

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021020\
 Data File : VY001586.D
 Acq On : 10 Feb 2020 15:26
 Operator : SY/MD
 Sample : L1456-04RE
 Misc : 5.67G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-337-290RE

Quant Time: Feb 11 05:59:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	8003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	9936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	3683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	691	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	1141	14.16	ug/l	0.00
Spiked Amount			Recovery	=	28.32%	
35) Dibromofluoromethane	7.74	113	1582	27.61	ug/l	0.00
Spiked Amount			Recovery	=	55.22%	
50) Toluene-d8	10.19	98	10124	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.49	95	1076	12.60	ug/l	0.00
Spiked Amount			Recovery	=	25.20%	

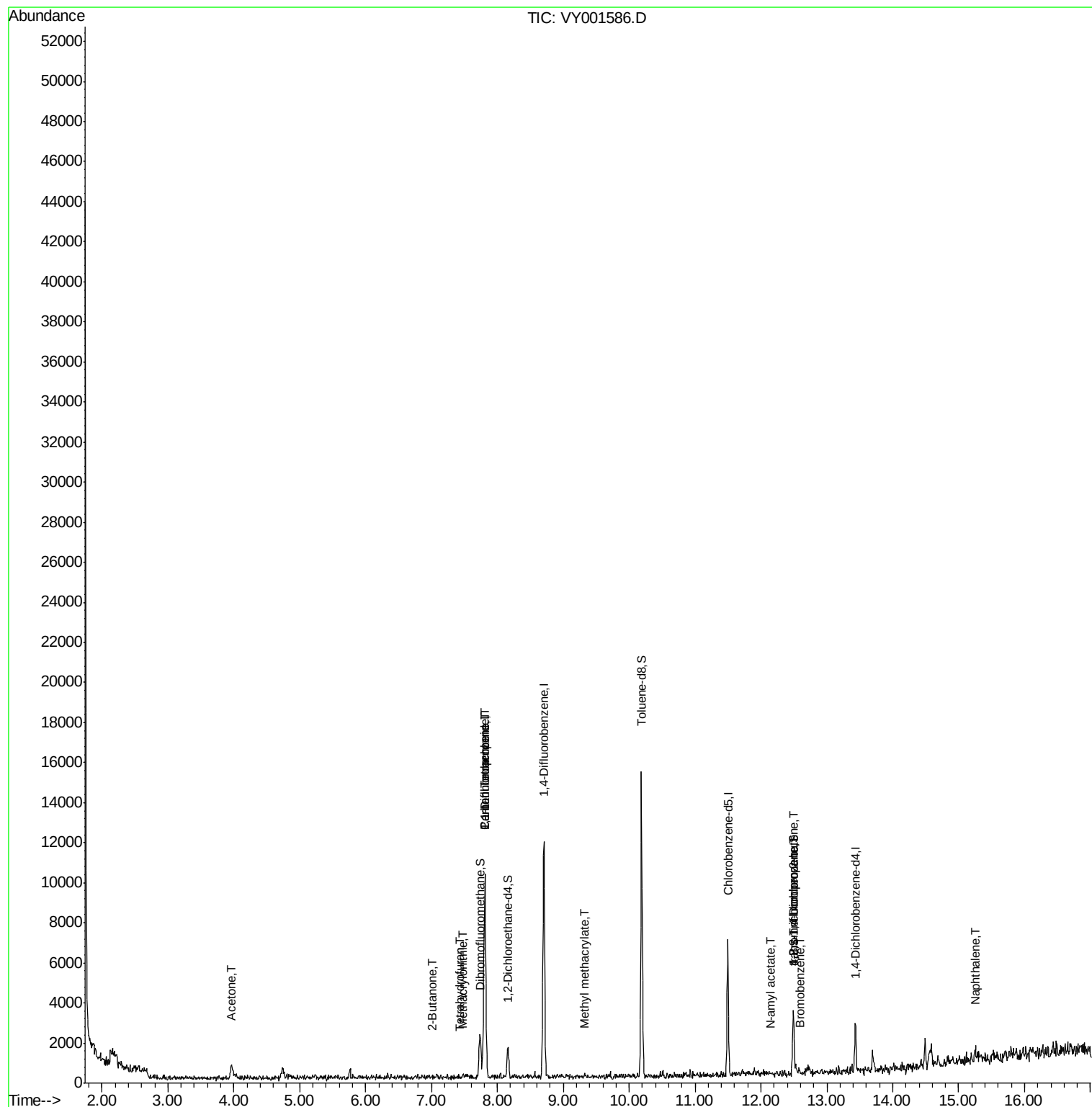
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.97	43	1357	58.220	ug/l	97
20) Methylene Chloride	4.73	84	193	Below Cal	#	82
25) 2-Butanone	7.02	43	41	1.356	ug/l #	45
29) Tetrahydrofuran	7.44	42	22	1.214	ug/l #	31
36) 1,1-Dichloropropene	7.80	75	711	7.822	ug/l #	41
38) Carbon Tetrachloride	7.81	117	835	9.495	ug/l #	12
41) Methacrylonitrile	7.47	41	40	1.961	ug/l #	1
48) Methyl methacrylate	9.32	41	51	1.290	ug/l #	10
74) N-amyl acetate	12.15	43	55	4.016	ug/l #	40
76) 1,2,3-Trichloropropane	12.49	75	632	85.049	ug/l #	100
77) Bromobenzene	12.60	156	19	1.666	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	632	164.565	ug/l #	16
95) Naphthalene	15.25	128	101	3.220	ug/l #	69

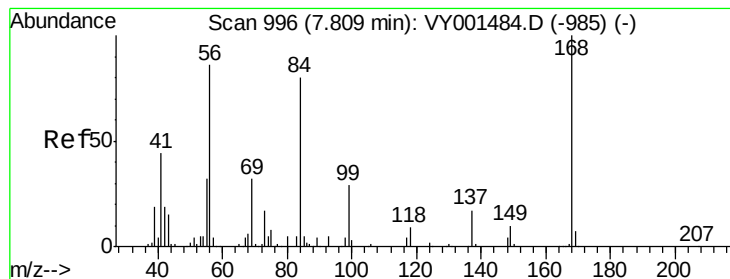
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

