

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
 Data File : VY001106.D
 Acq On : 27 Dec 2019 18:18
 Operator : SY/MD
 Sample : K6439-06RE
 Misc : 4.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF003-01RE

Quant Time: Dec 28 04:05:17 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	7.81	168	774	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.69	114	862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	1238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	206	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	309	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	
35) Dibromofluoromethane	7.74	113	37	7.29	ug/l	0.02
Spiked Amount	50.000		Recovery	=	14.58%	
50) Toluene-d8	10.17	98	1565	78.89	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	157.78%	
62) 4-Bromofluorobenzene	12.48	95	287	39.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.14%	

Target Compounds						Qvalue
3) Chloromethane	2.35	50	53	5.774	ug/l #	41
7) Trichlorofluoromethane	3.09	101	45	3.442	ug/l #	19
14) Allyl chloride	4.45	41	25	1.851	ug/l #	27
16) Acetone	3.94	43	54	30.706	ug/l #	35
18) Methyl Acetate	4.41	43	51	7.559	ug/l #	49
22) Diisopropyl ether	5.96	45	43	1.575	ug/l #	37
26) 2,2-Dichloropropane	6.93	77	21	1.584	ug/l #	51
29) Tetrahydrofuran	7.39	42	43	19.567	ug/l #	31
40) Benzene	8.18	78	30	1.209	ug/l #	54
41) Methacrylonitrile	7.19	41	45	22.795	ug/l #	100
42) 1,2-Dichloroethane	8.18	62	22	3.709	ug/l #	70
43) Isopropyl Acetate	8.33	43	28	3.322	ug/l #	50
48) Methyl methacrylate	9.31	41	51	14.178	ug/l #	9
51) 4-Methyl-2-Pentanone	10.09	43	103	23.445	ug/l #	33
59) 2-Hexanone	11.06	43	76	25.000	ug/l #	20
60) Dibromochloromethane	10.80	129	19	3.714	ug/l #	10
65) Chlorobenzene	11.51	112	63	2.453	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	11.58	131	23	2.714	ug/l #	8
67) Ethyl Benzene	11.59	91	68	1.472	ug/l #	43
70) Styrene	12.04	104	69	2.459	ug/l #	28
73) Isopropylbenzene	12.57	105	23	1.443	ug/l #	48
74) N-amyl acetate	12.30	43	82	19.580	ug/l #	39
76) 1,2,3-Trichloropropane	12.48	75	75	29.533	ug/l #	100
78) n-propylbenzene	12.68	91	123	6.332	ug/l #	53
79) 2-Chlorotoluene	12.68	91	123	11.466	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.81	105	69	5.281	ug/l #	27
81) trans-1,4-Dichloro-2-buten	12.48	75	75	62.986	ug/l #	19
82) 4-Chlorotoluene	12.68	91	123	11.039	ug/l #	40
83) tert-Butylbenzene	13.09	119	23	2.097	ug/l #	27
86) p-Isopropyltoluene	13.09	119	23	1.644	ug/l #	50
89) n-Butylbenzene	13.55	91	26	1.847	ug/l #	33
92) 1,2-Dibromo-3-Chloropropan	14.48	75	45	85.646	ug/l #	1
95) Naphthalene	15.22	128	19	1.884	ug/l #	1

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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

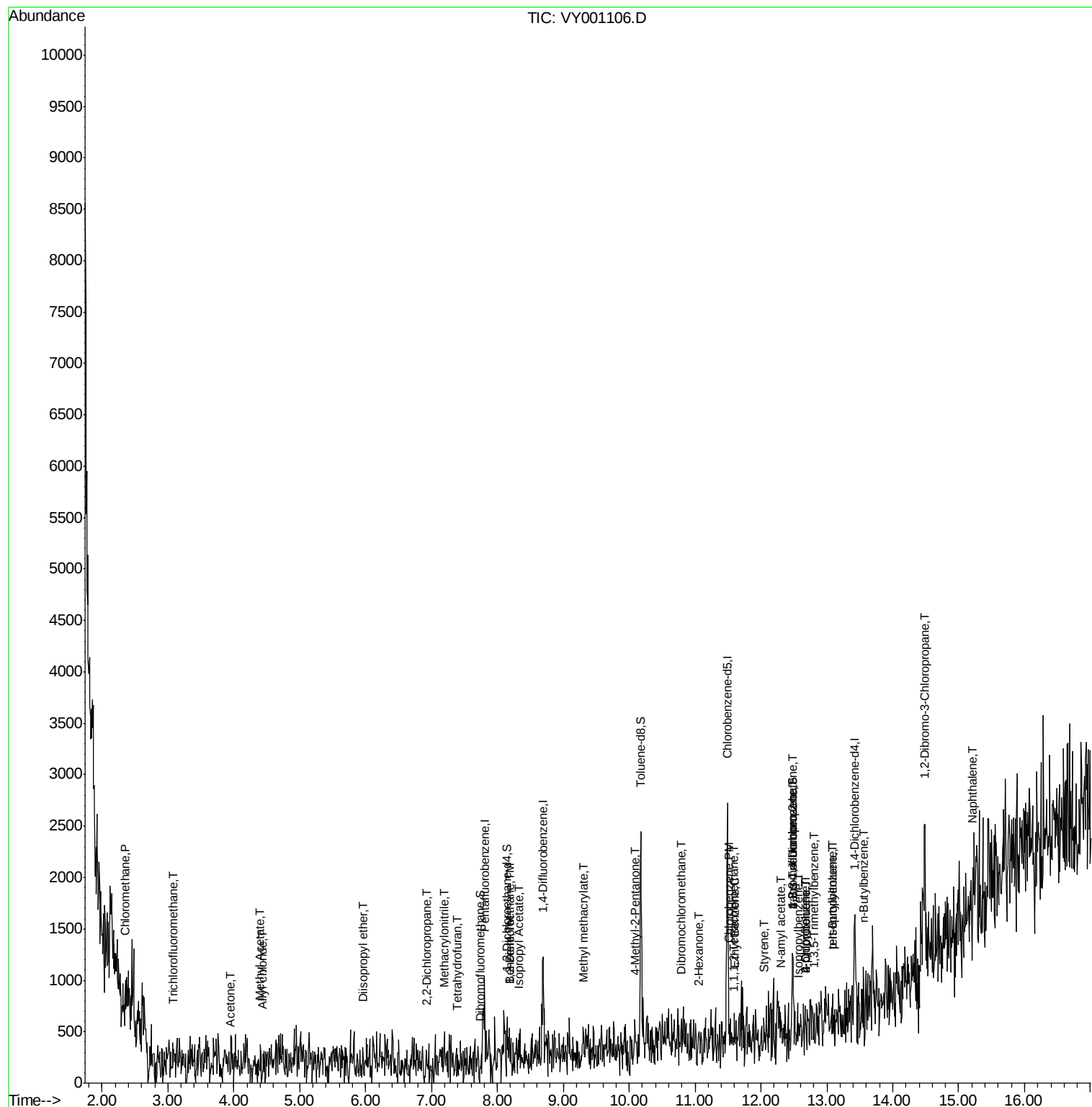
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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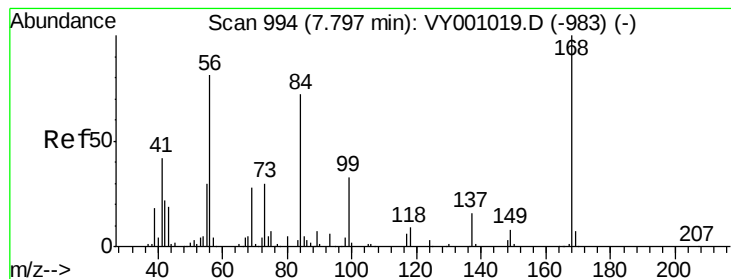
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY122719\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

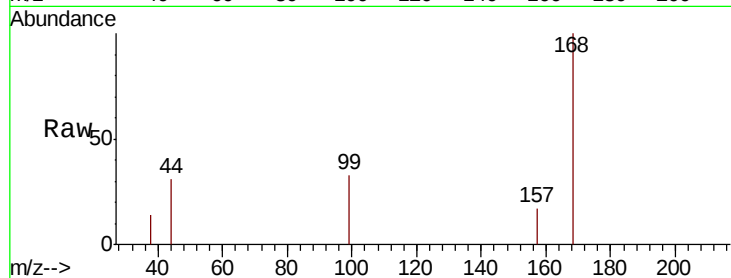
LIED-BF003-01RE

Tot Ion:168 Resp: 774

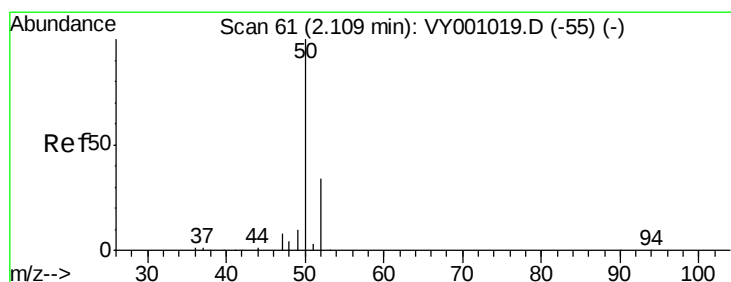
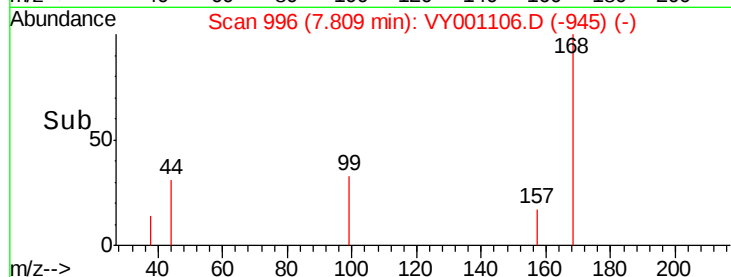
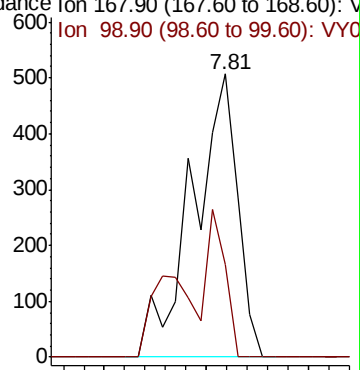
Ion Ratio Lower Upper

168 100

99 32.5 44.0 66.0#



Abundance Ion 167.90 (167.60 to 168.60): VY001106.D (-945) (-)



#3

Chloromethane

Concen: 5.774 ug/l

RT: 2.35 min Scan# 101

Delta R.T. 0.24 min

Lab File: VY001106.D

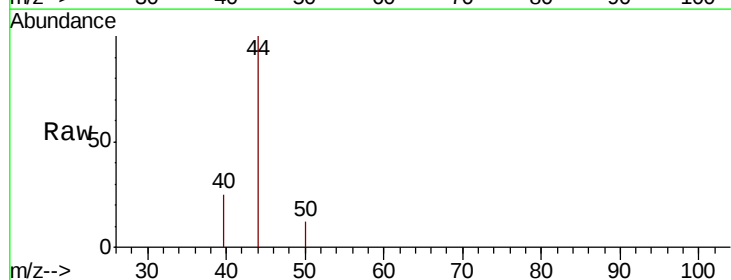
Acq: 27 Dec 2019 18:18

Tgt Ion: 50 Resp: 53

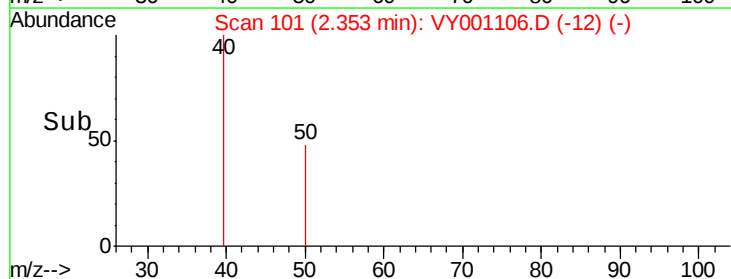
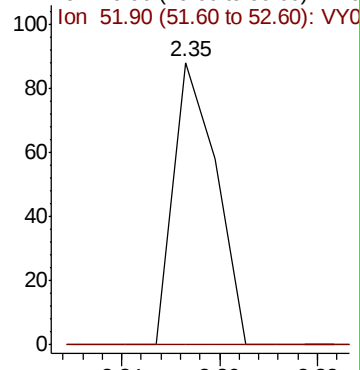
Ion Ratio Lower Upper

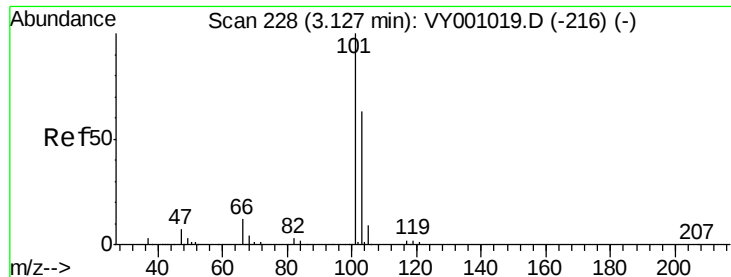
50 100

52 0.0 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VY001106.D (-12) (-)



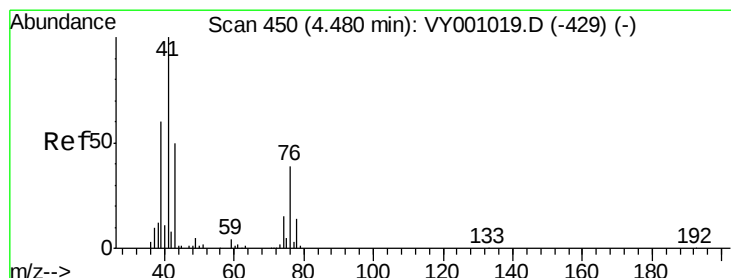
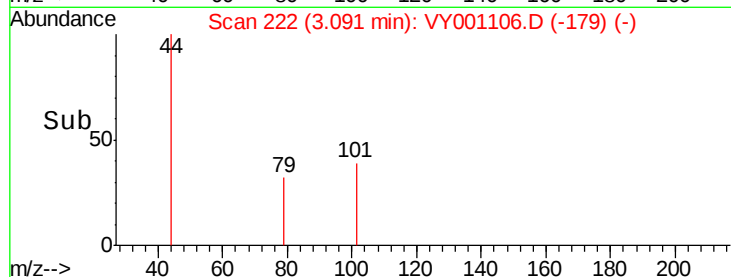
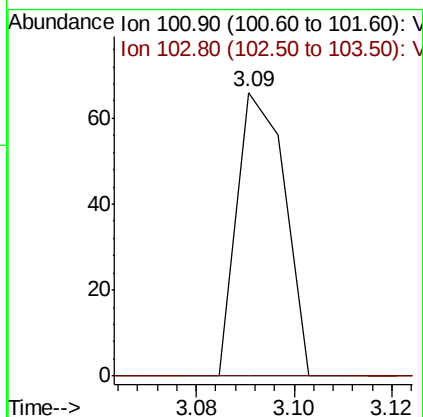
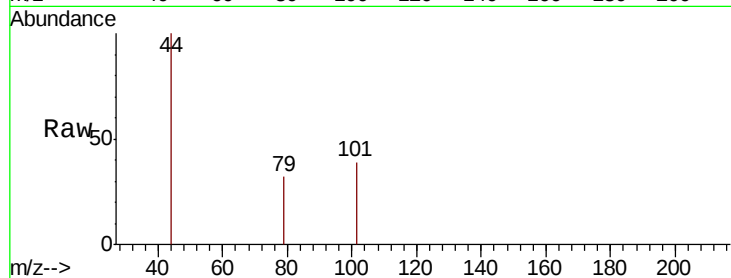


