

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001099.D
 Acq On : 27 Dec 2019 15:44
 Operator : SY/MD
 Sample : K6439-12
 Misc : 6.32G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF009-01

Quant Time: Dec 28 04:03:17 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

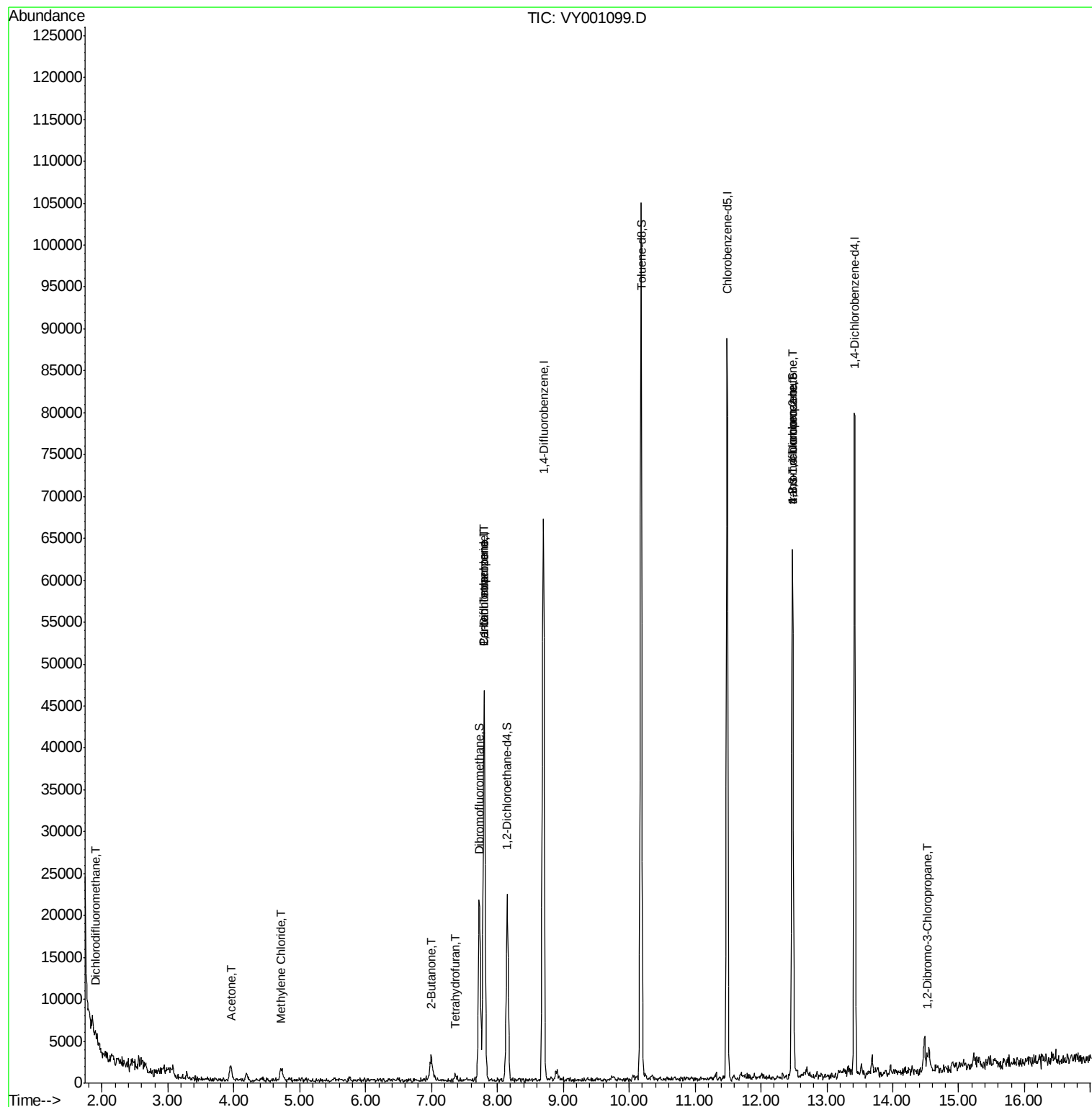
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	34901	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	60424	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	47732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	20549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	14926	43.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.72%	
35) Dibromofluoromethane	7.73	113	15647	43.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.96%	
50) Toluene-d8	10.18	98	71685	51.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.47	95	19611	38.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	947	3.114	ug/l	77
16) Acetone	3.96	43	2535	31.968	ug/l	98
20) Methylene Chloride	4.71	84	1356	2.905	ug/l #	42
25) 2-Butanone	6.99	43	365	2.620	ug/l #	47
29) Tetrahydrofuran	7.36	42	651	6.570	ug/l #	31
36) 1,1-Dichloropropene	7.80	75	2418	4.195	ug/l #	47
38) Carbon Tetrachloride	7.80	117	3473	6.877	ug/l #	18
76) 1,2,3-Trichloropropane	12.47	75	9965	39.336	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	9965	83.896	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	14.53	75	147	2.805	ug/l #	35

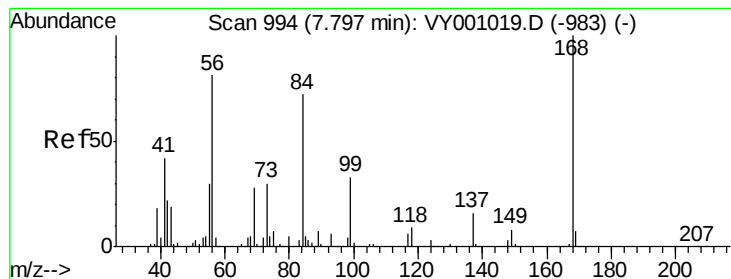
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
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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# 994

Delta R.T. 0.00 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Instrument :

MSVOA_Y

ClientSampleId :