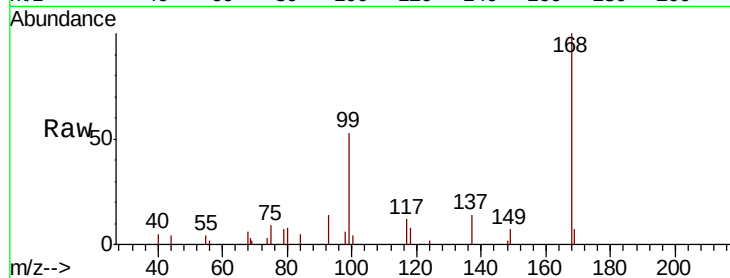
ETGI-337-290RE

Tot Ion:168 Resp: 8003

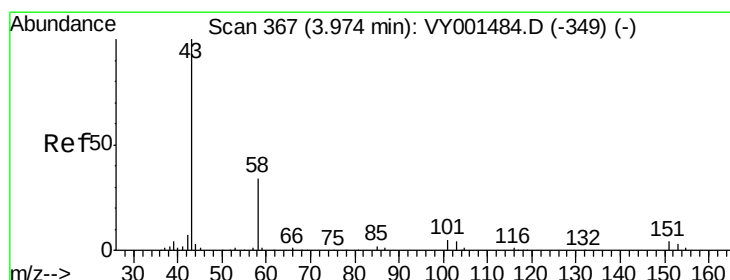
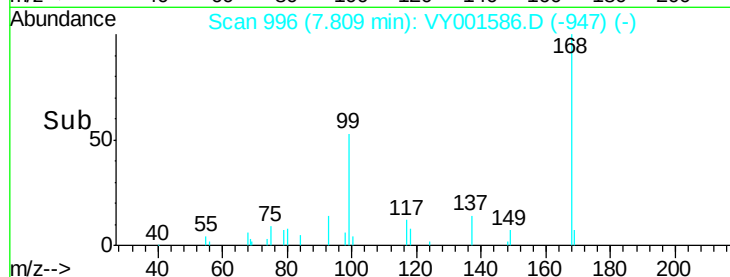
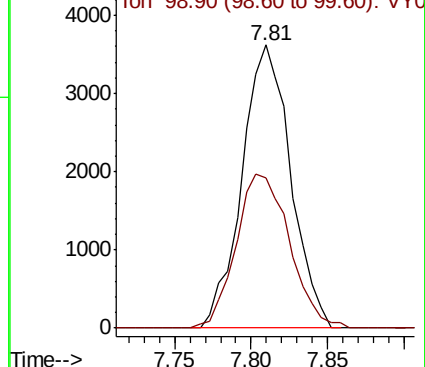
Ion Ratio Lower Upper

168 100

99 53.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001586.D (-947) (-)



#16

Acetone

Concen: 58.220 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001586.D

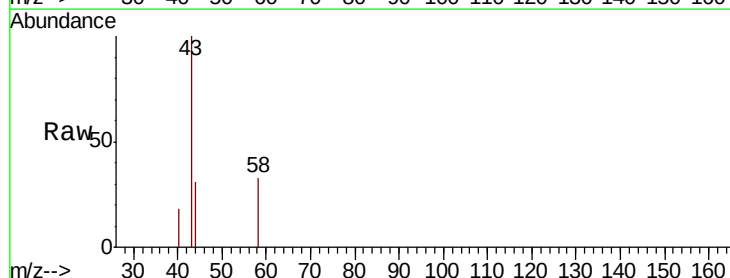
Acq: 10 Feb 2020 15:26

Tgt Ion: 43 Resp: 1357

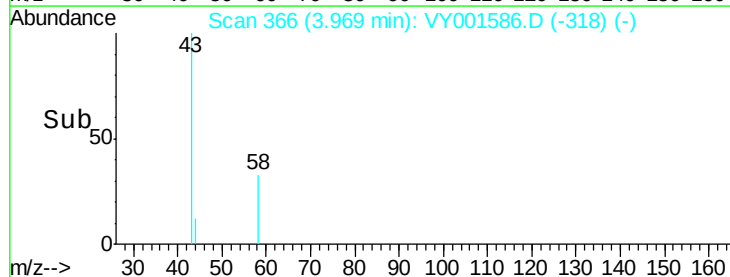
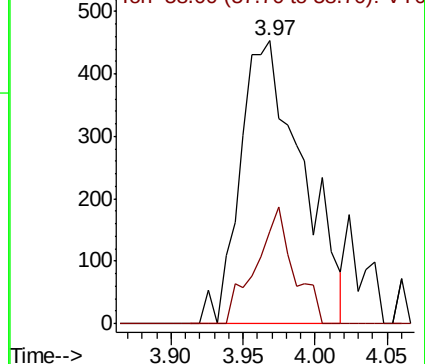
Ion Ratio Lower Upper

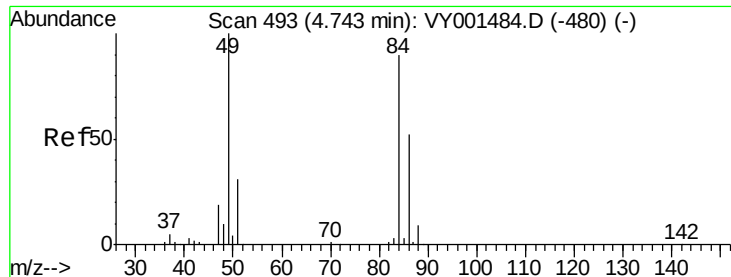
43 100

58 32.9 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY001586.D (-318) (-)

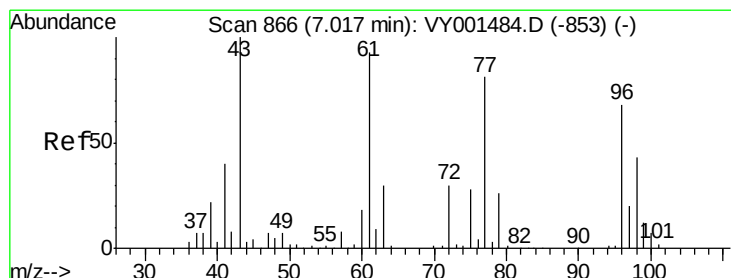
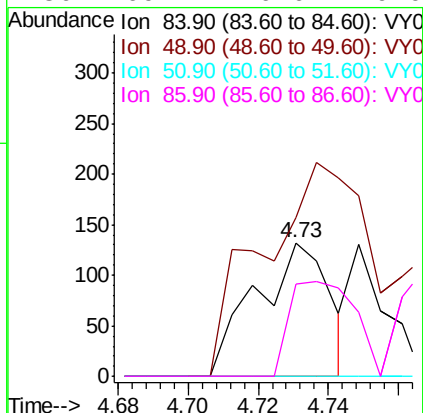
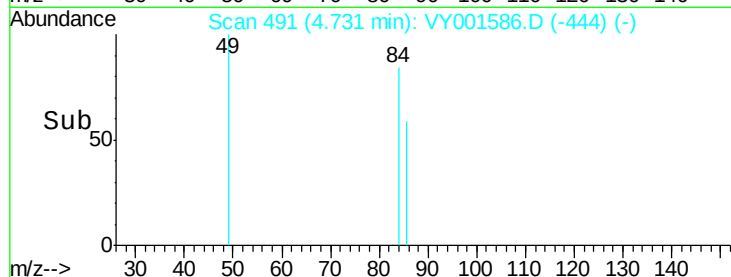
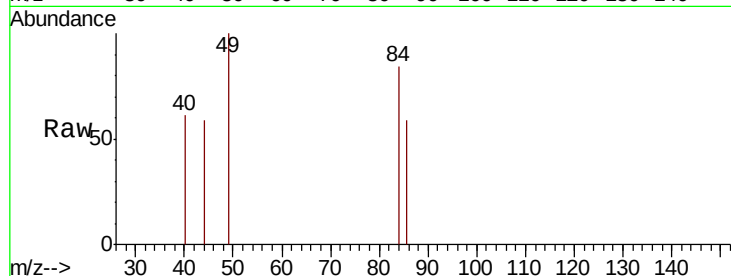