#7

Trichlorofluoromethane
 Concen: 3.442 ug/l
 RT: 3.09 min Scan# 222
 Delta R.T. -0.04 min
 Lab File: VY001106.D
 Acq: 27 Dec 2019 18:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF003-01RE

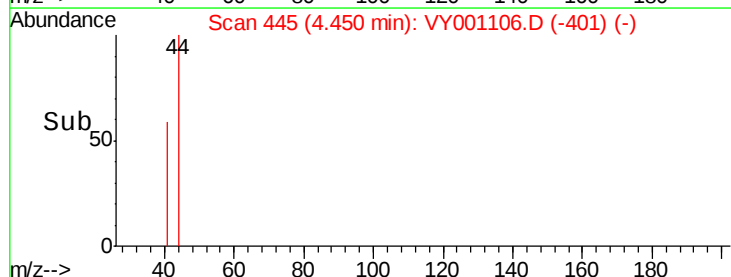
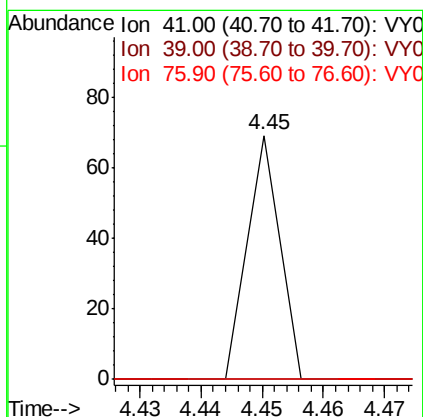
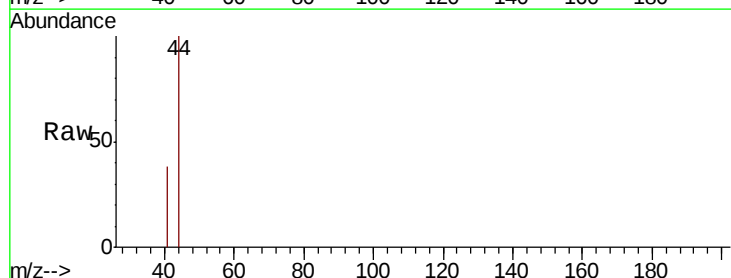
Tot Ion	Ratio	Lower	Upper
101	100		
103	0.0	50.2	75.2#

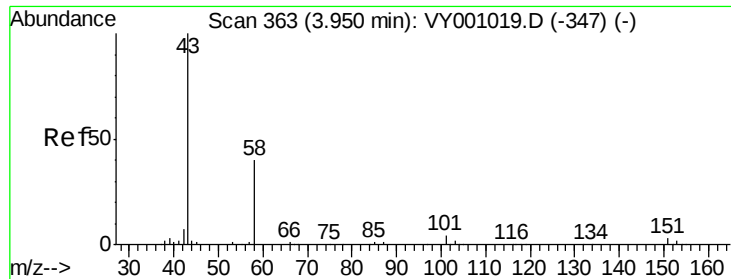


#14

Allyl chloride
 Concen: 1.851 ug/l
 RT: 4.45 min Scan# 445
 Delta R.T. -0.03 min
 Lab File: VY001106.D
 Acq: 27 Dec 2019 18:18

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.0	69.0#
76	0.0	32.6	48.8#





#16

Acetone

Concen: 30.706 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

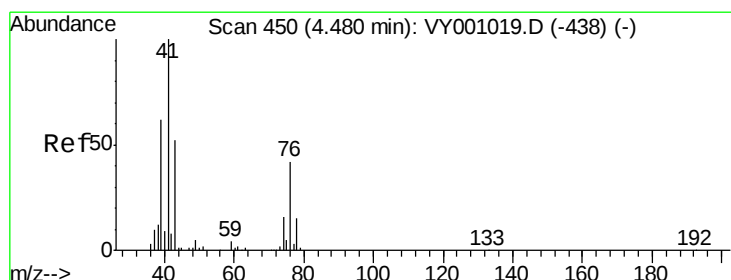
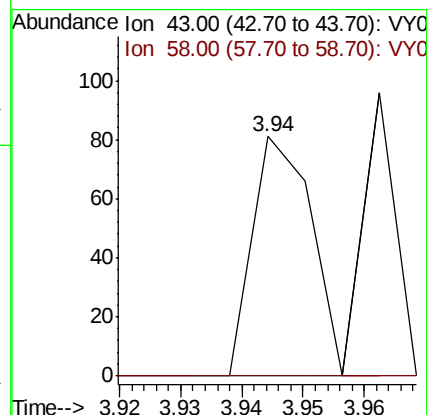
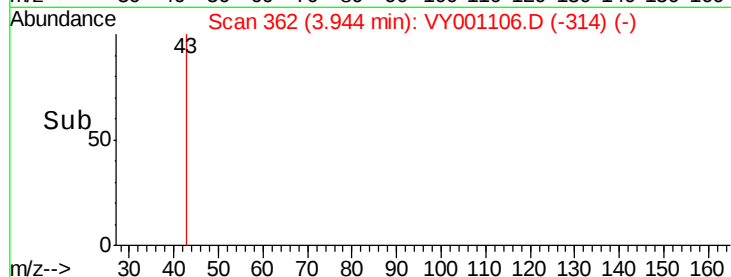
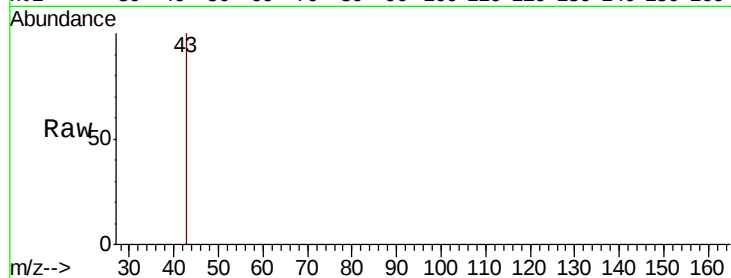
LIED-BF003-01RE

Tot Ion: 43 Resp: 54

Ion Ratio Lower Upper

43 100

58 0.0 32.1 48.1#



#18

Methyl Acetate

Concen: 7.559 ug/l

RT: 4.41 min Scan# 438

Delta R.T. -0.07 min

Lab File: VY001106.D

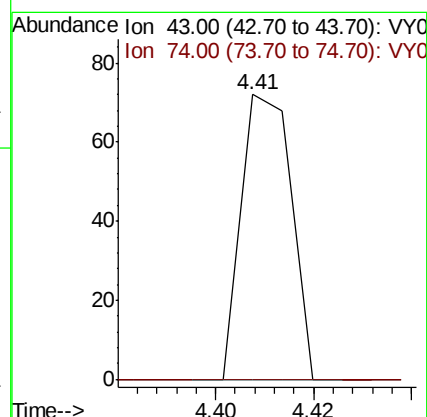
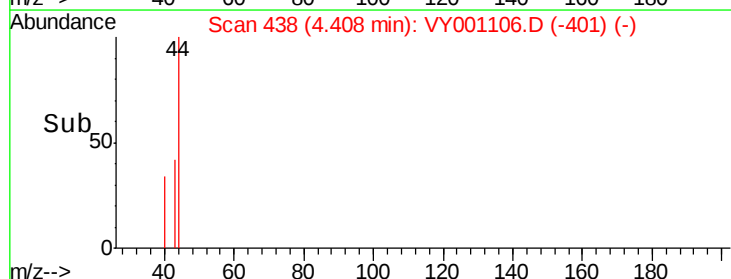
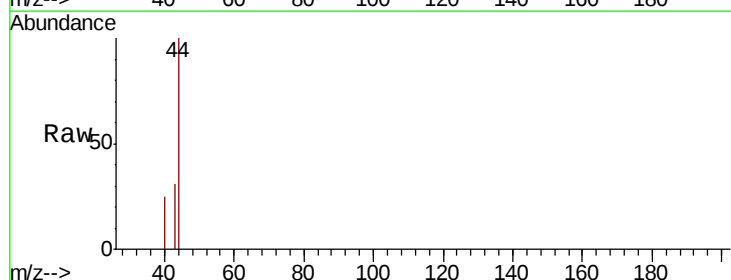
Acq: 27 Dec 2019 18:18

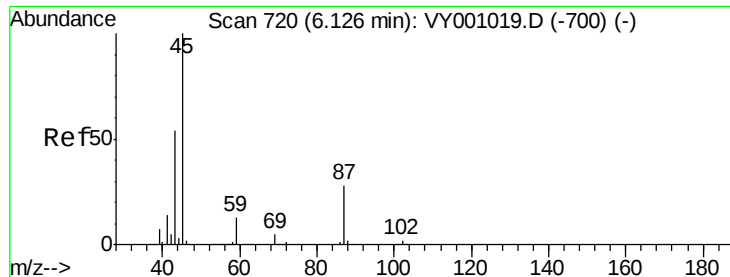
Tgt Ion: 43 Resp: 51

Ion Ratio Lower Upper

43 100

74 0.0 20.7 31.1#





#22

Diisopropyl ether

Concen: 1.575 ug/l

RT: 5.96 min Scan# 692

Delta R.T. -0.17 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

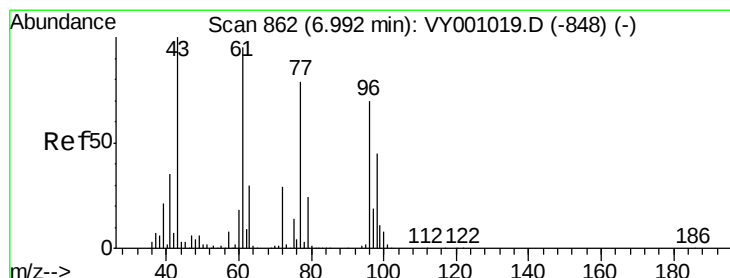
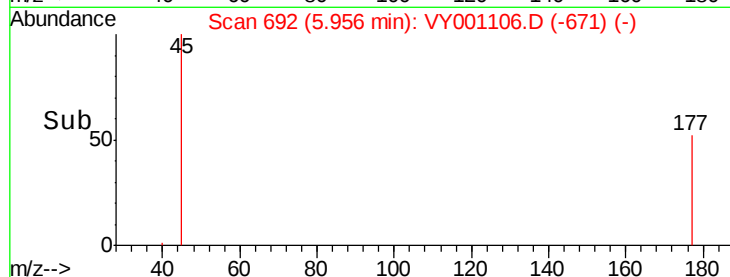
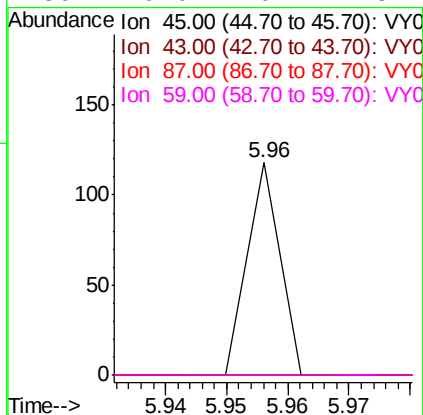
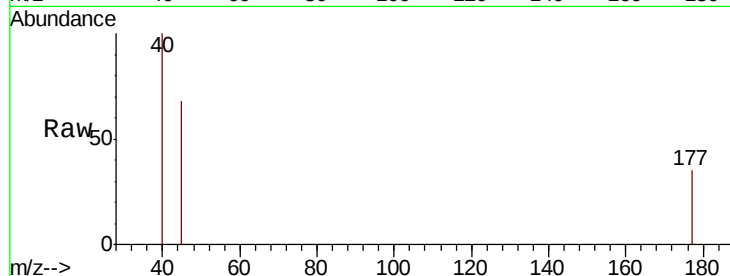
Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF003-01RE

Tot Ion:	45	Resp:	43
Ion	Ratio	Lower	Upper
45	100		
43	0.0	43.6	65.4#
87	0.0	23.1	34.7#
59	0.0	10.2	15.4#



#26

2,2-Dichloropropane

Concen: 1.584 ug/l

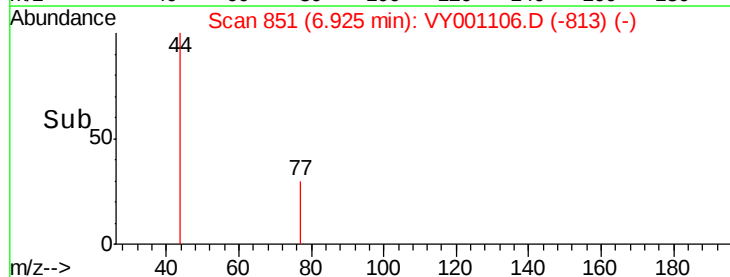
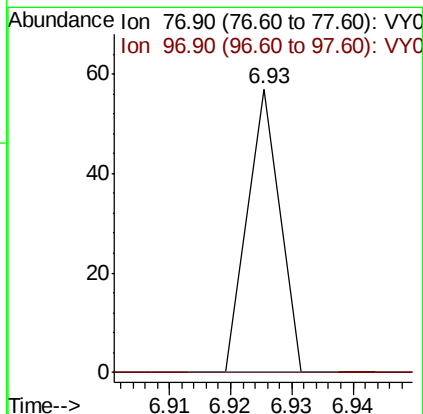
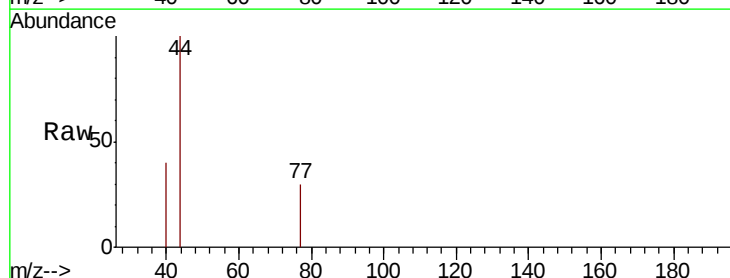
RT: 6.93 min Scan# 851

