

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY122719\
 Data File : VY001105.D
 Acq On : 27 Dec 2019 17:56
 Operator : SY/MD
 Sample : K6439-05
 Misc : 5.28G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF002-01

Quant Time: Dec 28 04:05:00 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	229149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	443157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	399972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	179333	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	121757	53.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.74%	
35) Dibromofluoromethane	7.73	113	127646	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
50) Toluene-d8	10.18	98	519783	50.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.94%	
62) 4-Bromofluorobenzene	12.48	95	168786	45.27	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.54%	

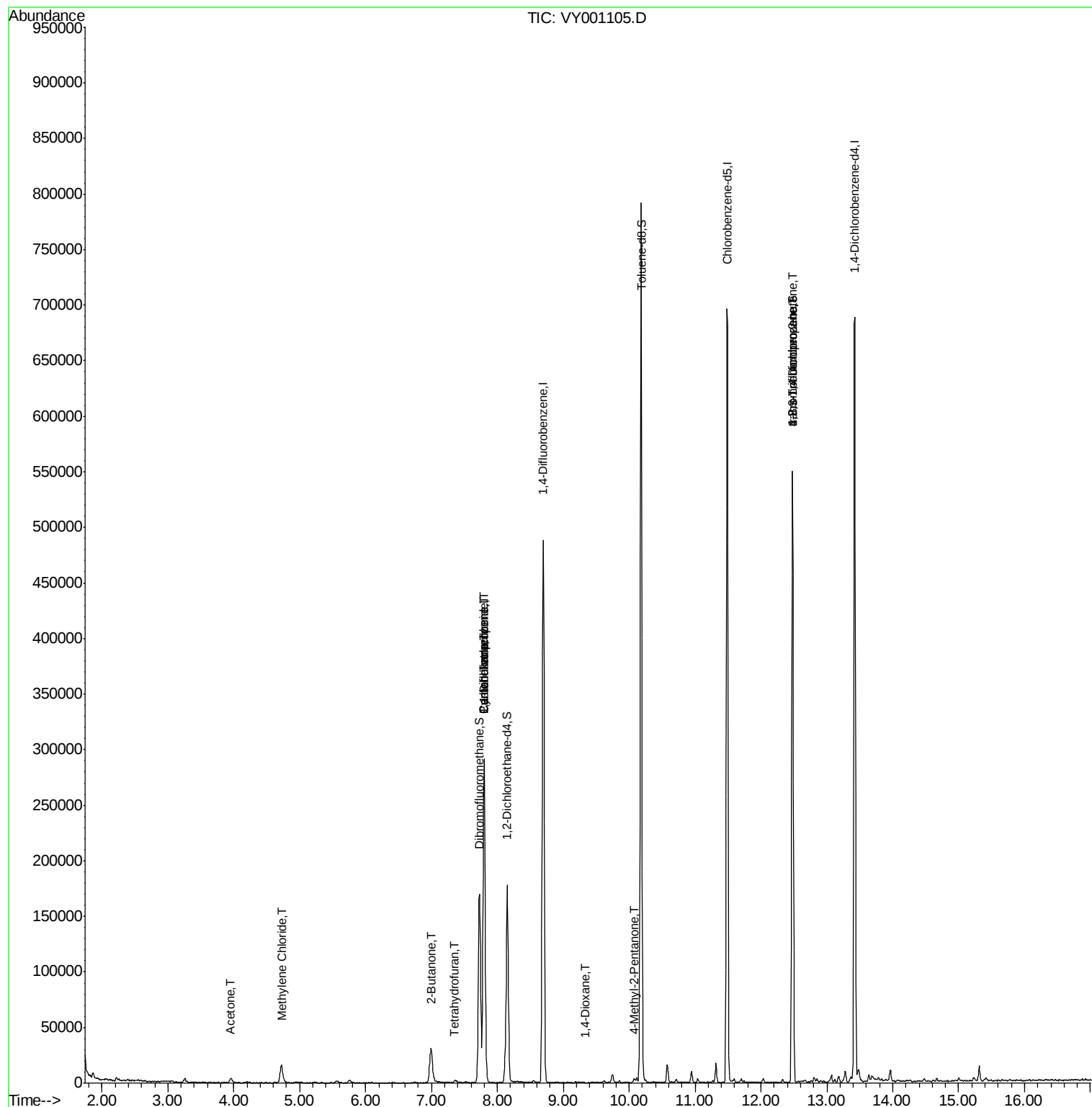
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.95	43	6569	12.617	ug/l #	86
20) Methylene Chloride	4.72	84	11840	3.863	ug/l	96
25) 2-Butanone	6.99	43	3341	3.653	ug/l #	79
29) Tetrahydrofuran	7.35	42	866	1.331	ug/l #	52
31) Cyclohexane	7.80	56	5135	1.022	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18428	4.359	ug/l #	51
38) Carbon Tetrachloride	7.80	117	22729	6.136	ug/l #	18
49) 1,4-Dioxane	9.33	88	25	1.036	ug/l #	24
51) 4-Methyl-2-Pentanone	10.07	43	2587	1.145	ug/l #	85
76) 1,2,3-Trichloropropane	12.48	75	81184	36.721	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81184	78.318	ug/l #	19

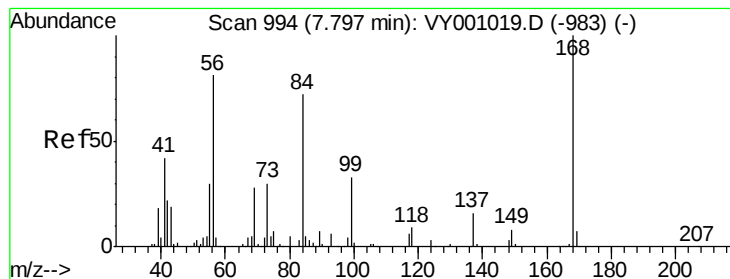
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001105.D

Acq: 27 Dec 2019 17:56

Instrument :

MSVOA_Y

ClientSampleId :

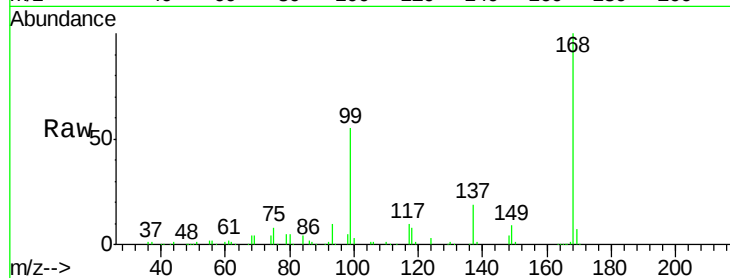
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Tgt Ion:168 Resp: 229149