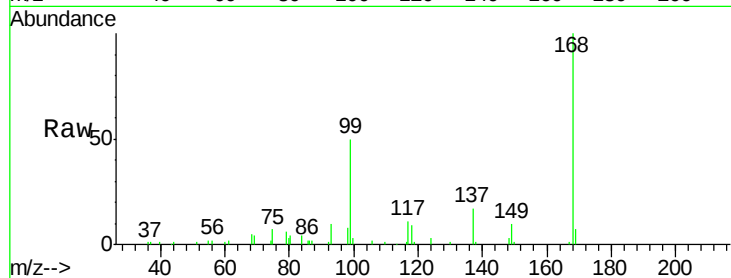
LIED-BF009-01

Tgt Ion:168 Resp: 34901

Ion Ratio Lower Upper

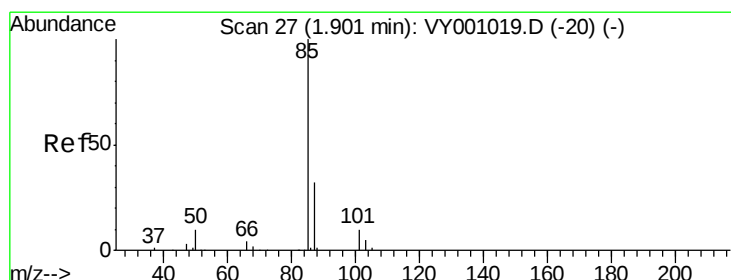
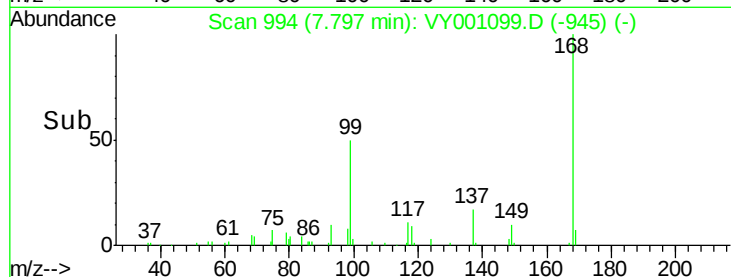
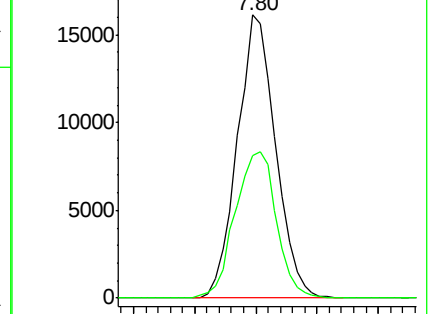
168 100

99 50.2 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) (-)



#2

Dichlorodifluoromethane

Concen: 3.114 ug/l

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY001099.D

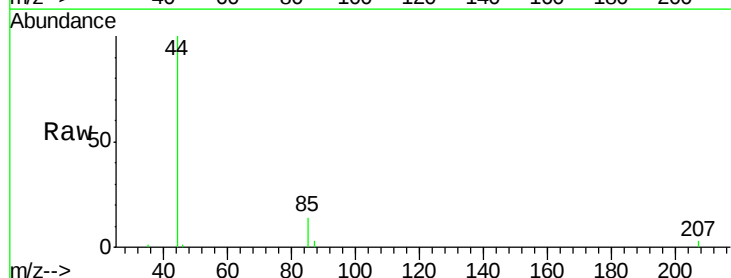
Acq: 27 Dec 2019 15:44

Tgt Ion: 85 Resp: 947

Ion Ratio Lower Upper

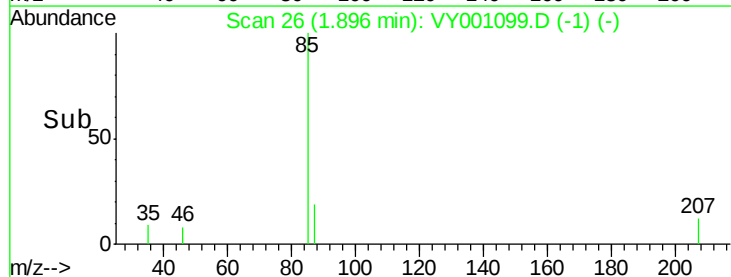
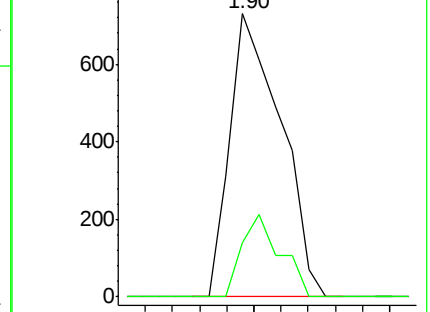
85 100

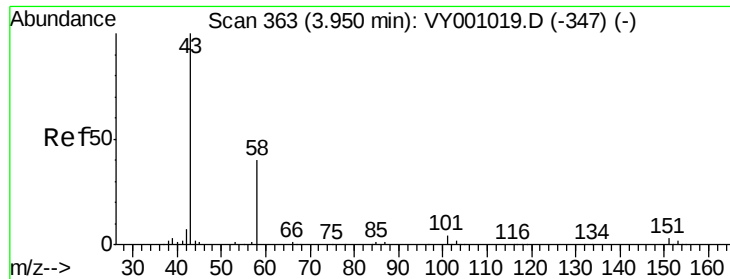
87 19.0 15.9 47.7



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

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





#16

Acetone

Concen: 31.968 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Instrument :

MSVOA_Y

ClientSampleId :

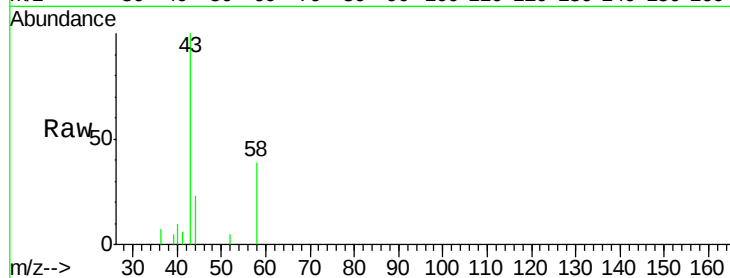
LIED-BF009-01

Tgt Ion: 43 Resp: 2535

Ion Ratio Lower Upper

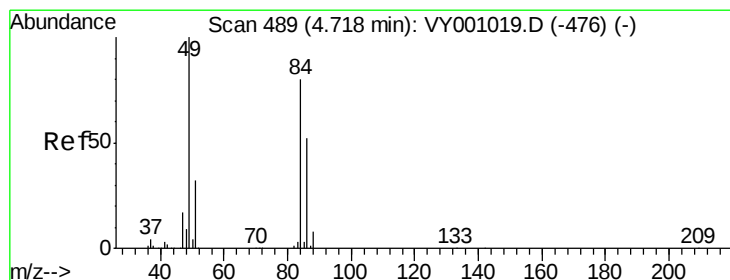
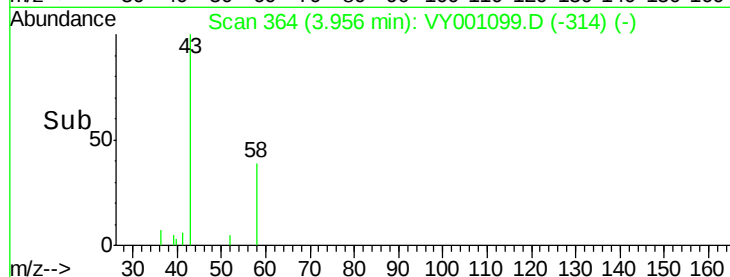
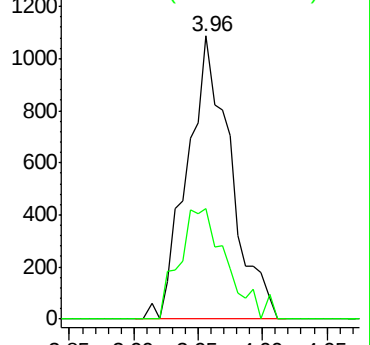
43 100