#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

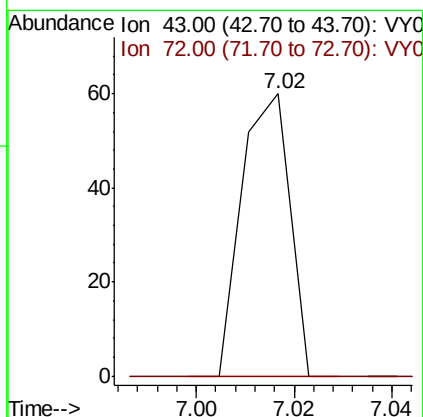
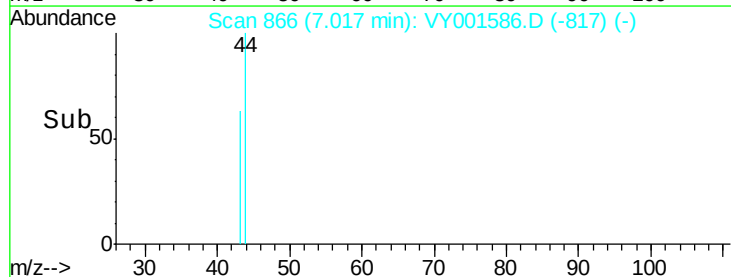
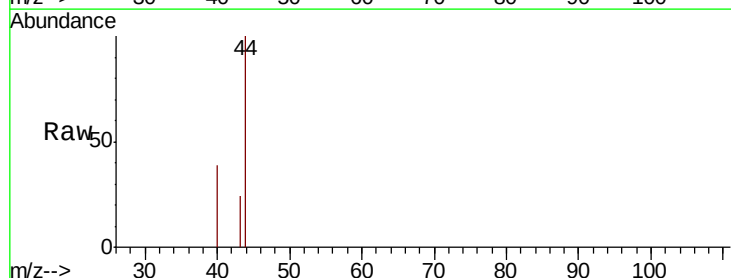
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-337-290RE

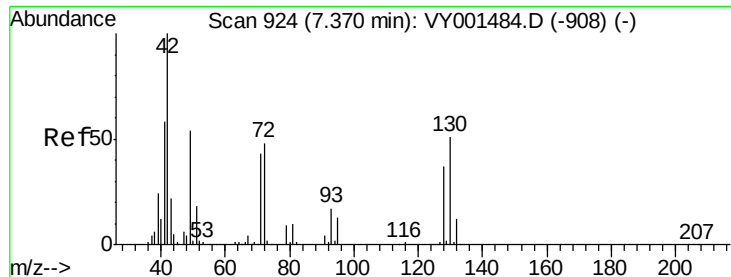
Tot Ion: 84 Resp: 193
Ion Ratio Lower Upper
84 100
49 118.9 89.0 133.6
51 0.0 27.4 41.2#
86 69.7 46.6 70.0



#25
2-Butanone
Concen: 1.356 ug/l
RT: 7.02 min Scan# 866
Delta R.T. 0.00 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.8#





#29

Tetrahydrofuran

Concen: 1.214 ug/l

RT: 7.44 min Scan# 935

Delta R.T. 0.07 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-337-290RE

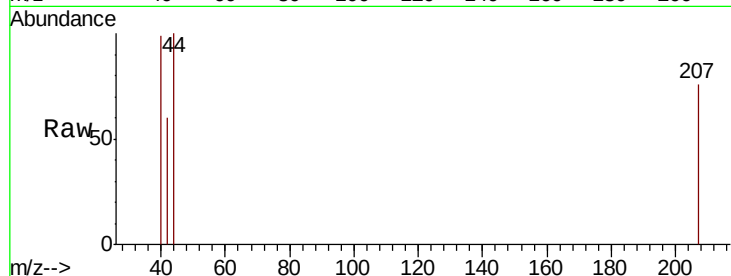
Tot Ion: 42 Resp: 22

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

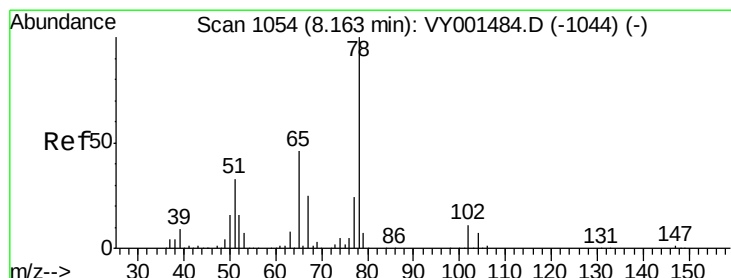
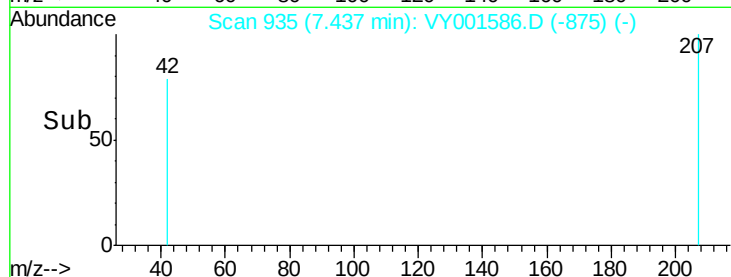
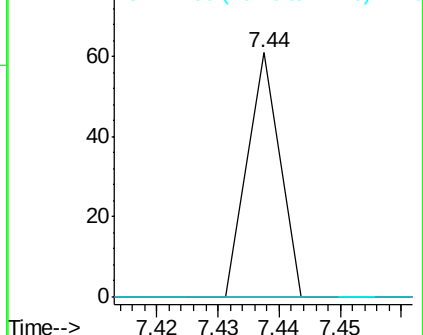
71 0.0 34.8 52.2#



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: 14.160 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001586.D

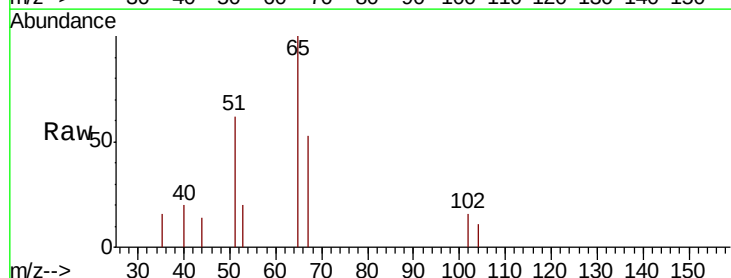
Acq: 10 Feb 2020 15:26

Tgt Ion: 65 Resp: 1141

Ion Ratio Lower Upper

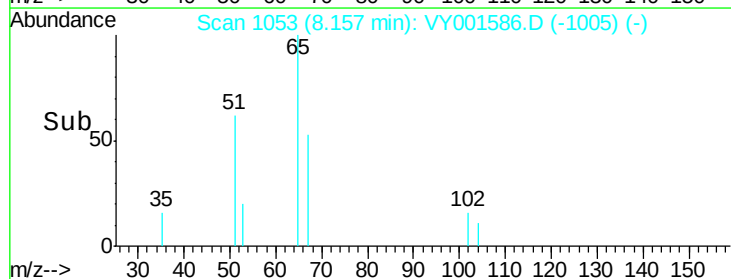
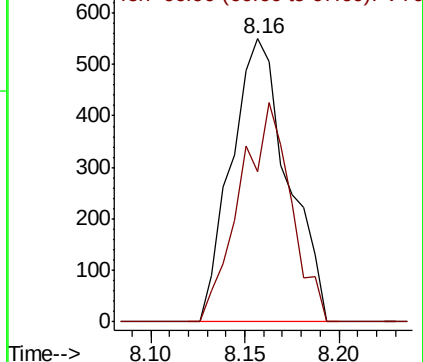
65 100

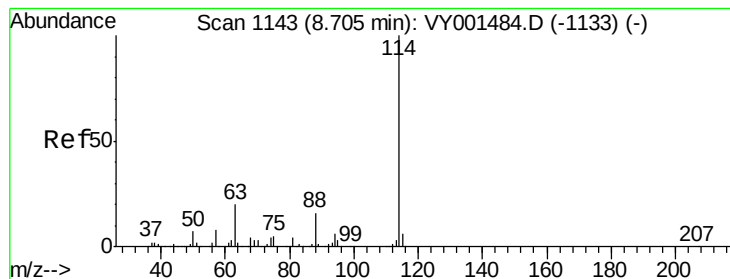
67 69.8 0.0 108.6



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: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-337-290RE

