

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 :

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

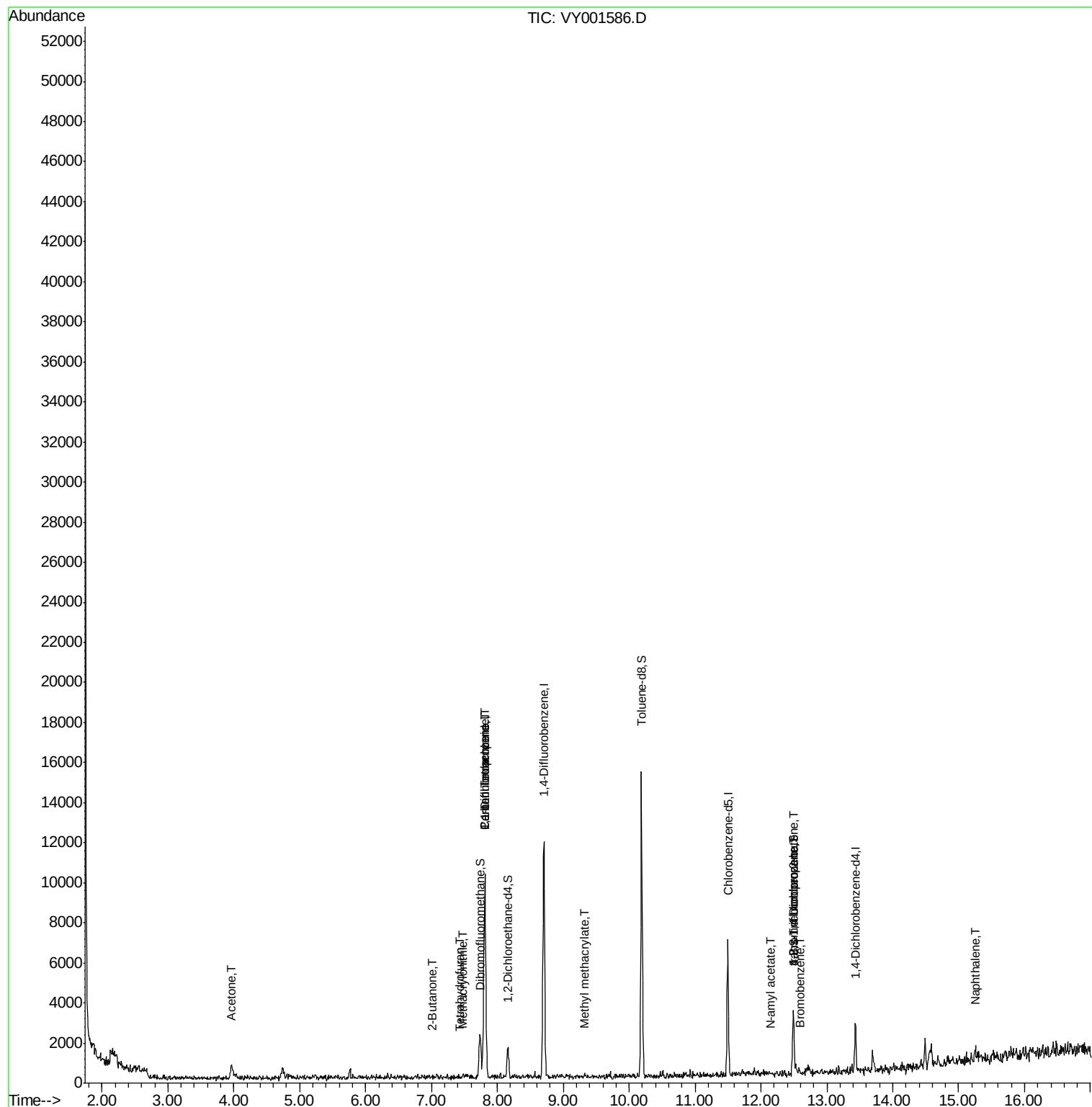
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	8003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	9936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	3683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	691	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	1141	14.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.32%	
35) Dibromofluoromethane	7.74	113	1582	27.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.22%	
50) Toluene-d8	10.19	98	10124	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.49	95	1076	12.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.20%	
Target Compounds						
					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