58 38.8 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: 2.905 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Tgt Ion: 84 Resp: 1356

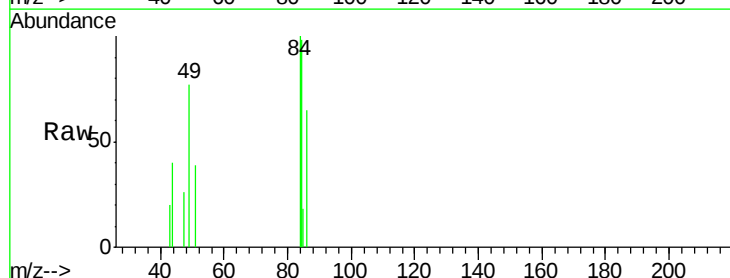
Ion Ratio Lower Upper

84 100

49 38.7 99.8 149.6#

51 19.8 31.4 47.2#

86 33.0 52.2 78.2#

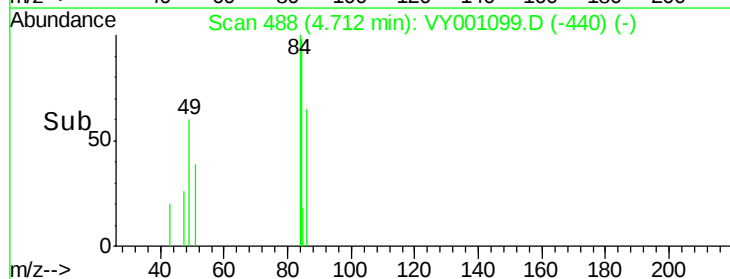
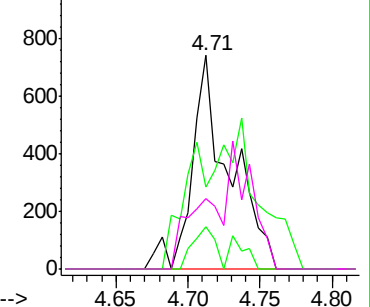


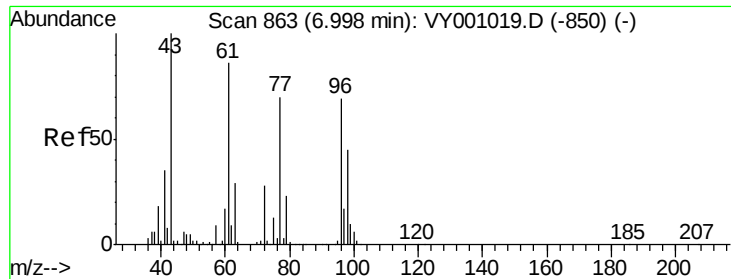
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#25

2-Butanone

Concen: 2.620 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Instrument :

MSVOA_Y

ClientSampled :

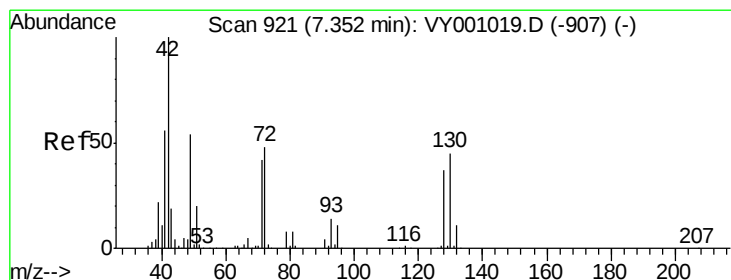
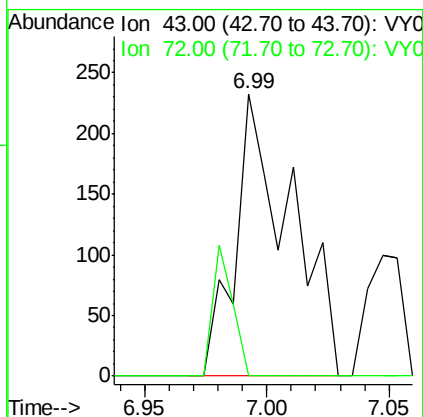
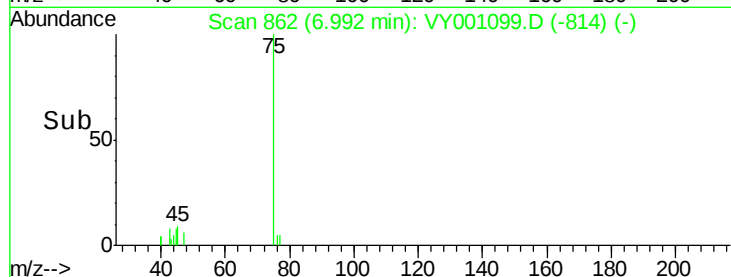
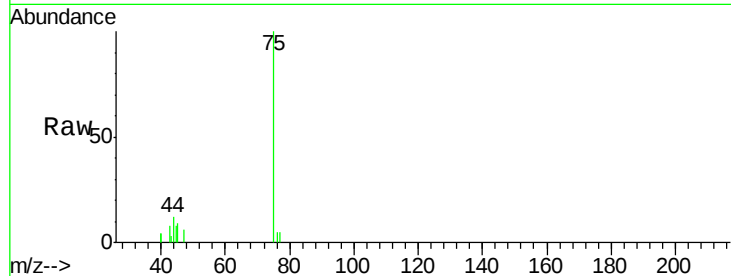
LIED-BF009-01

