

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001101.D
 Acq On : 27 Dec 2019 16:28
 Operator : SY/MD
 Sample : K6439-01RE
 Misc : 4.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01

Quant Time: Dec 28 04:03:46 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	230386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	429863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	390658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175140	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	127508	56.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.24%	
35) Dibromofluoromethane	7.73	113	125569	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.18	98	504394	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.48	95	167490	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

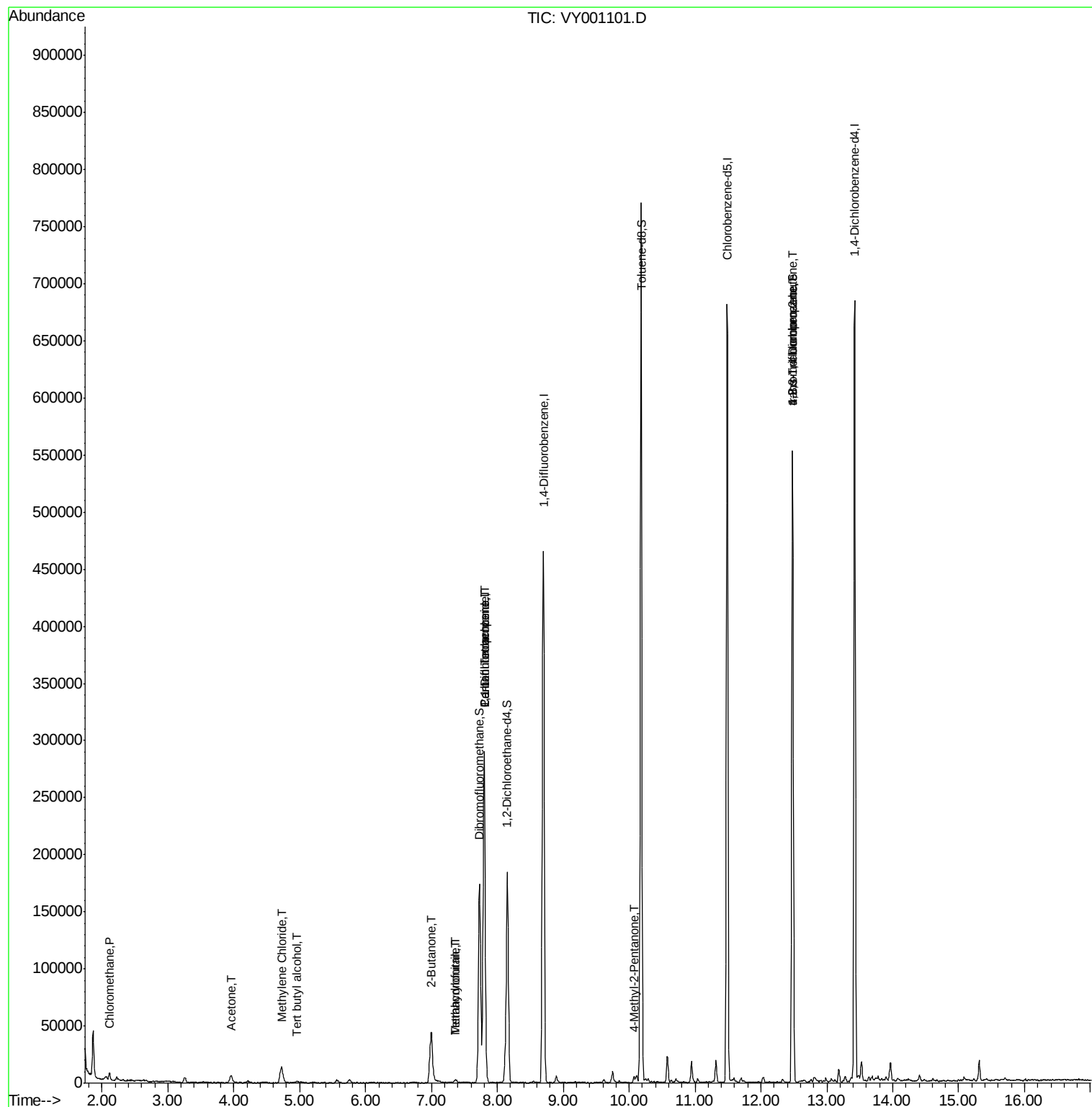
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	5733	2.098	ug/l	99
11) Tert butyl alcohol	4.95	59	2360	9.446	ug/l #	78
16) Acetone	3.96	43	11122	21.247	ug/l	98
20) Methylene Chloride	4.72	84	10584	3.435	ug/l #	80
25) 2-Butanone	7.00	43	4863	5.288	ug/l #	78
29) Tetrahydrofuran	7.36	42	1764	2.697	ug/l	94
36) 1,1-Dichloropropene	7.80	75	18653	4.549	ug/l #	45
38) Carbon Tetrachloride	7.80	117	21763	6.057	ug/l #	18
41) Methacrylonitrile	7.36	41	1457	1.480	ug/l #	100
51) 4-Methyl-2-Pentanone	10.07	43	3228	1.473	ug/l	98
76) 1,2,3-Trichloropropane	12.48	75	79671	36.900	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	79671	78.699	ug/l #	19

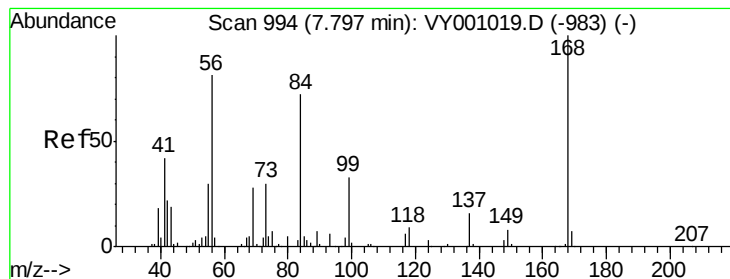
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
Data File : VY001101.D
Acq On : 27 Dec 2019 16:28
Operator : SY/MD
Sample : K6439-01RE
Misc : 4.03G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01

Quant Time: Dec 28 04:03:46 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

Instrument :

MSVOA_Y

ClientSampleId :

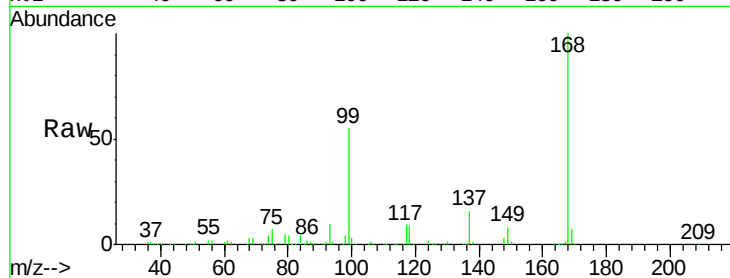
LIED-BF001-01

Tgt Ion:168 Resp: 230386

Ion Ratio Lower Upper

168 100

99 55.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001101.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001101.D (-983) (-)

