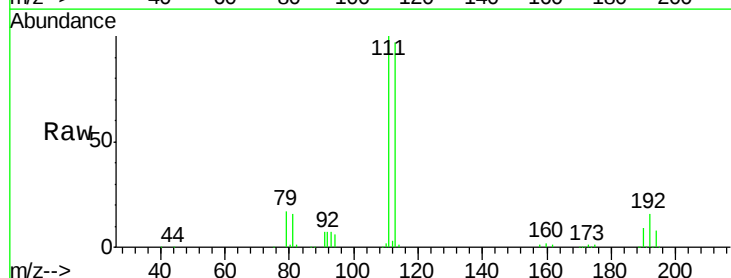
Tgt Ion:113 Resp: 137027

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.4

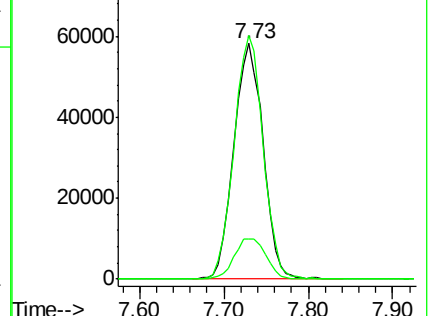
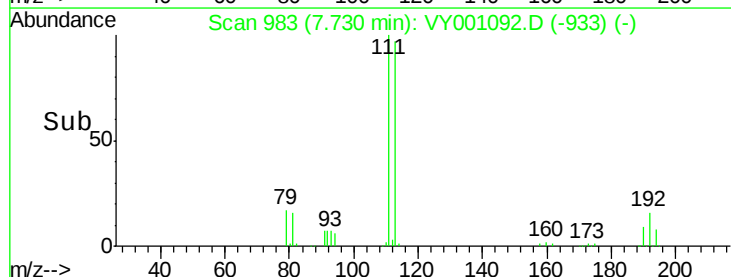
192 18.3 14.6 21.8

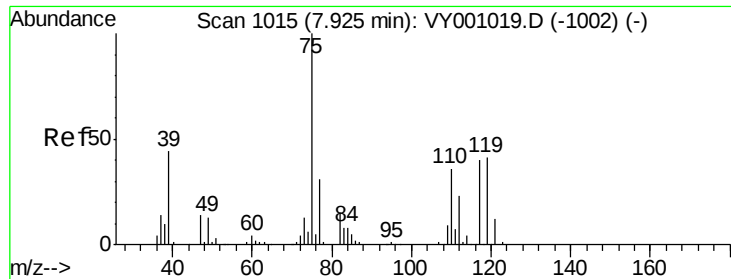


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

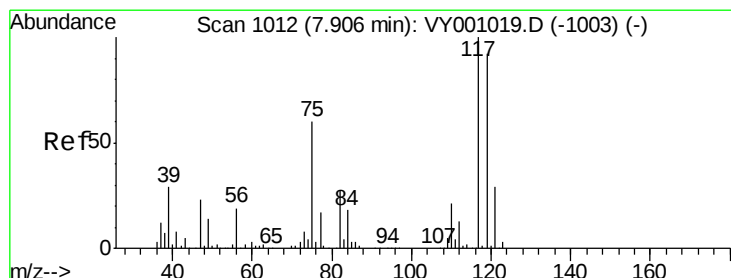
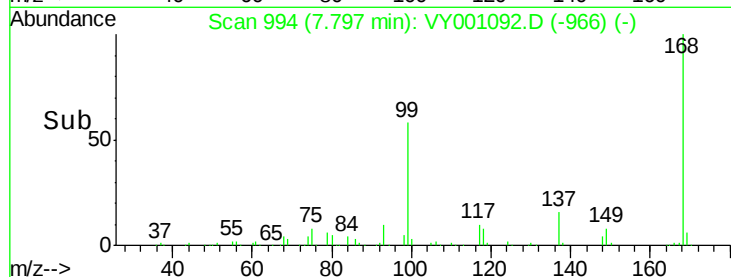
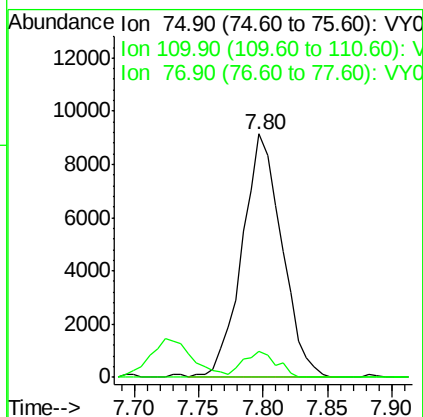
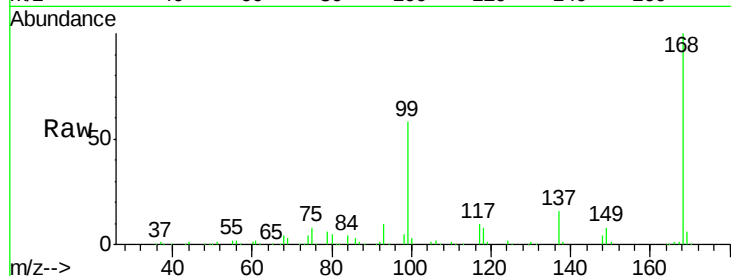