Tgt Ion: 43 Resp: 365

Ion Ratio Lower Upper

43 100

72 0.0 22.4 33.6#



#29

Tetrahydrofuran

Concen: 6.570 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

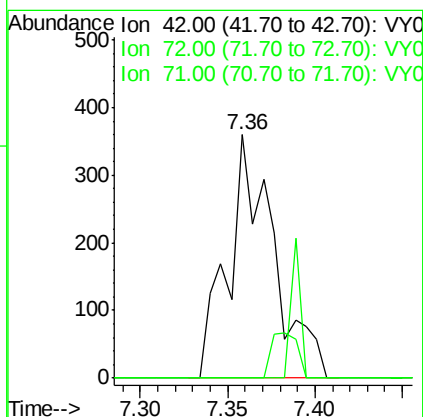
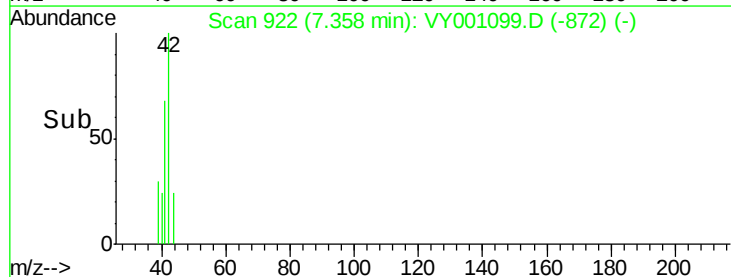
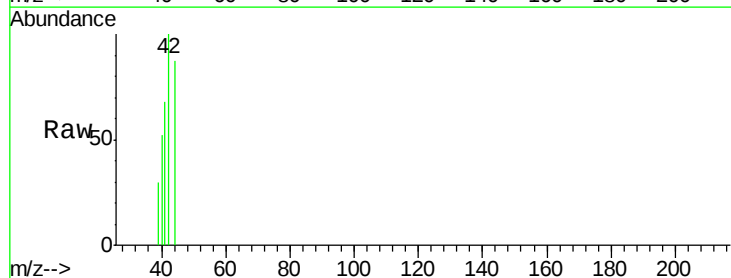
Tgt Ion: 42 Resp: 651

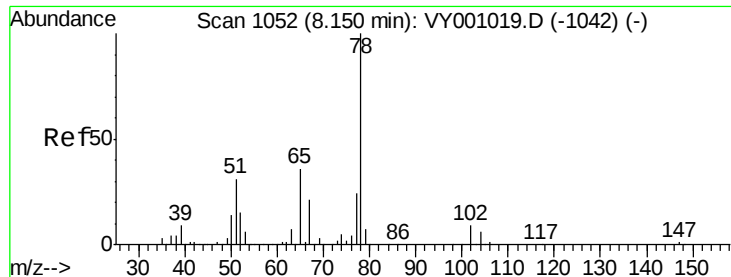
Ion Ratio Lower Upper

42 100

72 0.0 37.7 56.5#

71 0.0 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 43.362 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Instrument :

MSVOA_Y

ClientSampleId :

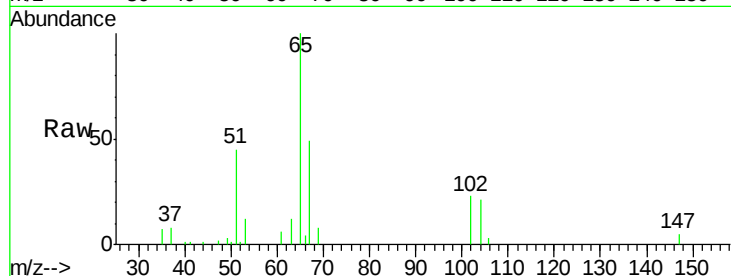
LIED-BF009-01

Tgt Ion: 65 Resp: 14926

Ion Ratio Lower Upper

65 100

67 61.6 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY001099.D (-1003) (-)

Ion 66.90 (66.60 to 67.60): VY001099.D (-1003) (-)

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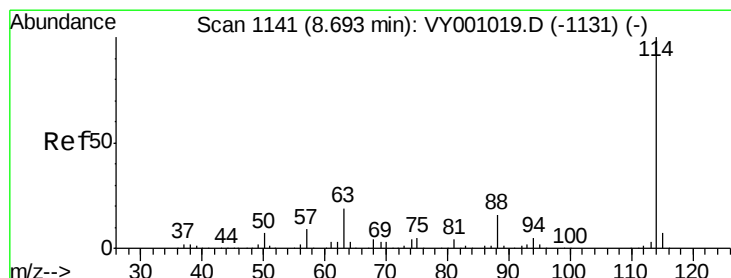
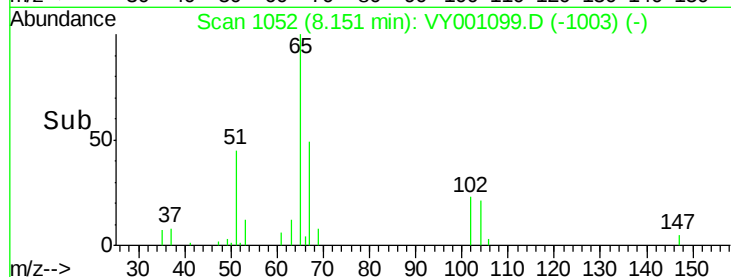
8.15

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

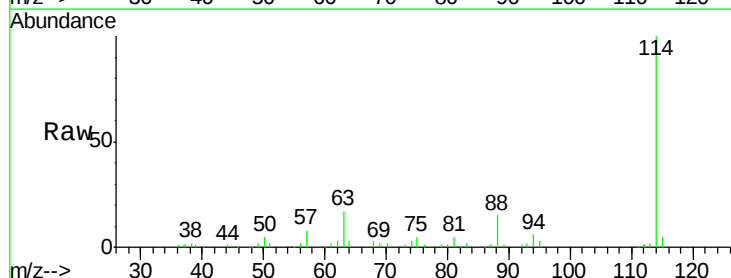
Tgt Ion: 114 Resp: 60424

Ion Ratio Lower Upper

114 100

63 16.6 0.0 37.0

88 15.2 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VY001099.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY001099.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY001099.D (-1092) (-)

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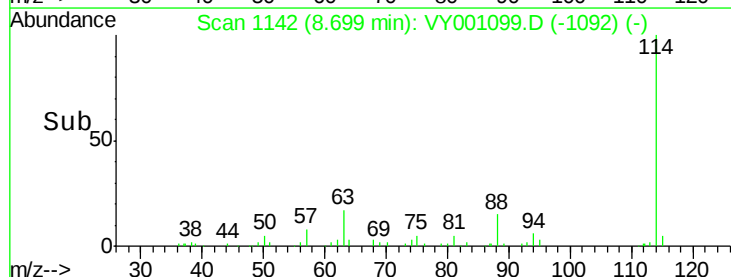
8.70