7.80

100000

80000

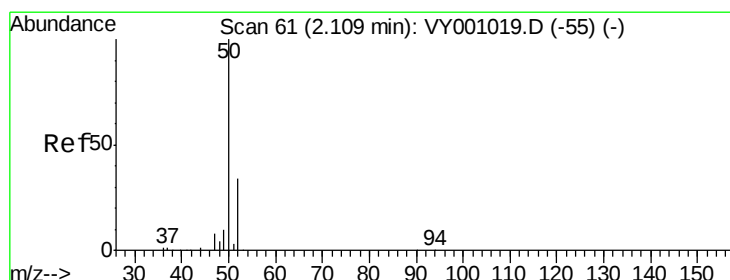
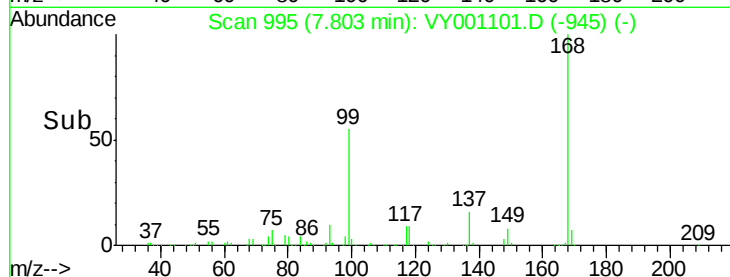
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 2.098 ug/l

RT: 2.11 min Scan# 61

Delta R.T. 0.00 min

Lab File: VY001101.D

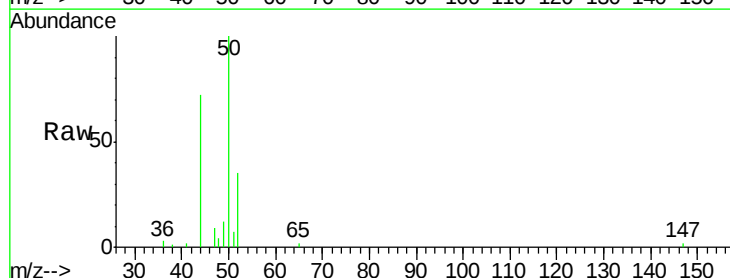
Acq: 27 Dec 2019 16:28

Tgt Ion: 50 Resp: 5733

Ion Ratio Lower Upper

50 100

52 34.7 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY001101.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001101.D (-55) (-)

2.11

4000

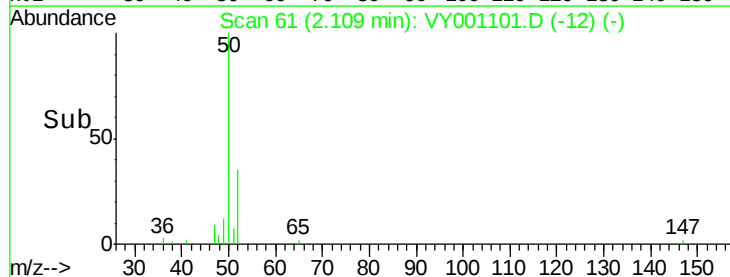
3000

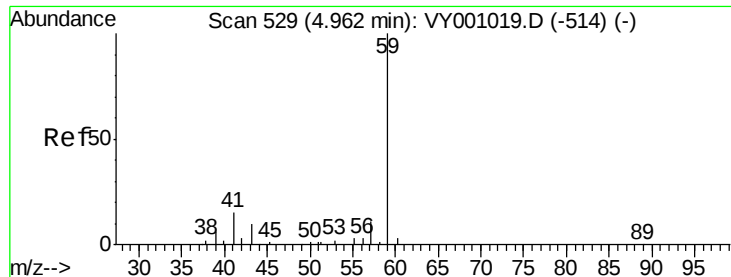
2000

1000

0

Time-->

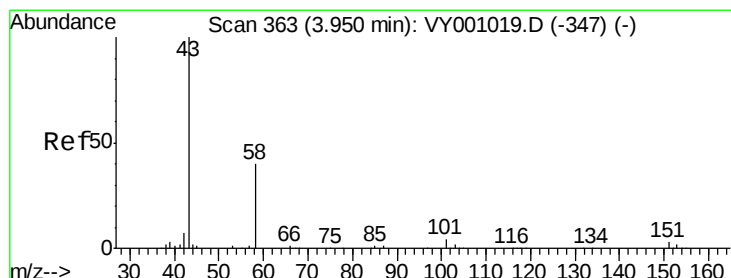
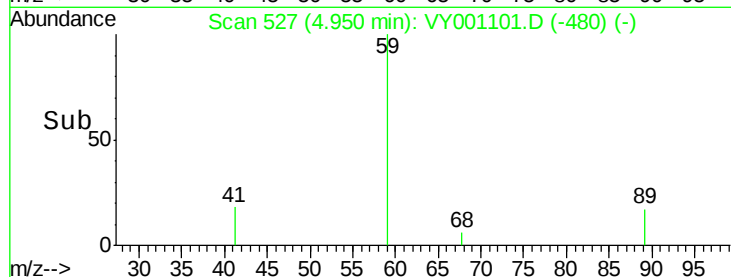
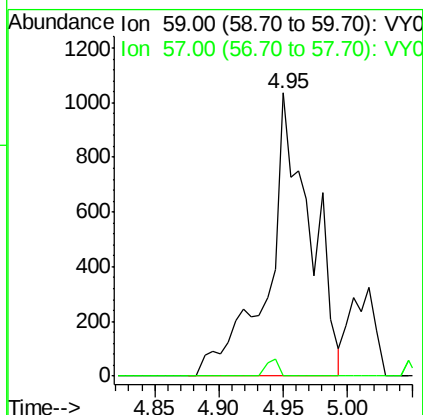
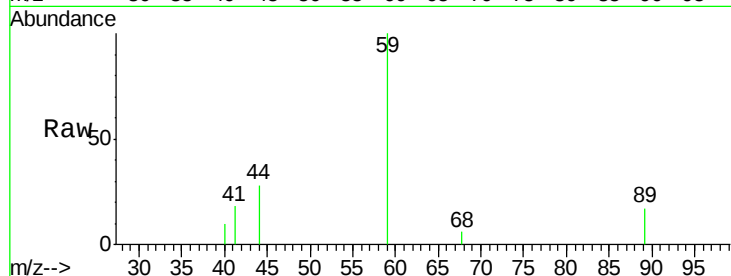




#11
Tert butyl alcohol
Concen: 9.446 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.01 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

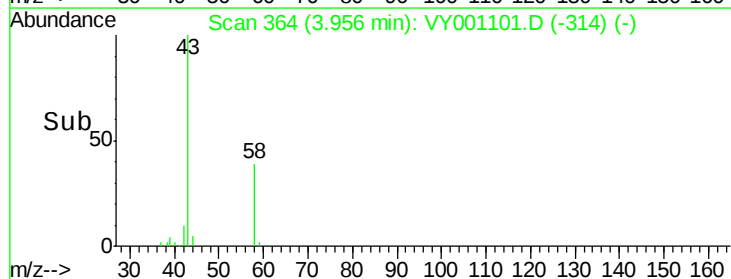
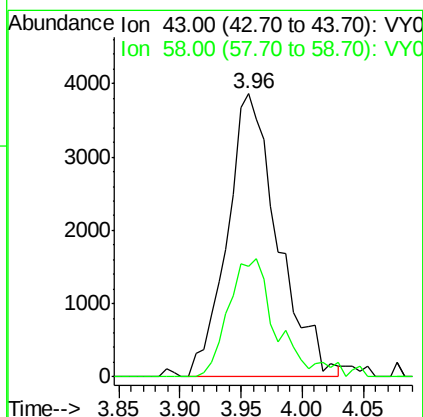
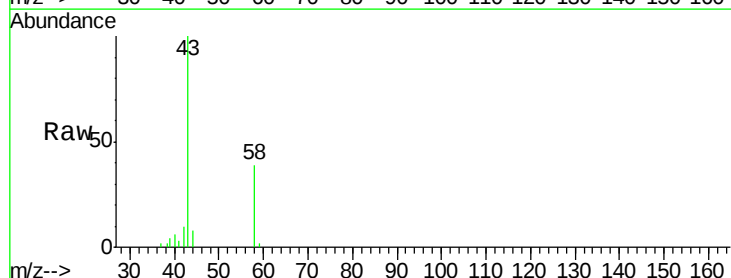
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01