#36
 1,1-Dichloropropene
 Concen: 4.250 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY001092.D
 Acq: 27 Dec 2019 13:08

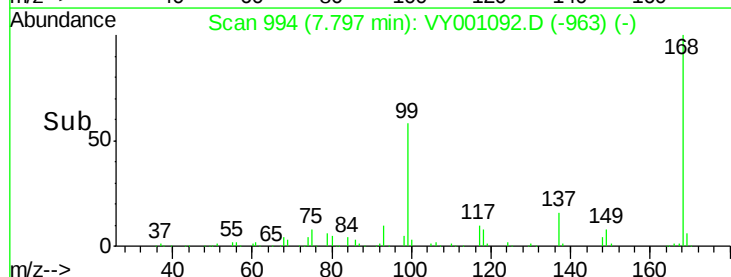
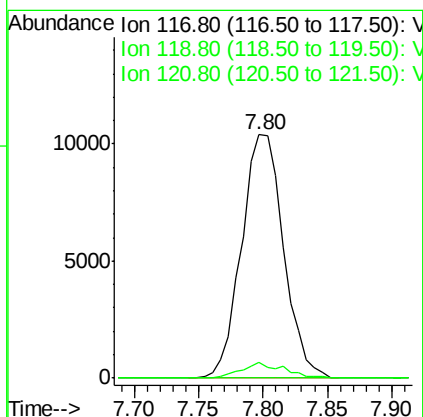
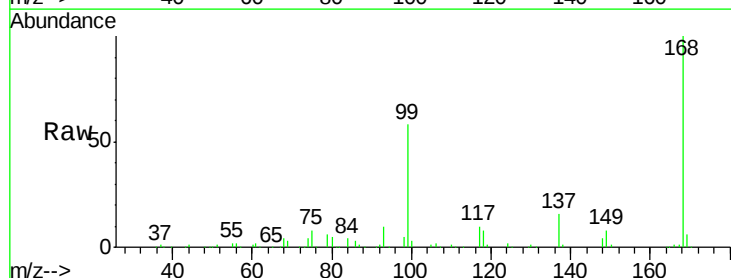
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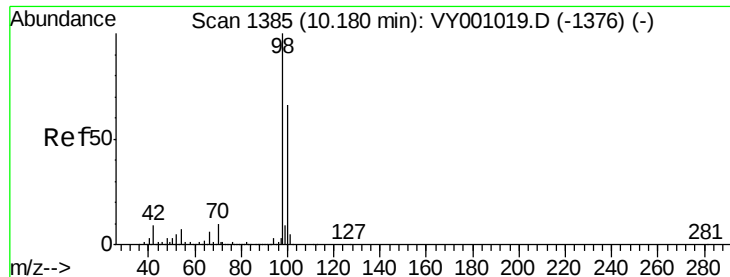
Tgt Ion: 75 Resp: 19542
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.4#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.821 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY001092.D
 Acq: 27 Dec 2019 13:08

Tgt Ion: 117 Resp: 23450
 Ion Ratio Lower Upper
 117 100
 119 6.5 74.2 111.2#
 121 0.0 22.9 34.3#





#50

Toluene-d8

Concen: 50.481 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001092.D

Acq: 27 Dec 2019 13:08

Instrument :

MSVOA_Y

ClientSampleId :