8.70

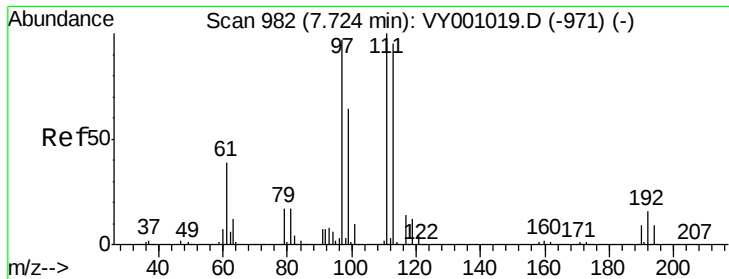
8.70

8.70

8.70



Time-->



#35

Dibromofluoromethane

Concen: 43.976 ug/l

RT: 7.73 min Scan# 983

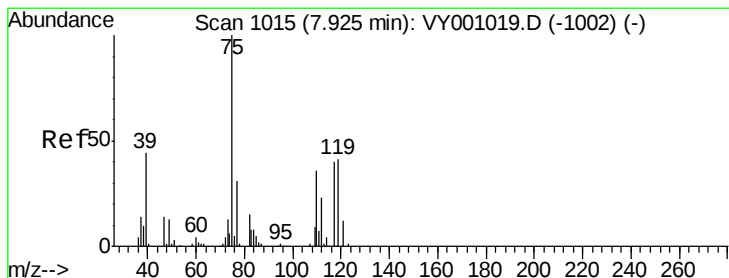
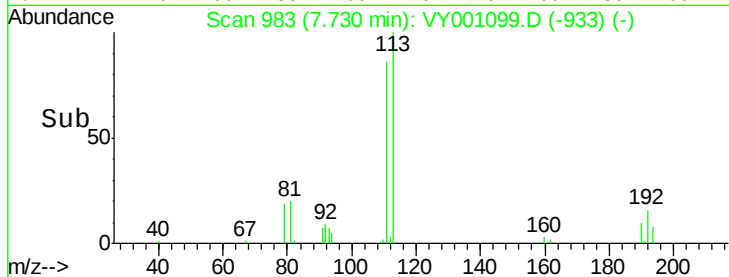
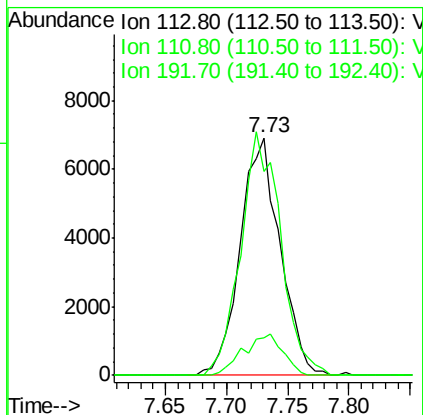
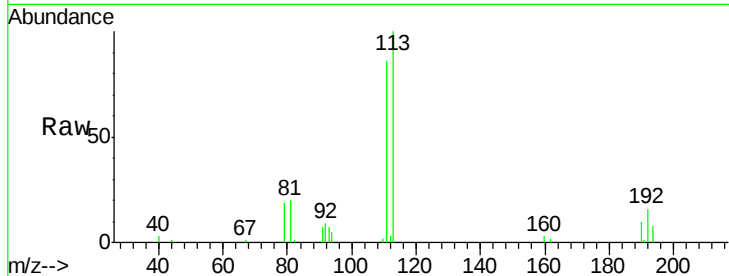
Delta R.T. 0.01 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF009-01

Tgt Ion:	113	Resp:	15647
Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.4
192	17.1	14.6	21.8



#36

1,1-Dichloropropene

Concen: 4.195 ug/l

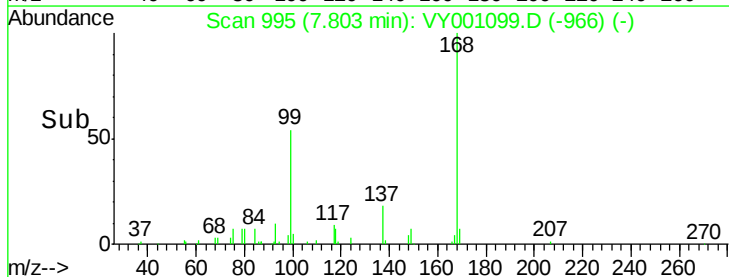
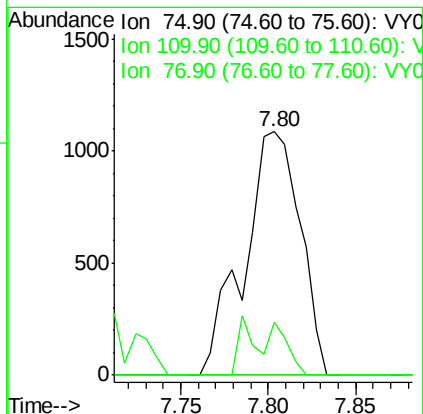
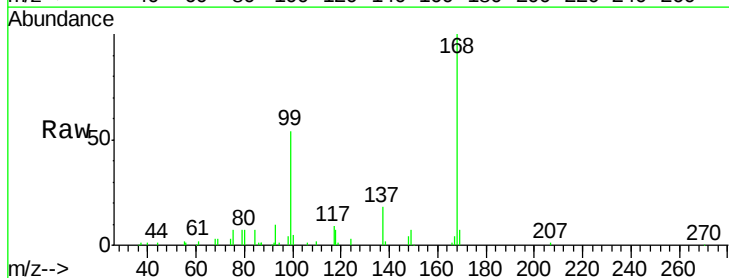
RT: 7.80 min Scan# 995

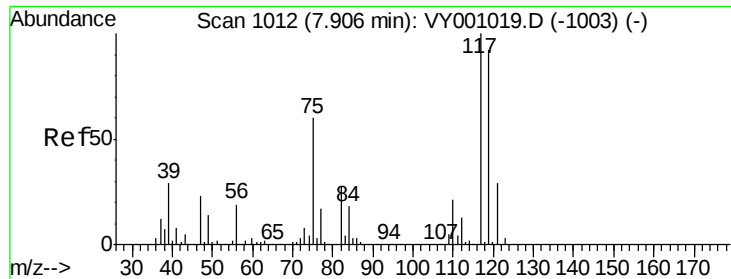
Delta R.T. -0.12 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Tgt Ion:	75	Resp:	2418
Ion	Ratio	Lower	Upper
75	100		
110	7.0	18.1	54.4#
77	0.0	24.6	37.0#