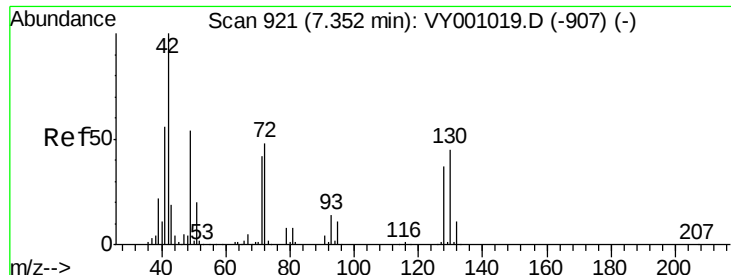
Delta R.T. -0.07 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Tgt Ion:	77	Resp:	21
Ion	Ratio	Lower	Upper
77	100		
97	0.0	12.0	36.1#

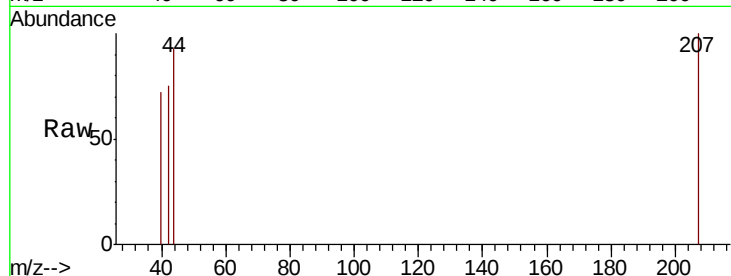




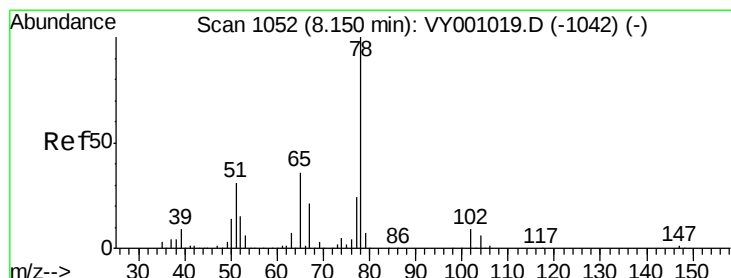
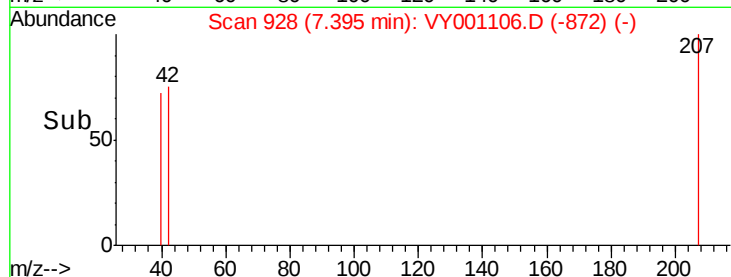
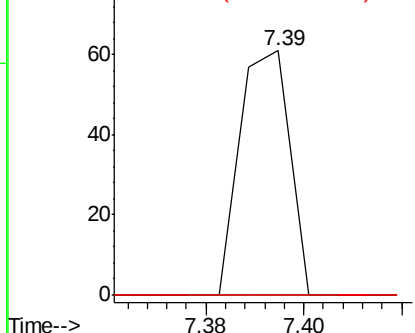
#29
Tetrahydrofuran
Concen: 19.567 ug/l
RT: 7.39 min Scan# 928
Delta R.T. 0.04 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Instrument :
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ClientSampleId :
LIED-BF003-01RE

Tot Ion: 42 Resp: 43
Ion Ratio Lower Upper
42 100
72 0.0 37.7 56.5#
71 0.0 34.6 51.8#

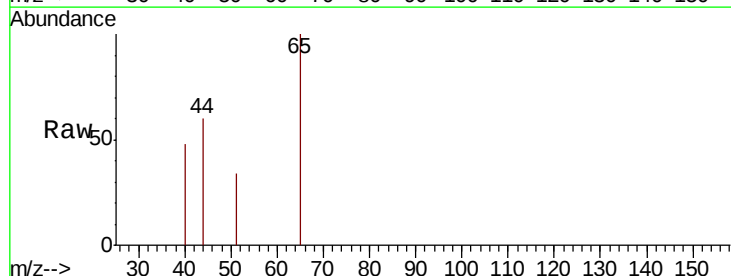


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

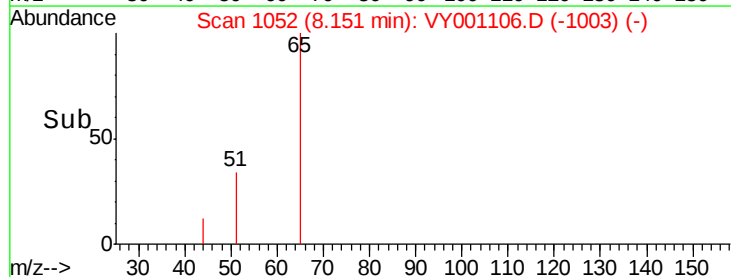
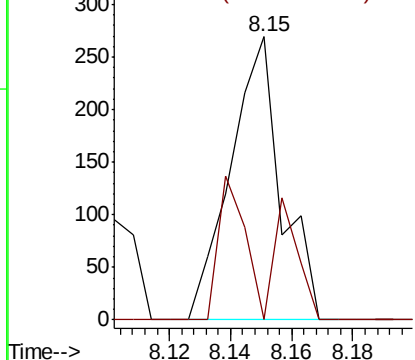


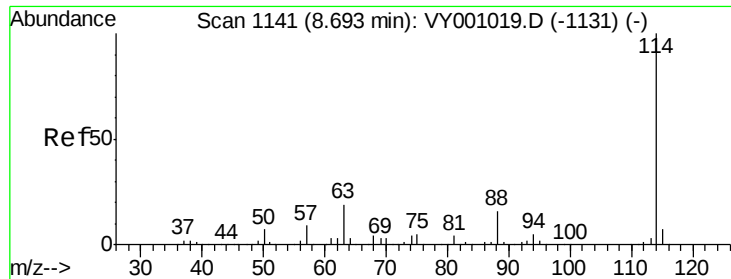
#33
1,2-Dichloroethane-d4
Concen: 40.478 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Tgt Ion: 65 Resp: 309
Ion Ratio Lower Upper
65 100
67 20.1 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# 1140

Delta R.T. -0.01 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF003-01RE

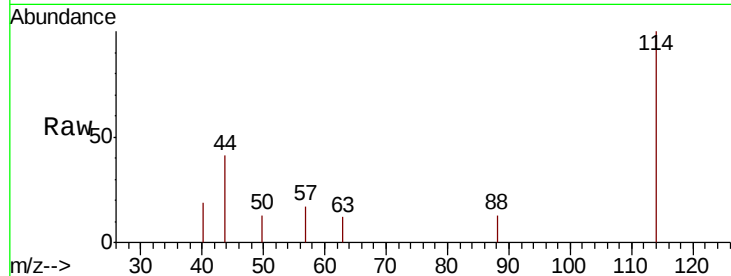
Tot Ion:114 Resp: 862

Ion Ratio Lower Upper

114 100

63 12.4 0.0 37.0

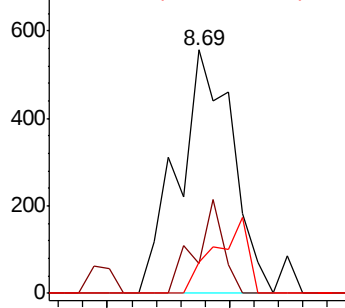
88 12.6 0.0 32.0



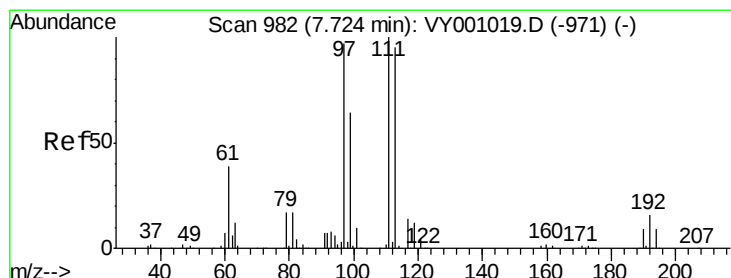
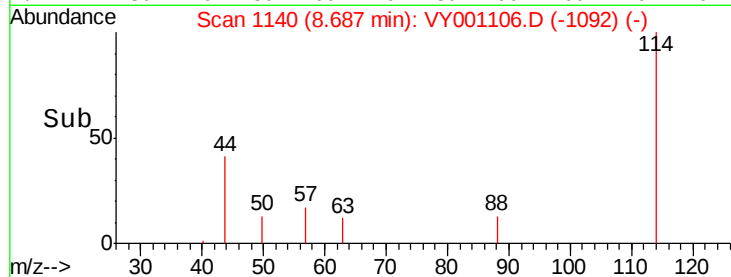
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



Time-->



#35

Dibromofluoromethane

Concen: 7.289 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.02 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

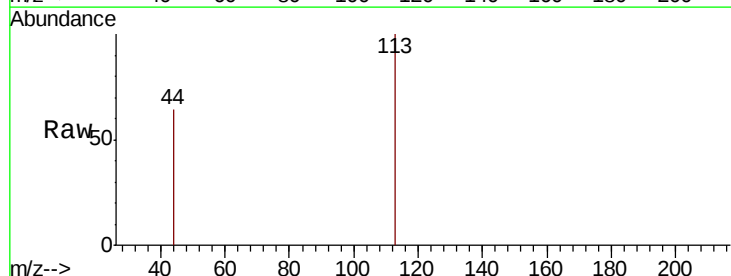
Tgt Ion:113 Resp: 37

Ion Ratio Lower Upper

113 100

111 0.0 83.0 124.4#

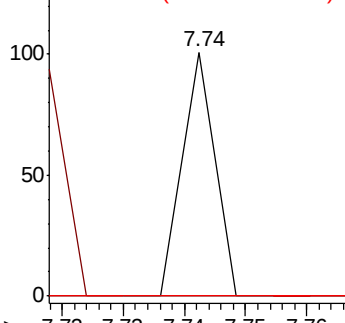
192 0.0 14.6 21.8#



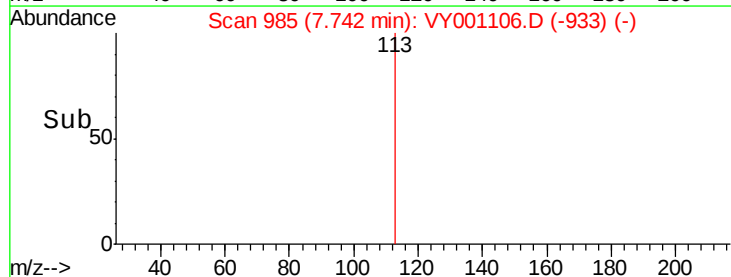
Abundance Ion 112.80 (112.50 to 113.50): V

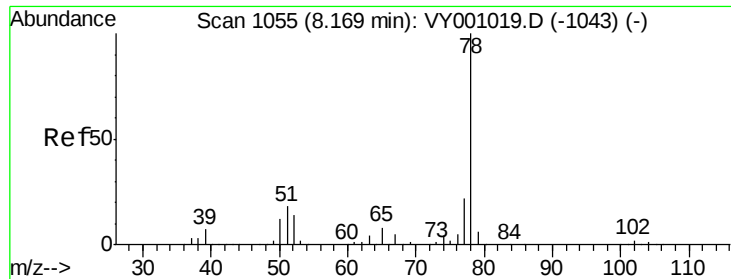
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->





#40

Benzene

Concen: 1.209 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

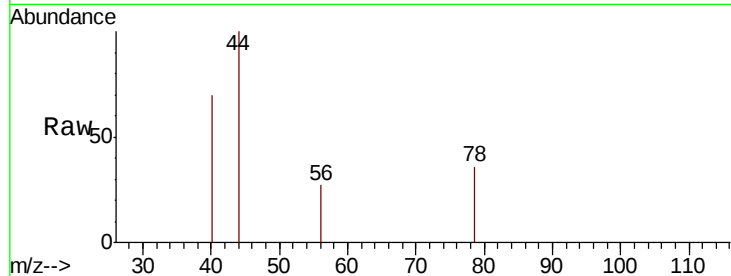
LIED-BF003-01RE

Tot Ion: 78 Resp: 30

Ion Ratio Lower Upper

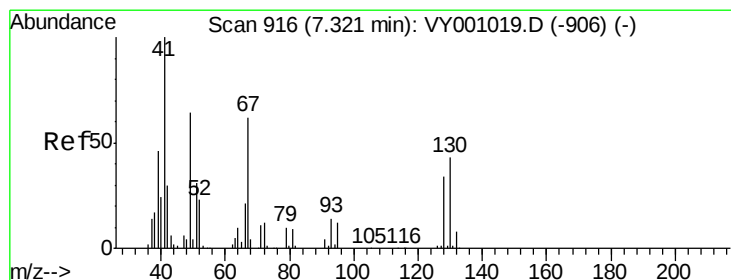
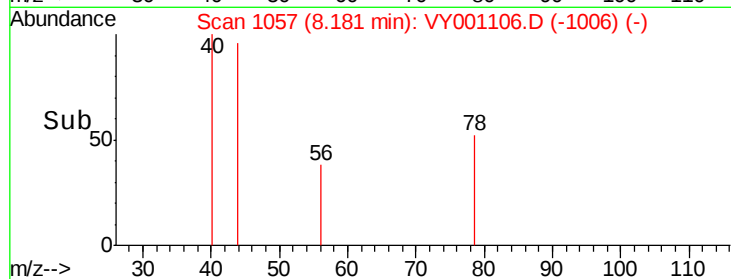
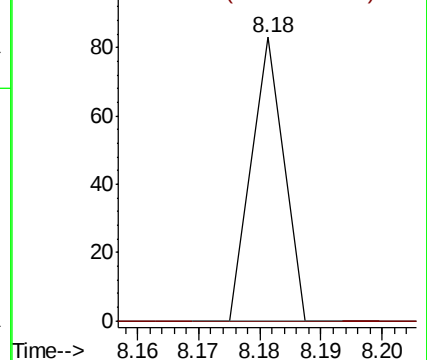
78 100

77 0.0 17.7 26.5#



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#41

Methacrylonitrile

Concen: 22.795 ug/l

RT: 7.19 min Scan# 895

Delta R.T. -0.13 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Tgt Ion: 41 Resp: 45