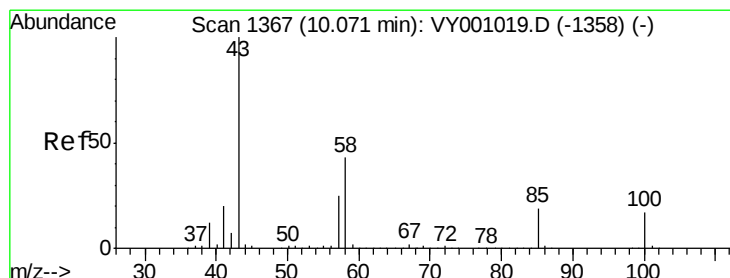
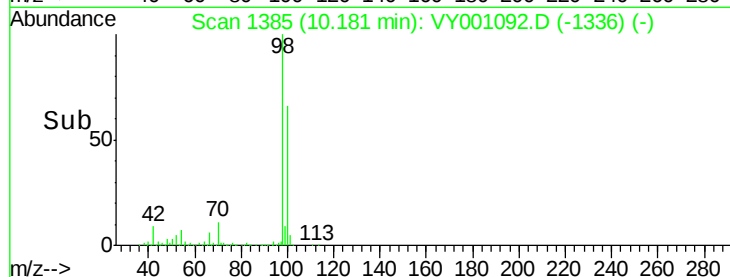
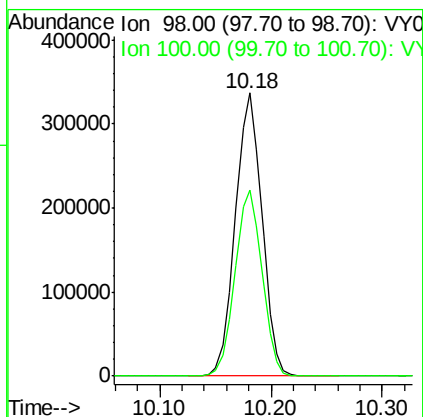
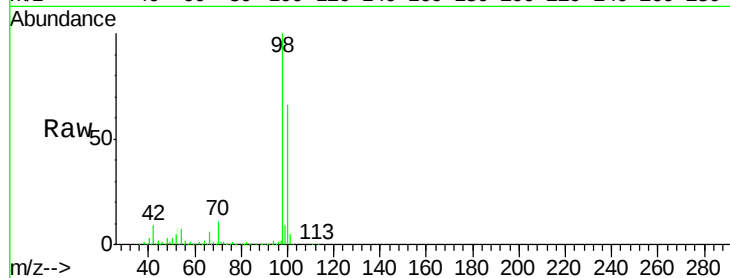
LIED-BF011-01

Tgt Ion: 98 Resp: 559903

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.147 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001092.D

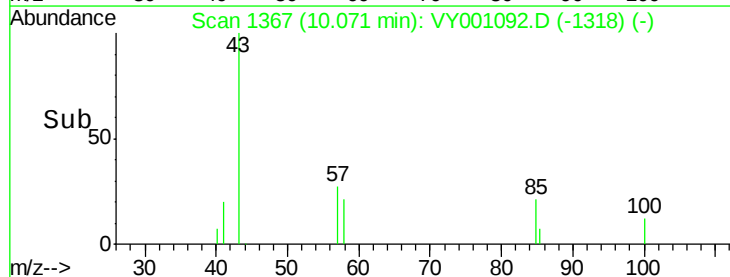
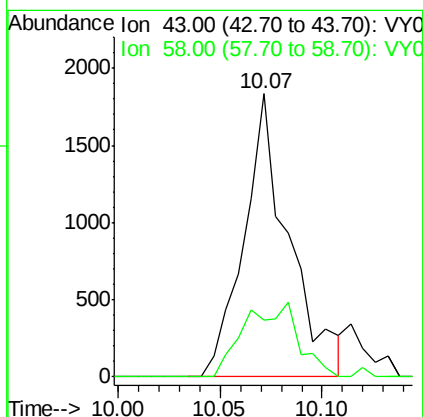
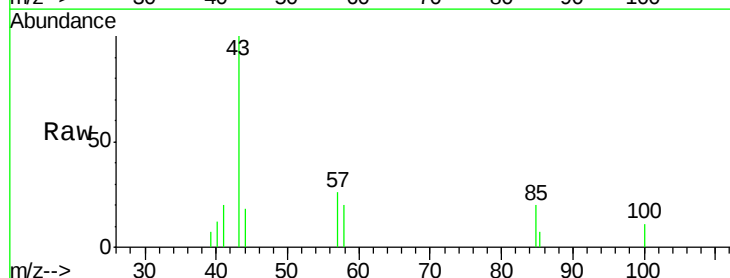
Acq: 27 Dec 2019 13:08