Ion Ratio Lower Upper

168 100

99 55.4 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

100000

80000

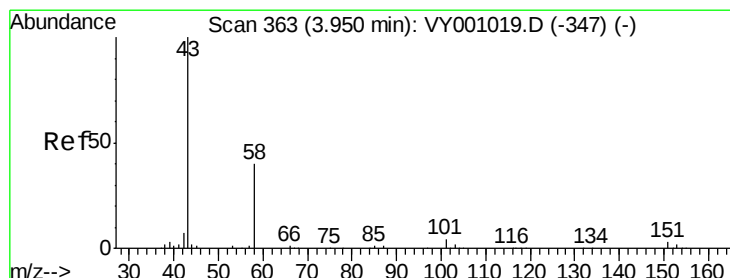
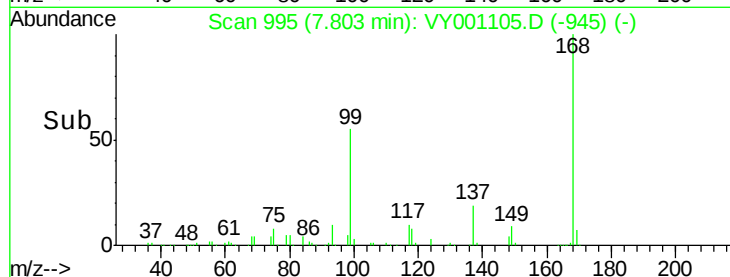
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 12.617 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VY001105.D

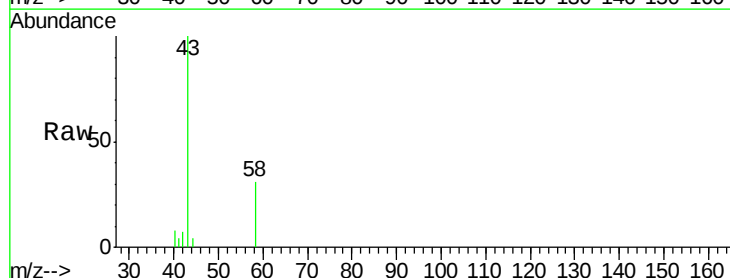
Acq: 27 Dec 2019 17:56

Tgt Ion: 43 Resp: 6569

Ion Ratio Lower Upper

43 100

58 31.2 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY001019.D (-347) (-)

3.95

3000

2500

2000

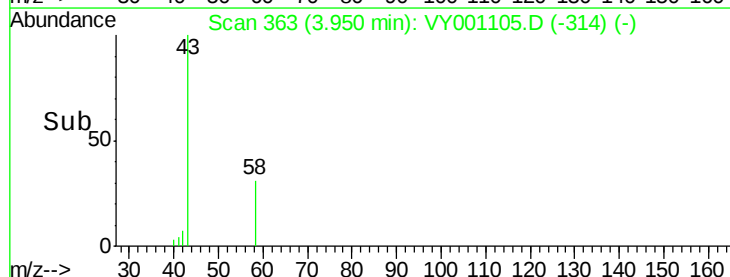
1500

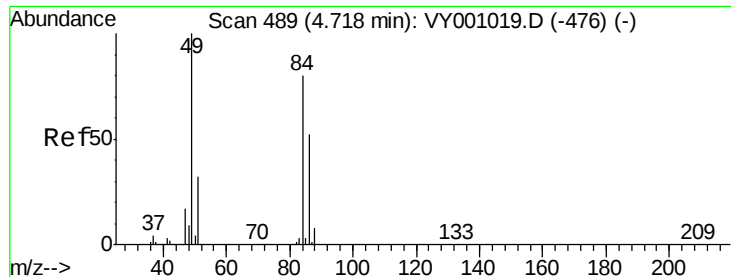
1000

500

0

Time-->

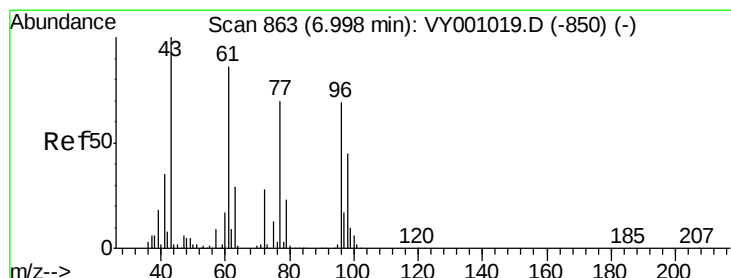
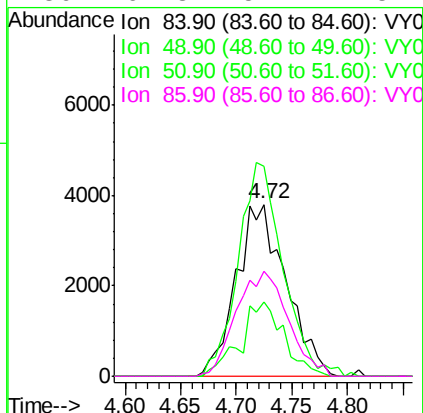
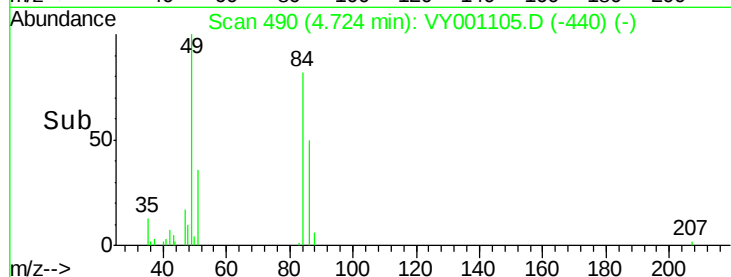
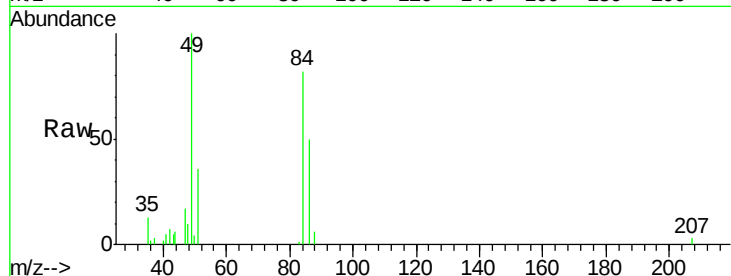




#20
Methylene Chloride
Concen: 3.863 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

