

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001104.D
 Acq On : 27 Dec 2019 17:33
 Operator : SY/MD
 Sample : K6439-04
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-02

Quant Time: Dec 28 04:04:37 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	131940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	248550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	224372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	100279	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	72944	56.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.12%	
35) Dibromofluoromethane	7.72	113	72376	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.18	98	291796	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.48	95	93750	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	

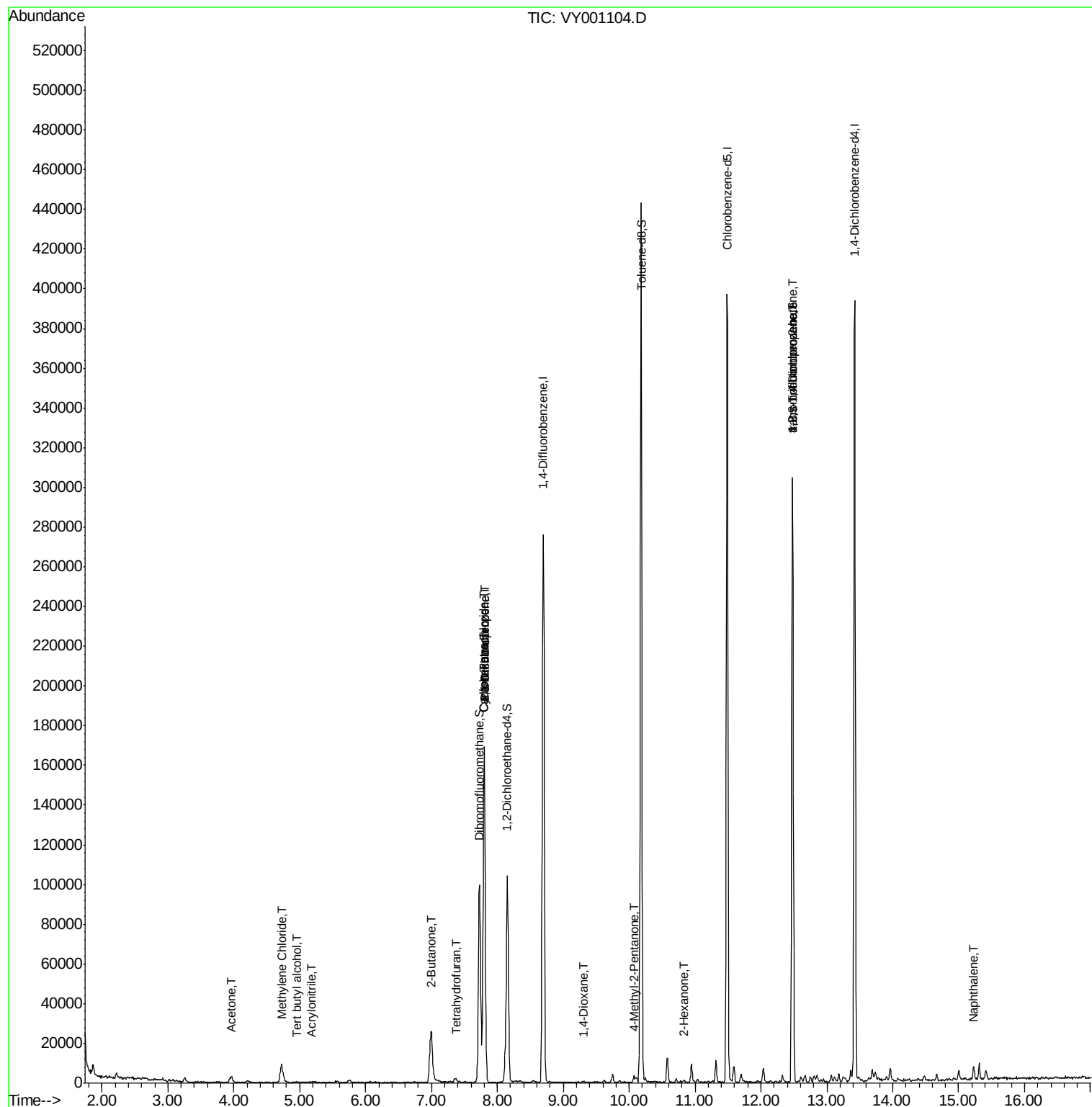
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.95	59	609	4.256	ug/l #	74
15) Acrylonitrile	5.18	53	526	1.157	ug/l #	45
16) Acetone	3.96	43	5224	17.426	ug/l	91
20) Methylene Chloride	4.72	84	6746	3.823	ug/l	94
25) 2-Butanone	7.00	43	2928	5.560	ug/l	95
29) Tetrahydrofuran	7.37	42	1436	3.833	ug/l	93
31) Cyclohexane	7.79	56	2974	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10558	4.453	ug/l #	50
38) Carbon Tetrachloride	7.79	117	12558	6.045	ug/l #	16
49) 1,4-Dioxane	9.31	88	132	9.754	ug/l #	24
51) 4-Methyl-2-Pentanone	10.08	43	2771	2.187	ug/l	94
59) 2-Hexanone	10.83	43	1064	1.214	ug/l	78
76) 1,2,3-Trichloropropane	12.48	75	46033	37.236	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	46033	79.417	ug/l #	19
95) Naphthalene	15.23	128	5130	1.045	ug/l	97

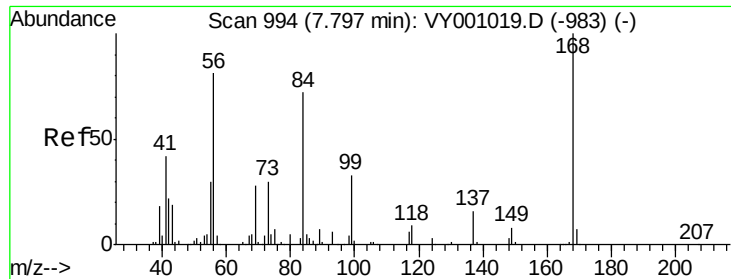
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
Data File : VY001104.D
Acq On : 27 Dec 2019 17:33
Operator : SY/MD
Sample : K6439-04
Misc : 5.08G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-02

Quant Time: Dec 28 04:04:37 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: VY001104.D

Acq: 27 Dec 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

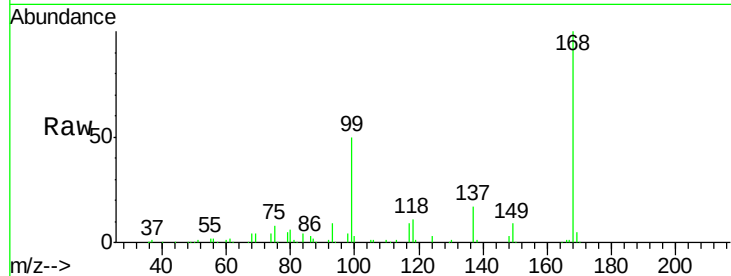
LIED-BF001-02

Tgt Ion: 168 Resp: 131940

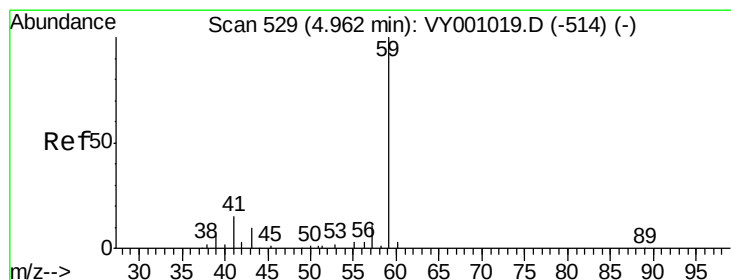
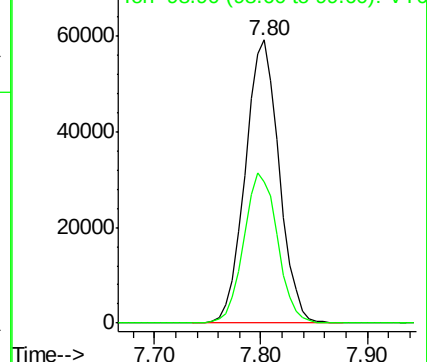
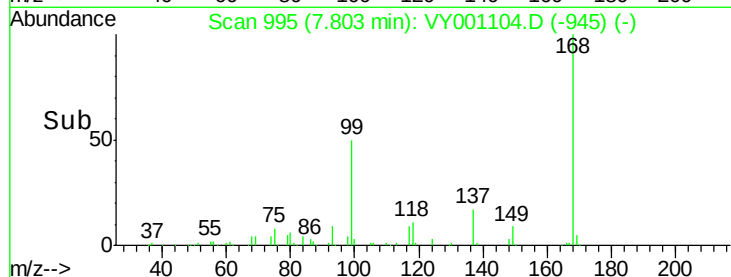
Ion Ratio Lower Upper