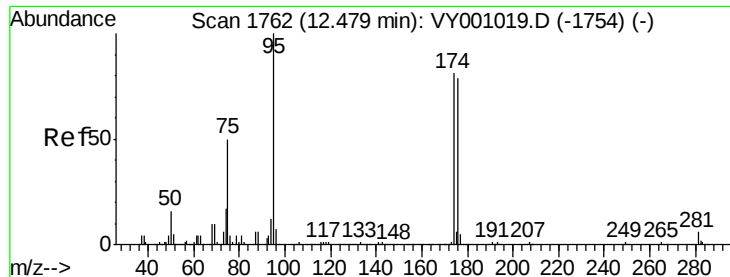
Tgt Ion: 43 Resp: 2817

Ion Ratio Lower Upper

43 100

58 31.4 34.6 52.0#

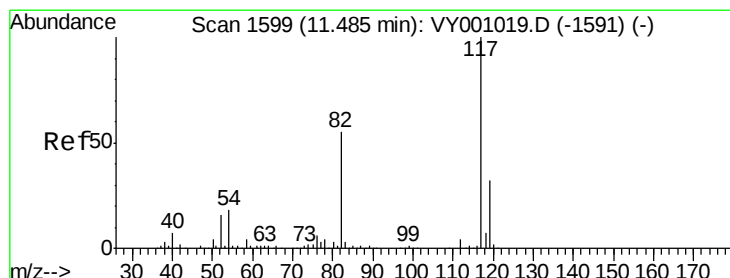
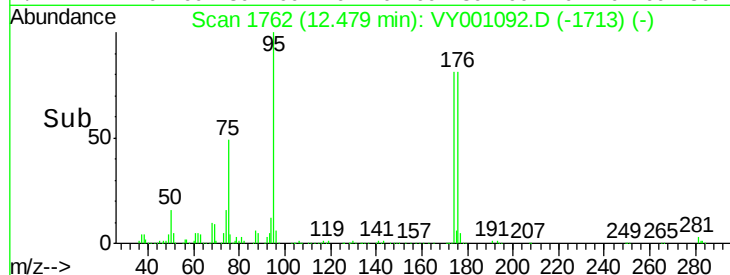
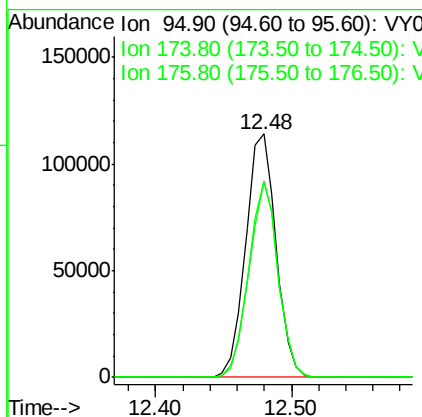
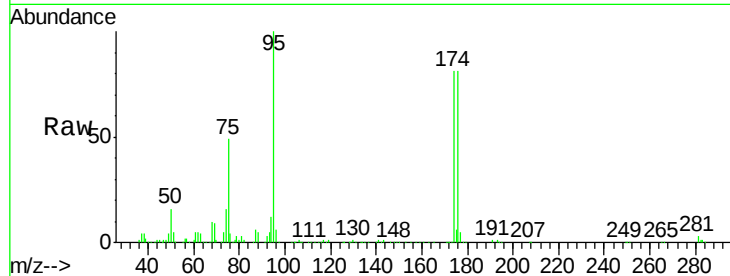




#62
4-Bromofluorobenzene
Concen: 43.932 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001092.D
Acq: 27 Dec 2019 13:08