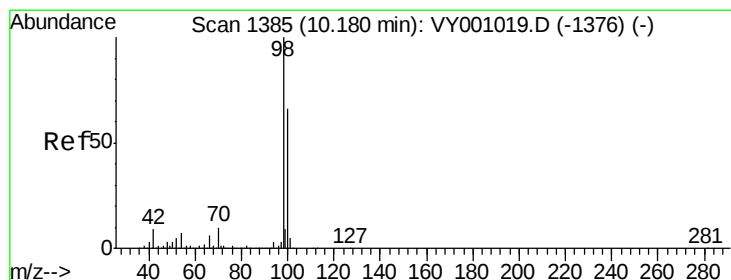
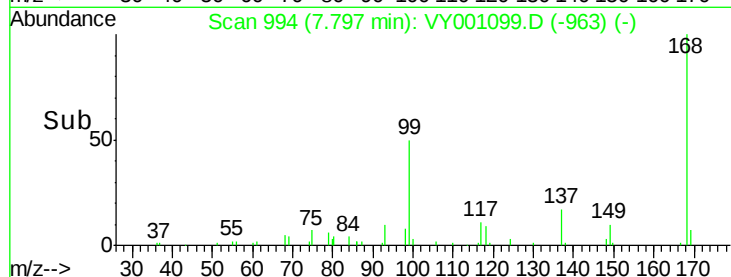
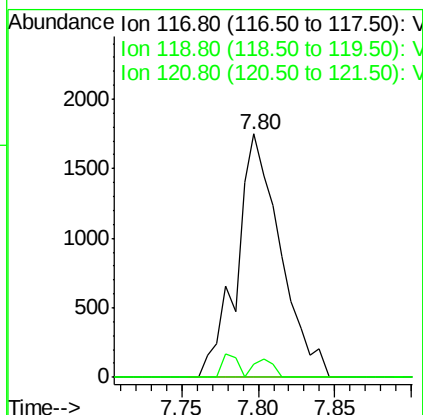
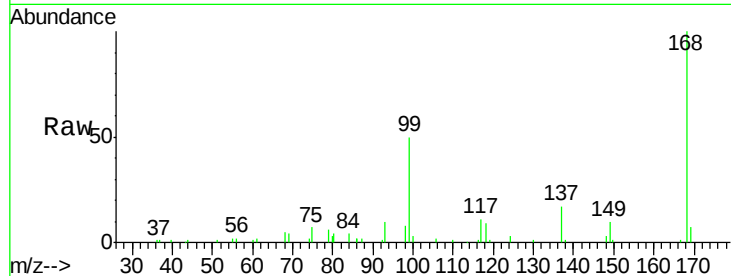




#38
Carbon Tetrachloride
Concen: 6.877 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001099.D
Acq: 27 Dec 2019 15:44

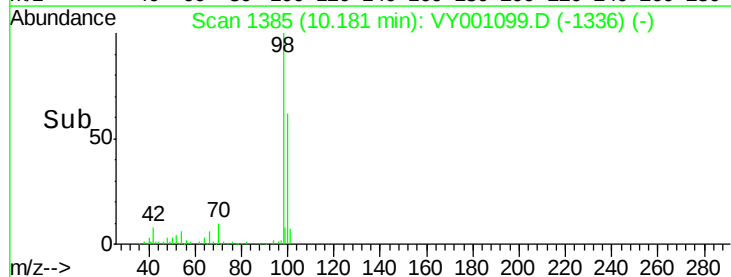
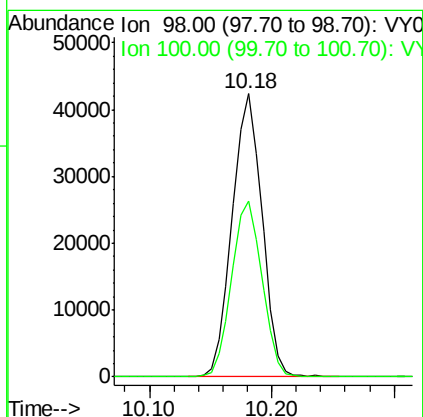
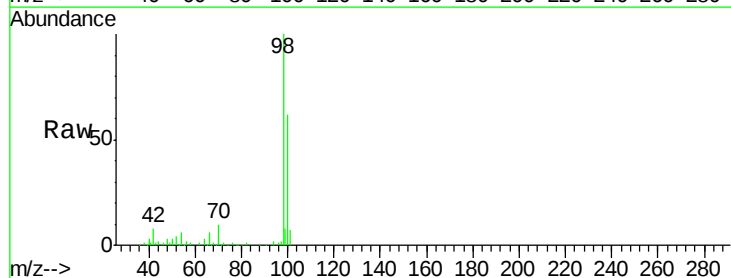
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF009-01

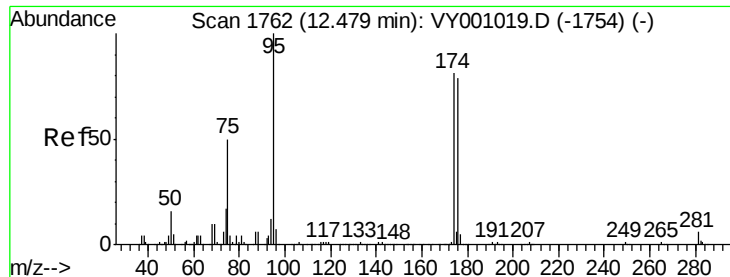
Tgt Ion:117 Resp: 3473
Ion Ratio Lower Upper
117 100
119 5.4 74.2 111.2#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 51.553 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001099.D
Acq: 27 Dec 2019 15:44

Tgt Ion: 98 Resp: 71685
Ion Ratio Lower Upper
98 100
100 63.2 53.0 79.4

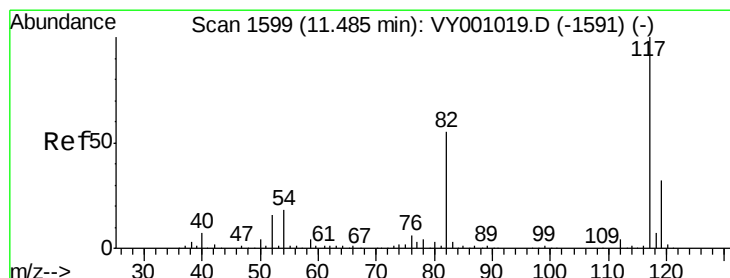
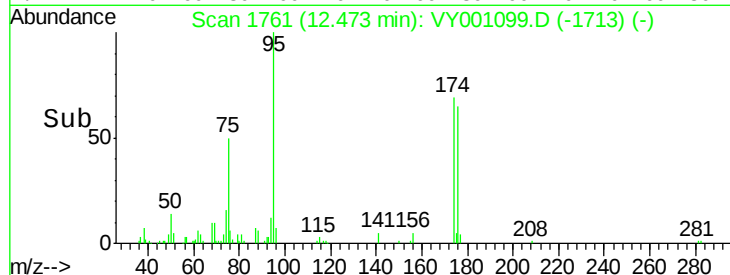
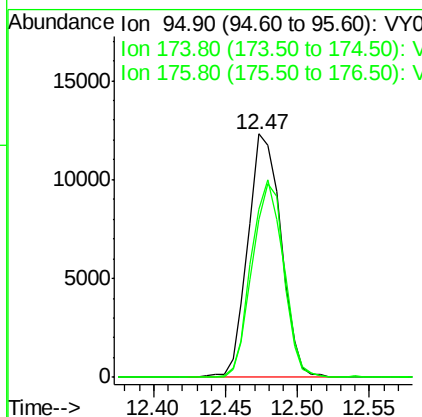
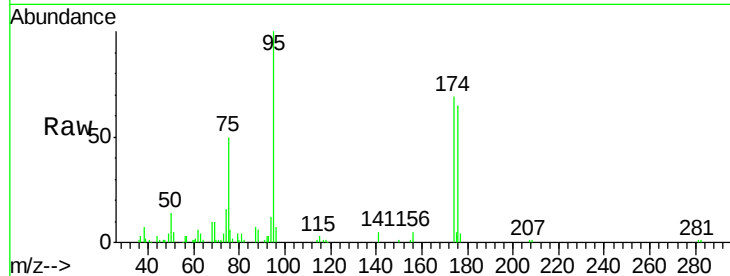