168 100

99 50.1 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001104.D (-945) (-)



#11

Tert butyl alcohol

Concen: 4.256 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY001104.D

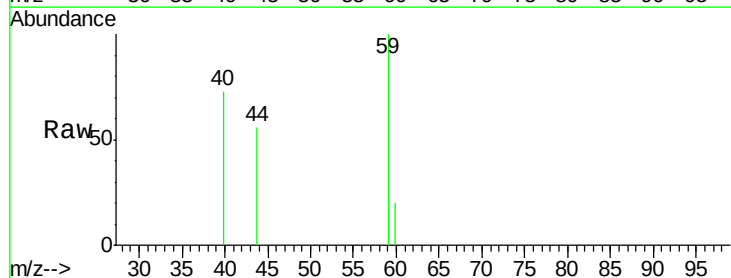
Acq: 27 Dec 2019 17:33

Tgt Ion: 59 Resp: 609

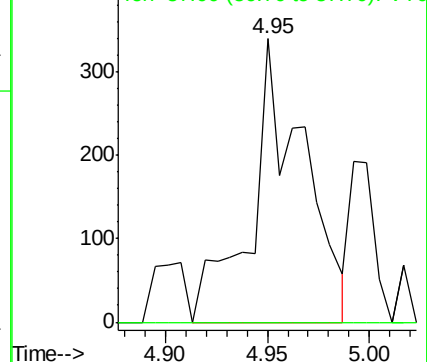
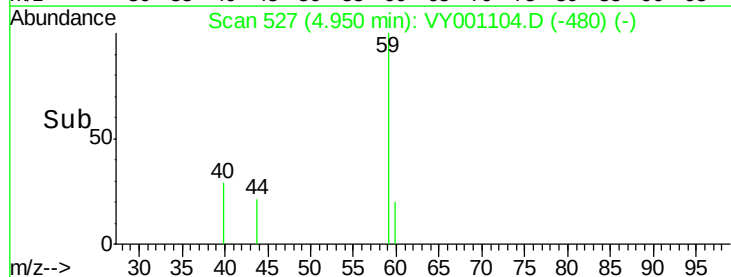
Ion Ratio Lower Upper

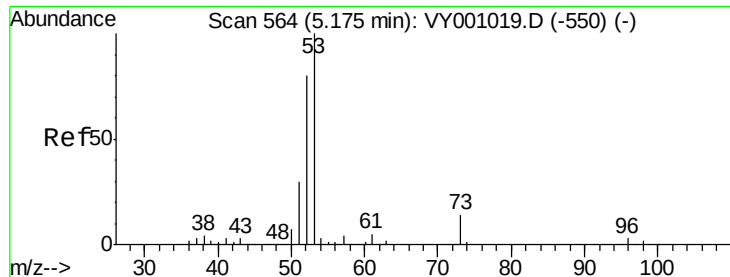
59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001104.D (-480) (-)





#15

Acrylonitrile

Concen: 1.157 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001104.D

Acq: 27 Dec 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-02

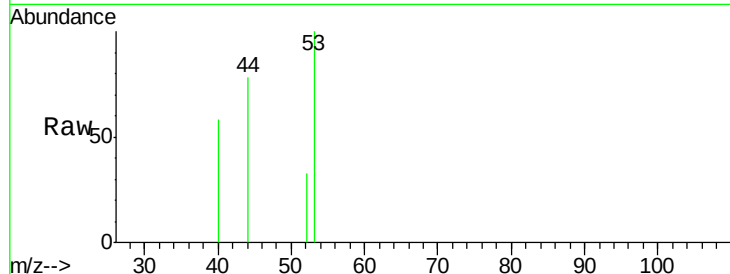
Tgt Ion: 53 Resp: 526

Ion Ratio Lower Upper

53 100

52 31.9 63.6 95.4#

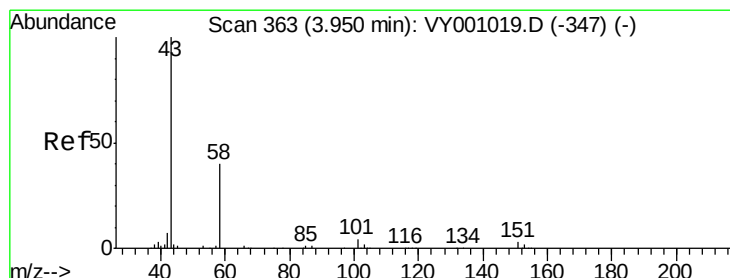
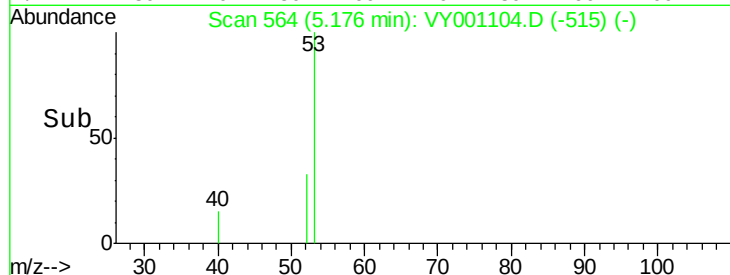
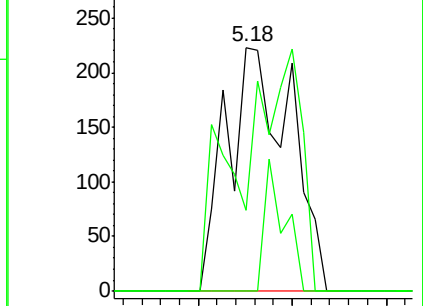
51 0.0 26.7 40.1#



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 17.426 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY001104.D

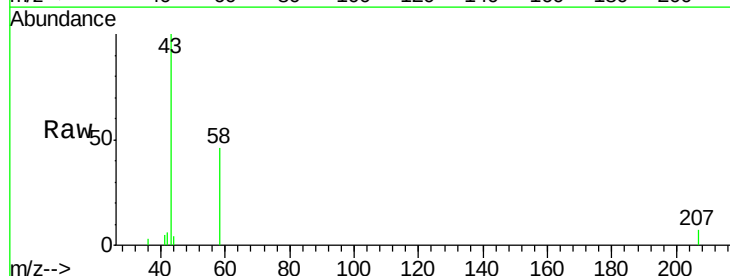
Acq: 27 Dec 2019 17:33

Tgt Ion: 43 Resp: 5224

Ion Ratio Lower Upper

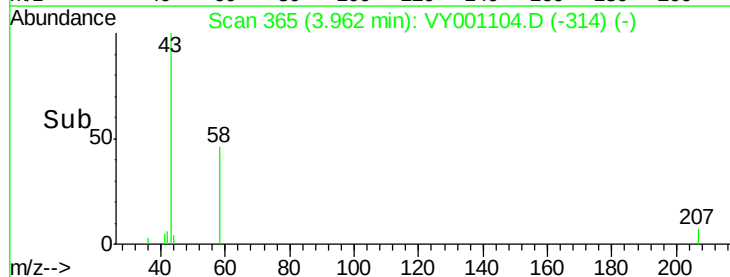
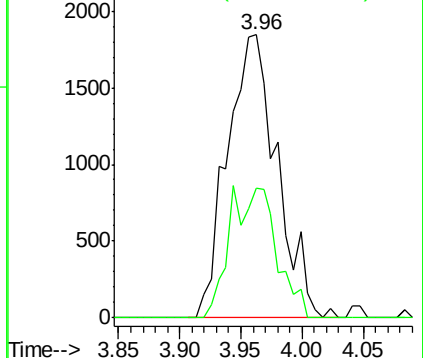
43 100

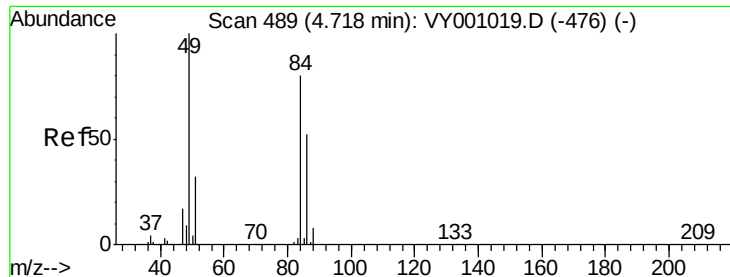
58 45.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