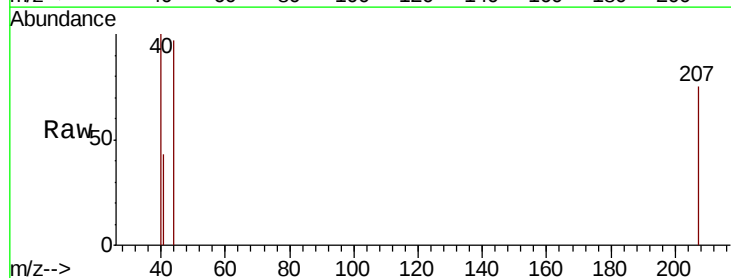
Ion Ratio Lower Upper

41 100

39 86.7 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

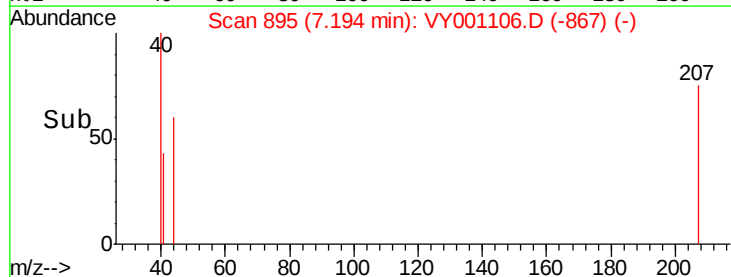
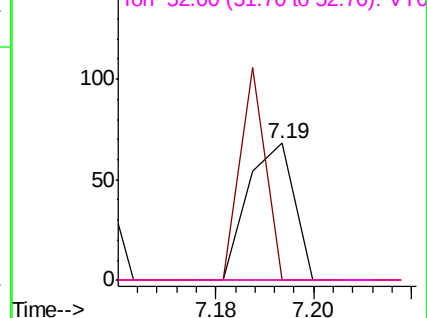


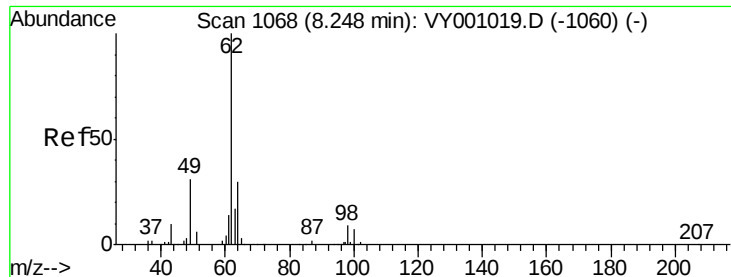
Abundance Ion 41.00 (40.70 to 41.70): VY0

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





#42

1,2-Dichloroethane

Concen: 3.709 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. -0.07 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

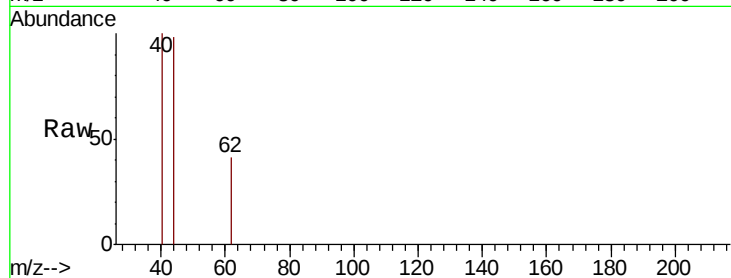
LIED-BF003-01RE

Tot Ion: 62 Resp: 22

Ion Ratio Lower Upper

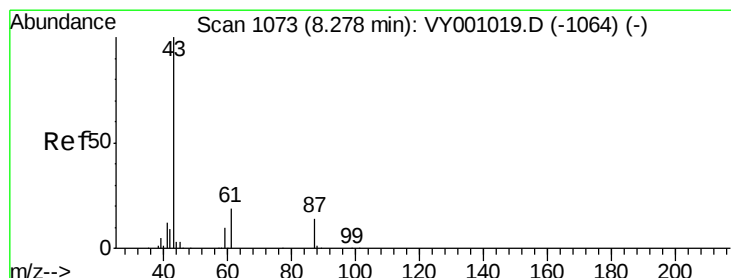
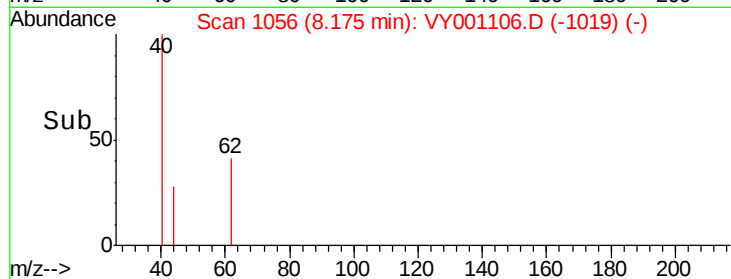
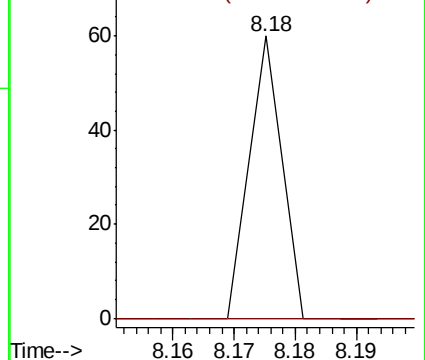
62 100

98 0.0 0.0 23.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#43

Isopropyl Acetate

Concen: 3.322 ug/l

RT: 8.33 min Scan# 1081

Delta R.T. 0.05 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

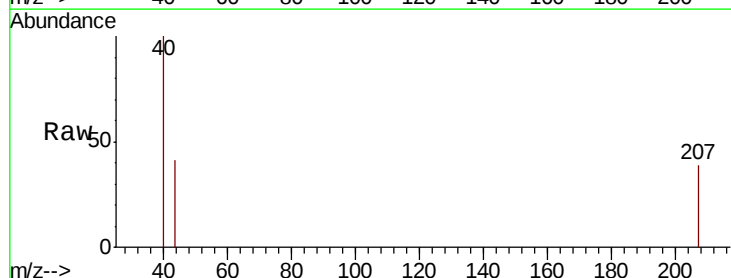
Tgt Ion: 43 Resp: 28

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

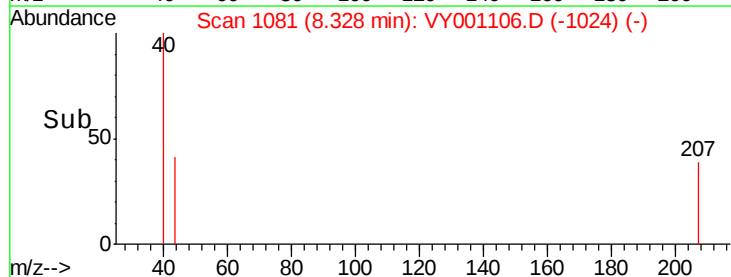
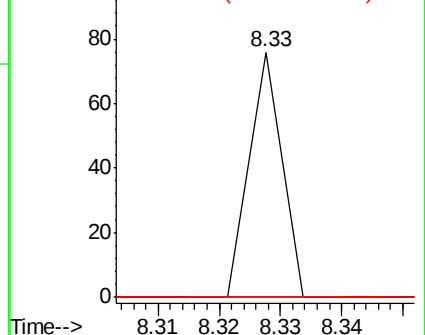
87 0.0 12.0 18.0#

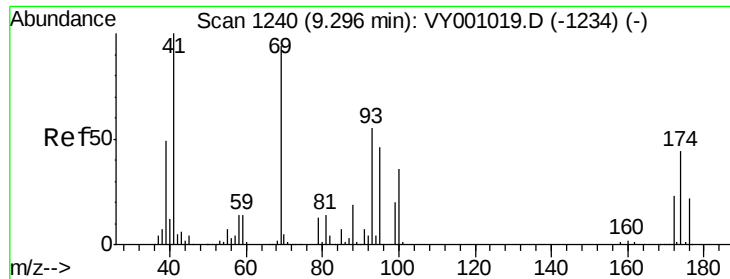


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

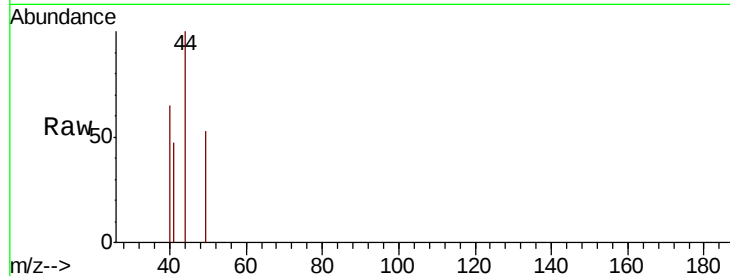




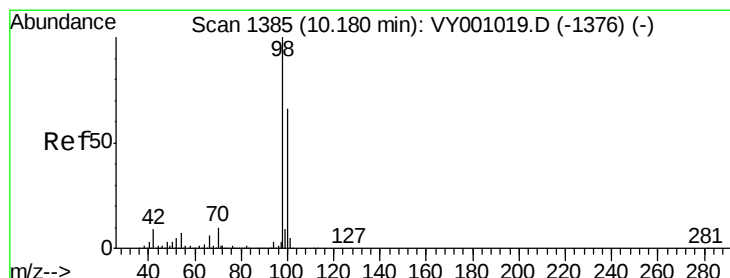
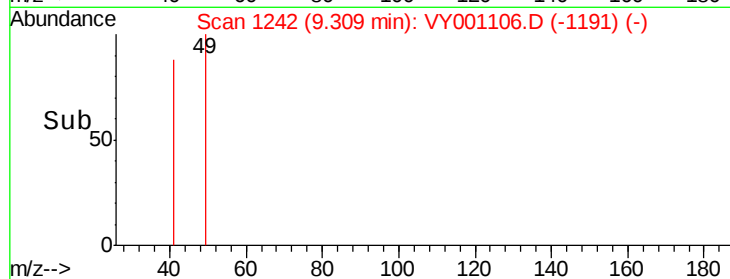
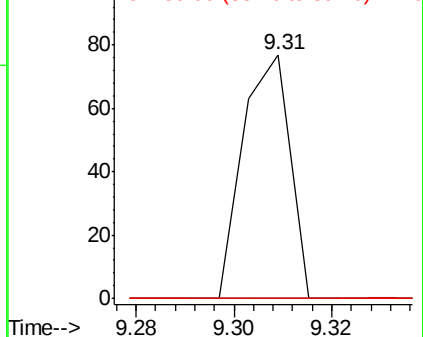
#48
Methvl methacrylate
Concen: 14.178 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF003-01RE

Tot Ion: 41 Resp: 51
Ion Ratio Lower Upper
41 100
69 0.0 79.8 119.6#
39 0.0 41.7 62.5#

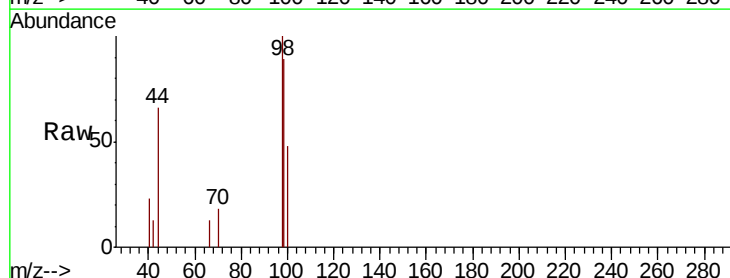


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

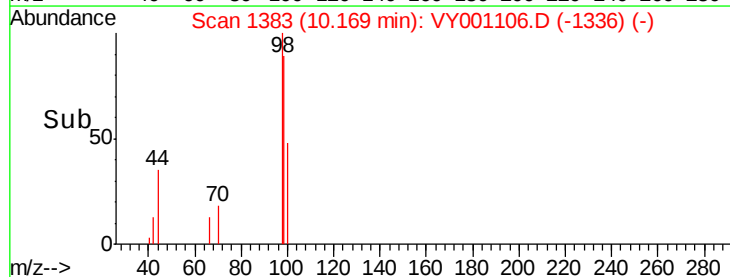
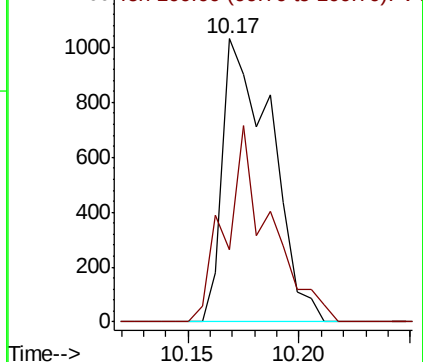


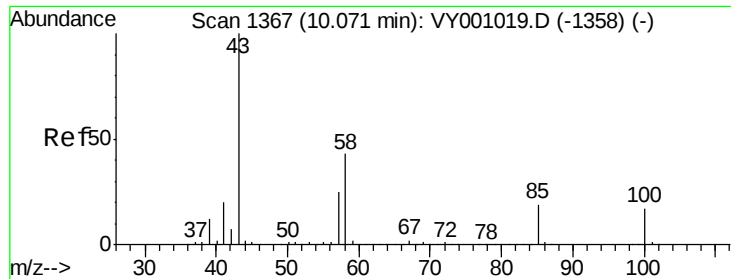
#50
Toluene-d8
Concen: 78.894 ug/l
RT: 10.17 min Scan# 1383
Delta R.T. -0.01 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Tgt Ion: 98 Resp: 1565
Ion Ratio Lower Upper
98 100
100 63.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 23.445 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.02 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

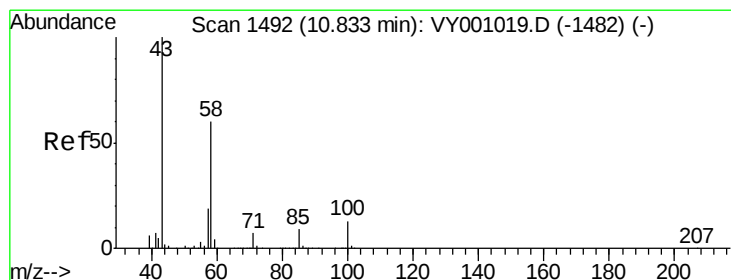
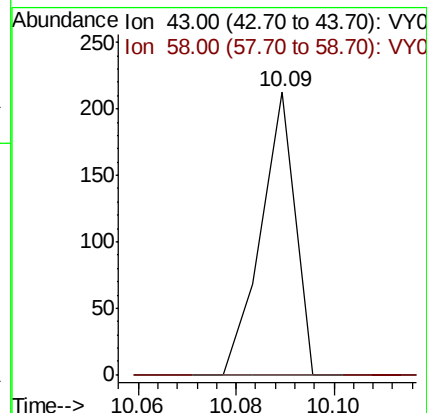
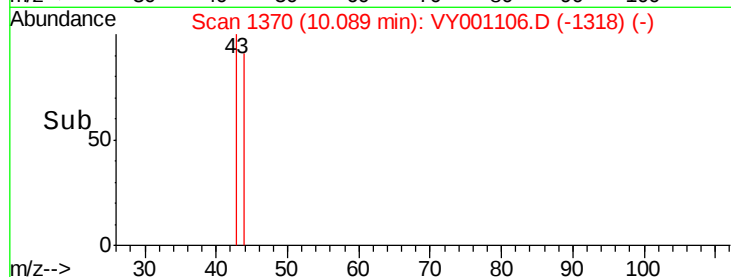
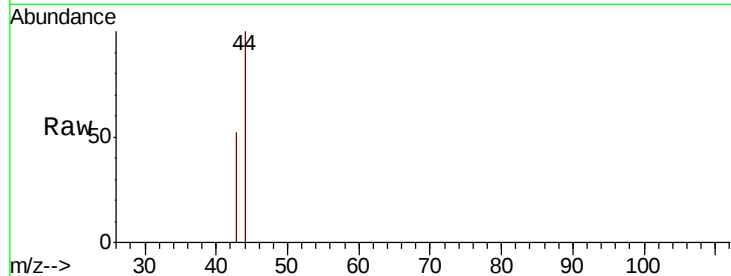
LIED-BF003-01RE