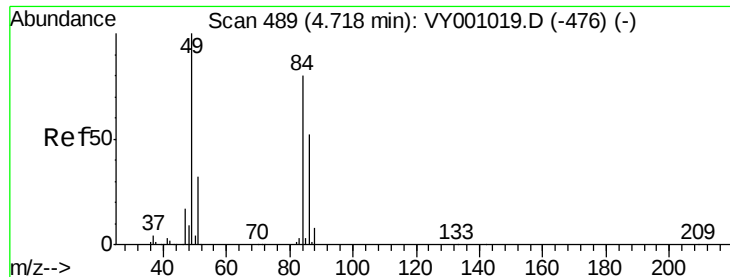
Tgt Ion: 59 Resp: 2360
Ion Ratio Lower Upper
59 100
57 1.8 7.8 11.6#



#16
Acetone
Concen: 21.247 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

Tgt Ion: 43 Resp: 11122
Ion Ratio Lower Upper
43 100
58 38.8 32.1 48.1

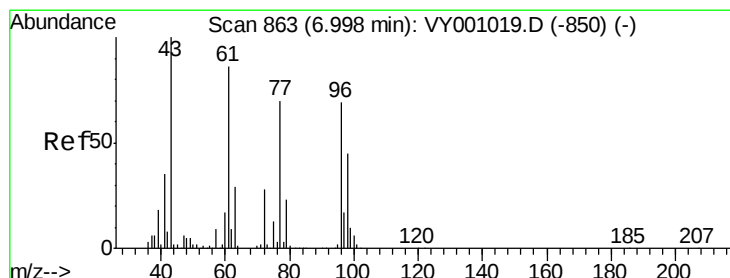
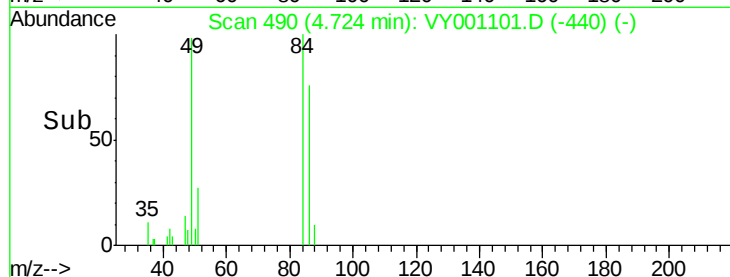
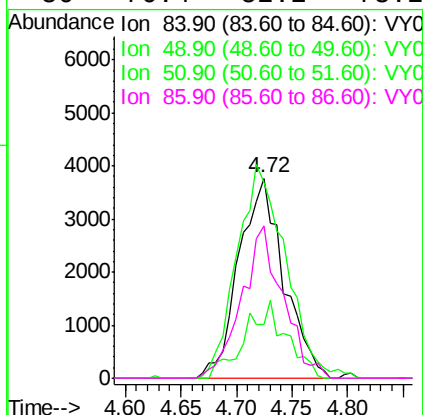
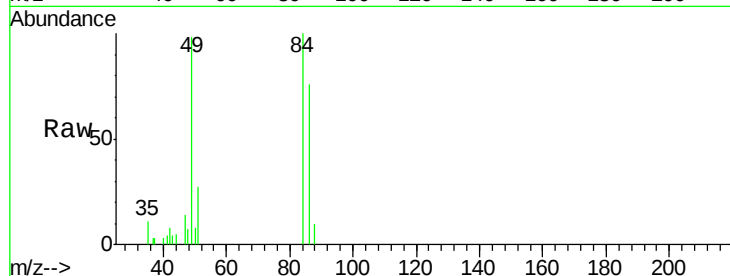




#20
Methylene Chloride
Concen: 3.435 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

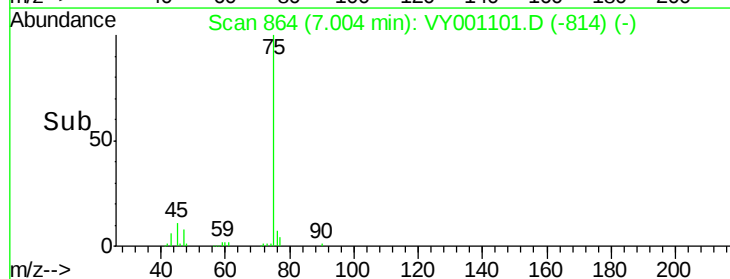
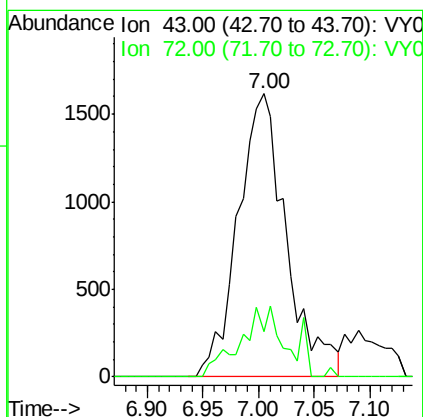
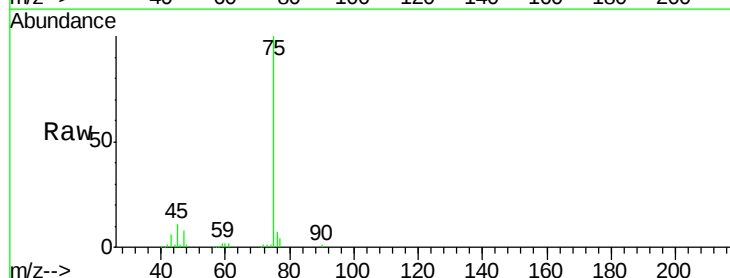
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01

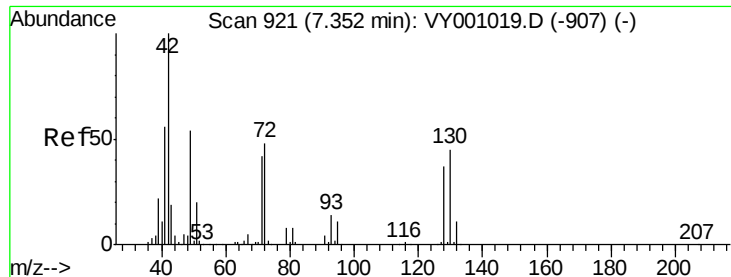
Tgt Ion: 84 Resp: 10584
Ion Ratio Lower Upper
84 100
49 97.7 99.8 149.6#
51 26.8 31.4 47.2#
86 76.4 52.2 78.2