#62
4-Bromofluorobenzene
Concen: 38.575 ug/l
RT: 12.47 min Scan# 1761
Delta R.T. -0.01 min
Lab File: VY001099.D
Acq: 27 Dec 2019 15:44

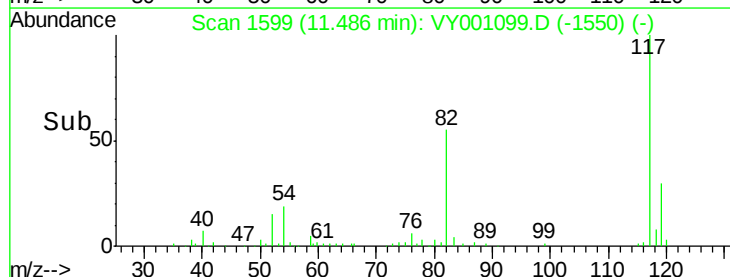
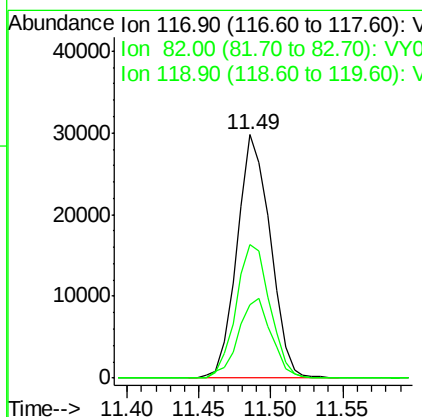
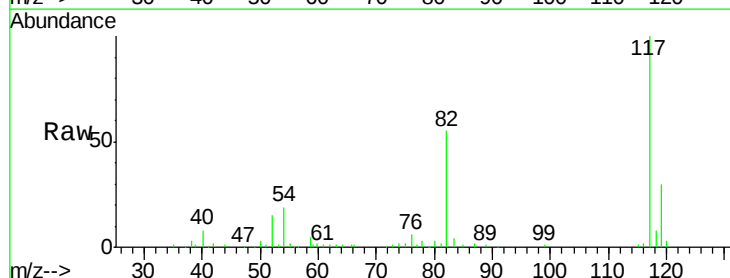
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF009-01

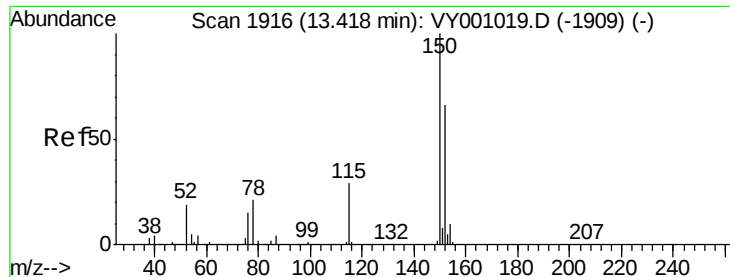
Tgt Ion: 95 Resp: 19611
Ion Ratio Lower Upper
95 100
174 79.2 0.0 156.4
176 76.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001099.D
Acq: 27 Dec 2019 15:44

Tgt Ion: 117 Resp: 47732
Ion Ratio Lower Upper
117 100
82 54.9 43.8 65.8
119 30.1 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF009-01

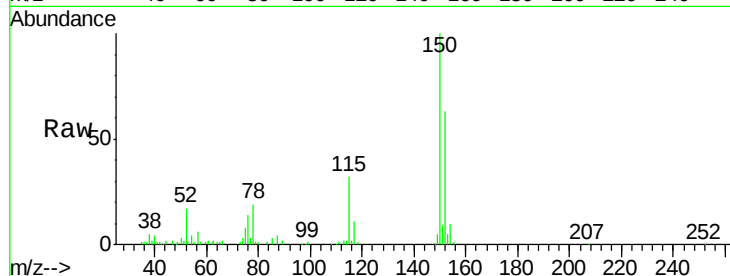
Tgt Ion:152 Resp: 20549

Ion Ratio Lower Upper

152 100

115 54.7 29.8 89.3

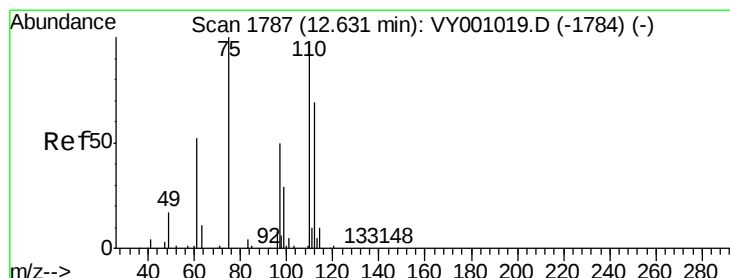
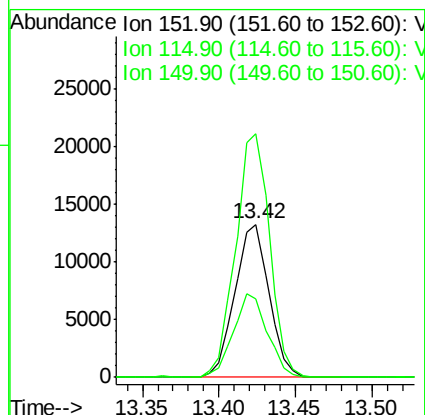
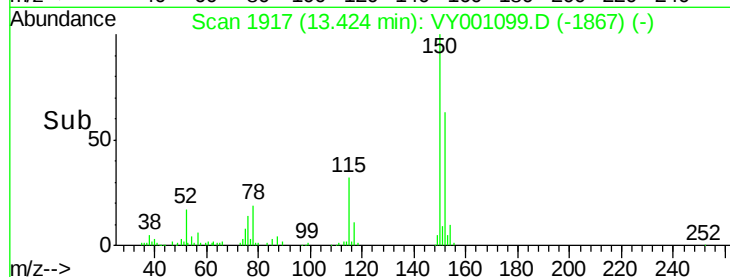
150 157.9 0.0 352.6