Tot Ion: 43 Resp: 103

Ion Ratio Lower Upper

43 100

58 0.0 34.6 52.0#



#59

2-Hexanone

Concen: 25.000 ug/l

RT: 11.06 min Scan# 1529

Delta R.T. 0.23 min

Lab File: VY001106.D

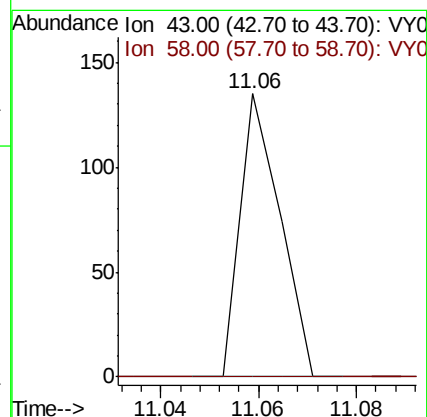
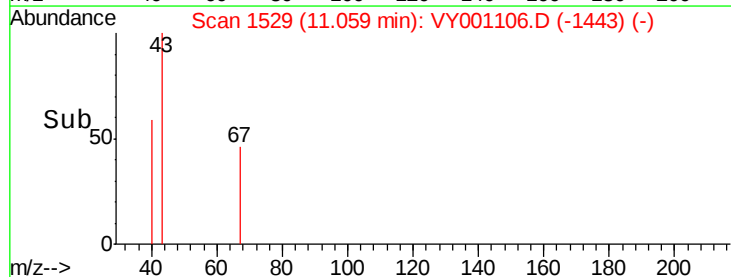
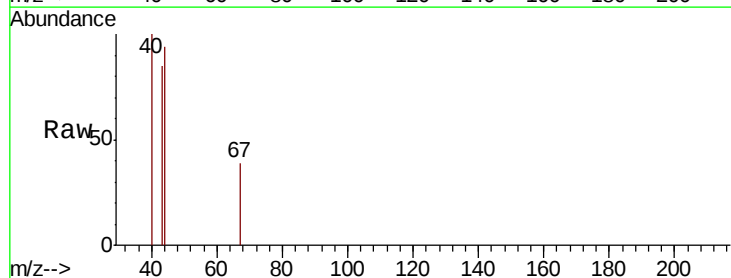
Acq: 27 Dec 2019 18:18

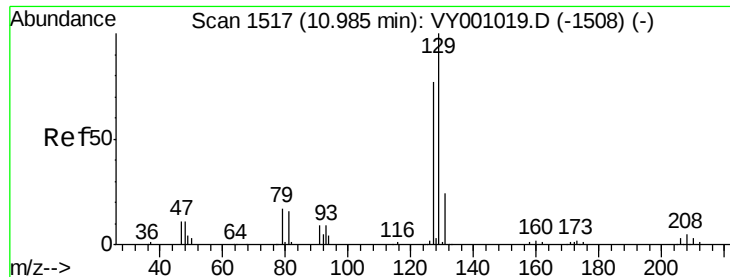
Tgt Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

58 0.0 30.6 91.6#





#60

Dibromochloromethane

Concen: 3.714 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.19 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

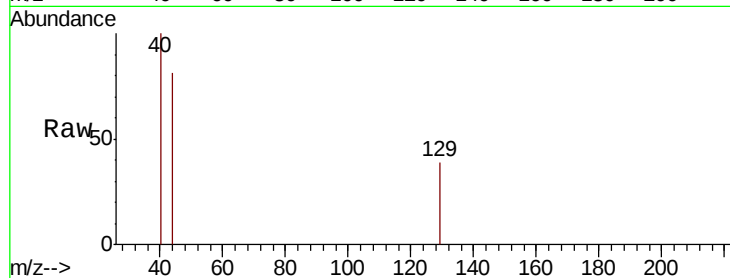
LIED-BF003-01RE

Tot Ion:129 Resp: 19

Ion Ratio Lower Upper

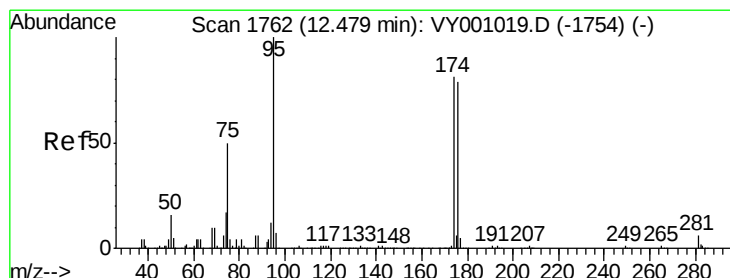
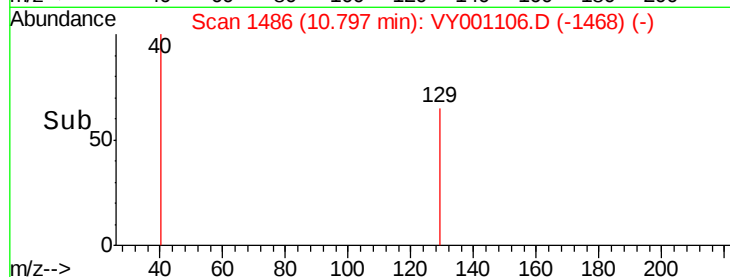
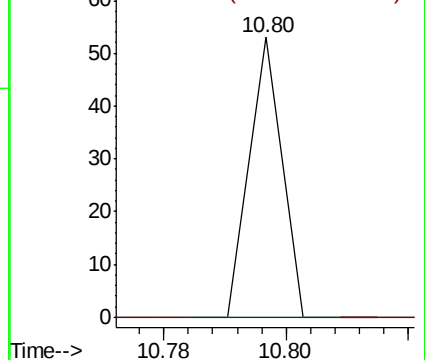
129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 39.572 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

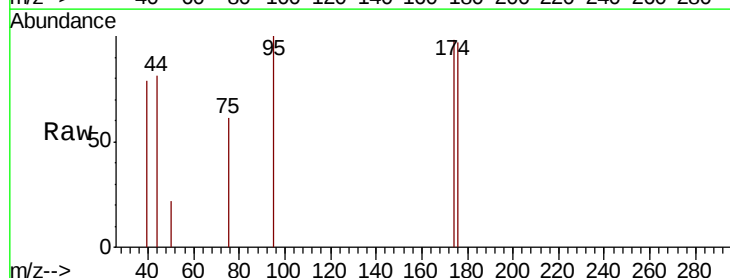
Tgt Ion: 95 Resp: 287

Ion Ratio Lower Upper

95 100

174 96.2 0.0 156.4

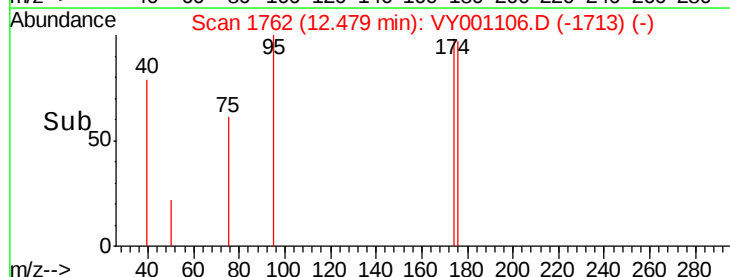
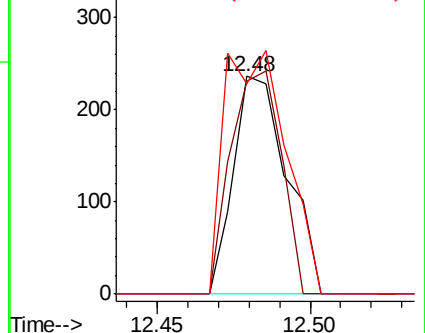
176 129.3 0.0 155.0

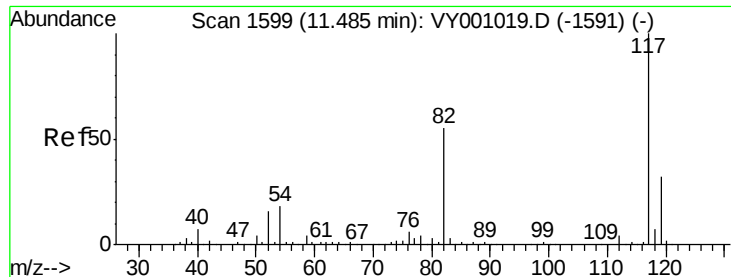


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

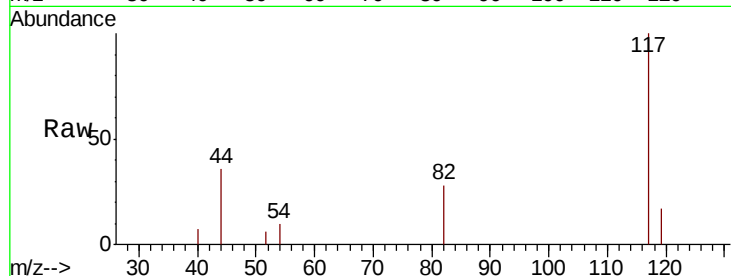




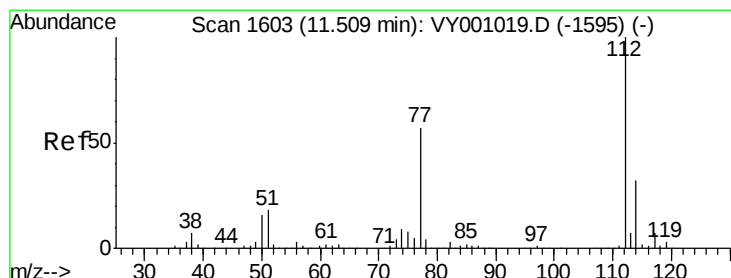
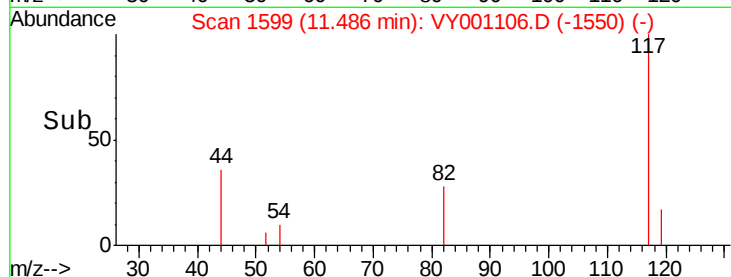
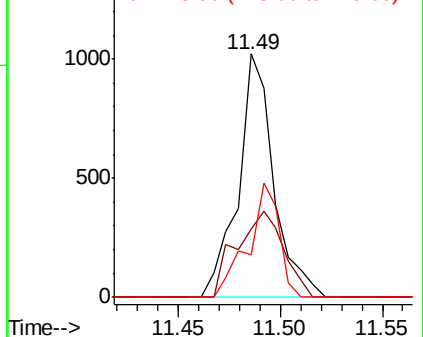
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF003-01RE

Tot Ion:117 Resp: 1238
Ion Ratio Lower Upper
117 100
82 28.1 43.8 65.8#
119 17.4 25.8 38.6#

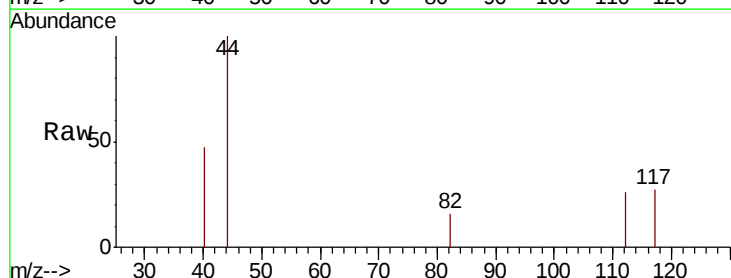


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

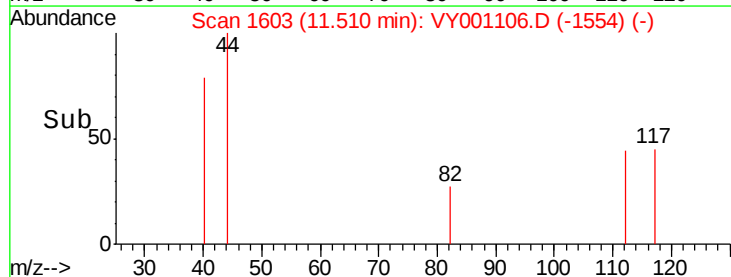
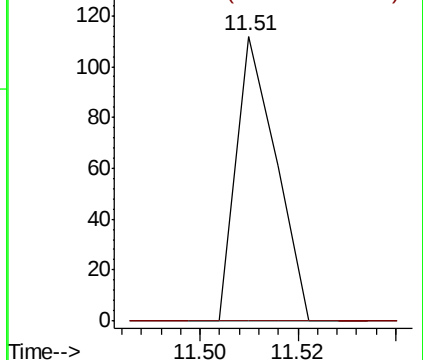


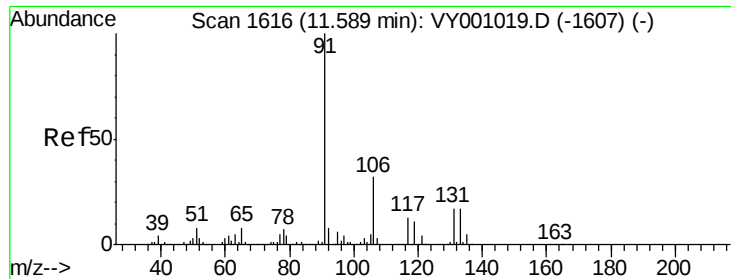
#65
Chlorobenzene
Concen: 2.453 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Tgt Ion:112 Resp: 63
Ion Ratio Lower Upper
112 100
114 0.0 25.4 38.2#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