#25
2-Butanone
Concen: 5.288 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

Tgt Ion: 43 Resp: 4863
Ion Ratio Lower Upper
43 100
72 16.2 22.4 33.6#

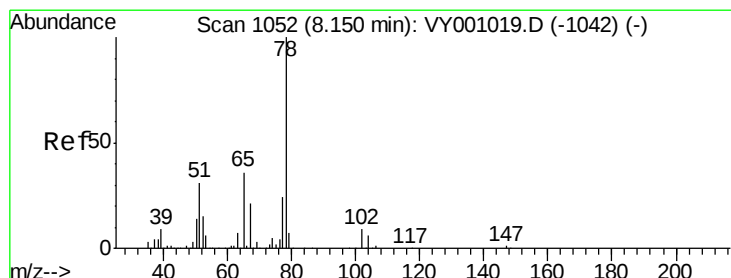
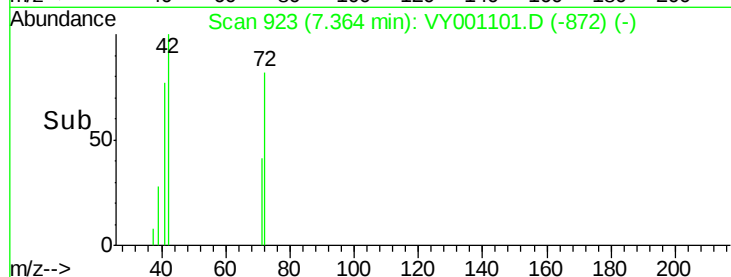
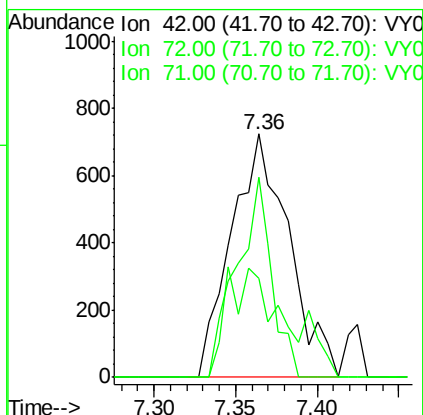
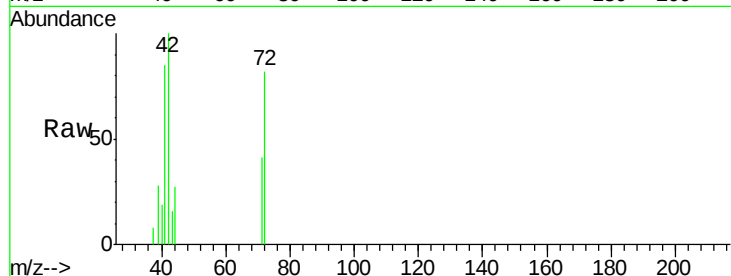




#29
Tetrahydrofuran
Concen: 2.697 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

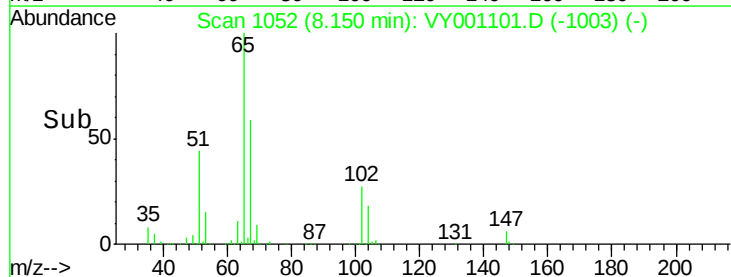
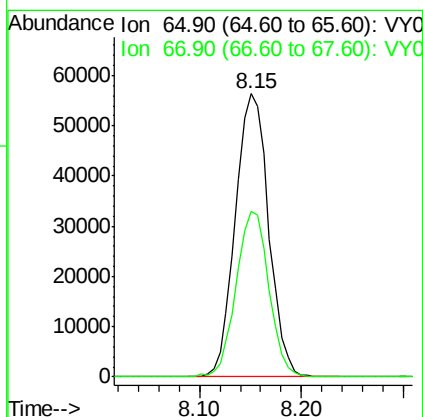
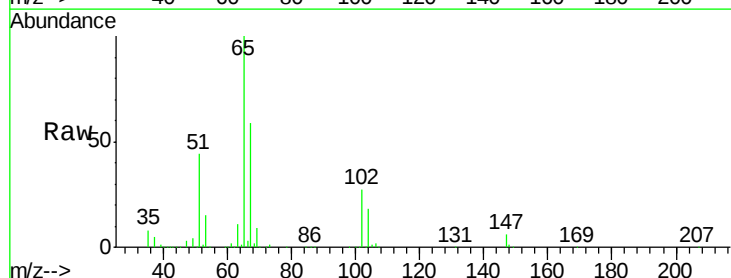
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01

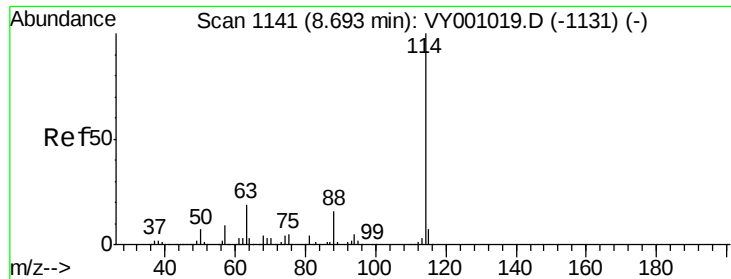
Tgt Ion: 42 Resp: 1764
Ion Ratio Lower Upper
42 100
72 50.6 37.7 56.5
71 38.9 34.6 51.8



#33
1,2-Dichloroethane-d4
Concen: 56.115 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