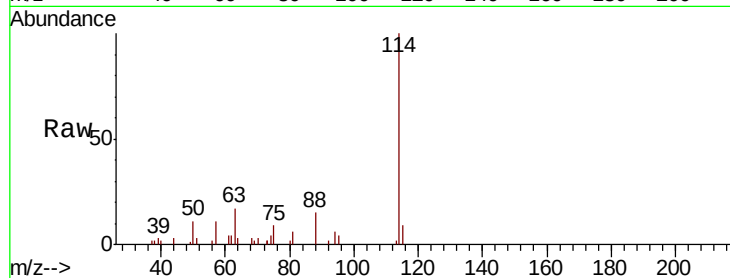
Tot Ion:114 Resp: 9936

Ion Ratio Lower Upper

114 100

63 16.6 0.0 39.8

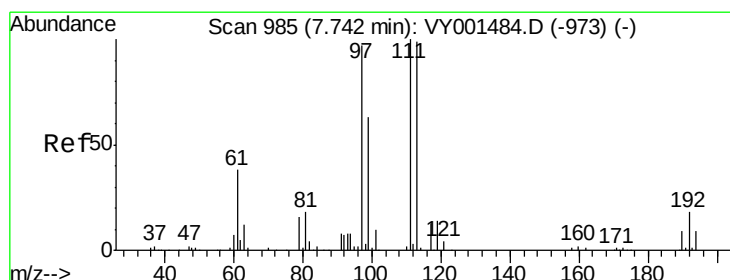
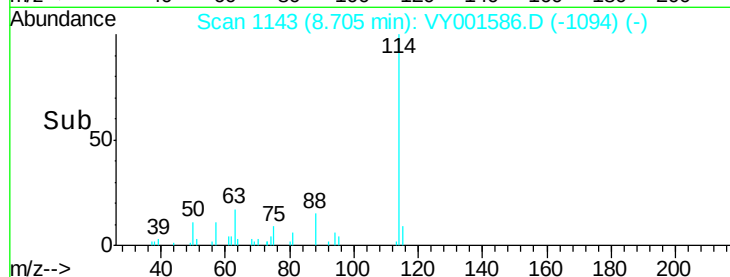
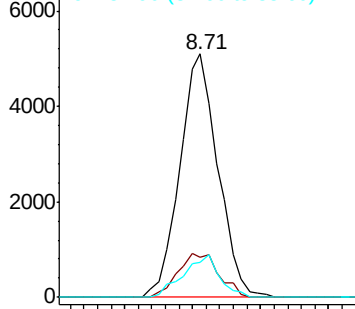
88 14.5 0.0 32.6



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: 27.611 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.00 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

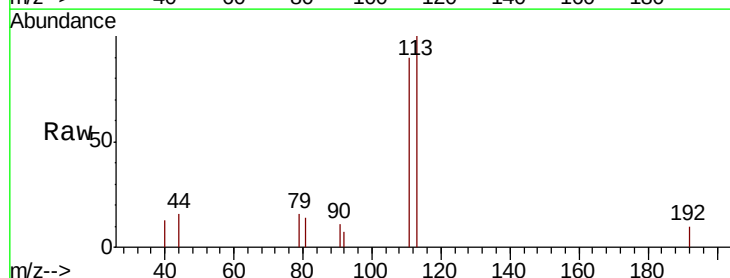
Tgt Ion:113 Resp: 1582

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

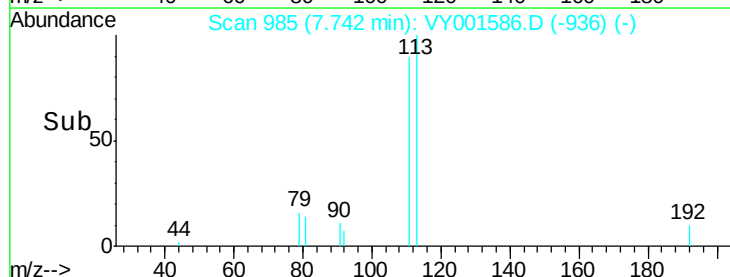
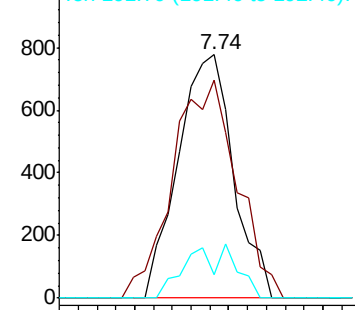
192 11.8 14.6 22.0#

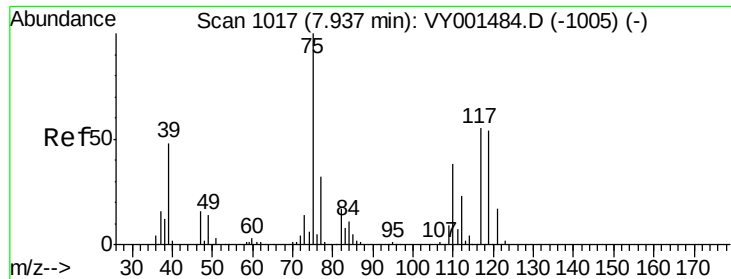


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 7.822 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

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MSVOA_Y

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ETGI-337-290RE

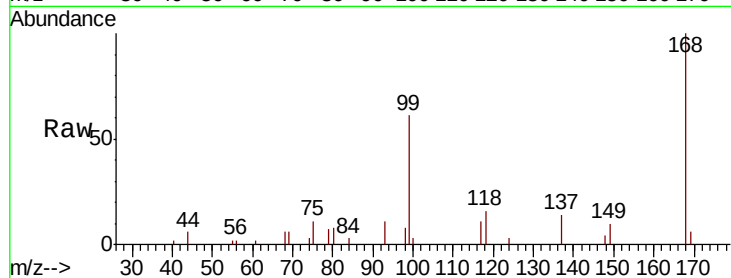
Tot Ion: 75 Resp: 711

Ion Ratio Lower Upper

75 100

110 0.0 18.2 54.6#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VY001586.D (-968) (-)

Ion 109.90 (109.60 to 110.60): VY001586.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY001586.D (-968) (-)

7.80

400

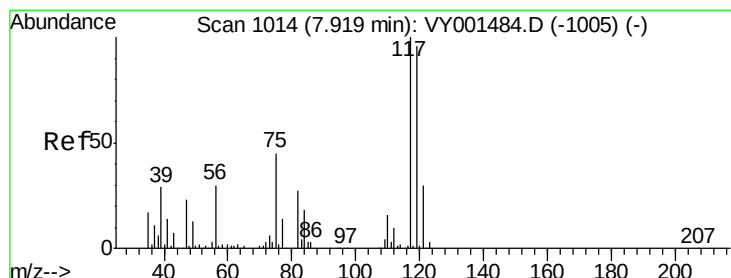
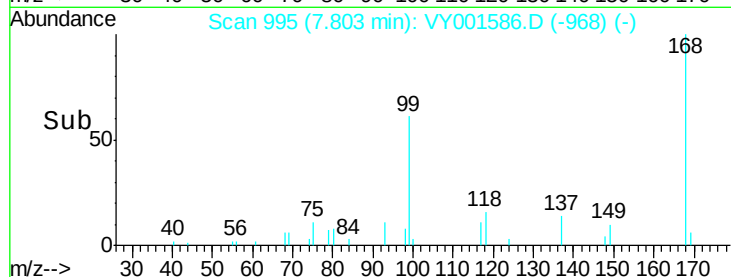
300

200

100

0

Time-->



#38

Carbon Tetrachloride

Concen: 9.495 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.11 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