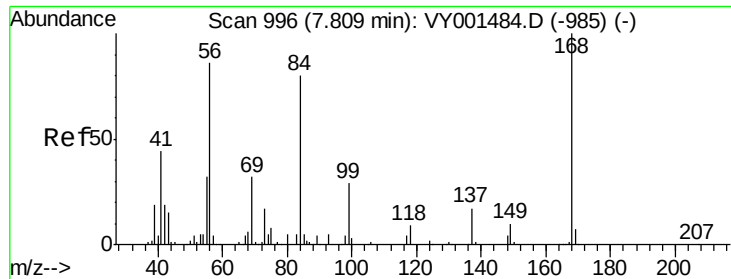
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#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

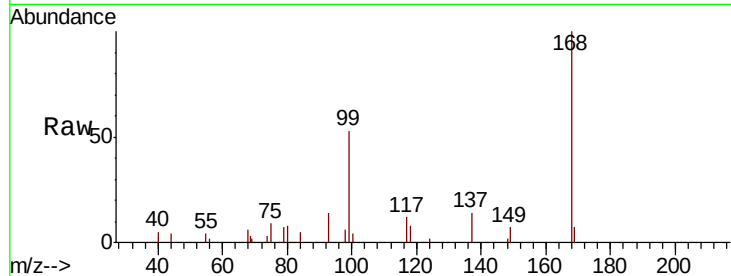
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 8003

Ion Ratio Lower Upper

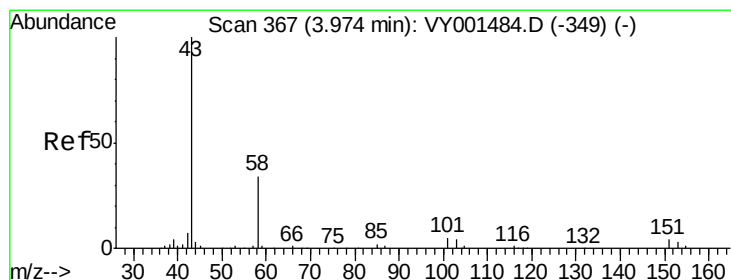
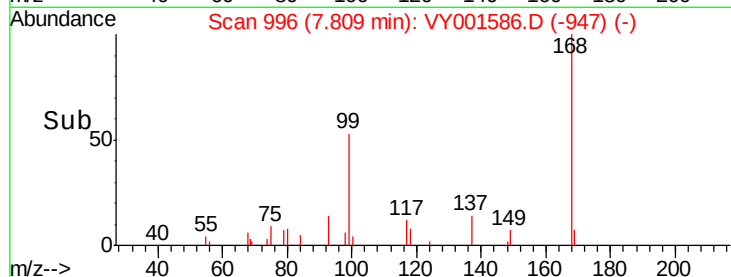
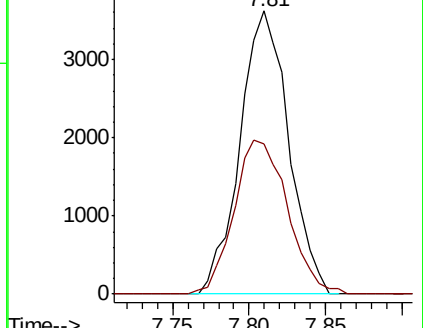
168 100

99 53.2 48.2 72.4



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

Ion 98.90 (98.60 to 99.60): 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