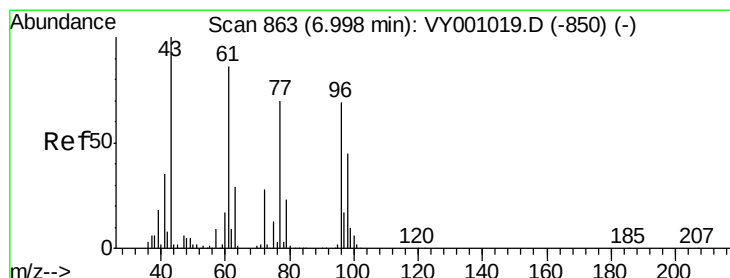
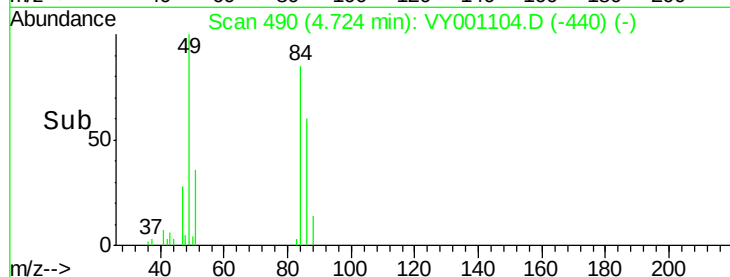
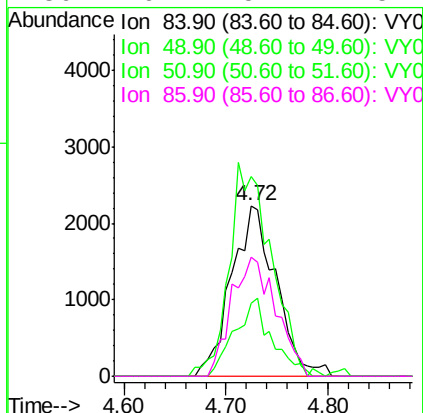
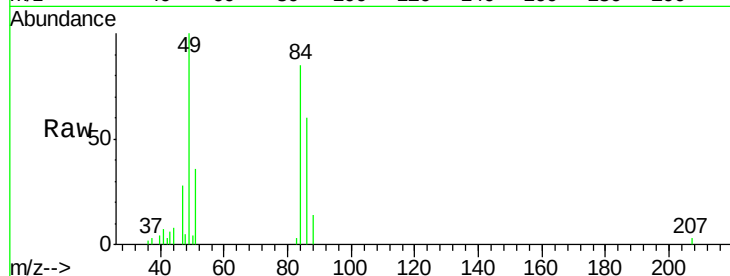




#20
Methylene Chloride
Concen: 3.823 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

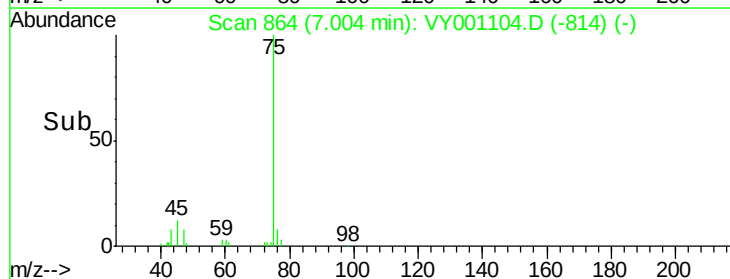
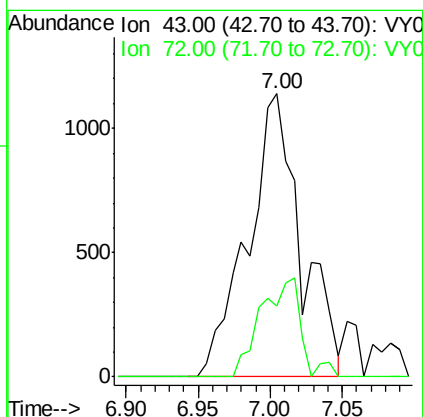
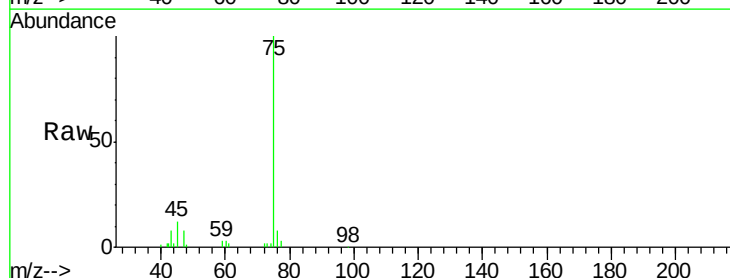
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-02

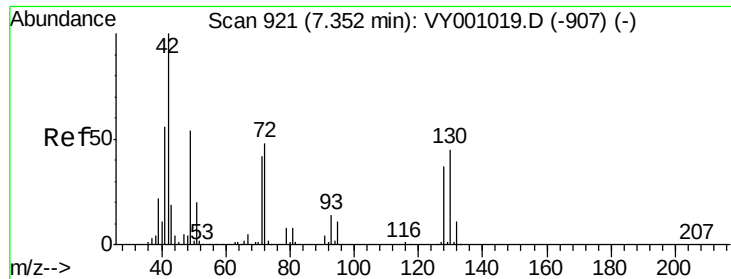
Tgt Ion: 84 Resp: 6746
Ion Ratio Lower Upper
84 100
49 117.2 99.8 149.6
51 42.5 31.4 47.2
86 70.1 52.2 78.2



#25
2-Butanone
Concen: 5.560 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

Tgt Ion: 43 Resp: 2928
Ion Ratio Lower Upper
43 100
72 25.1 22.4 33.6

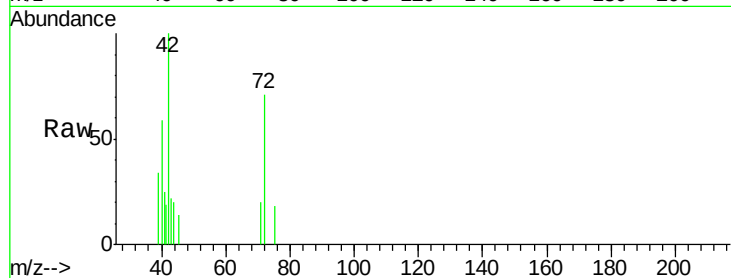




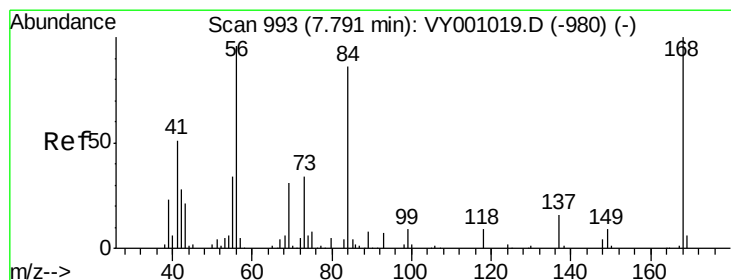
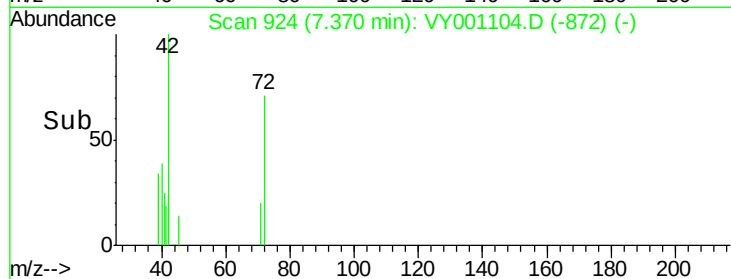
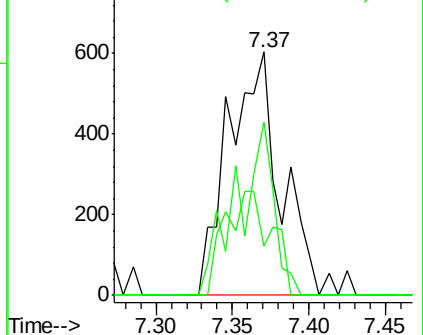
#29
Tetrahydrofuran
Concen: 3.833 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-02

Tgt Ion: 42 Resp: 1436
Ion Ratio Lower Upper
42 100
72 50.5 37.7 56.5
71 37.9 34.6 51.8