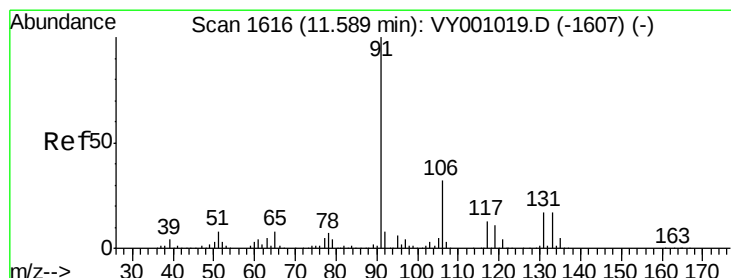
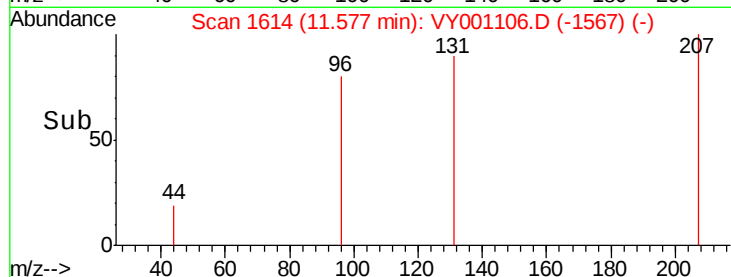
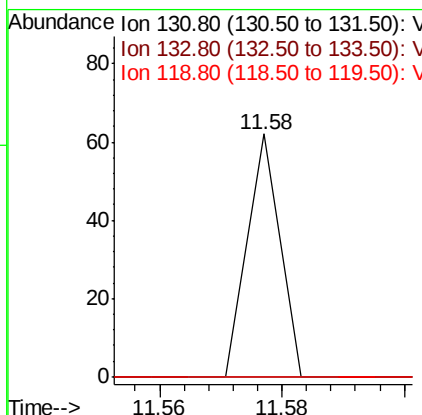
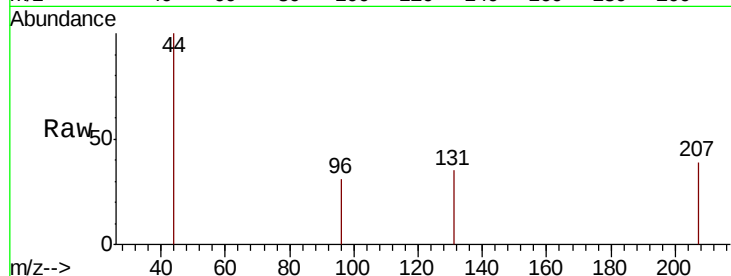




#66
 1,1,1,2-Tetrachloroethane
 Concen: 2.714 ug/l
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: VY001106.D
 Acq: 27 Dec 2019 18:18

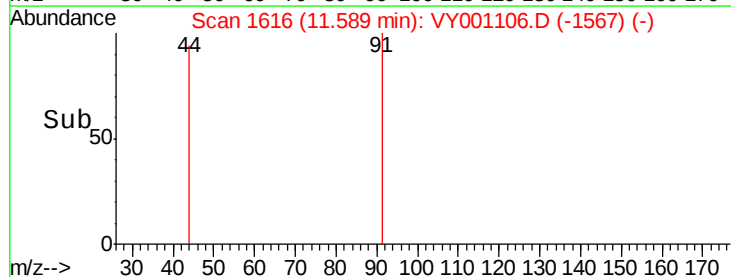
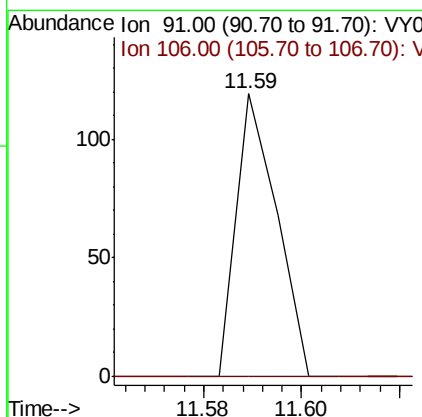
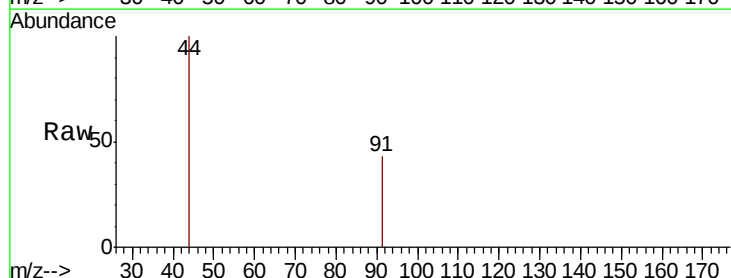
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF003-01RE

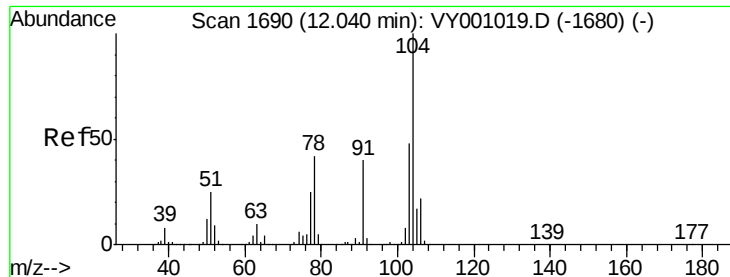
Tot Ion	Ratio	Lower	Upper
131	100		
133	0.0	48.1	144.4#
119	0.0	34.0	101.8#



#67
 Ethyl Benzene
 Concen: 1.472 ug/l
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: VY001106.D
 Acq: 27 Dec 2019 18:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	25.3	37.9#

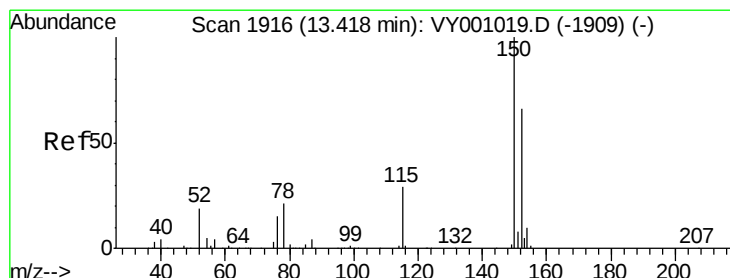
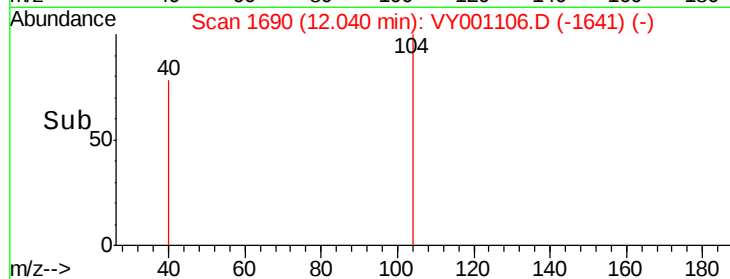
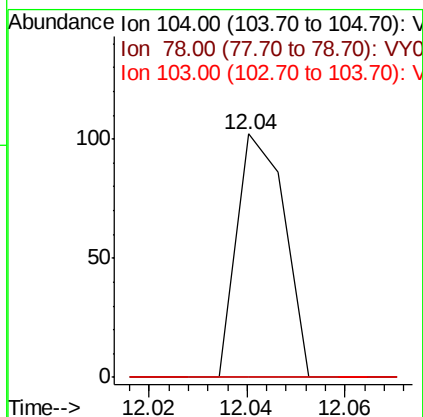
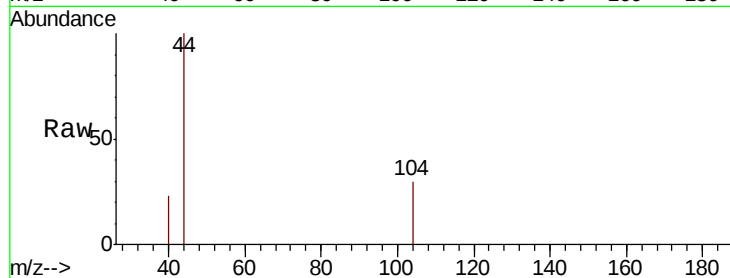




#70
Stvrene
Concen: 2.459 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

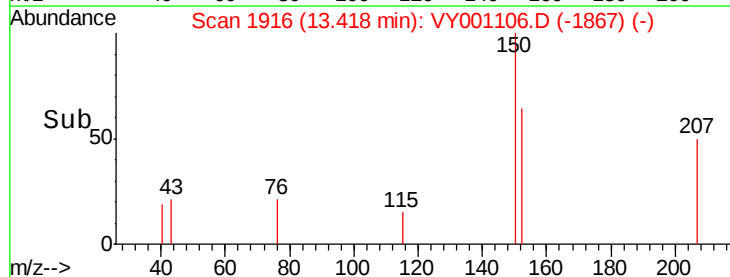
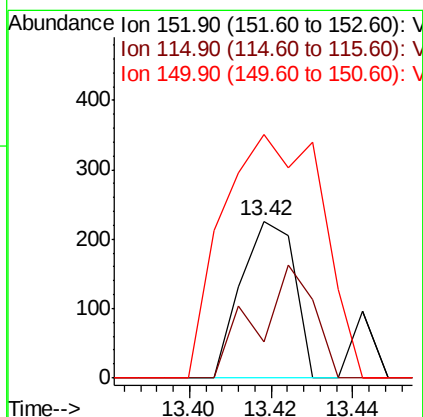
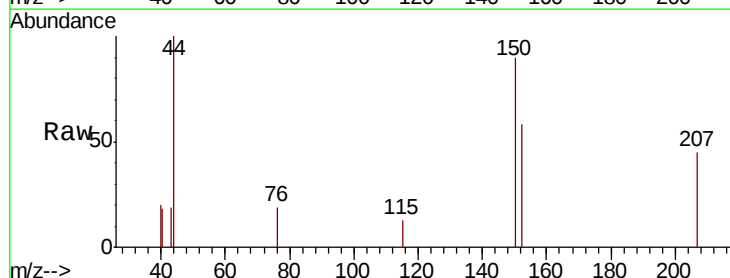
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF003-01RE

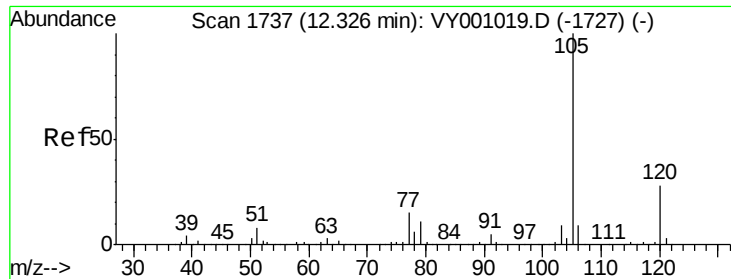
Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	36.6	54.8#
103	0.0	42.6	64.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.2	29.8	89.3
150	289.3	0.0	352.6





#73

Isopropylbenzene

Concen: 1.443 ug/l

RT: 12.57 min Scan# 1777

Delta R.T. 0.24 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

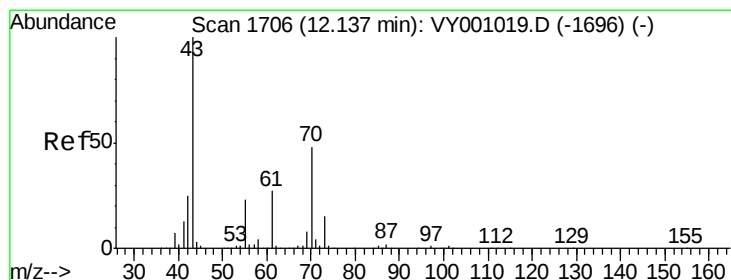
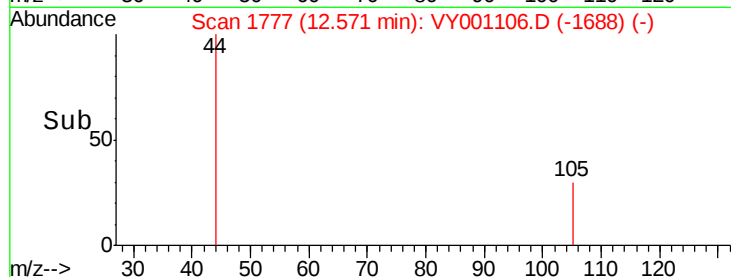
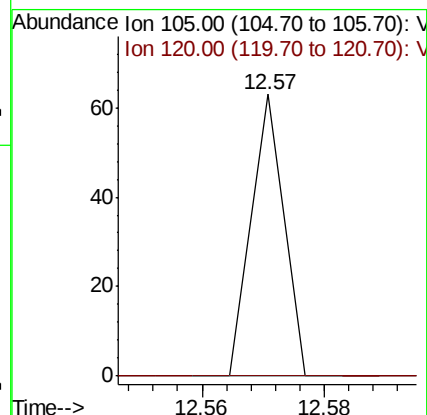
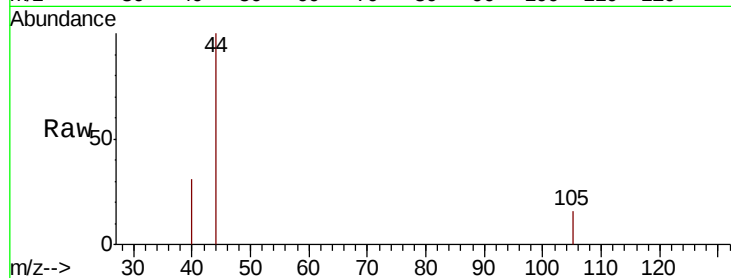
LIED-BF003-01RE

Tot Ion: 105 Resp: 23

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.2#



#74

N-ethyl acetate

Concen: 19.580 ug/l

RT: 12.30 min Scan# 1732

Delta R.T. 0.16 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Tgt Ion: 43 Resp: 82

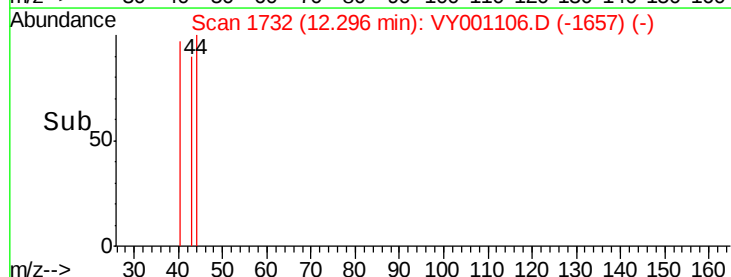
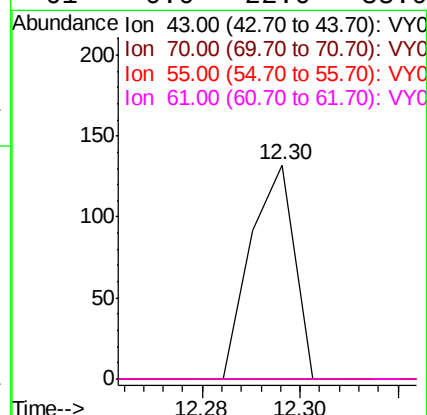
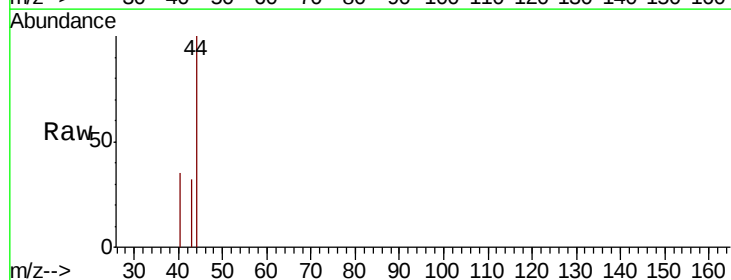
Ion Ratio Lower Upper