Tgt Ion: 65 Resp: 127508
Ion Ratio Lower Upper
65 100
67 57.6 0.0 112.8

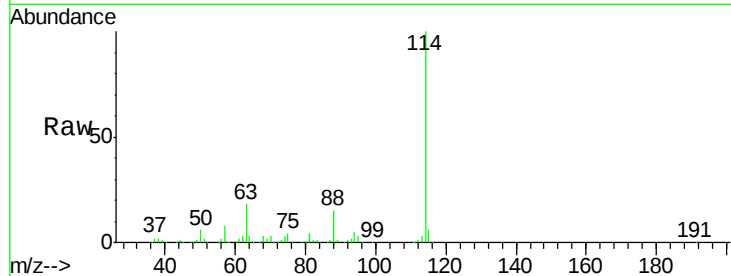




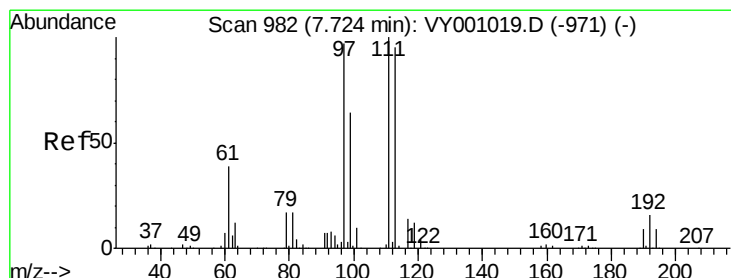
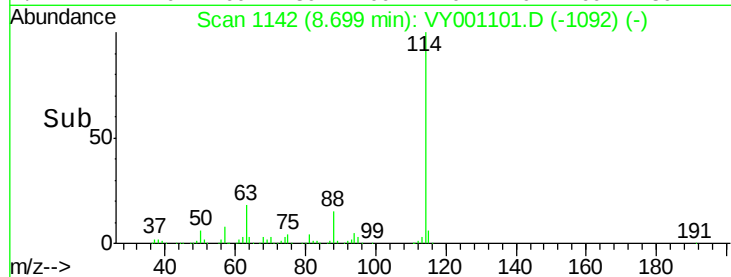
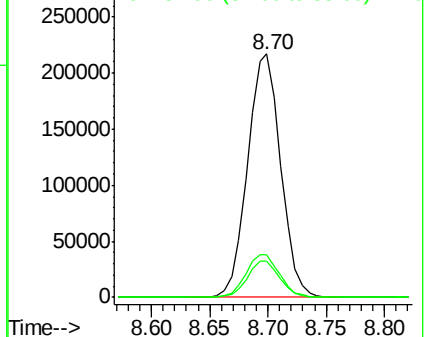
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001101.D
 Acq: 27 Dec 2019 16:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	37.0
88	14.8	0.0	32.0

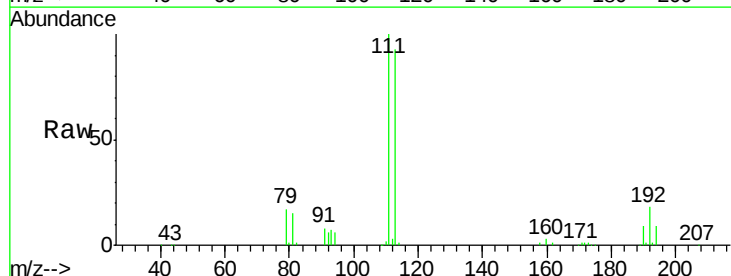


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

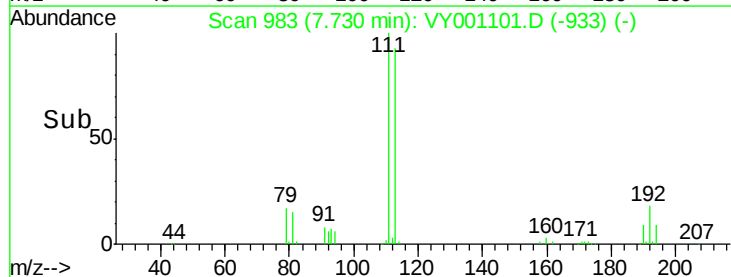
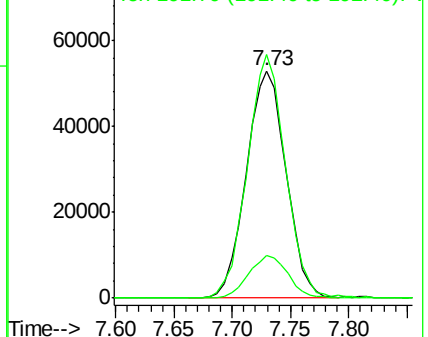


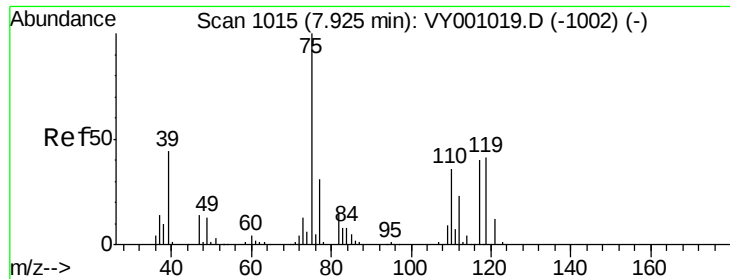
#35
 Dibromofluoromethane
 Concen: 49.607 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001101.D
 Acq: 27 Dec 2019 16:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.4
192	18.5	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: 4.549 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01

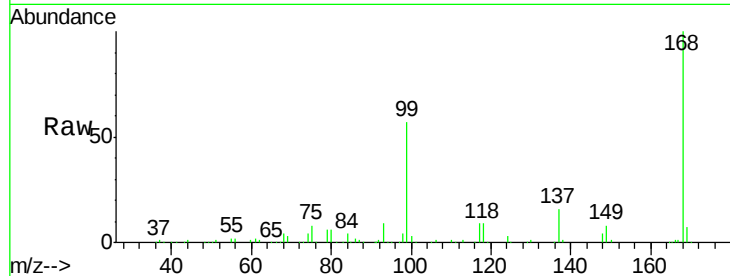
Tgt Ion: 75 Resp: 18653

Ion Ratio Lower Upper

75 100

110 4.5 18.1 54.4#

77 0.0 24.6 37.0#

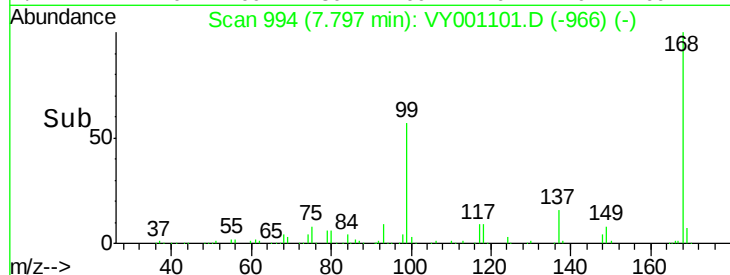


Abundance Ion 74.90 (74.60 to 75.60): VY001101.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY001101.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY001101.D (-966) (-)

Time-->



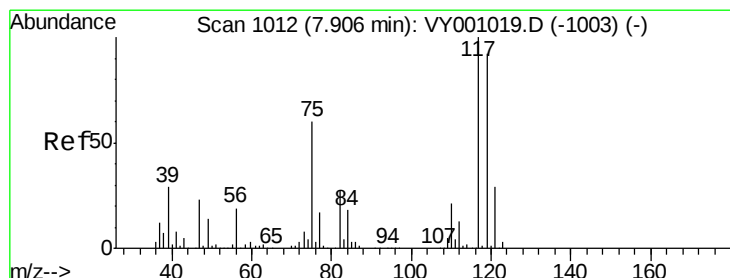
Abundance

Ion 74.90 (74.60 to 75.60): VY001101.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY001101.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY001101.D (-966) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