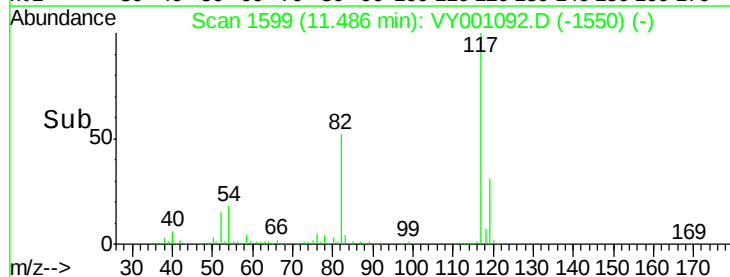
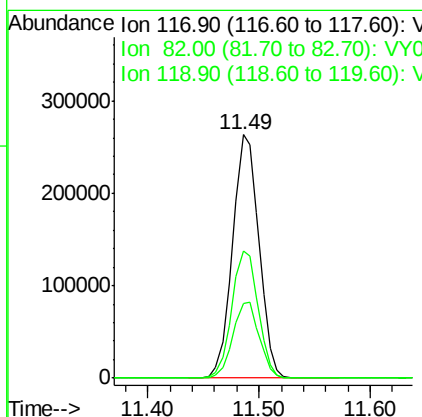
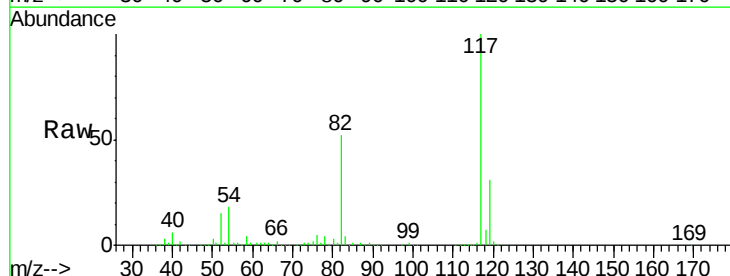
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF011-01

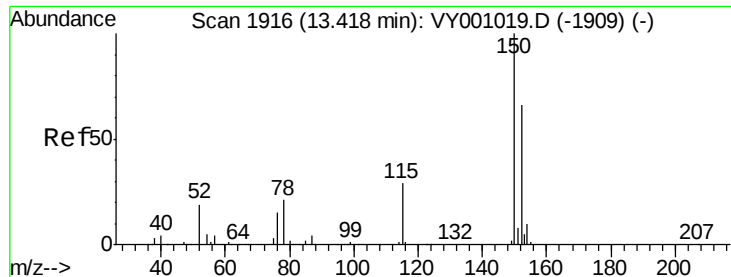
Tgt Ion: 95 Resp: 178152
Ion Ratio Lower Upper
95 100
174 78.1 0.0 156.4
176 77.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001092.D
Acq: 27 Dec 2019 13:08

Tgt Ion: 117 Resp: 430671
Ion Ratio Lower Upper
117 100
82 52.1 43.8 65.8
119 30.6 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VY001092.D

Acq: 27 Dec 2019 13:08

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF011-01

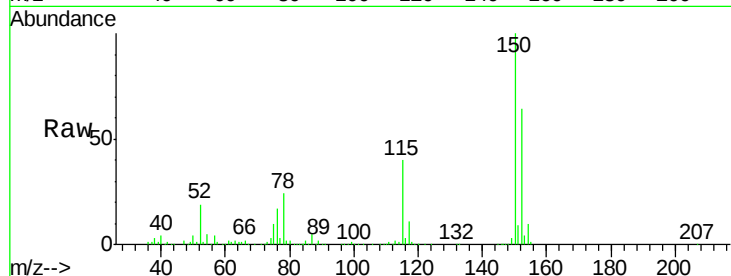
Tgt Ion:152 Resp: 186601

Ion Ratio Lower Upper

152 100

115 58.2 29.8 89.3

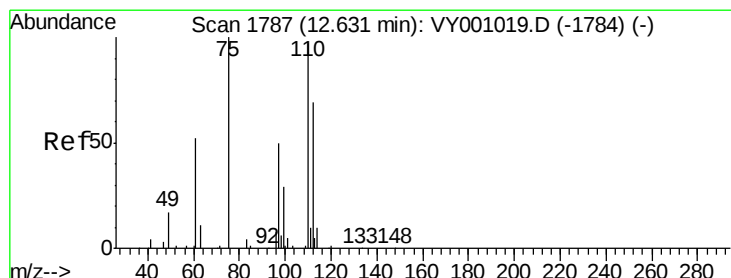
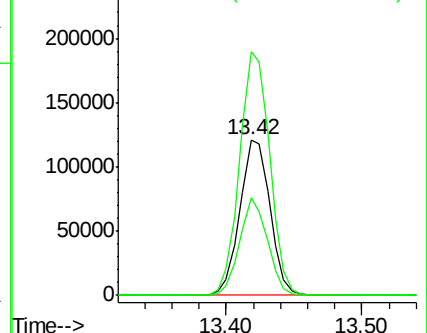
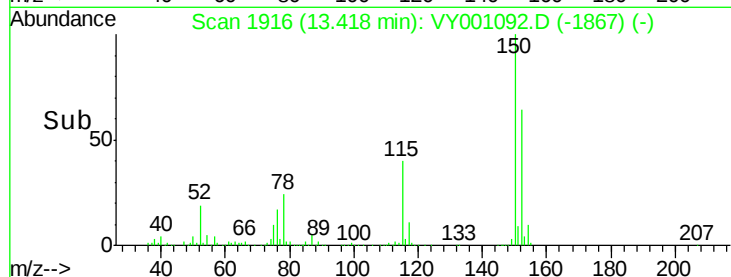
150 156.7 0.0 352.6