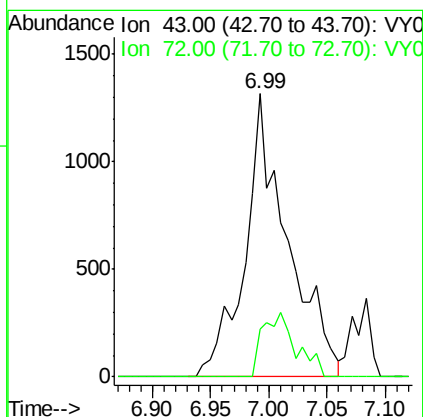
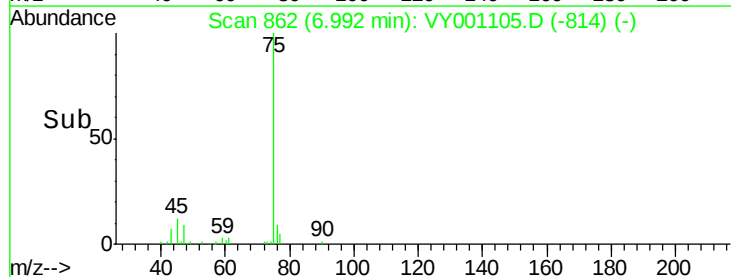
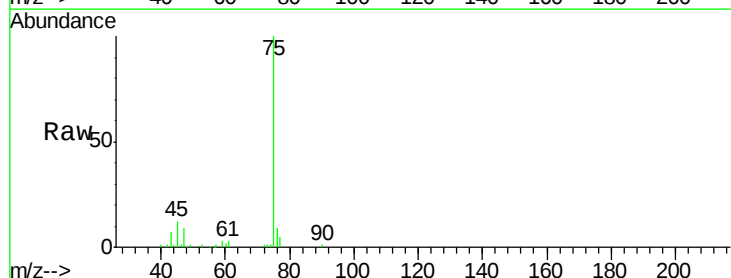
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF002-01

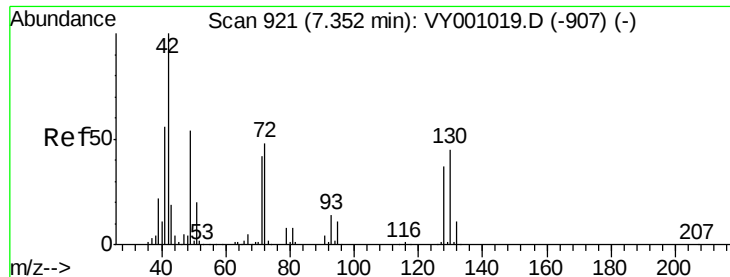
Tgt Ion: 84 Resp: 11840
Ion Ratio Lower Upper
84 100
49 122.0 99.8 149.6
51 43.6 31.4 47.2
86 61.3 52.2 78.2



#25
2-Butanone
Concen: 3.653 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

Tgt Ion: 43 Resp: 3341
Ion Ratio Lower Upper
43 100
72 16.9 22.4 33.6#

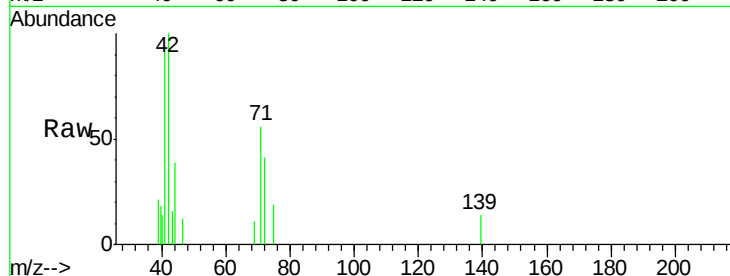




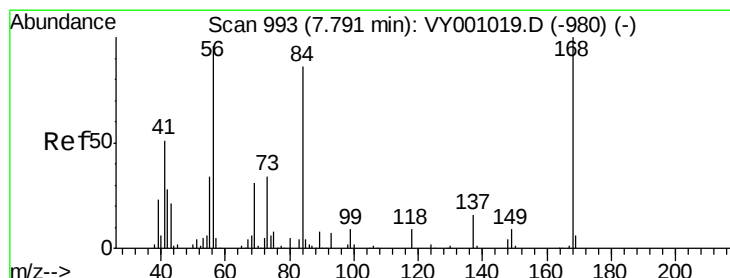
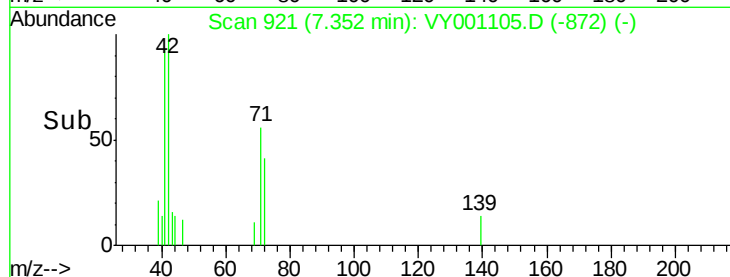
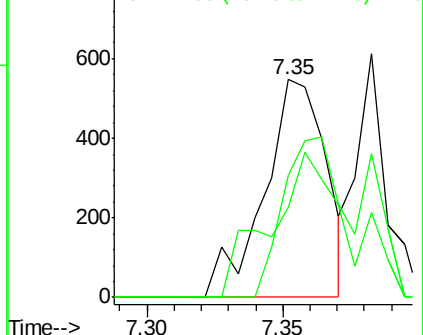
#29
Tetrahydrofuran
Concen: 1.331 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF002-01

Tgt Ion: 42 Resp: 866
Ion Ratio Lower Upper
42 100
72 84.3 37.7 56.5#
71 68.7 34.6 51.8#

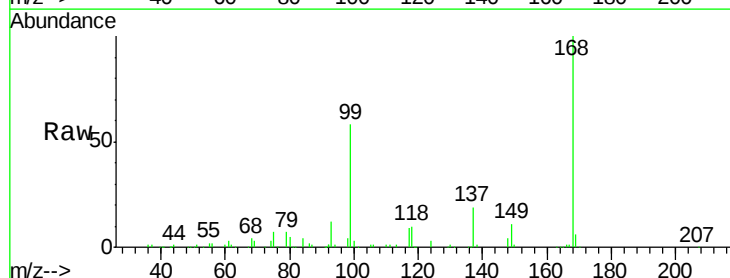


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

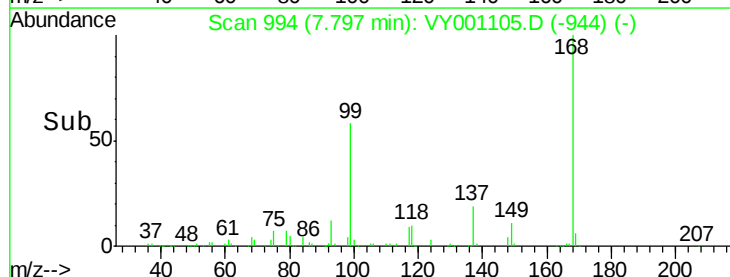
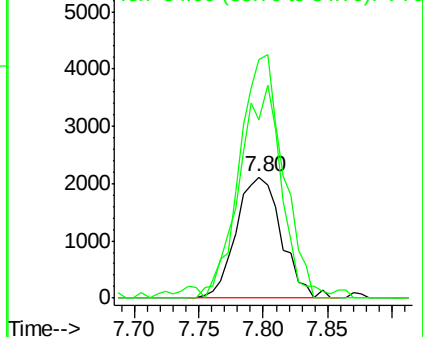