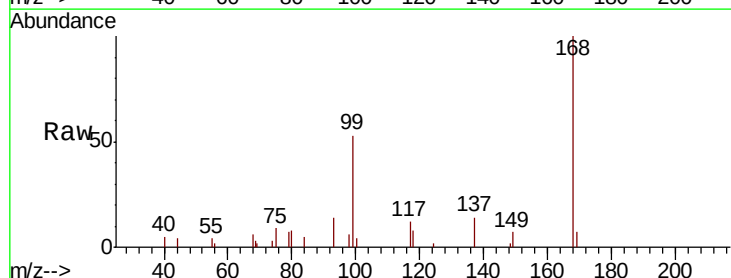
Tgt Ion: 117 Resp: 835

Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): VY001586.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY001586.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY001586.D (-965) (-)

7.81

600

500

400

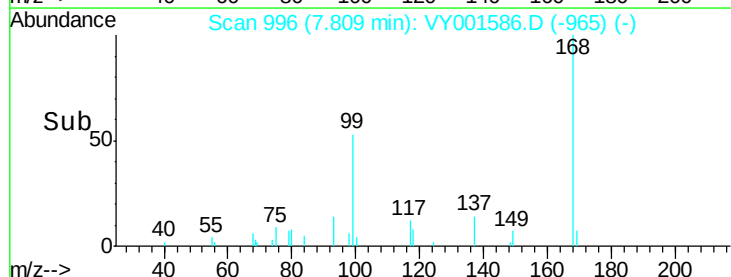
300

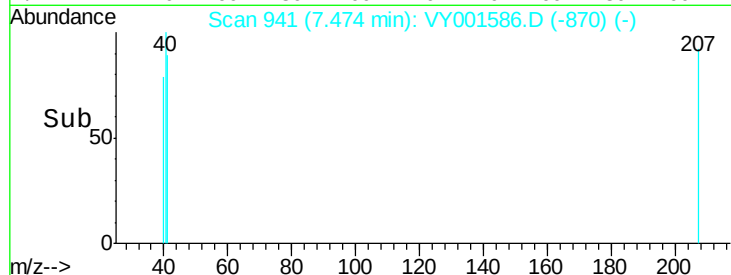
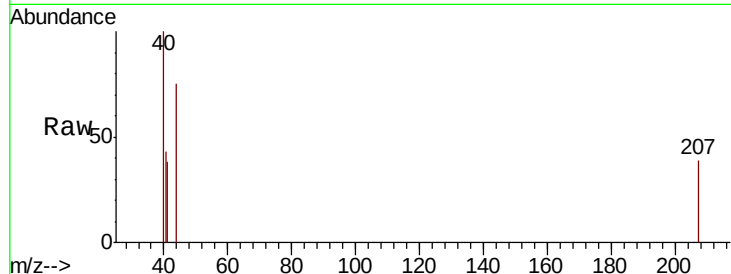
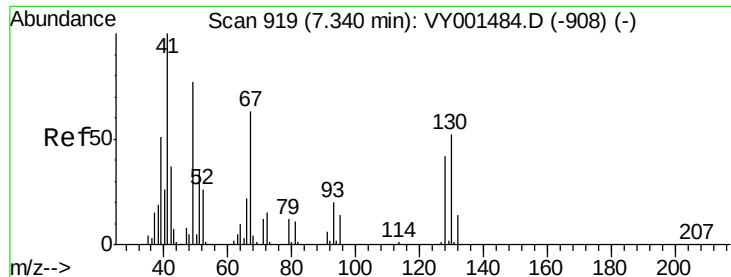
200

100

0

Time-->

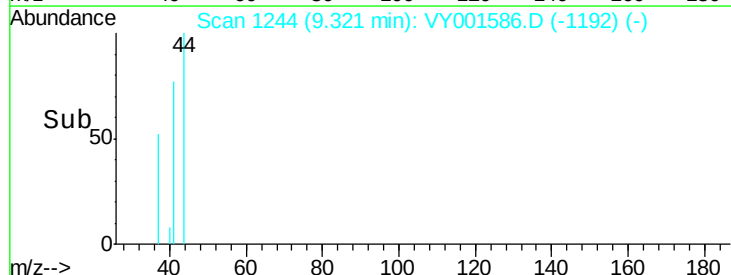
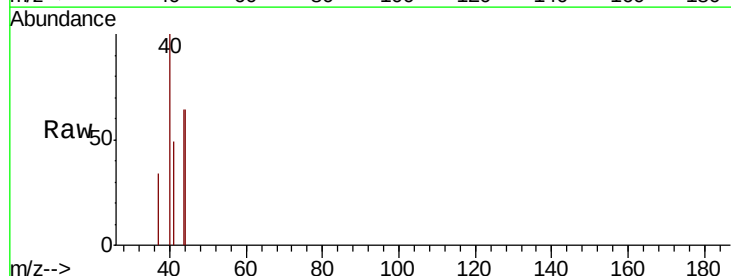
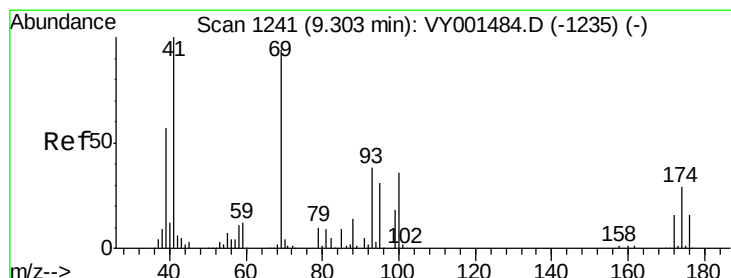
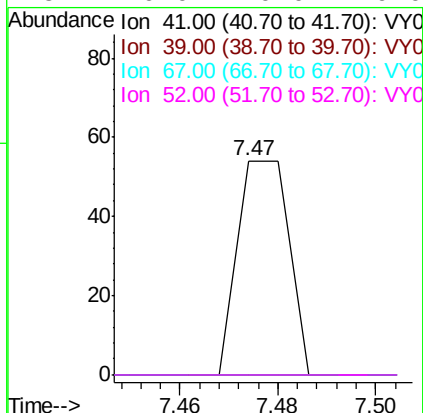




#41
Methacrylonitrile
Concen: 1.961 ug/l
RT: 7.47 min Scan# 941
Delta R.T. 0.13 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

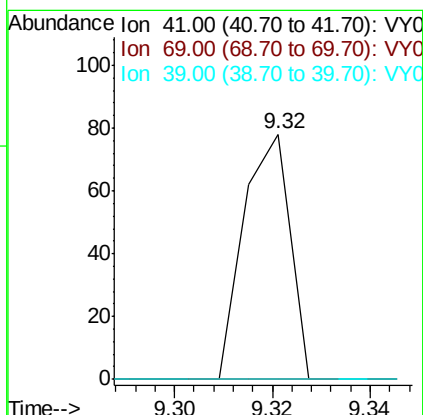
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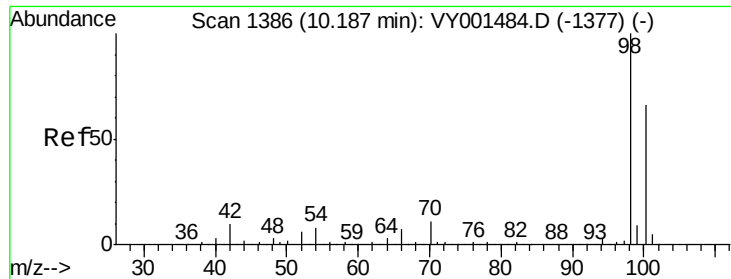
Tot Ion:	41	Resp:	40
Ion	Ratio	Lower	Upper
41	100		
39	0.0	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#48
Methyl methacrylate
Concen: 1.290 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.02 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