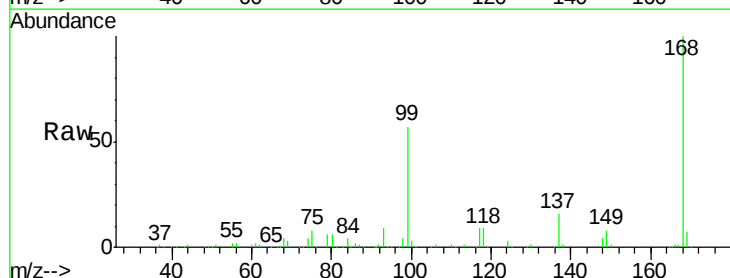
Tgt Ion: 117 Resp: 21763

Ion Ratio Lower Upper

117 100

119 5.2 74.2 111.2#

121 0.0 22.9 34.3#

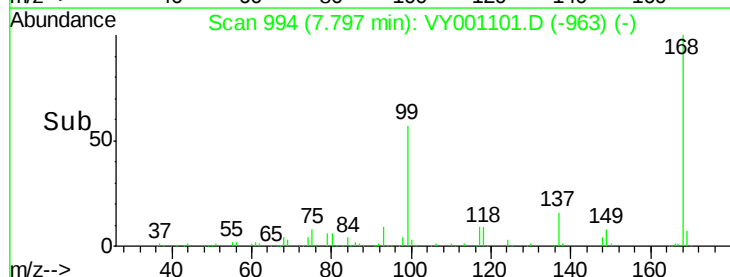


Abundance Ion 116.80 (116.50 to 117.50): VY001101.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY001101.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY001101.D (-963) (-)

Time-->



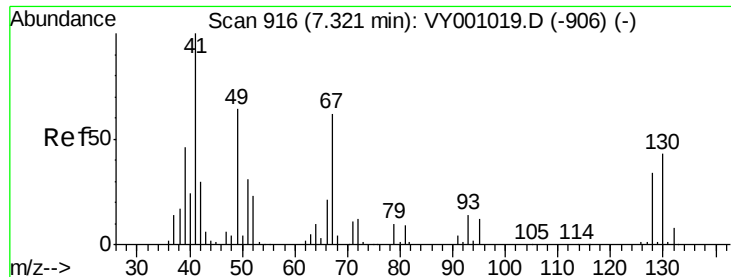
Abundance

Ion 116.80 (116.50 to 117.50): VY001101.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY001101.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY001101.D (-963) (-)

Time-->



#41

Methacrylonitrile

Concen: 1.480 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.04 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-01

Tgt Ion: 41 Resp: 1457

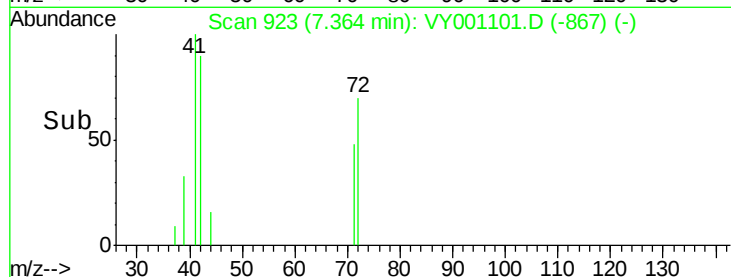
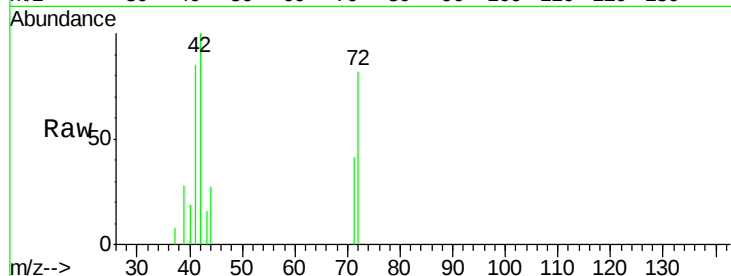
Ion Ratio Lower Upper

41 100

39 42.2 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

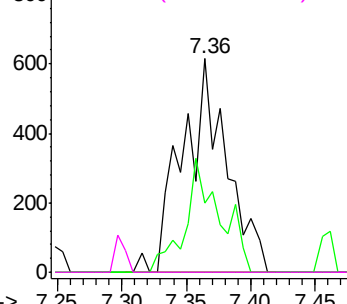


Abundance Ion 41.00 (40.70 to 41.70): VY0

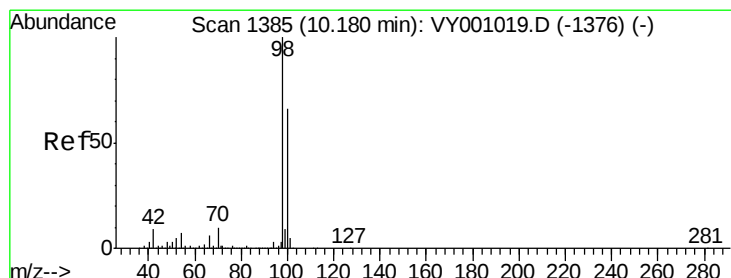
Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



Time-->



#50

Toluene-d8

Concen: 50.989 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001101.D

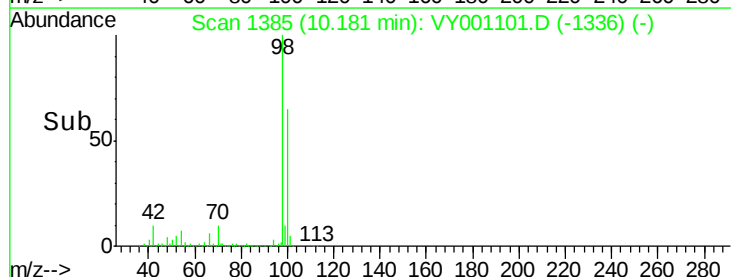
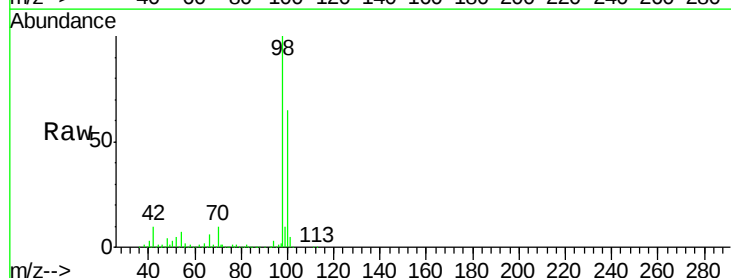
Acq: 27 Dec 2019 16:28

Tgt Ion: 98 Resp: 504394

Ion Ratio Lower Upper

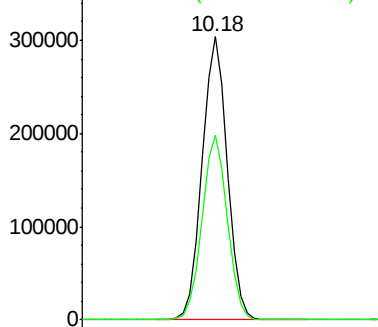
98 100

100 65.1 53.0 79.4

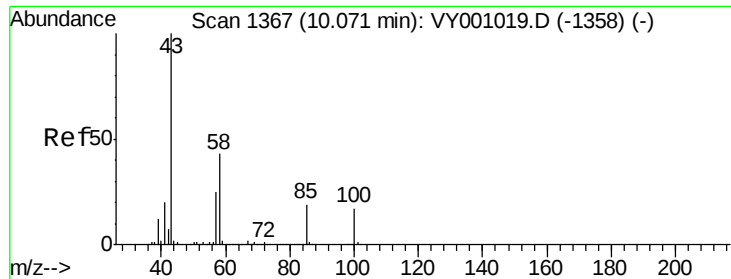


Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.473 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