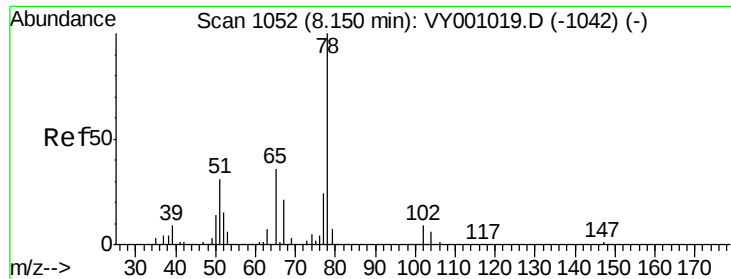
#31
Cyclohexane
Concen: 1.022 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

Tgt Ion: 56 Resp: 5135
Ion Ratio Lower Upper
56 100
69 140.3 26.1 39.1#
84 197.1 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: 53.874 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

Instrument :

MSVOA_Y

ClientSampleId :

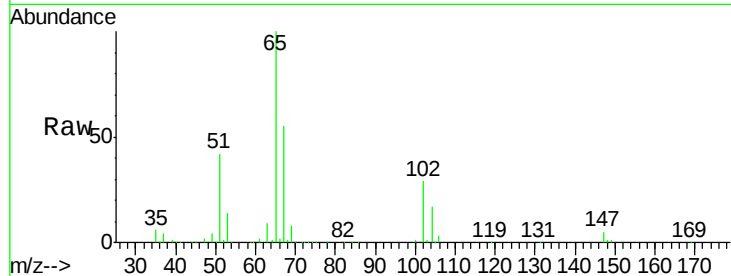
LIED-BF002-01

Tgt Ion: 65 Resp: 121757

Ion Ratio Lower Upper

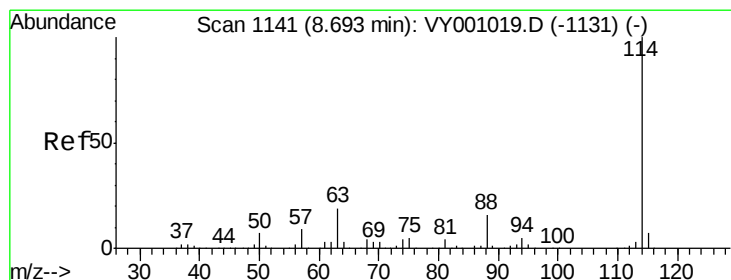
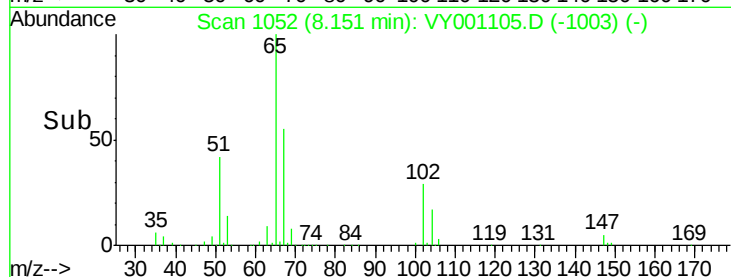
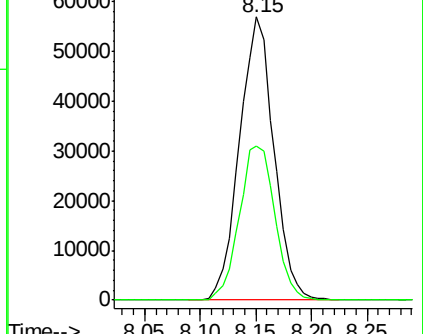
65 100

67 56.7 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: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

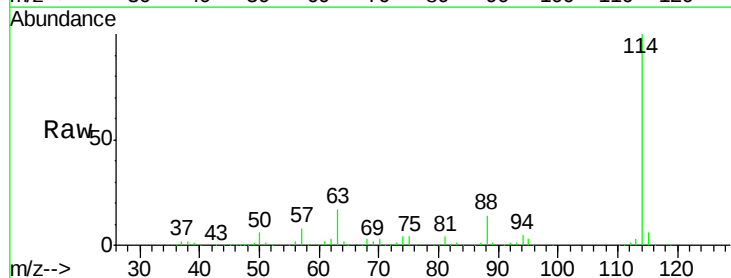
Tgt Ion: 114 Resp: 443157

Ion Ratio Lower Upper

114 100

63 16.8 0.0 37.0

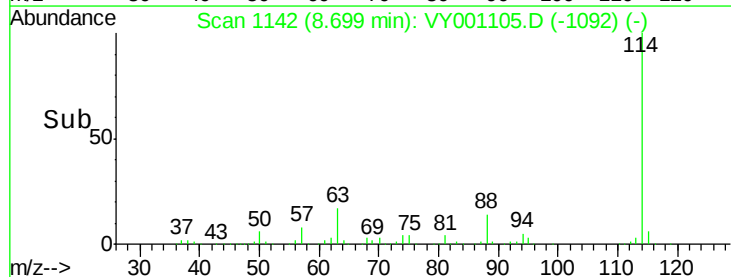
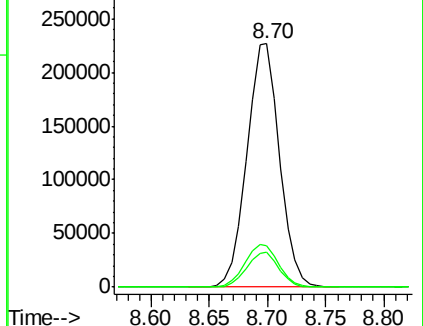
88 14.3 0.0 32.0

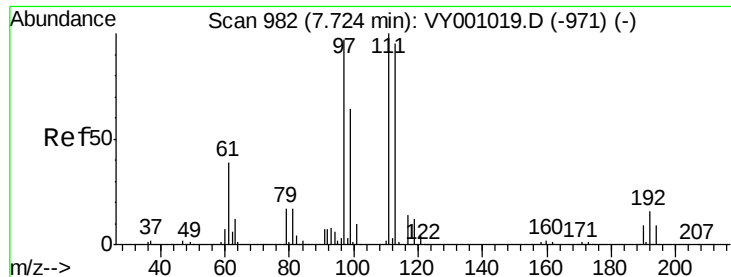


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 48.915 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

Instrument :

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ClientSampleId :

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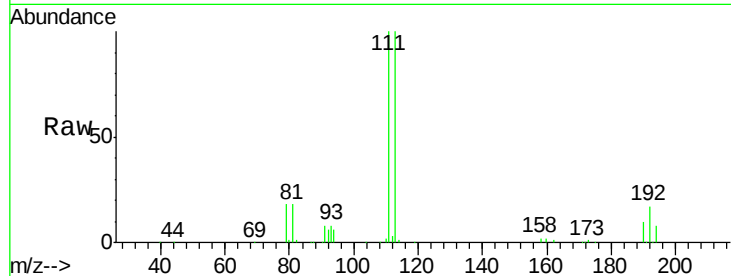
Tgt Ion:113 Resp: 127646