Tgt Ion:	41	Resp:	51
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.6	114.8#
39	0.0	45.4	68.0#





#50

Toluene-d8

Concen: 46.703 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

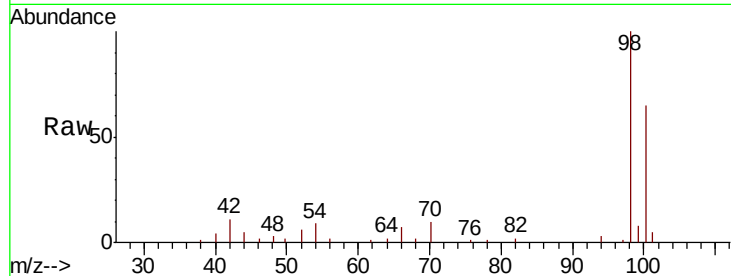
ETGI-337-290RE

Tot Ion: 98 Resp: 10124

Ion Ratio Lower Upper

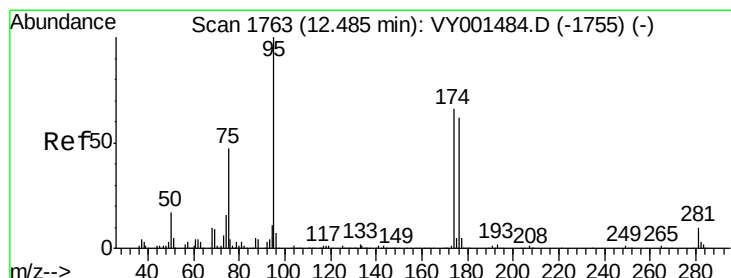
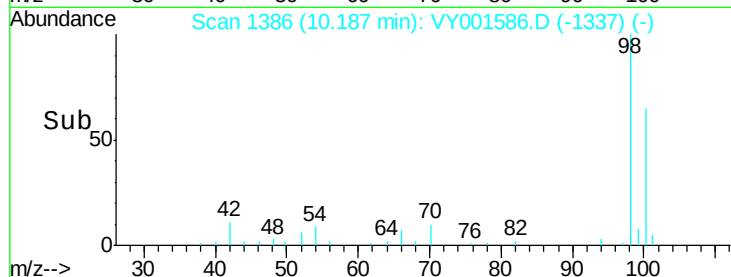
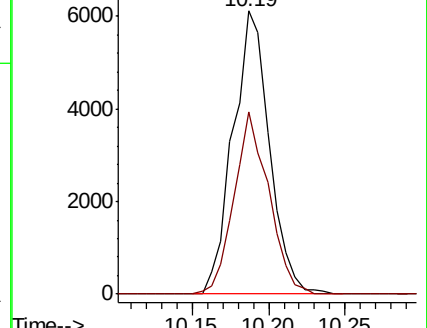
98 100

100 61.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001586.D (-1337) (-)

Ion 100.00 (99.70 to 100.70): VY001586.D (-1337) (-)



#62

4-Bromofluorobenzene

Concen: 12.600 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

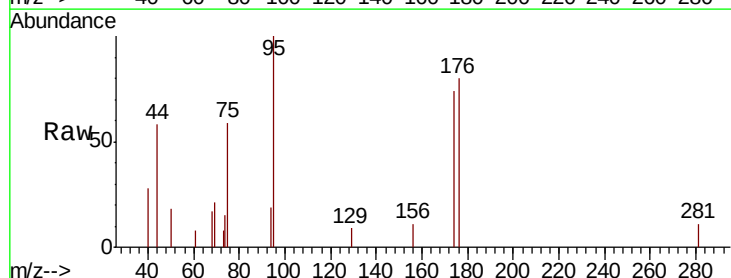
Tgt Ion: 95 Resp: 1076

Ion Ratio Lower Upper

95 100

174 79.0 0.0 141.4

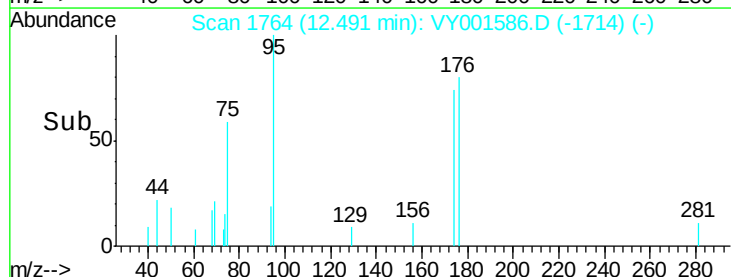
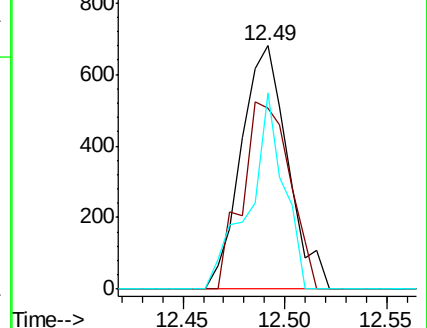
176 60.7 0.0 135.4

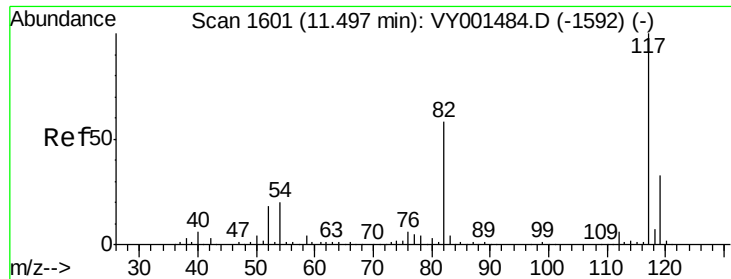


Abundance Ion 94.90 (94.60 to 95.60): VY001586.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001586.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001586.D (-1714) (-)

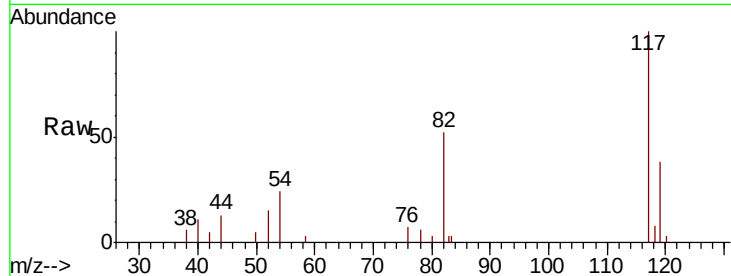




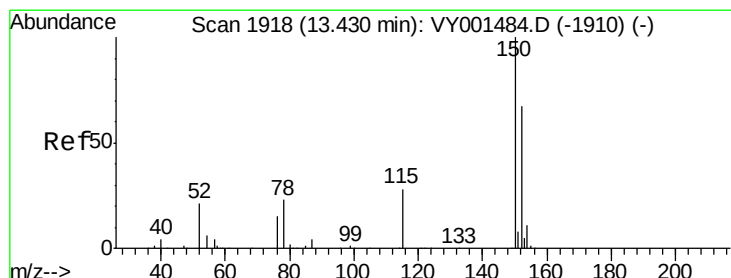
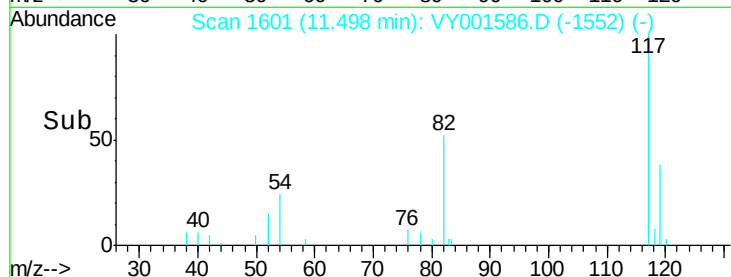
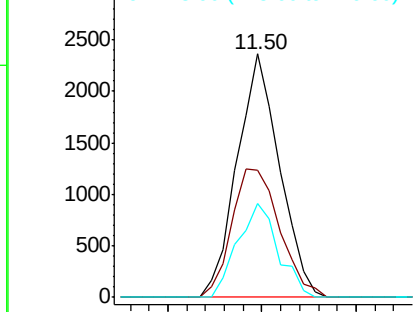
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-337-290RE