Instrument :

MSVOA_Y

ClientSampleId :

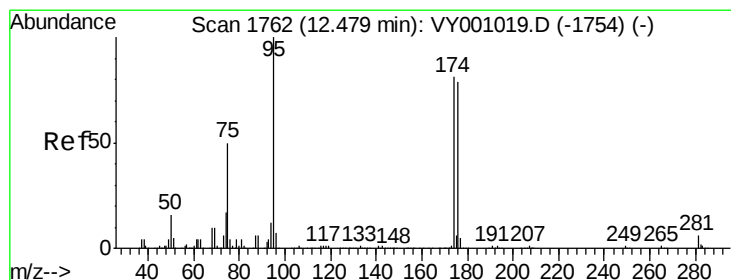
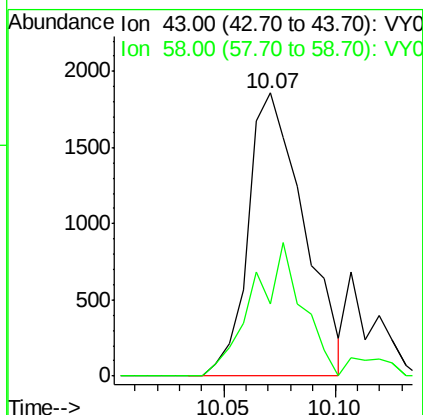
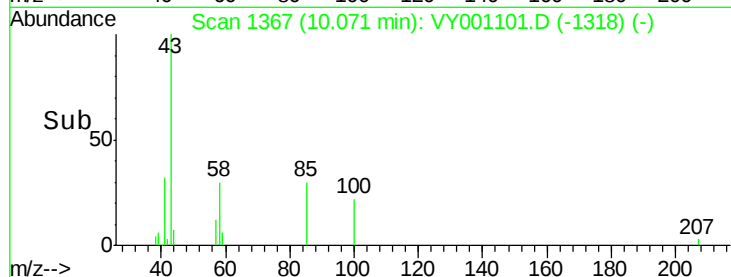
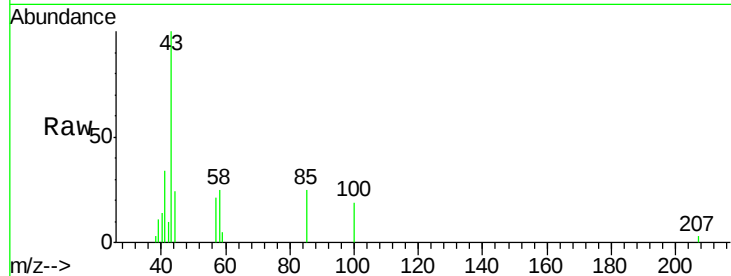
LIED-BF001-01

Tgt Ion: 43 Resp: 3228

Ion Ratio Lower Upper

43 100

58 41.9 34.6 52.0



#62

4-Bromofluorobenzene

Concen: 46.310 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

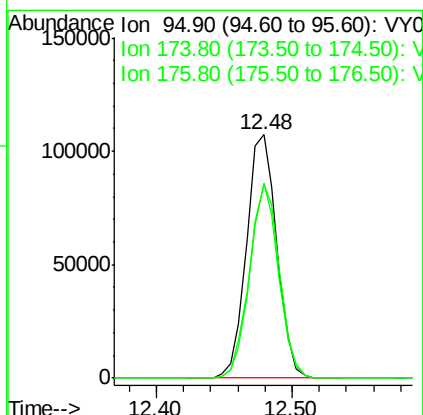
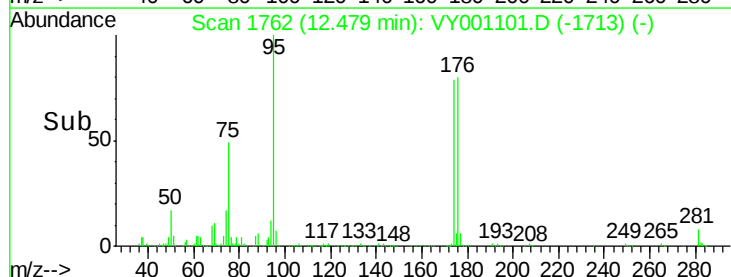
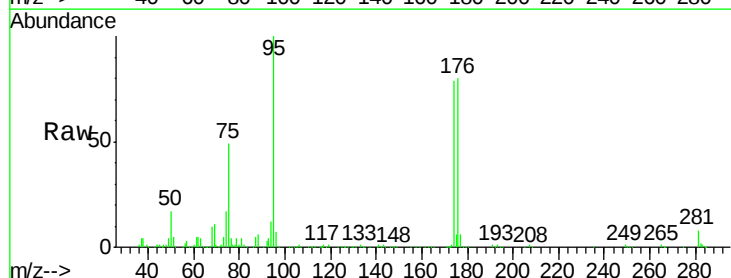
Tgt Ion: 95 Resp: 167490

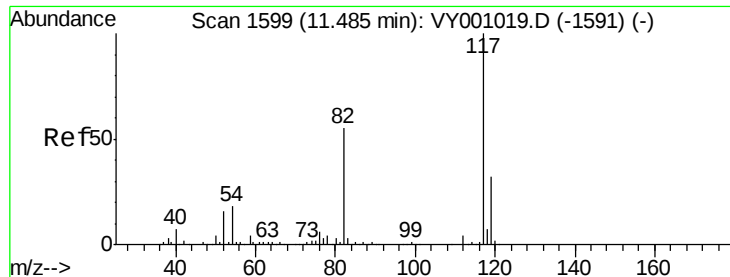
Ion Ratio Lower Upper

95 100

174 79.3 0.0 156.4

176 75.8 0.0 155.0

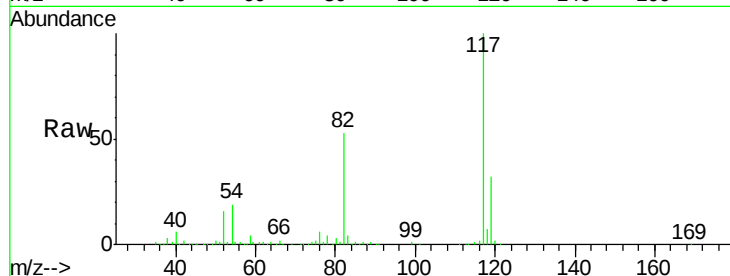




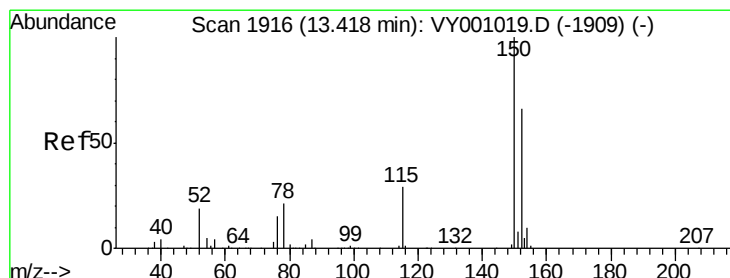
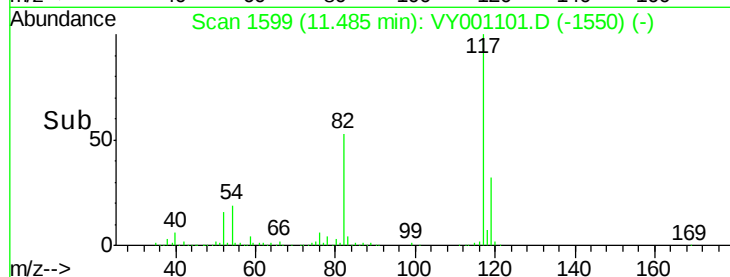
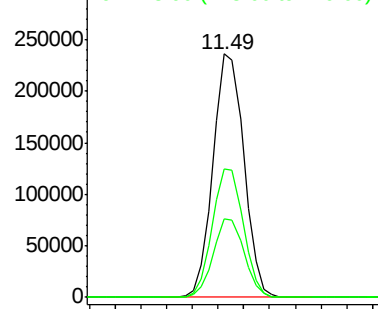
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.8	65.8
119	32.0	25.8	38.6