Ion Ratio Lower Upper

113 100

111 104.0 83.0 124.4

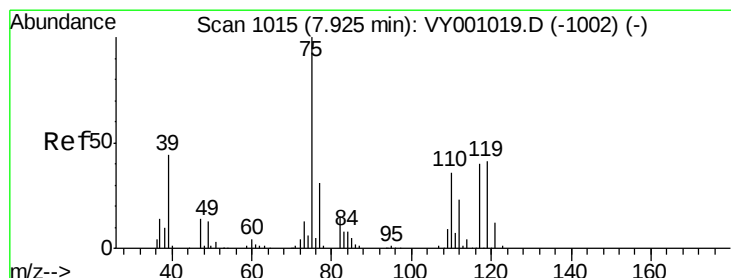
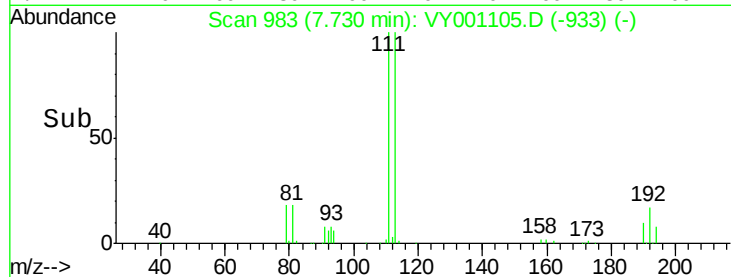
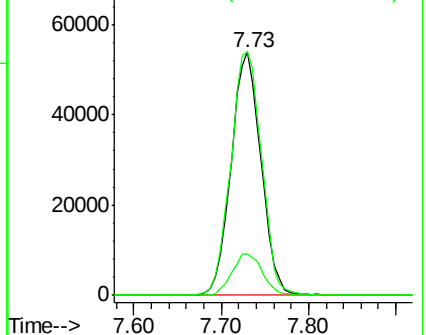
192 17.4 14.6 21.8



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: 4.359 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

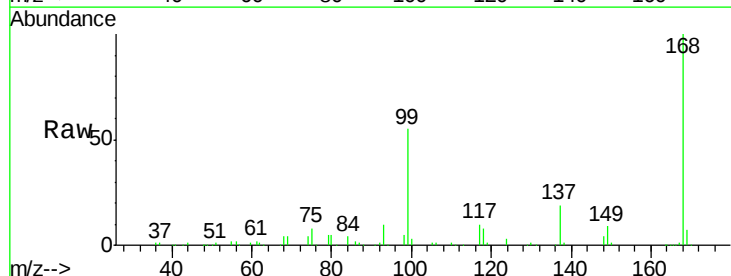
Tgt Ion: 75 Resp: 18428

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.4#

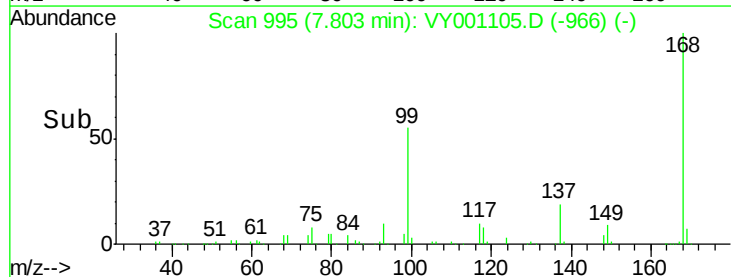
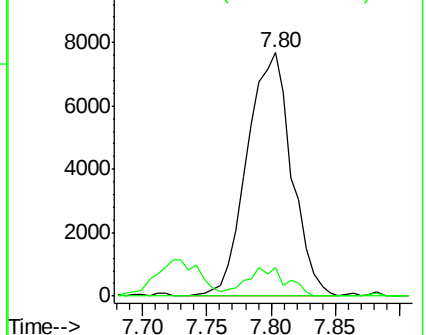
77 0.0 24.6 37.0#

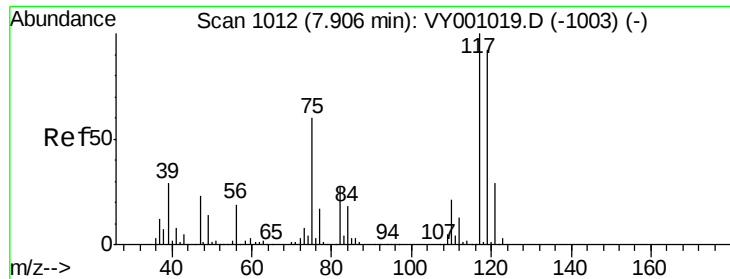


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

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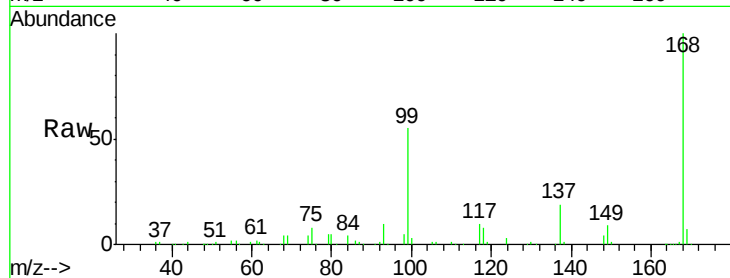
Tgt Ion: 117 Resp: 22729

Ion Ratio Lower Upper

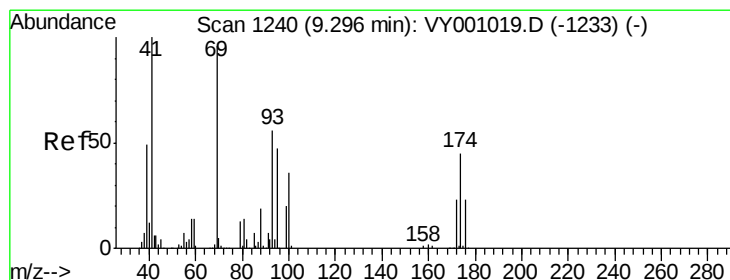
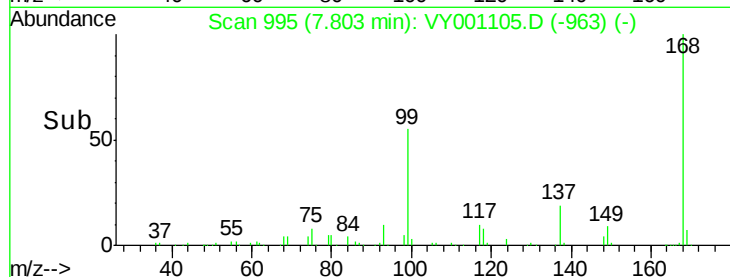
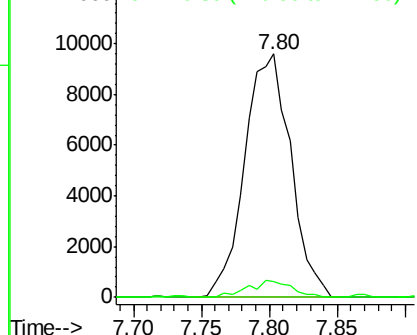
117 100