Tot Ion:117 Resp: 3683
Ion Ratio Lower Upper
117 100
82 52.5 46.1 69.1
119 38.5 26.1 39.1

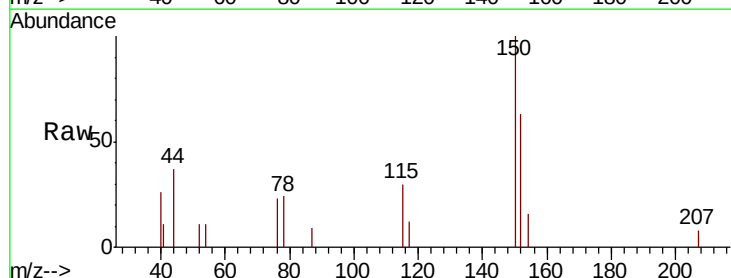


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

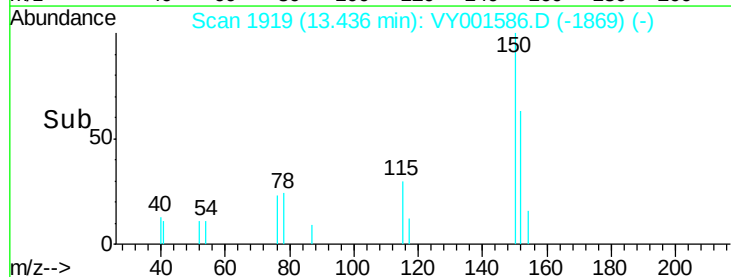
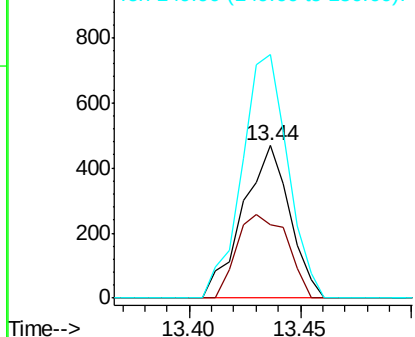


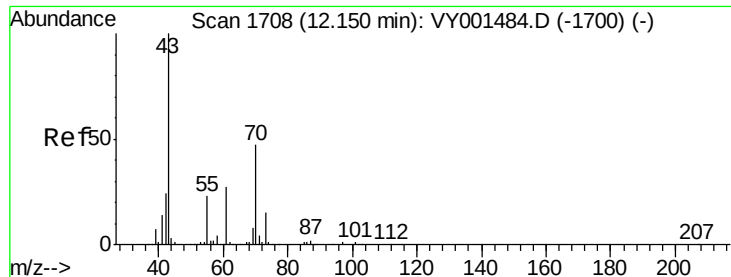
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

Tgt Ion:152 Resp: 691
Ion Ratio Lower Upper
152 100
115 58.3 31.4 94.3
150 156.3 0.0 346.8



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





#74

N-amvl acetate

Concen: 4.016 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-337-290RE

Tot Ion: 43 Resp: 55

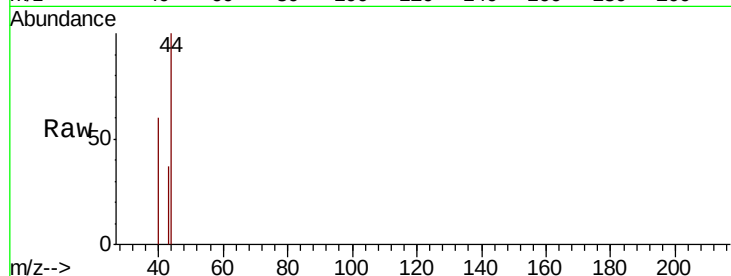
Ion Ratio Lower Upper

43 100

70 0.0 37.2 55.8#

55 0.0 18.8 28.2#

61 0.0 21.4 32.2#

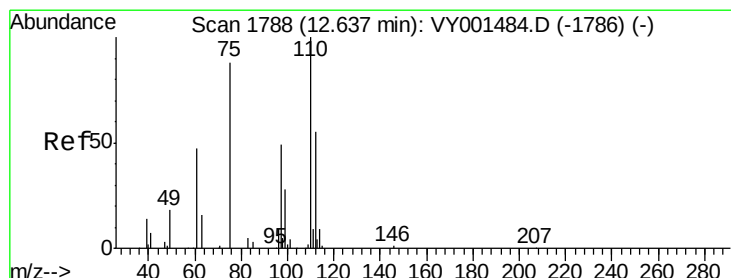
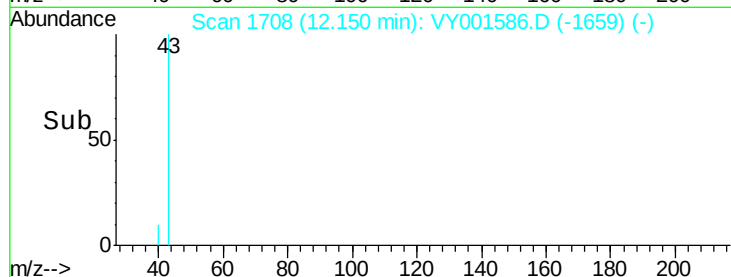
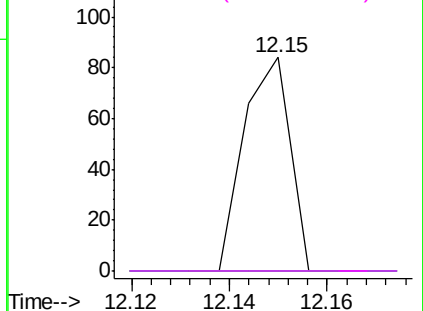


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 85.049 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001586.D

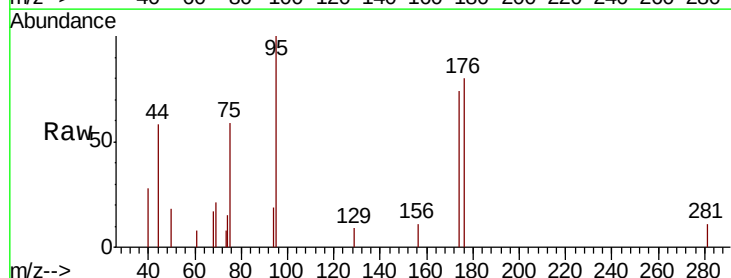
Acq: 10 Feb 2020 15:26

Tgt Ion: 75 Resp: 632

Ion Ratio Lower Upper

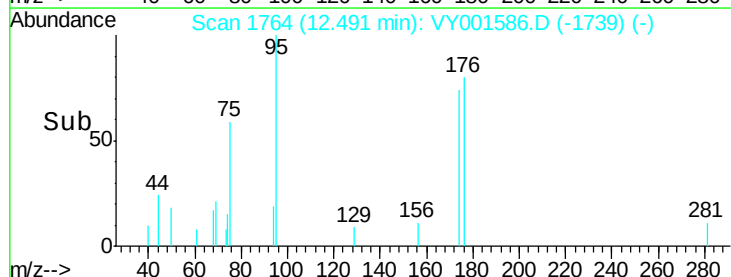
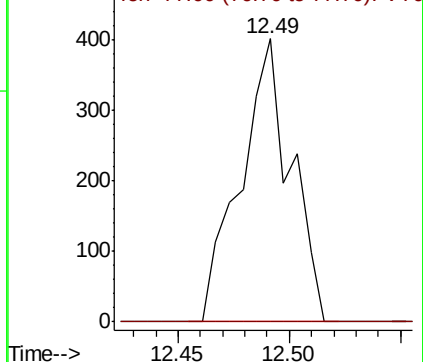
75 100