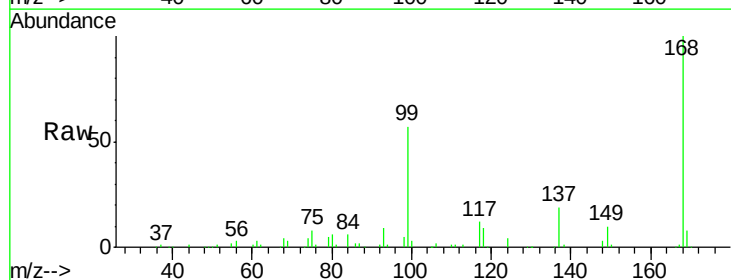


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

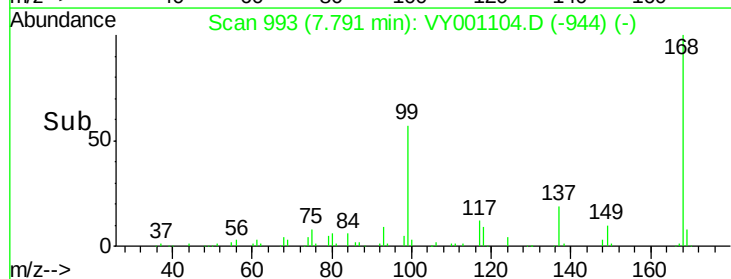
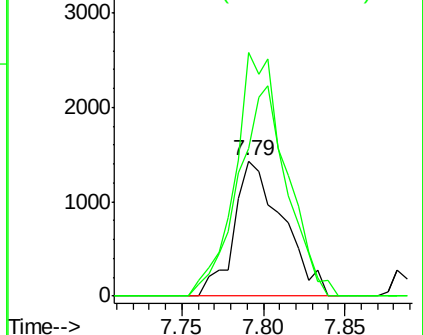


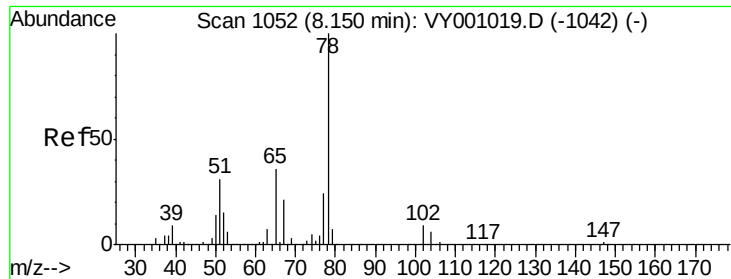
#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

Tgt Ion: 56 Resp: 2974
Ion Ratio Lower Upper
56 100
69 109.0 26.1 39.1#
84 179.7 71.8 107.8#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

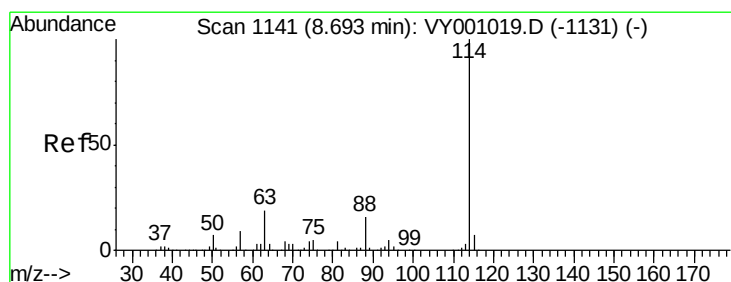
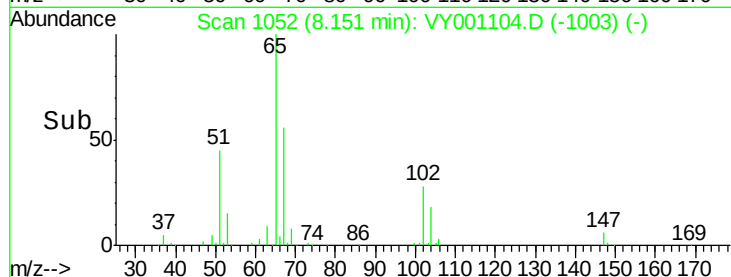
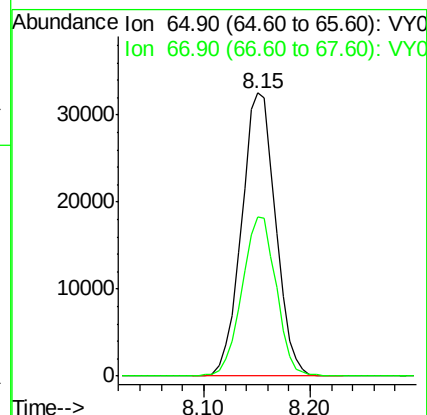
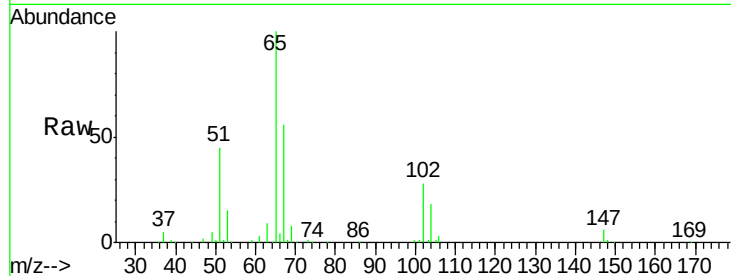




#33
 1,2-Dichloroethane-d4
 Concen: 56.055 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001104.D
 Acq: 27 Dec 2019 17:33

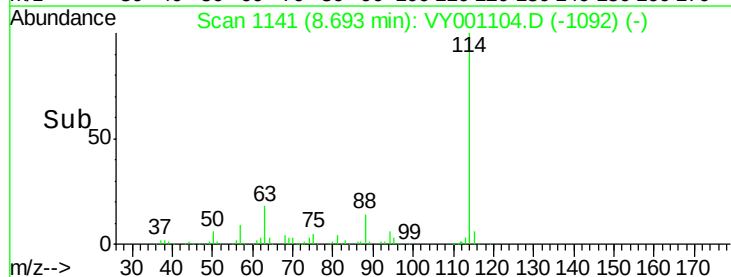
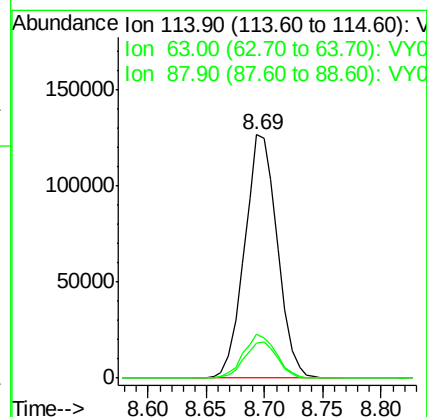
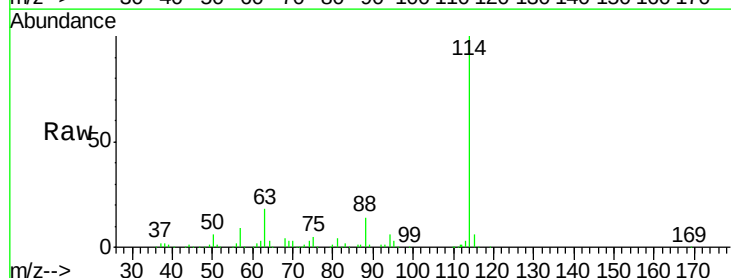
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF001-02

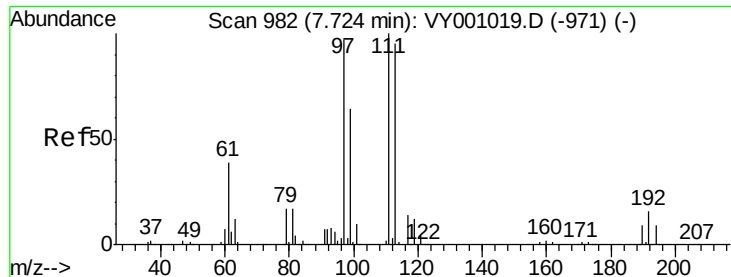
Tgt Ion: 65 Resp: 72944
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001104.D
 Acq: 27 Dec 2019 17:33

Tgt Ion: 114 Resp: 248550
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.0
 88 14.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.451 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001104.D