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: 39.336 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.16 min

Lab File: VY001099.D

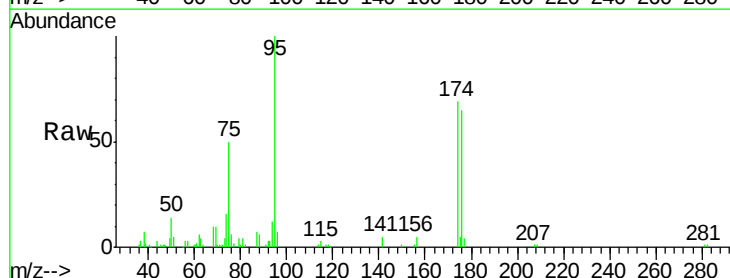
Acq: 27 Dec 2019 15:44

Tgt Ion: 75 Resp: 9965

Ion Ratio Lower Upper

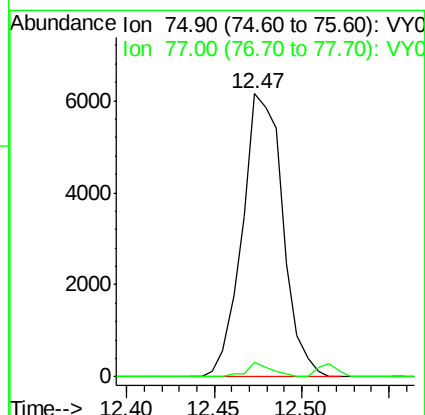
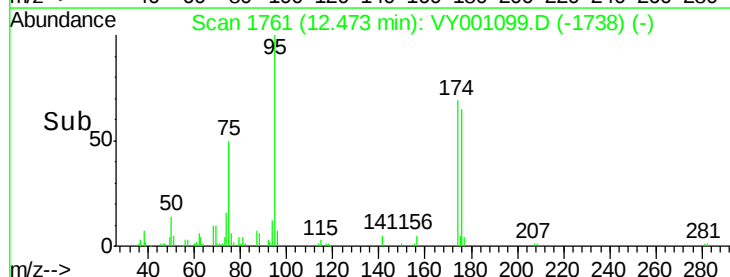
75 100

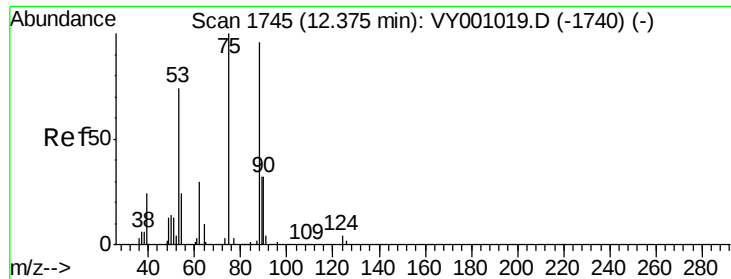
77 3.2 0.0 0.0#



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: 83.896 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF009-01

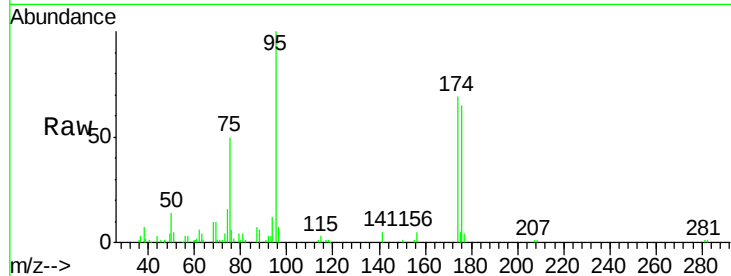
Tgt Ion: 75 Resp: 9965

Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

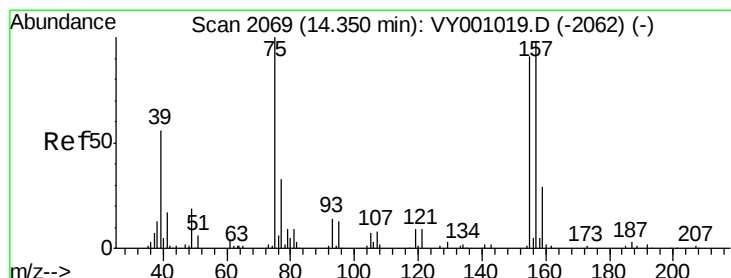
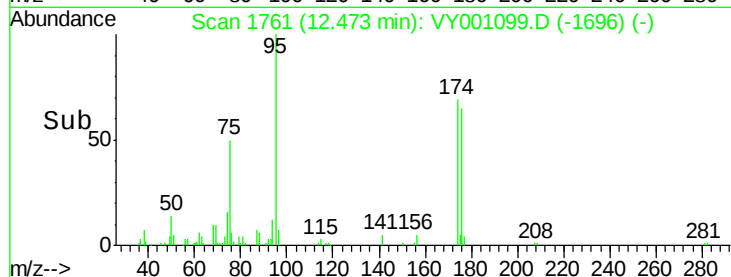
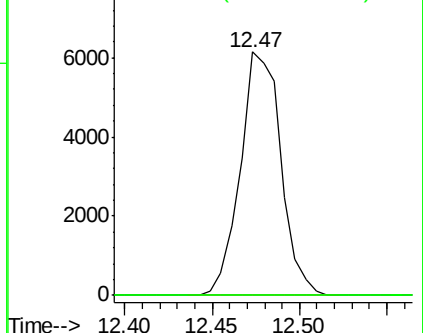
89 0.0 35.4 53.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.805 ug/l

RT: 14.53 min Scan# 2098

Delta R.T. 0.18 min

Lab File: VY001099.D

Acq: 27 Dec 2019 15:44

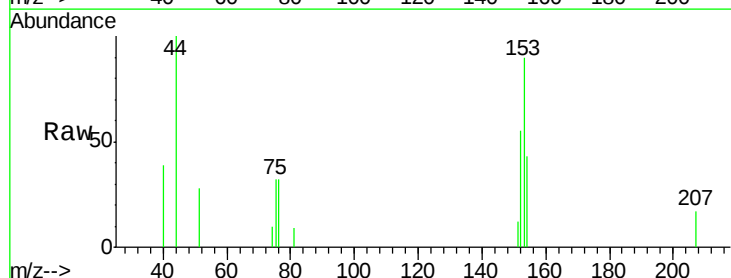
Tgt Ion: 75 Resp: 147

Ion Ratio Lower Upper

75 100

155 104.1 46.3 138.9

157 0.0 58.1 174.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