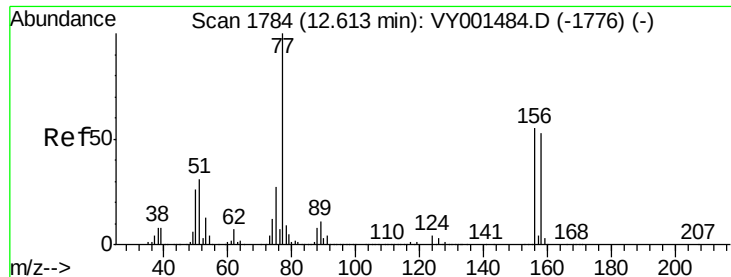
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#77

Bromobenzene

Concen: 1.666 ug/l

RT: 12.60 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-337-290RE

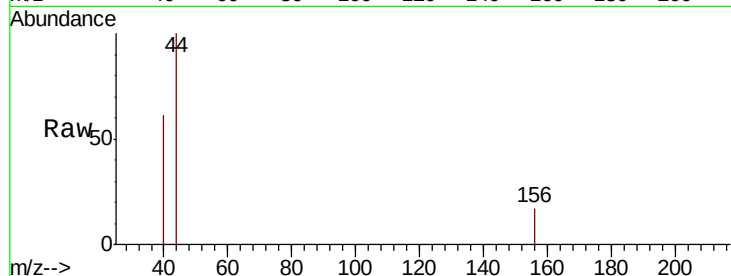
Tot Ion:156 Resp: 19

Ion Ratio Lower Upper

156 100

77 0.0 99.8 299.3#

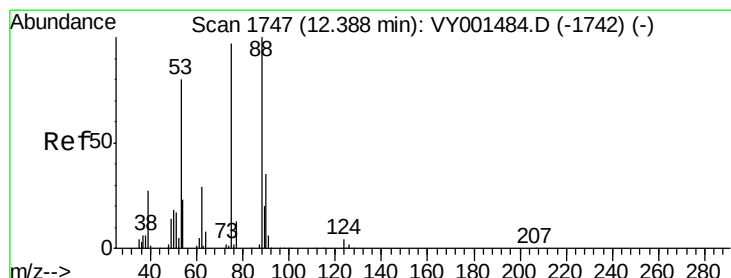
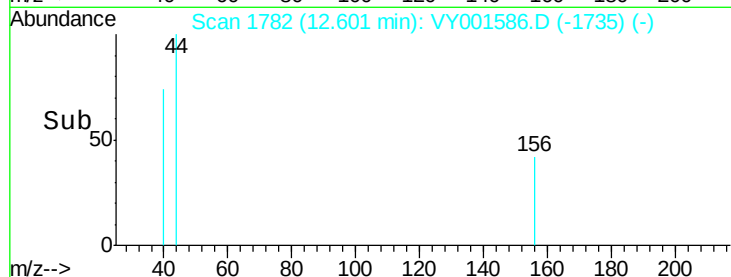
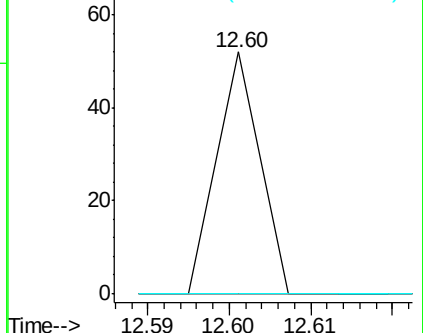
158 0.0 47.5 142.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 164.565 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

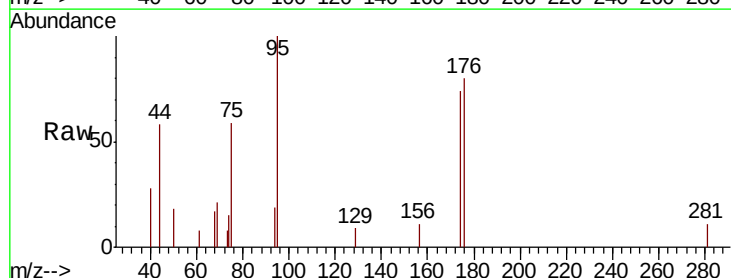
Tgt Ion: 75 Resp: 632

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

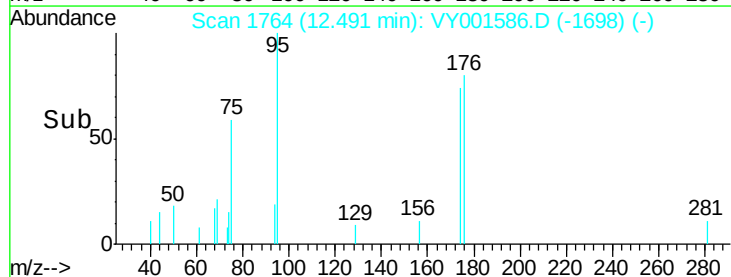
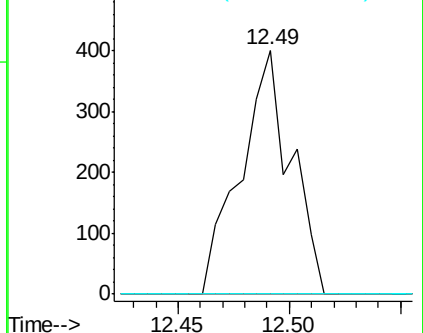
89 0.0 34.6 52.0#

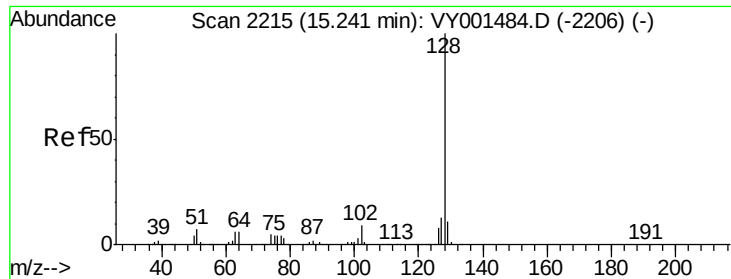


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

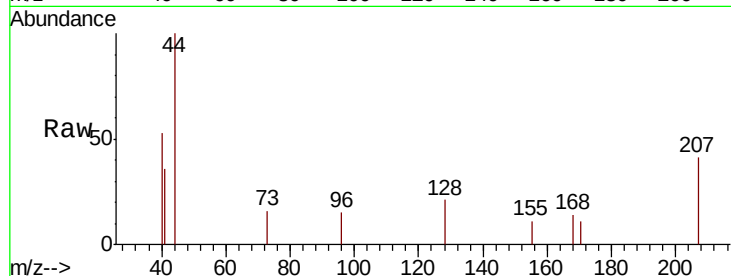




#95
 Naphthalene
 Concen: 3.220 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY001586.D
 Acq: 10 Feb 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-337-290RE

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.9	13.3#



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