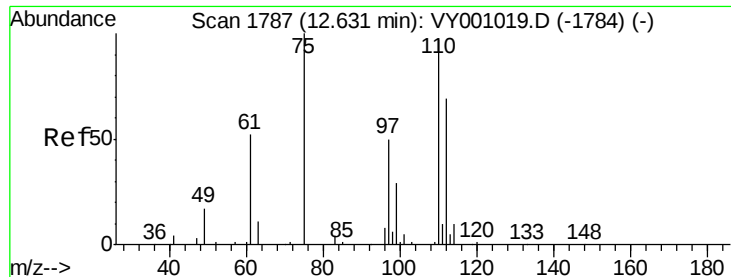
43 100

70 0.0 39.0 58.6#

55 0.0 19.5 29.3#

61 0.0 22.0 33.0#





#76

1,2,3-Trichloropropane

Concen: 29.533 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

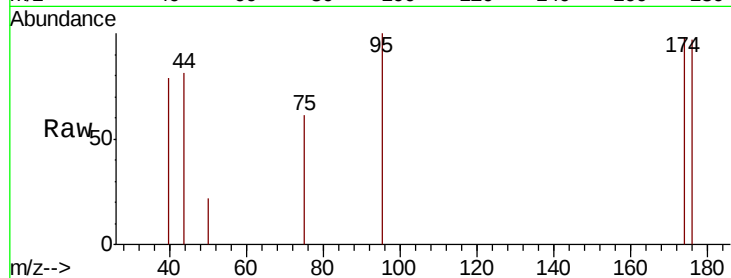
LIED-BF003-01RE

Tot Ion: 75 Resp: 75

Ion Ratio Lower Upper

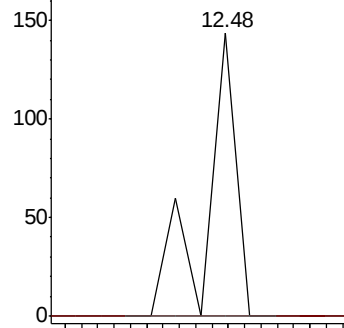
75 100

77 0.0 0.0 0.0

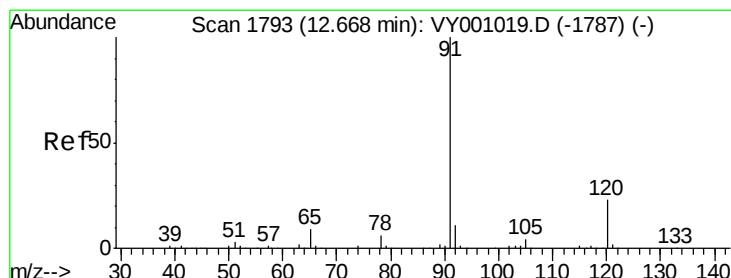
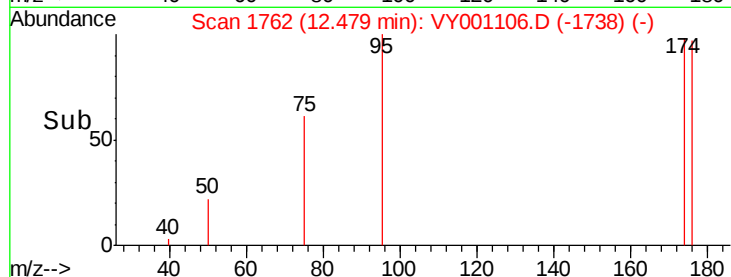


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.44 12.46 12.48 12.50



#78

n-propylbenzene

Concen: 6.332 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001106.D

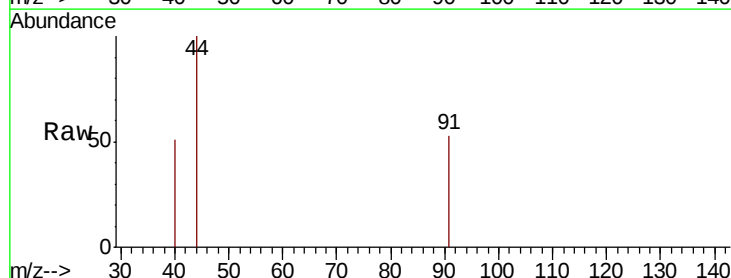
Acq: 27 Dec 2019 18:18

Tgt Ion: 91 Resp: 123

Ion Ratio Lower Upper

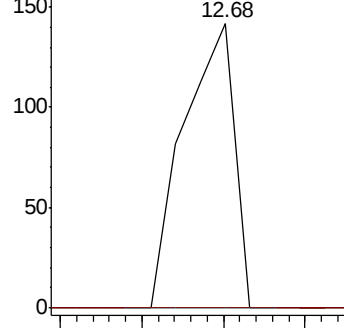
91 100

120 0.0 11.4 34.2#

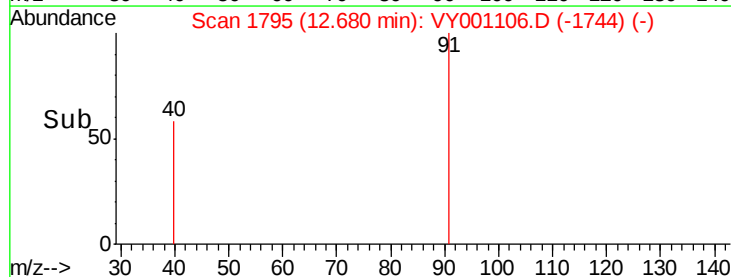


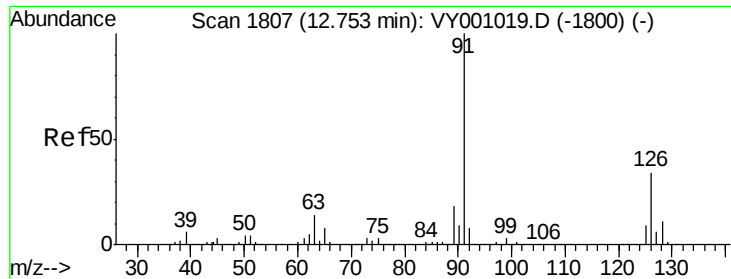
Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V



Time--> 12.64 12.66 12.68 12.70

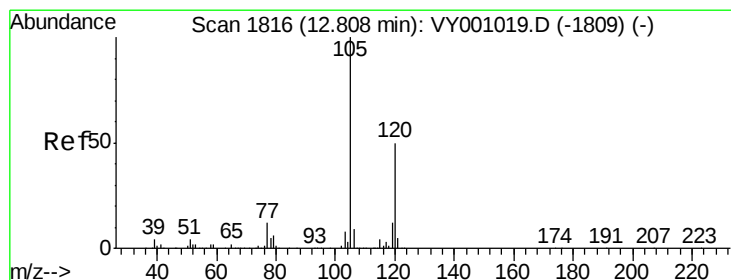
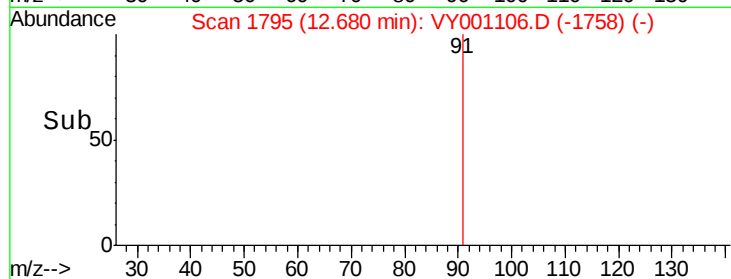
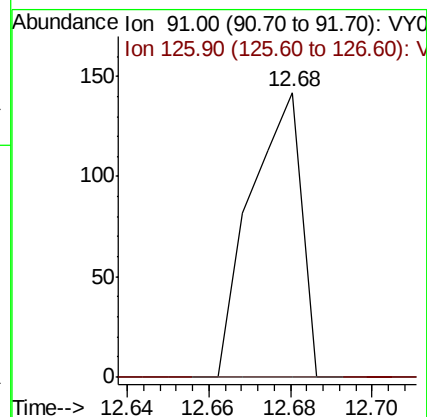
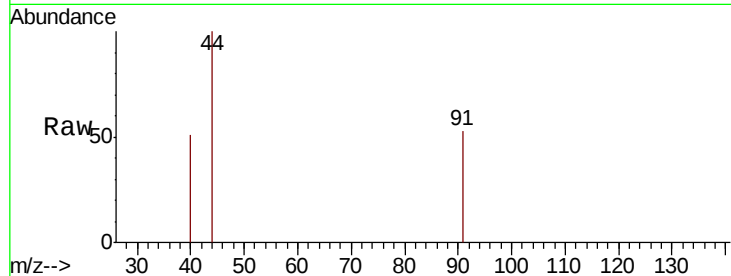




#79
2-Chlorotoluene
Concen: 11.466 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. -0.07 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

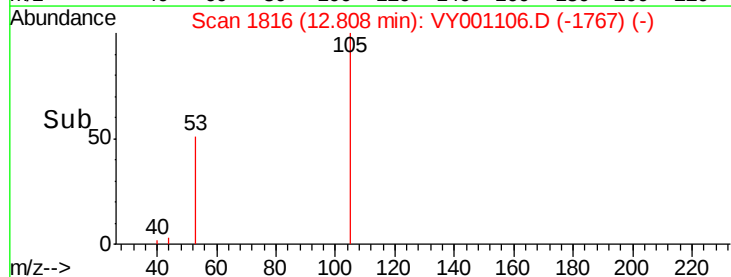
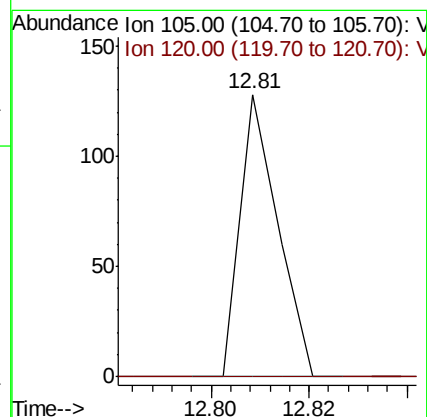
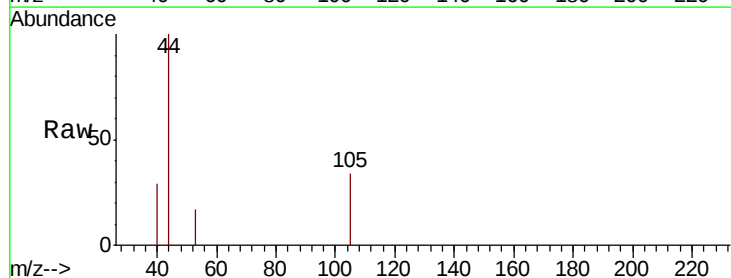
Instrument :
MSVOA_Y
ClientSampleId :
LIED-BF003-01RE

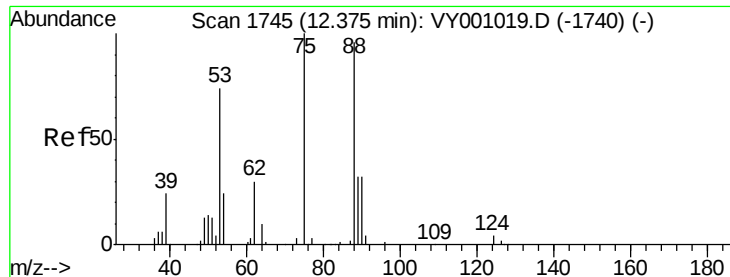
Tot Ion: 91 Resp: 123
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.7#



#80
1,3,5-Trimethylbenzene
Concen: 5.281 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY001106.D
Acq: 27 Dec 2019 18:18

Tgt Ion:105 Resp: 69
Ion Ratio Lower Upper
105 100
120 0.0 25.1 75.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 62.986 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF003-01RE

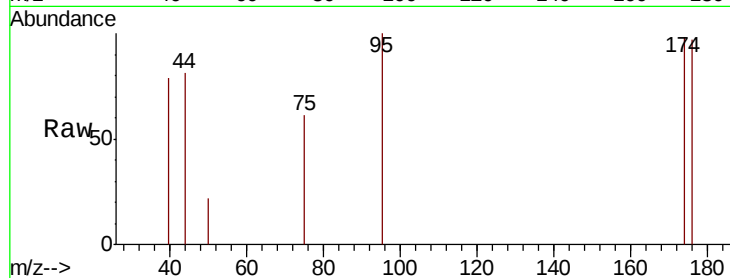
Tot Ion: 75 Resp: 75

Ion Ratio Lower Upper

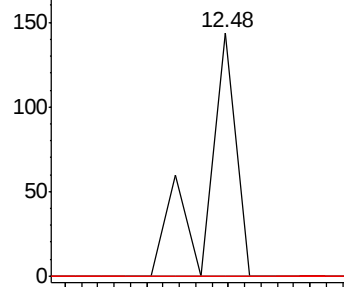
75 100

53 0.0 60.6 91.0#

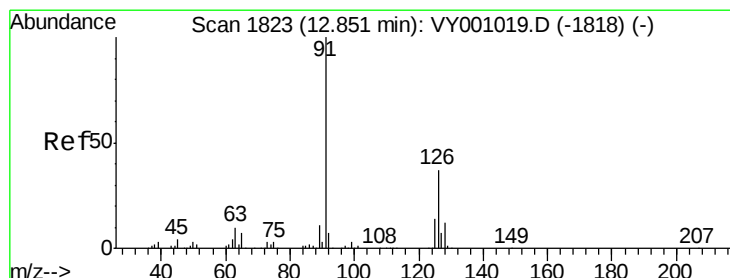
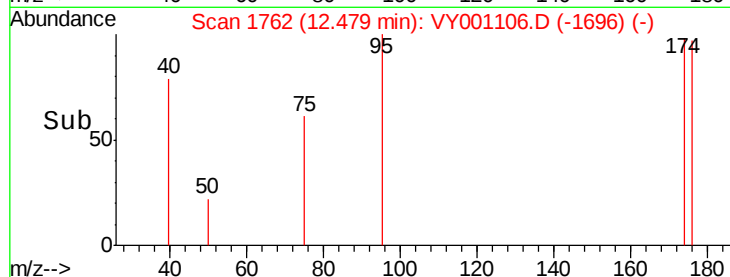
89 0.0 35.4 53.0#