Acq: 27 Dec 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-02

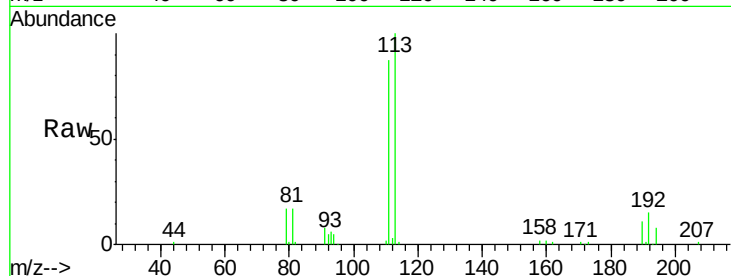
Tgt Ion:113 Resp: 72376

Ion Ratio Lower Upper

113 100

111 100.9 83.0 124.4

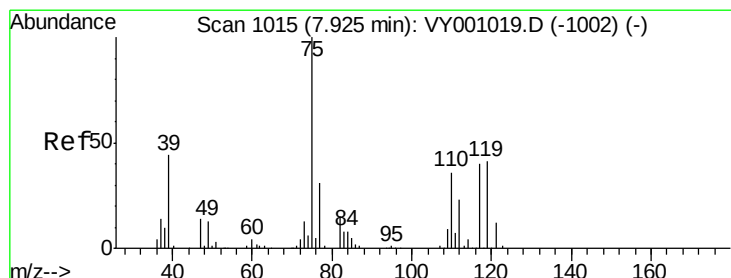
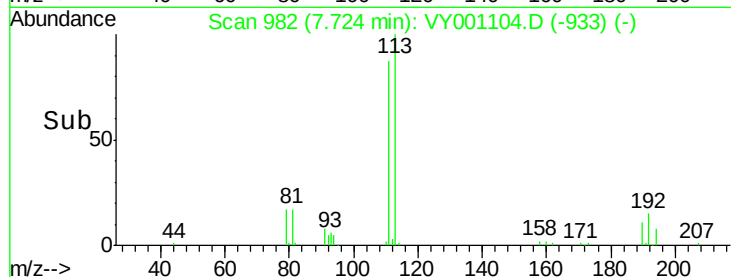
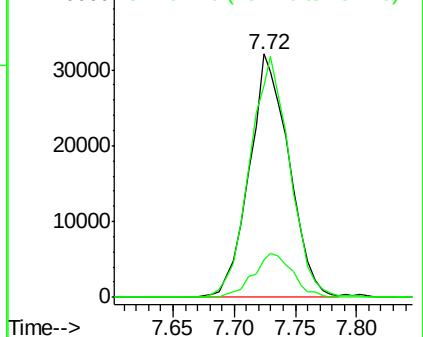
192 17.7 14.6 21.8



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: 4.453 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY001104.D

Acq: 27 Dec 2019 17:33

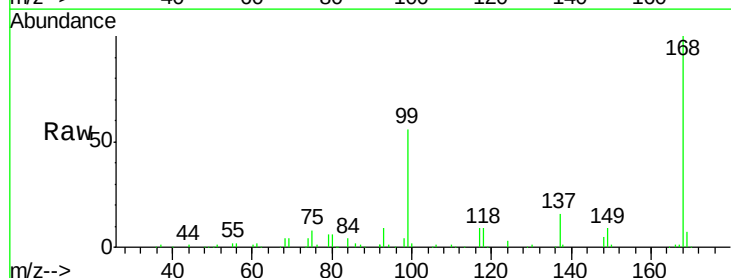
Tgt Ion: 75 Resp: 10558

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.4#

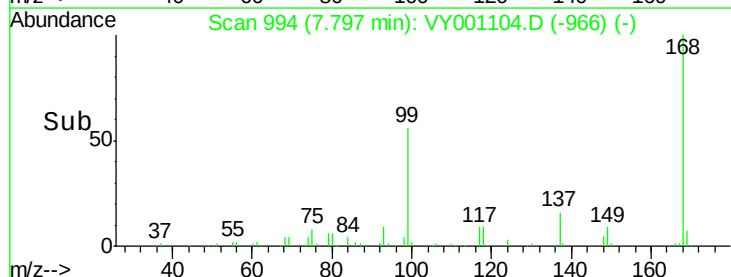
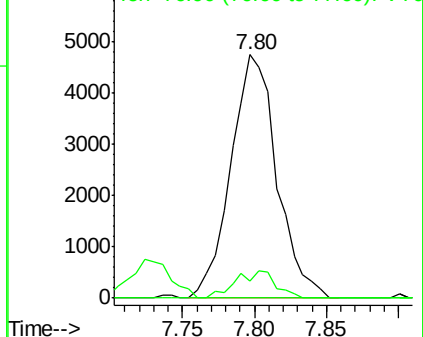
77 0.0 24.6 37.0#

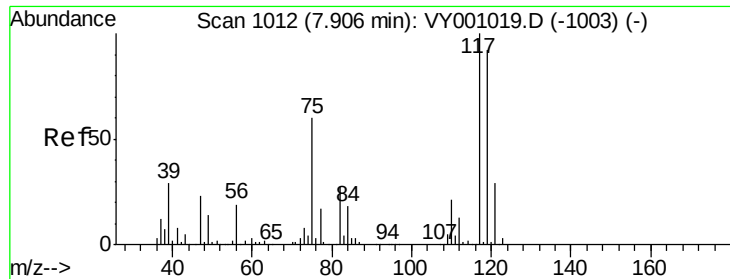


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY001104.D

Acq: 27 Dec 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-02

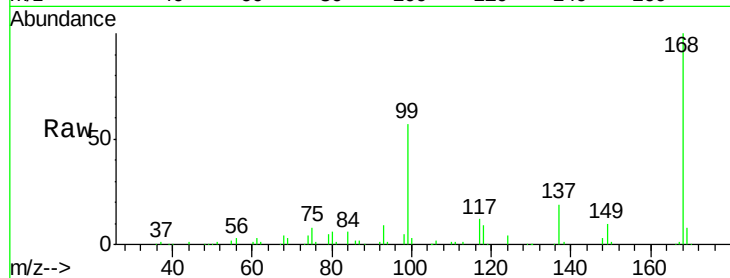
Tgt Ion: 117 Resp: 12558

Ion Ratio Lower Upper

117 100

119 3.0 74.2 111.2#

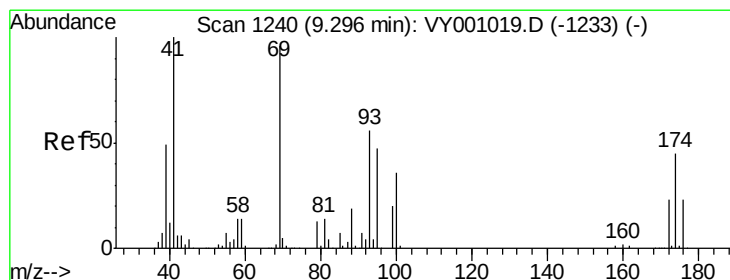
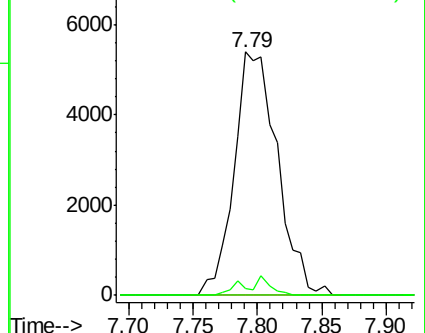
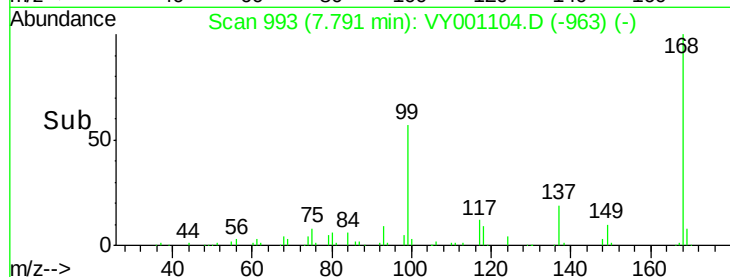
121 0.0 22.9 34.3#