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: 38.064 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001092.D

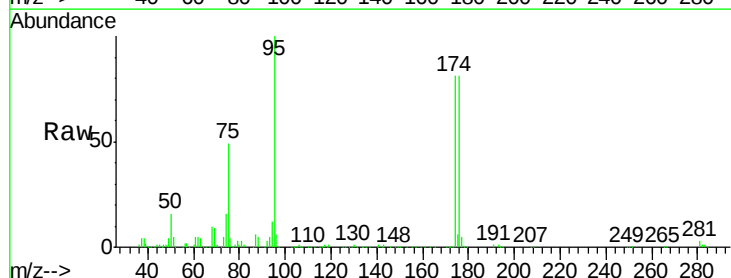
Acq: 27 Dec 2019 13:08

Tgt Ion: 75 Resp: 87563

Ion Ratio Lower Upper

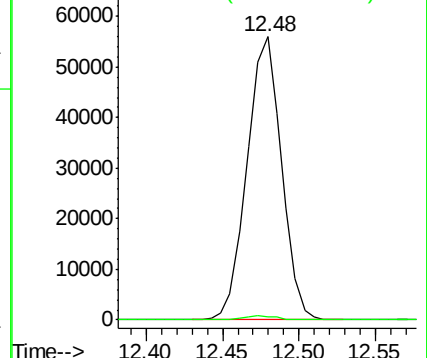
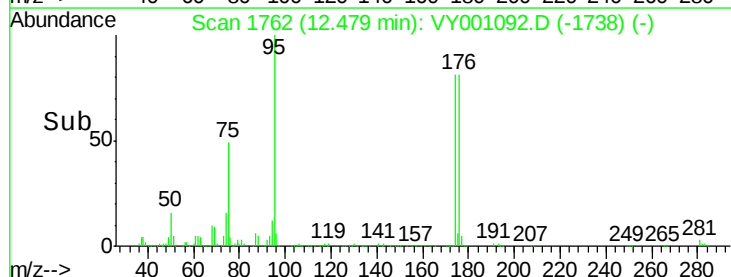
75 100

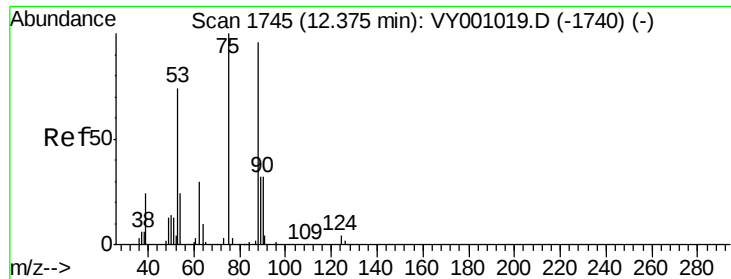
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 81.182 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001092.D

Acq: 27 Dec 2019 13:08

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF011-01

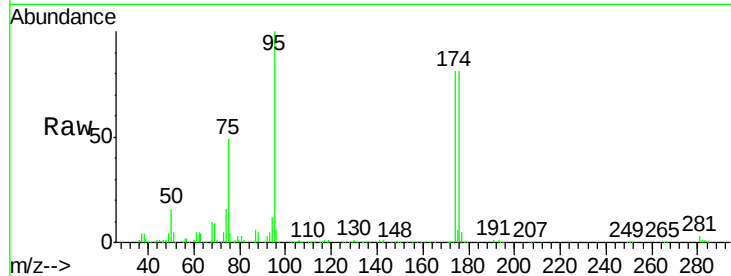
Tgt Ion: 75 Resp: 87563

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