119 6.4 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: 1.036 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.03 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

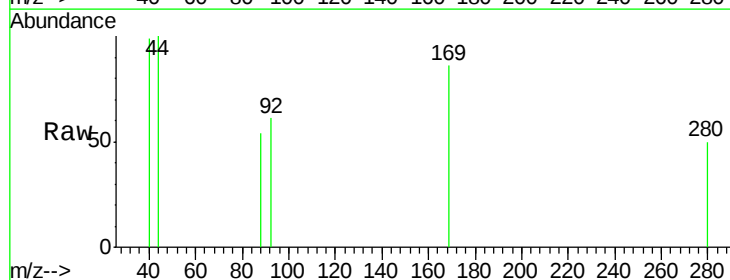
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

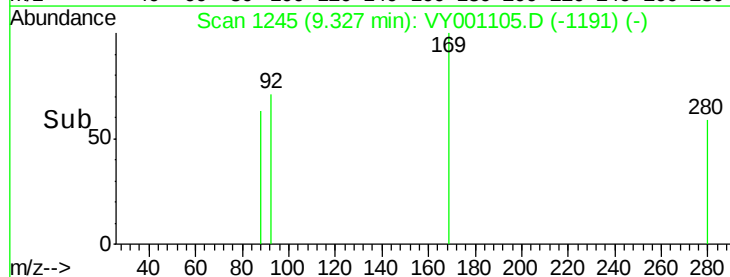
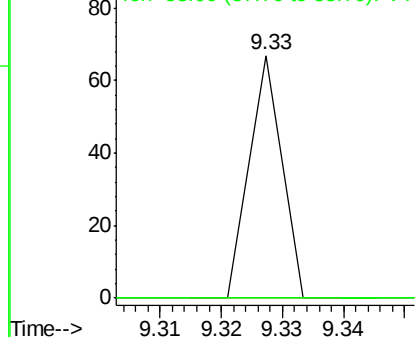
88 100

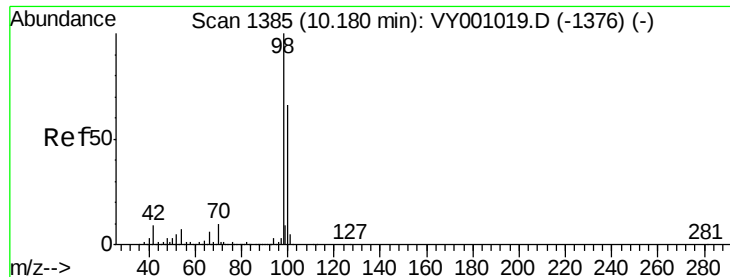
43 0.0 23.0 34.4#

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: 50.969 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

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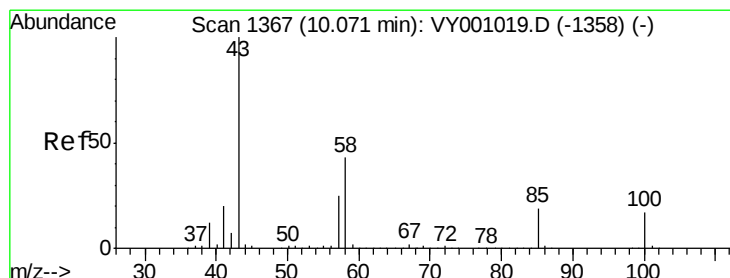
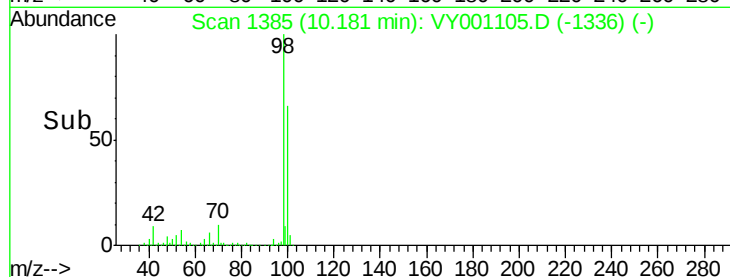
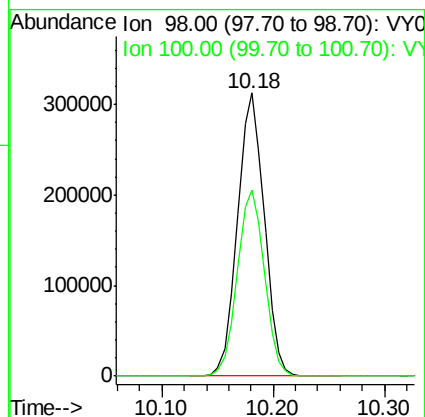
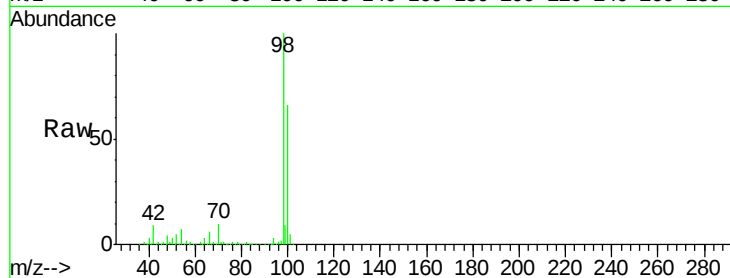
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Tgt Ion: 98 Resp: 519783

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.145 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001105.D