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



#49

1,4-Dioxane

Concen: 9.754 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY001104.D

Acq: 27 Dec 2019 17:33

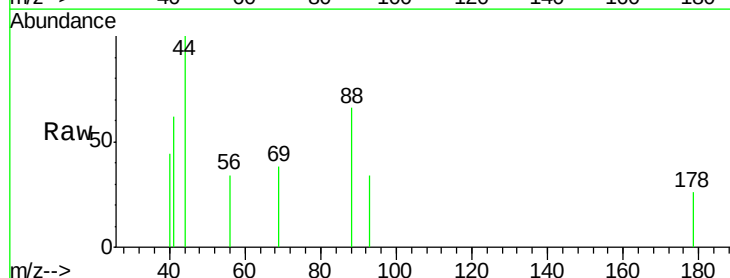
Tgt Ion: 88 Resp: 132

Ion Ratio Lower Upper

88 100

43 0.0 23.0 34.4#

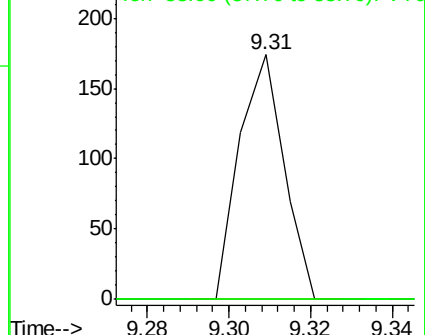
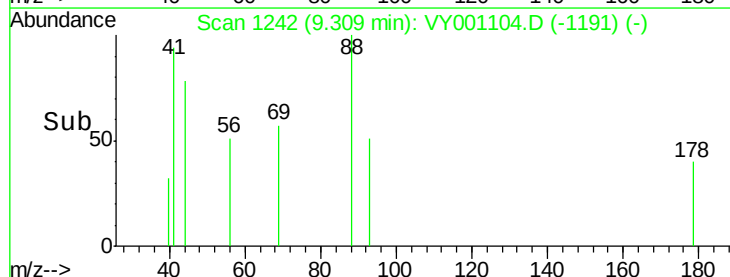
58 0.0 54.9 82.3#

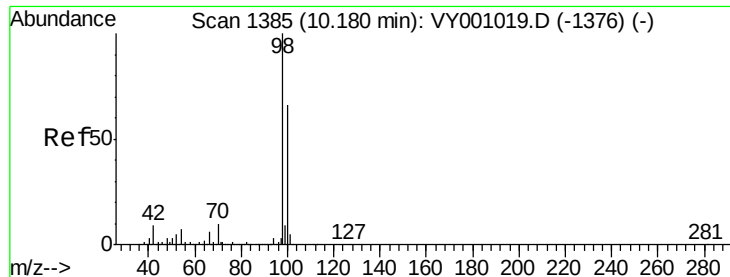


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

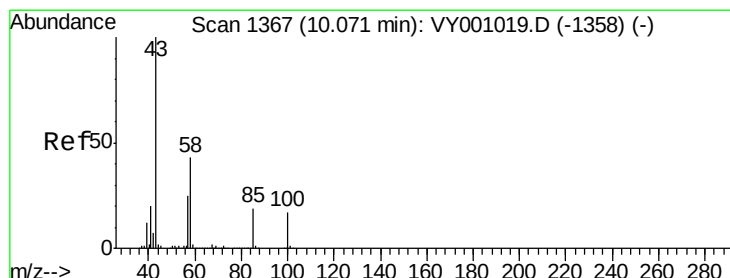
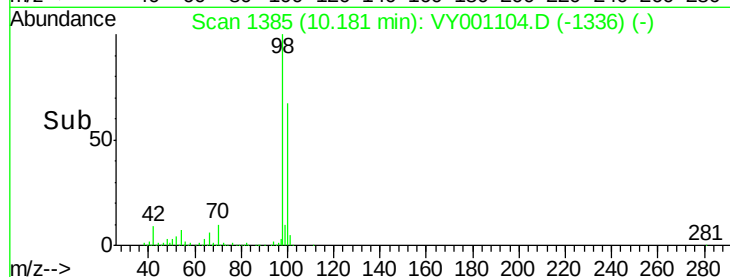
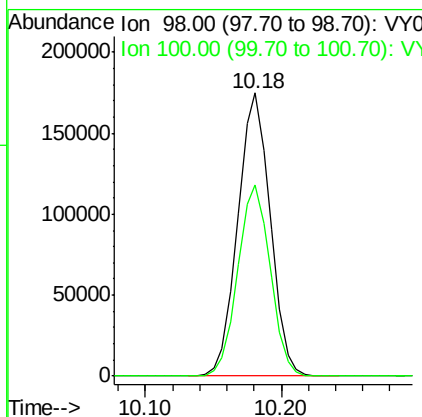
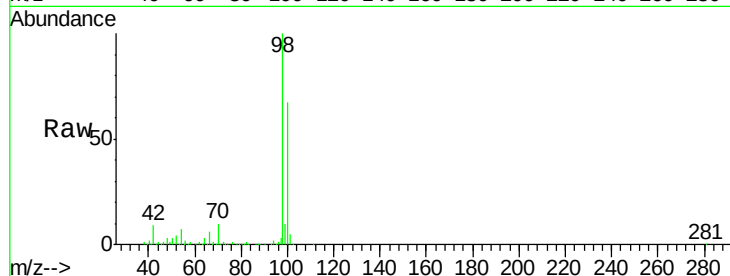




#50
Toluene-d8
Concen: 51.016 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

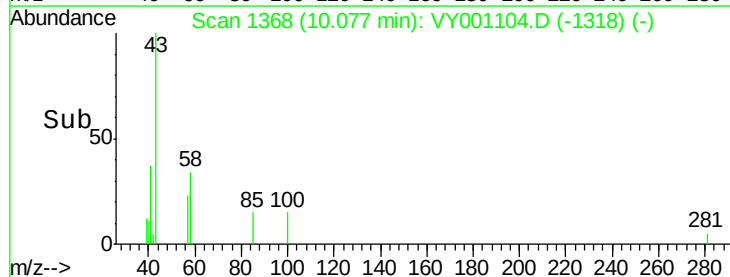
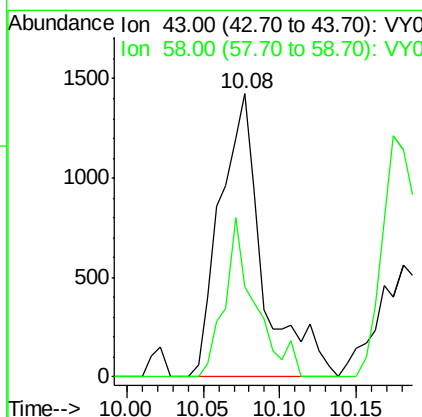
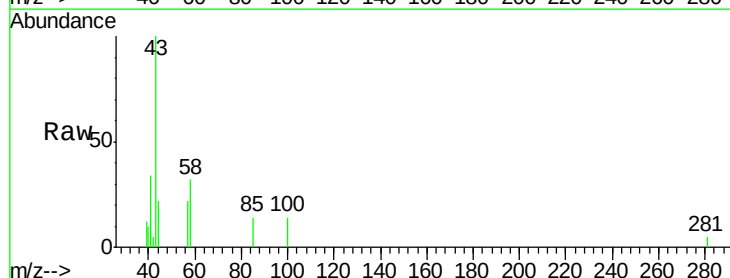
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-02

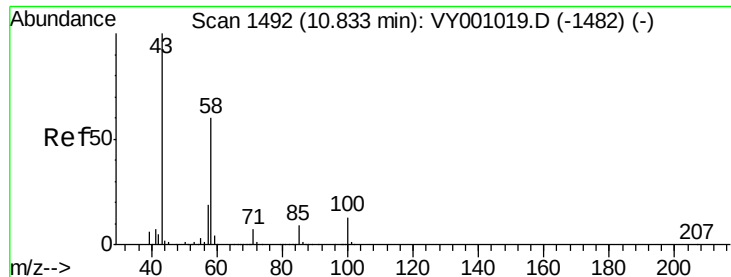
Tgt Ion: 98 Resp: 291796
Ion Ratio Lower Upper
98 100
100 67.4 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 2.187 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