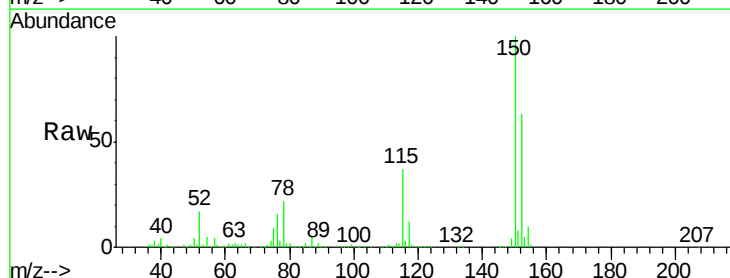


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

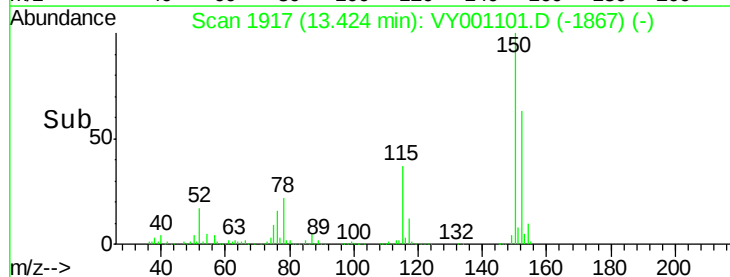
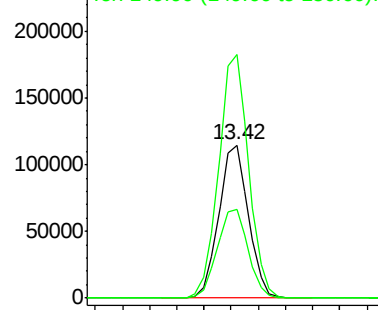


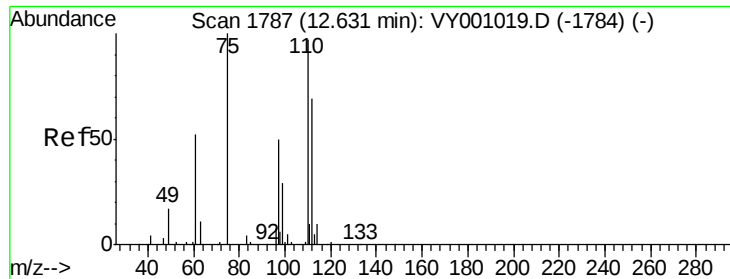
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001101.D
Acq: 27 Dec 2019 16:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.8	89.3
150	160.0	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: 36.900 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

Instrument :

MSVOA_Y

ClientSampleId :

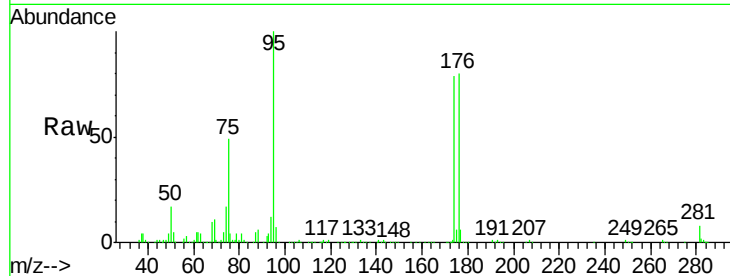
LIED-BF001-01

Tgt Ion: 75 Resp: 79671

Ion Ratio Lower Upper

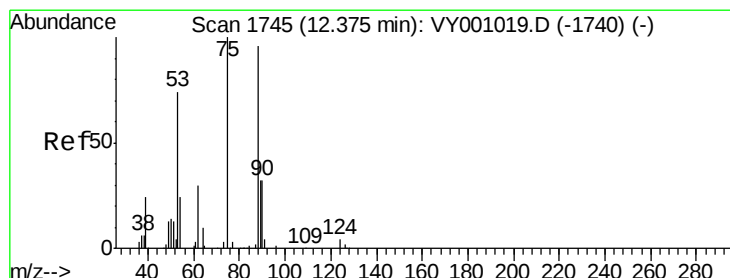
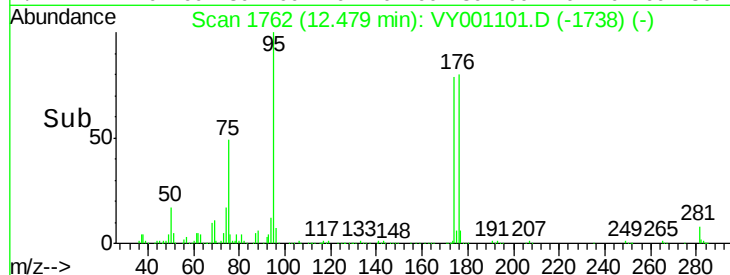
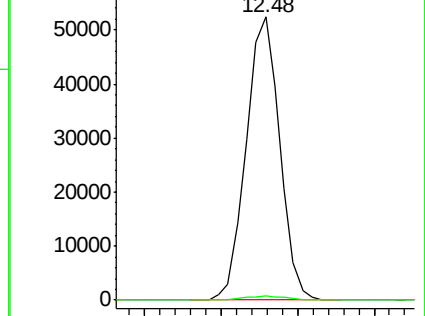
75 100

77 1.8 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: 78.699 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001101.D

Acq: 27 Dec 2019 16:28

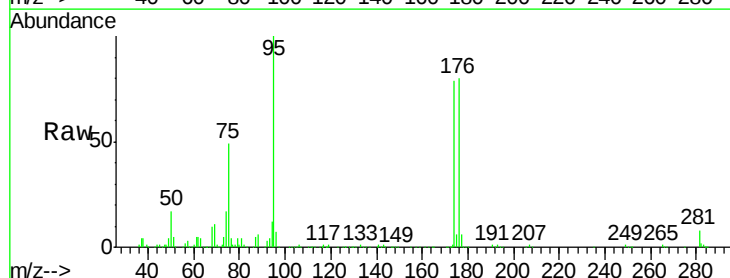
Tgt Ion: 75 Resp: 79671

Ion Ratio Lower Upper

75 100

53 0.1 60.6 91.0#

89 0.1 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