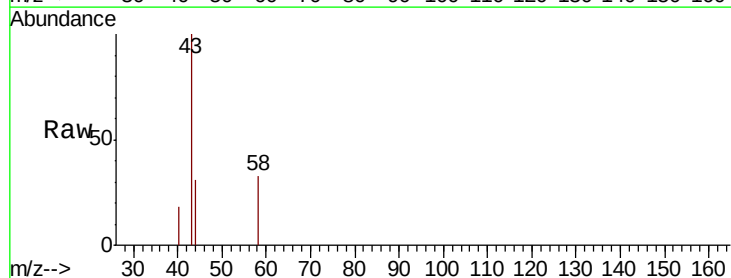
Acq: 10 Feb 2020 15:26

Tgt Ion: 43 Resp: 1357

Ion Ratio Lower Upper

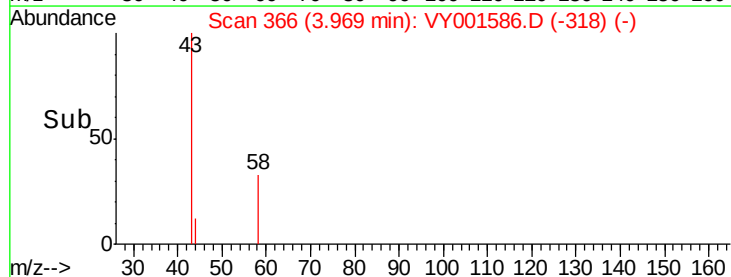
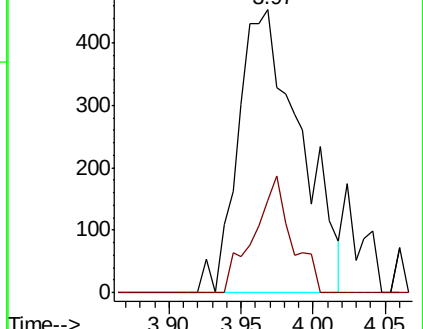
43 100

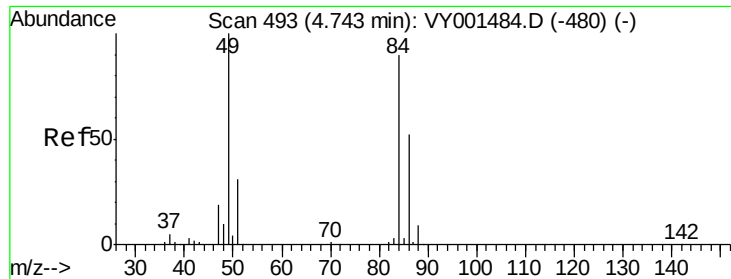
58 32.9 27.5 41.3



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

Ion 58.00 (57.70 to 58.70): VY001586.D (-318) (-)





#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

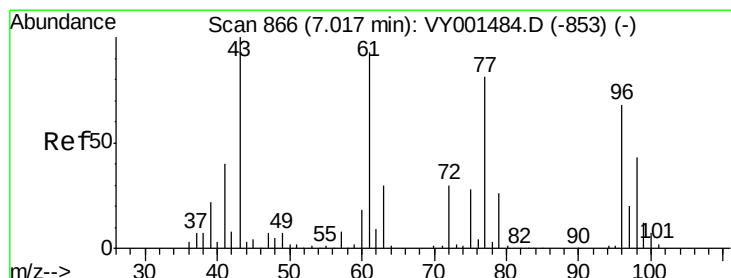
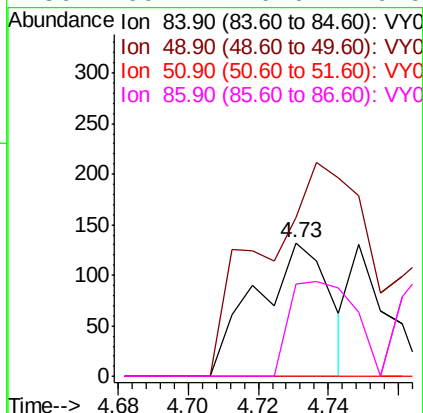
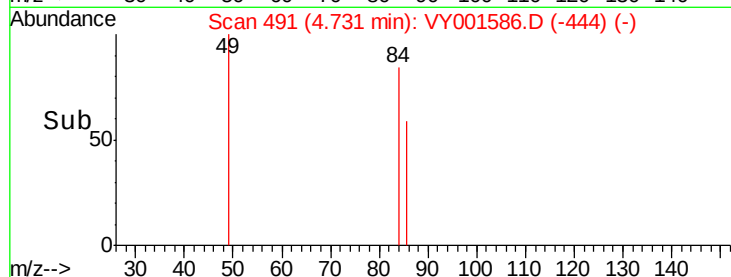
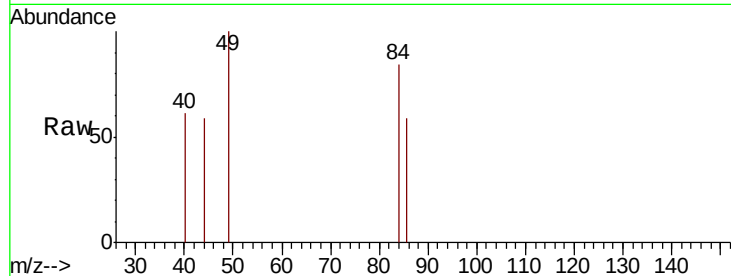
Delta R.T. -0.01 min