Tgt Ion: 43 Resp: 2771
Ion Ratio Lower Upper
43 100
58 39.7 34.6 52.0

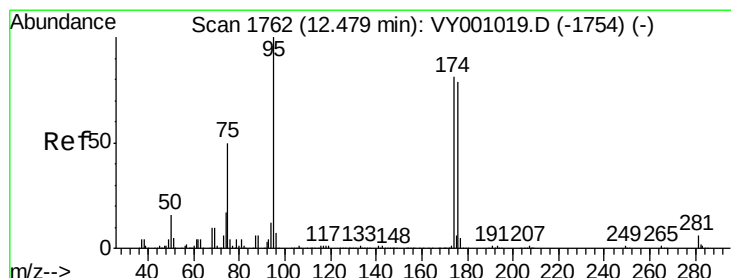
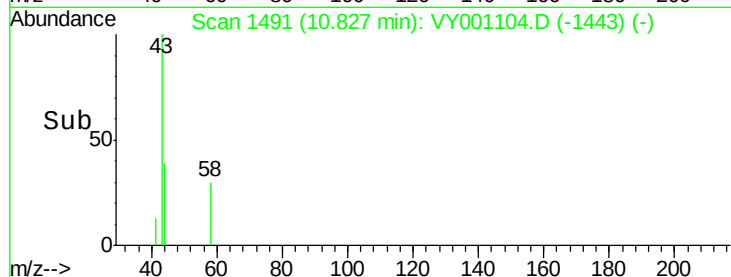
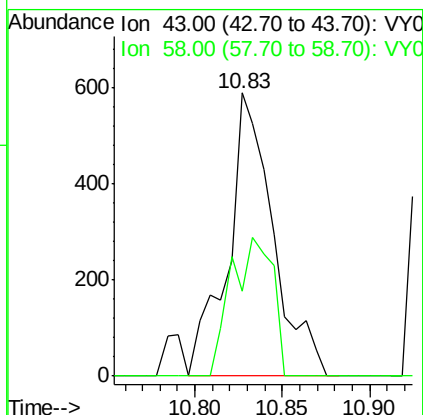
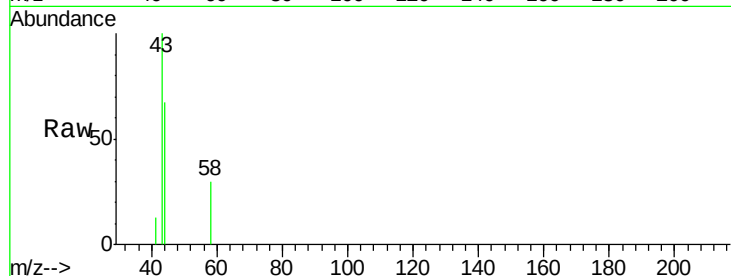




#59
2-Hexanone
Concen: 1.214 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

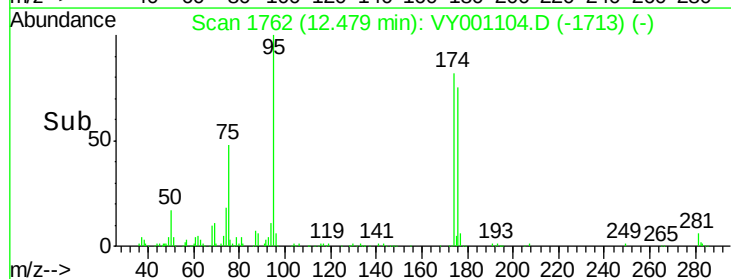
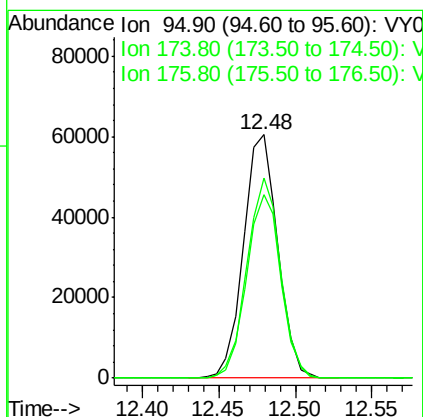
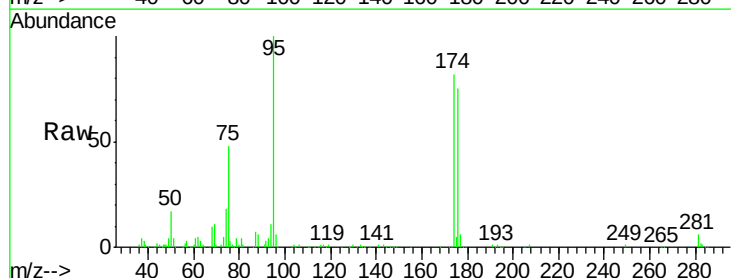
Instrument :
MSVOA_Y
ClientSampled :
LIED-BF001-02

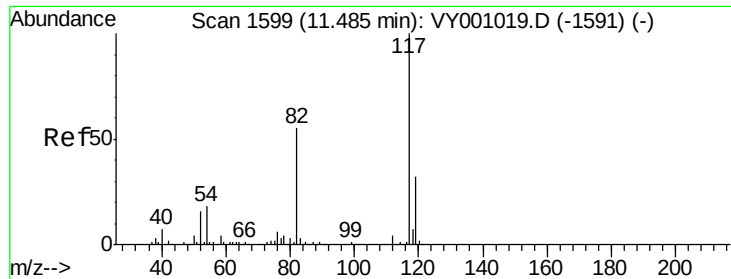
Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 44.5 30.6 91.6



#62
4-Bromofluorobenzene
Concen: 44.830 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

Tgt Ion: 95 Resp: 93750
Ion Ratio Lower Upper
95 100
174 80.6 0.0 156.4
176 76.0 0.0 155.0

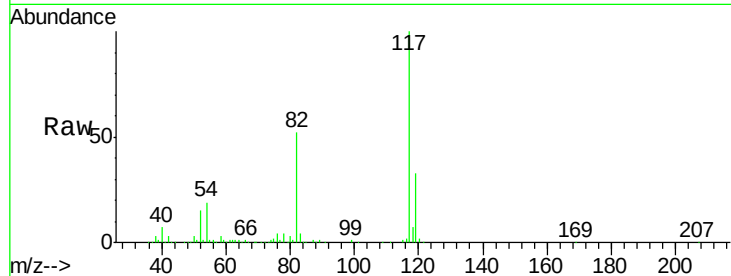




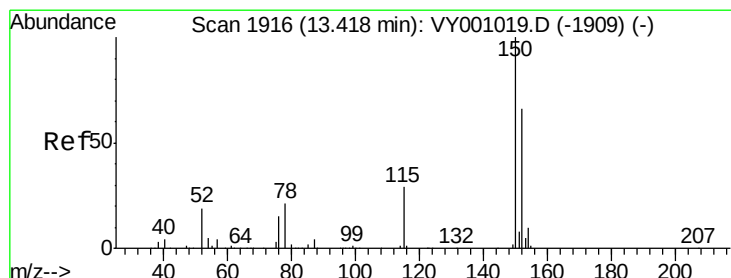
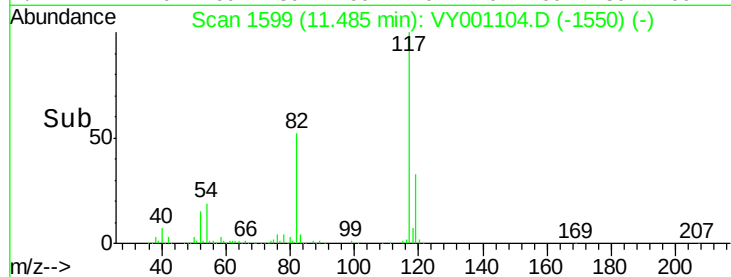
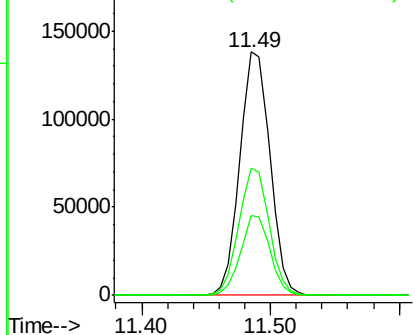
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF001-02

Tgt Ion:117 Resp: 224372
Ion Ratio Lower Upper
117 100
82 52.3 43.8 65.8
119 32.5 25.8 38.6

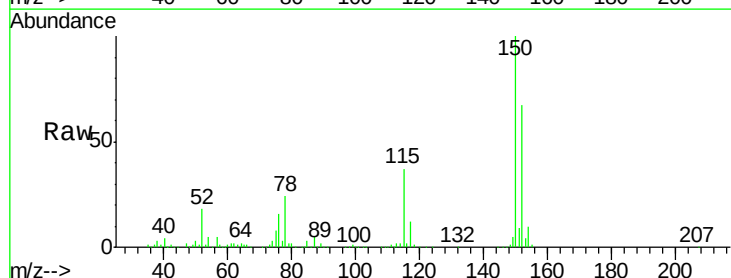


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

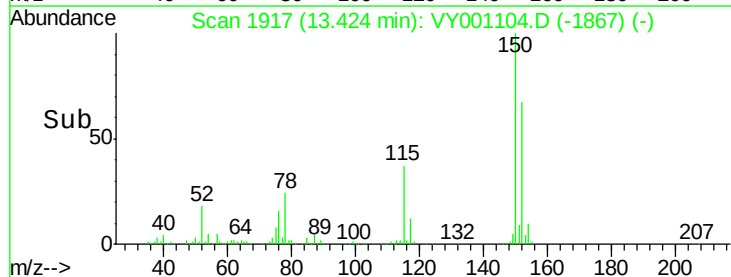
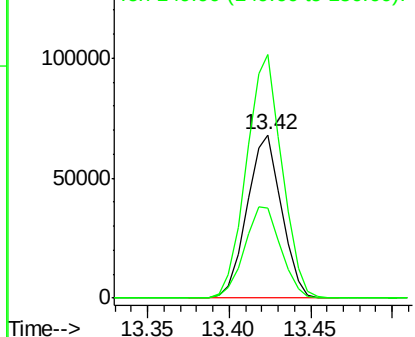