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



Time--> 12.44 12.46 12.48 12.50



#82

4-Chlorotoluene

Concen: 11.039 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.17 min

Lab File: VY001106.D

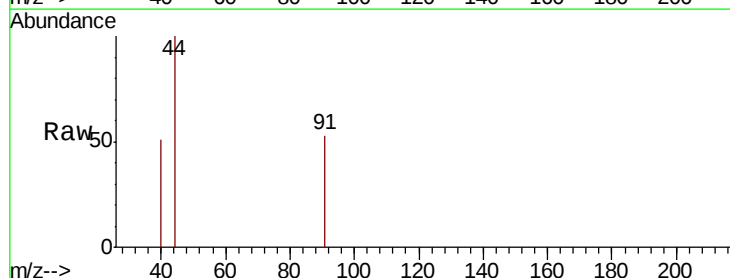
Acq: 27 Dec 2019 18:18

Tgt Ion: 91 Resp: 123

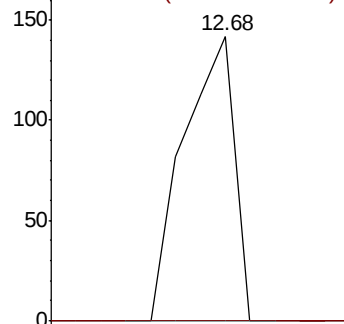
Ion Ratio Lower Upper

91 100

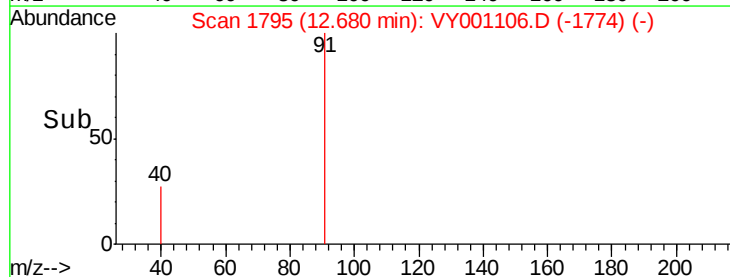
126 0.0 17.6 52.8#

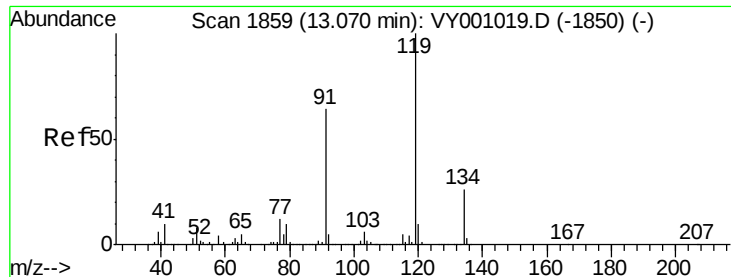


Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V



Time--> 12.64 12.66 12.68 12.70

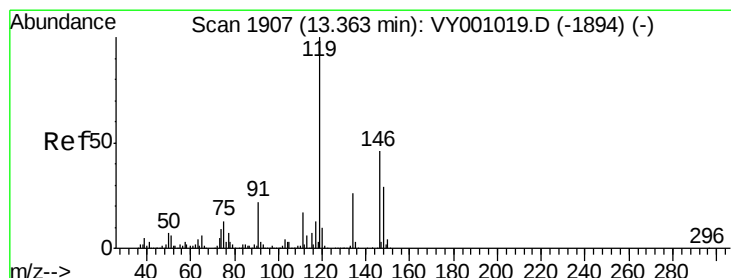
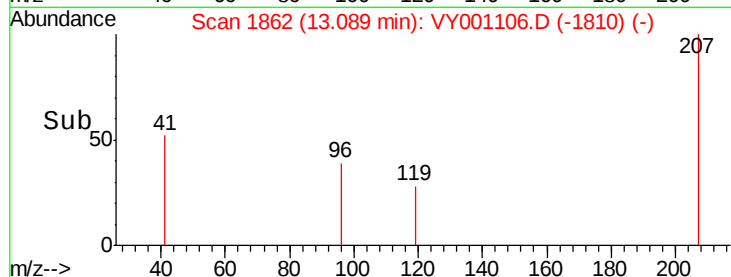
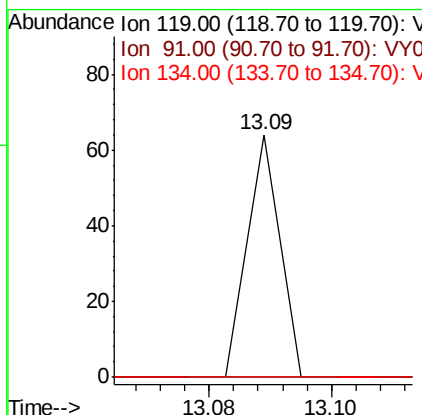
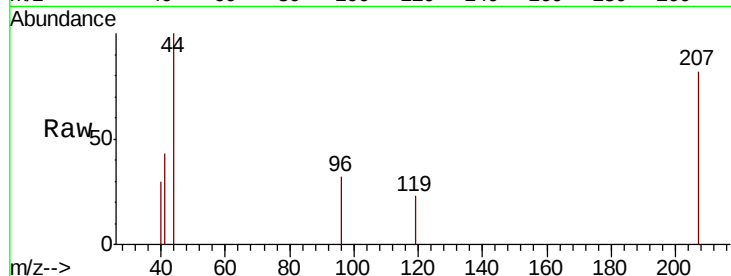




#83
 tert-Butylbenzene
 Concen: 2.097 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.02 min
 Lab File: VY001106.D
 Acq: 27 Dec 2019 18:18

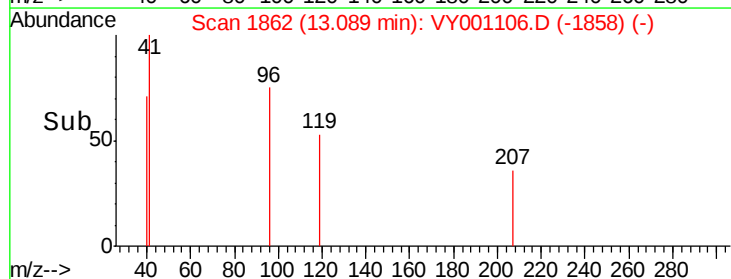
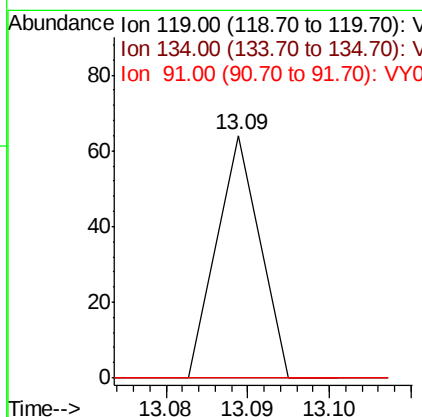
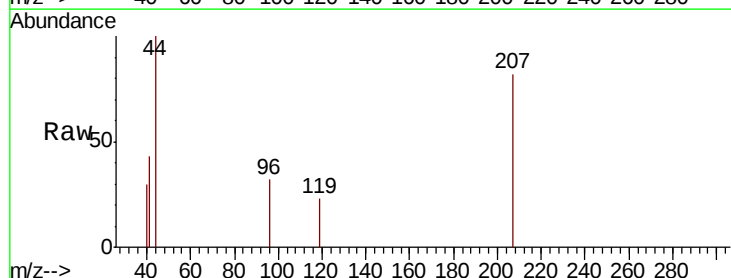
Instrument :
 MSVOA_Y
 ClientSampleId :
 LIED-BF003-01RE

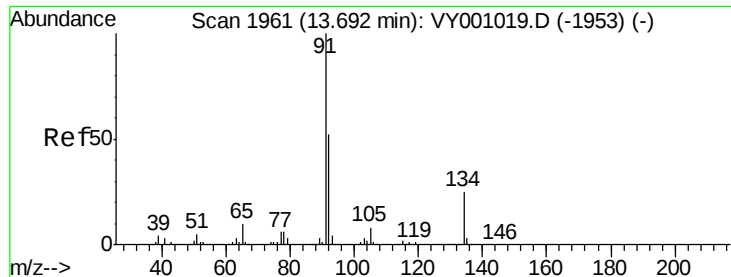
Tot Ion:	119	Resp:	23
Ion	Ratio	Lower	Upper
119	100		
91	0.0	31.9	95.7#
134	0.0	13.6	40.7#



#86
 p-Isopropyltoluene
 Concen: 1.644 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. -0.27 min
 Lab File: VY001106.D
 Acq: 27 Dec 2019 18:18

Tgt Ion:	119	Resp:	23
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.6	40.7#
91	0.0	11.4	34.1#





#89

n-Butylbenzene

Concen: 1.847 ug/l

RT: 13.55 min Scan# 1938

Delta R.T. -0.14 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF003-01RE

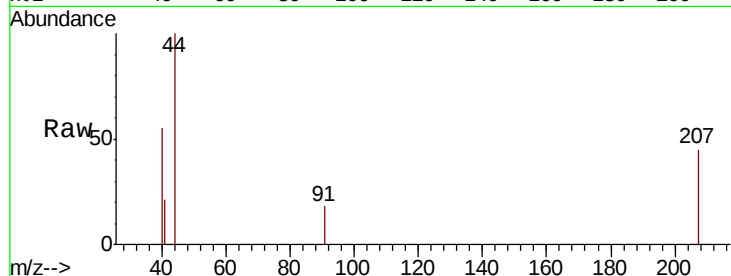
Tot Ion: 91 Resp: 26

Ion Ratio Lower Upper

91 100

92 0.0 26.9 80.7#

134 0.0 12.7 38.0#

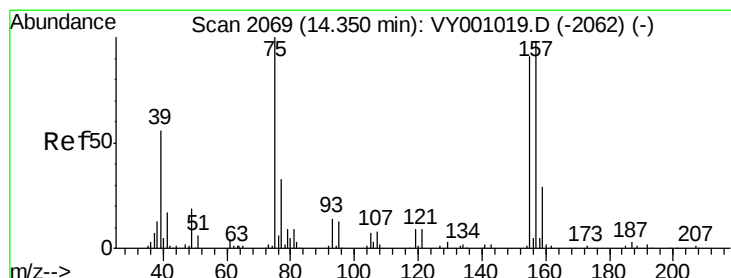
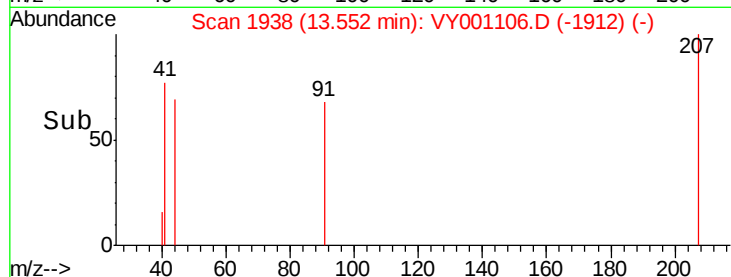


Abundance Ion 91.00 (90.70 to 91.70): VY001106.D (-1912) (-)

Ion 92.00 (91.70 to 92.70): VY001106.D (-1912) (-)

Ion 134.00 (133.70 to 134.70): VY001106.D (-1912) (-)

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 85.646 ug/l

RT: 14.48 min Scan# 2091

Delta R.T. 0.13 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

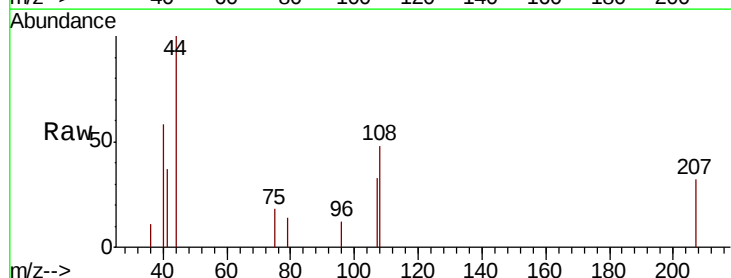
Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.9#

157 0.0 58.1 174.4#

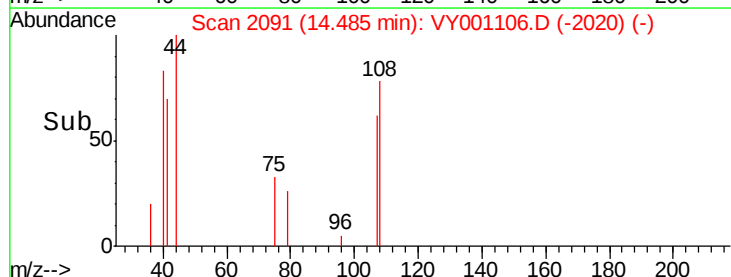


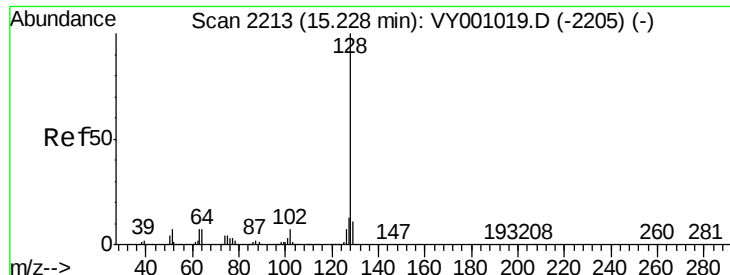
Abundance Ion 74.90 (74.60 to 75.60): VY001106.D (-2020) (-)

Ion 154.80 (154.50 to 155.50): VY001106.D (-2020) (-)

Ion 156.80 (156.50 to 157.50): VY001106.D (-2020) (-)

Time-->





#95

Naphthalene

Concen: 1.884 ug/l

RT: 15.22 min Scan# 2212

Delta R.T. -0.01 min

Lab File: VY001106.D

Acq: 27 Dec 2019 18:18

Instrument :

MSVOA_Y

ClientSampleId :

LIED-BF003-01RE

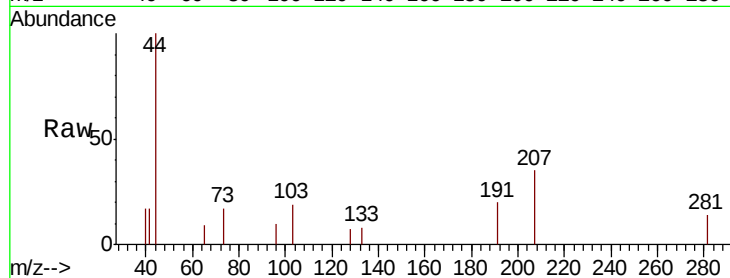
Tot Ion:128 Resp: 19

Ion Ratio Lower Upper

128 100

127 100.0 9.9 14.9#

129 0.0 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