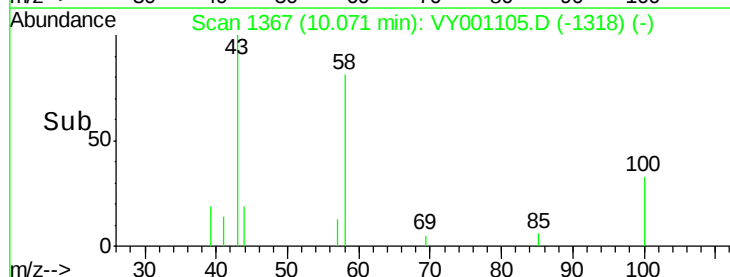
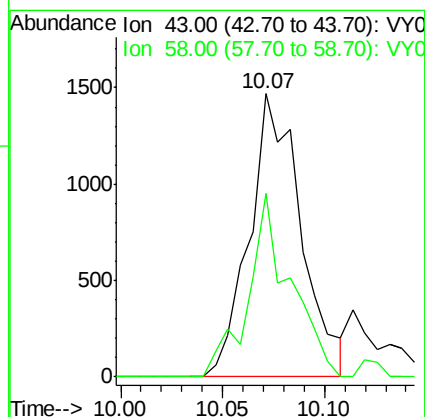
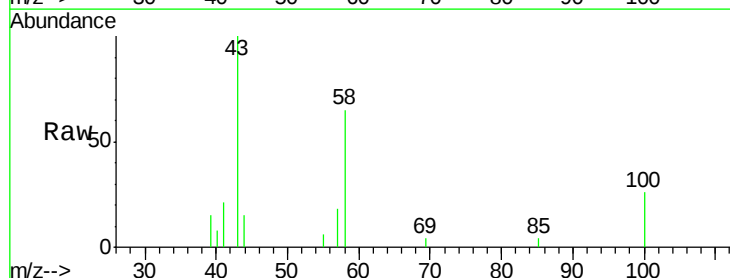
Acq: 27 Dec 2019 17:56

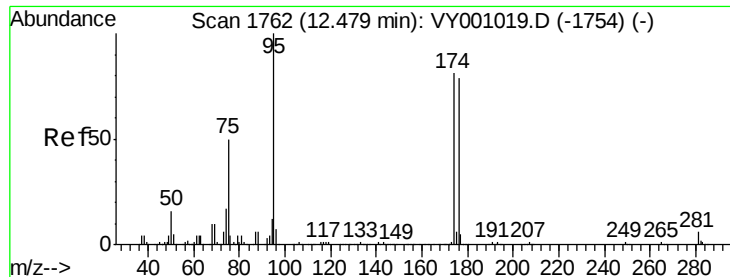
Tgt Ion: 43 Resp: 2587

Ion Ratio Lower Upper

43 100

58 53.1 34.6 52.0#

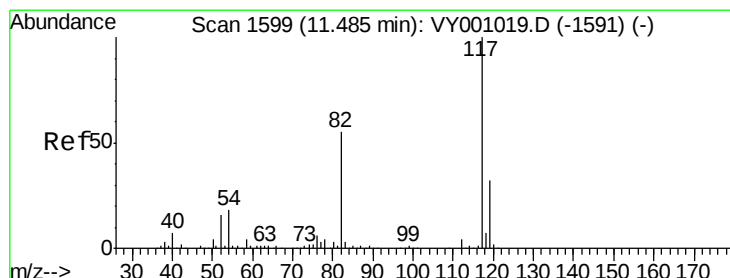
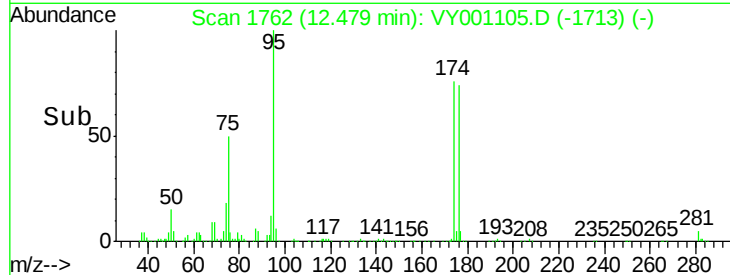
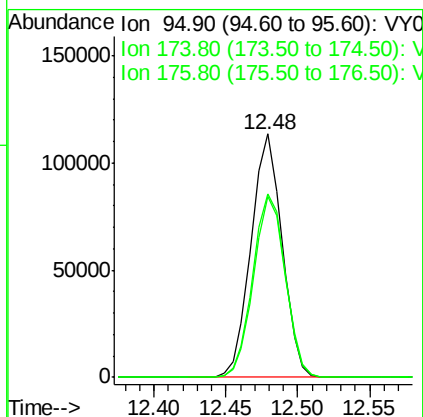
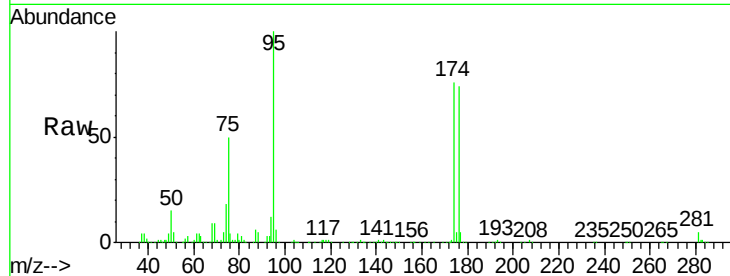




#62
4-Bromofluorobenzene
Concen: 45.268 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

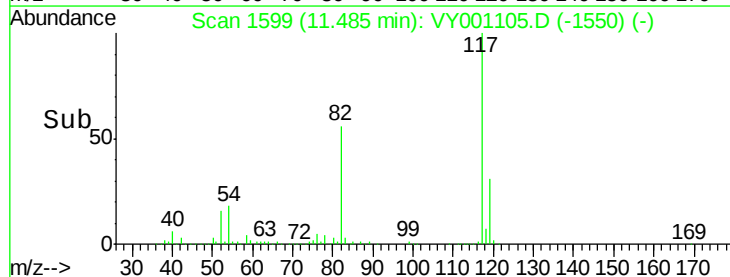
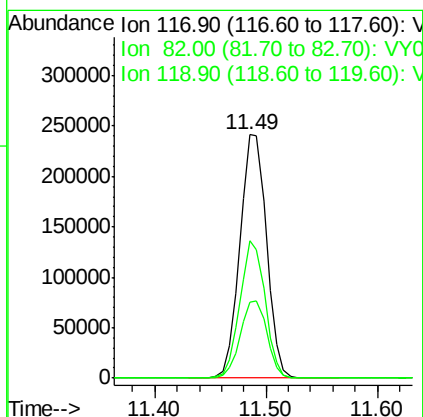
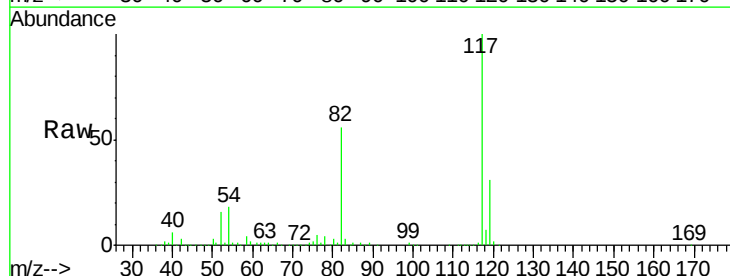
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF002-01