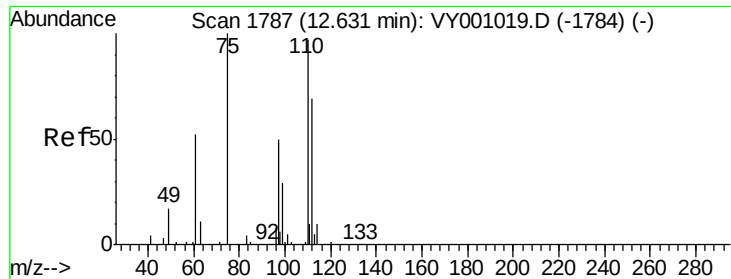
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001104.D
Acq: 27 Dec 2019 17:33

Tgt Ion:152 Resp: 100279
Ion Ratio Lower Upper
152 100
115 59.2 29.8 89.3
150 153.6 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: 37.236 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001104.D

Acq: 27 Dec 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

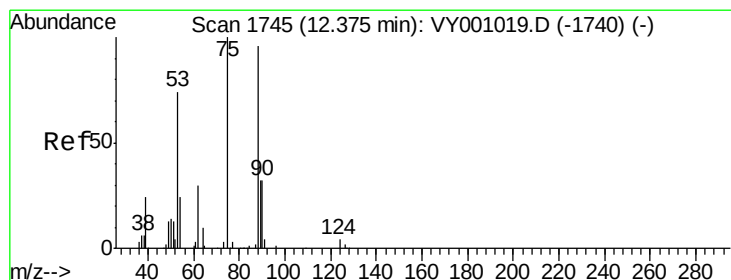
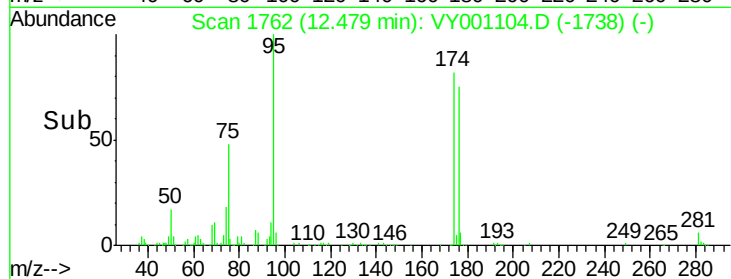
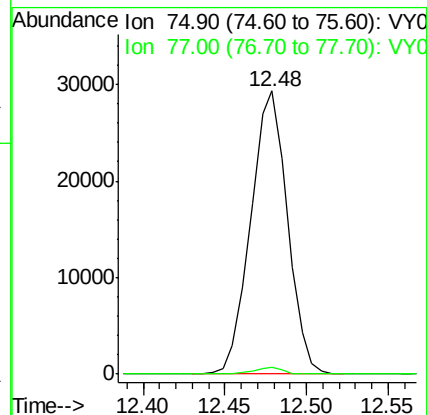
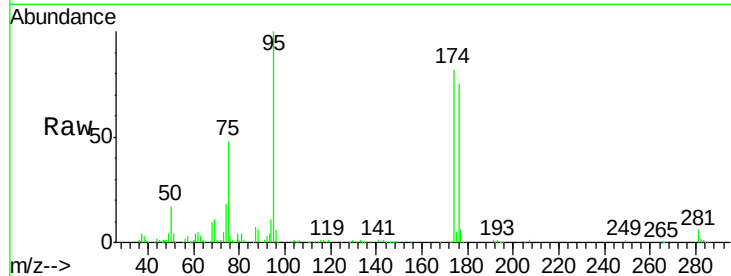
LIED-BF001-02

Tgt Ion: 75 Resp: 46033

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.417 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001104.D

Acq: 27 Dec 2019 17:33

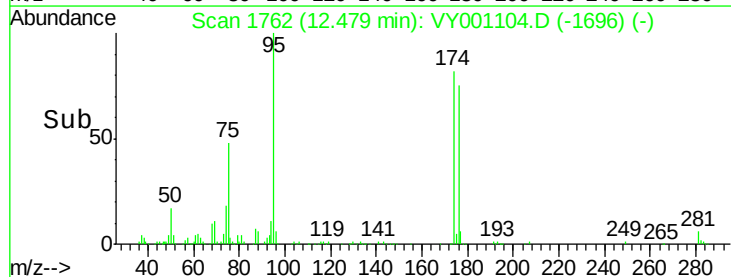
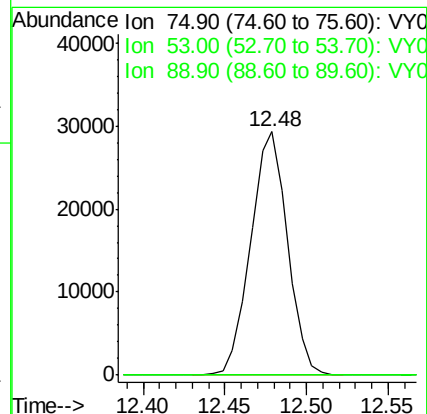
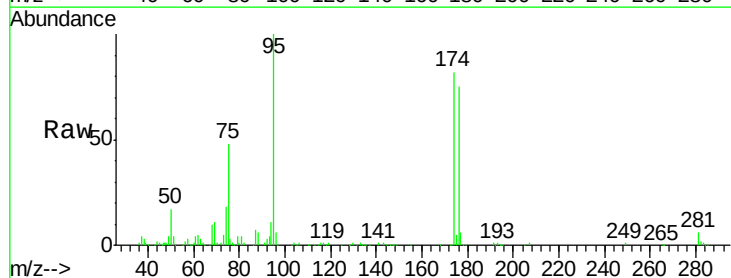
Tgt Ion: 75 Resp: 46033

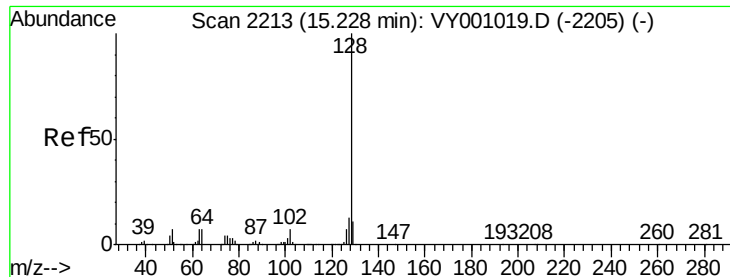
Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.1 35.4 53.0#





#95

Naphthalene

Concen: 1.045 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VY001104.D

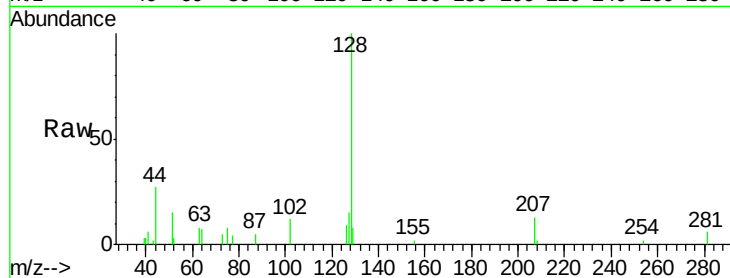
Acq: 27 Dec 2019 17:33

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF001-02



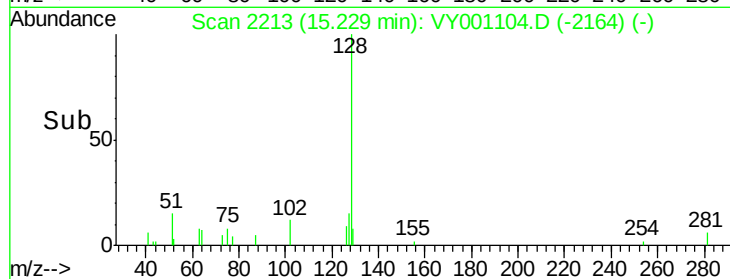
Tgt Ion:128 Resp: 5130

Ion Ratio Lower Upper

128 100

127 13.4 9.9 14.9

129 11.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