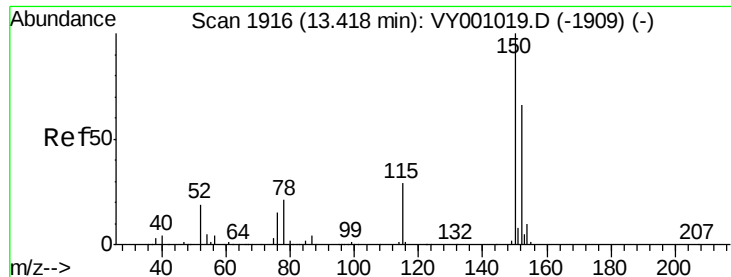
Tgt Ion: 95 Resp: 168786
Ion Ratio Lower Upper
95 100
174 78.9 0.0 156.4
176 76.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

Tgt Ion: 117 Resp: 399972
Ion Ratio Lower Upper
117 100
82 56.3 43.8 65.8
119 31.3 25.8 38.6



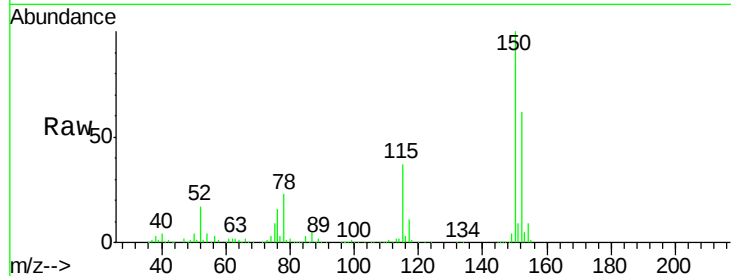


#72

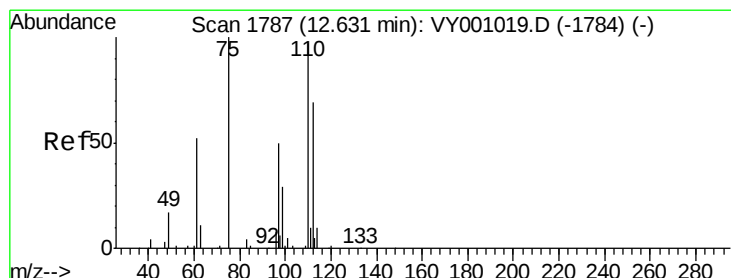
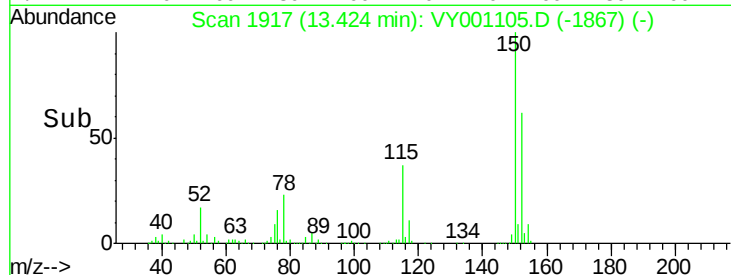
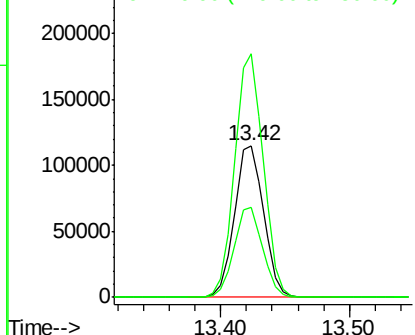
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF002-01

Tgt Ion:152 Resp: 179333
Ion Ratio Lower Upper
152 100
115 58.7 29.8 89.3
150 157.7 0.0 352.6



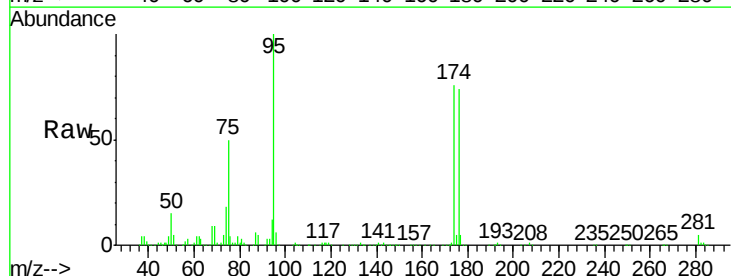
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



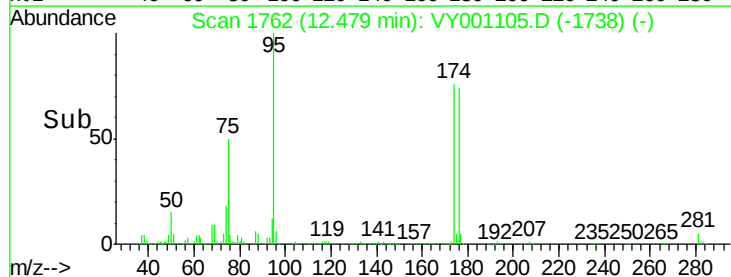
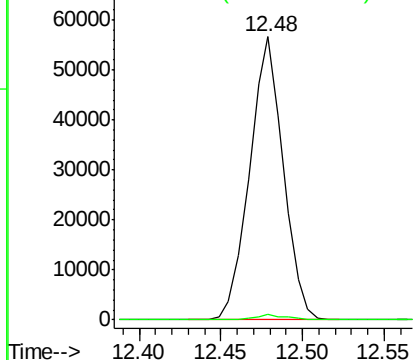
#76

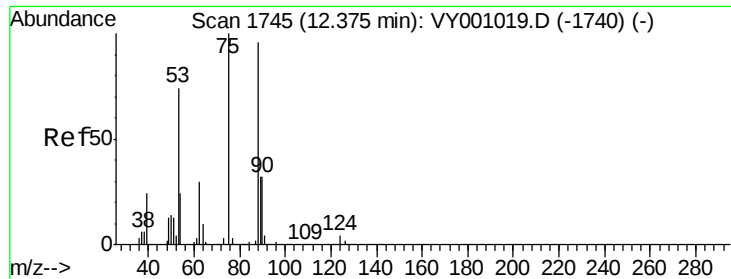
1,2,3-Trichloropropane
Concen: 36.721 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY001105.D
Acq: 27 Dec 2019 17:56

Tgt Ion: 75 Resp: 81184
Ion Ratio Lower Upper
75 100
77 1.7 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: 78.318 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001105.D

Acq: 27 Dec 2019 17:56

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF002-01

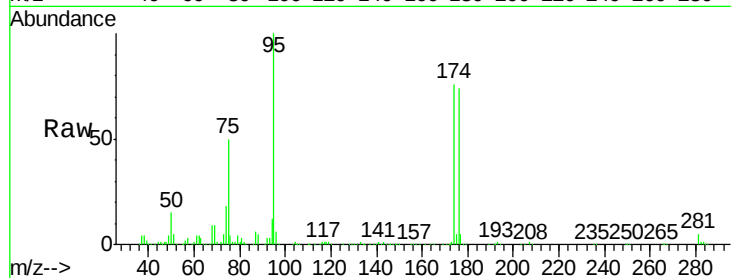
Tgt Ion: 75 Resp: 81184

Ion Ratio Lower Upper

75 100

53 0.1 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