Lab File: VY001586.D

Acq: 10 Feb 2020 15:26

Instrument :
MSVOA_Y
ClientSampled :

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

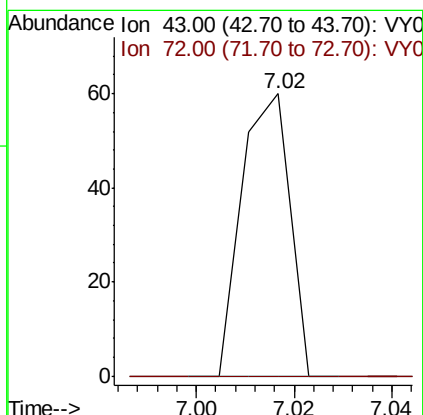
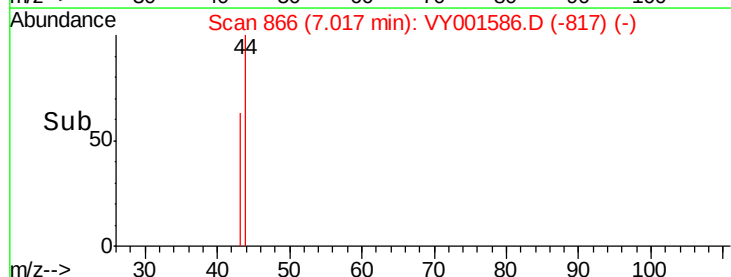
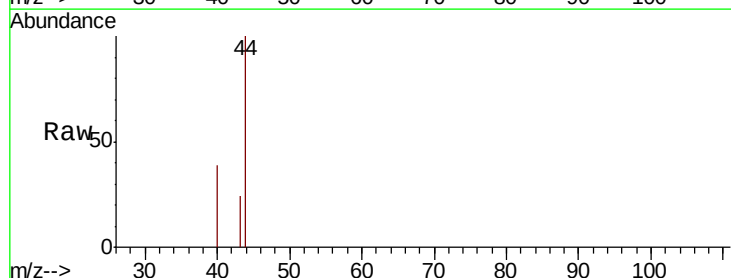
RT: 7.02 min Scan# 866

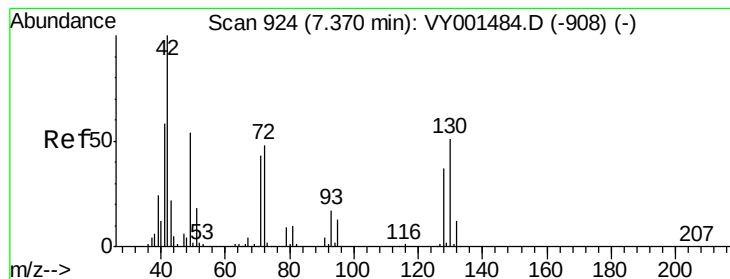
Delta R.T. 0.00 min

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

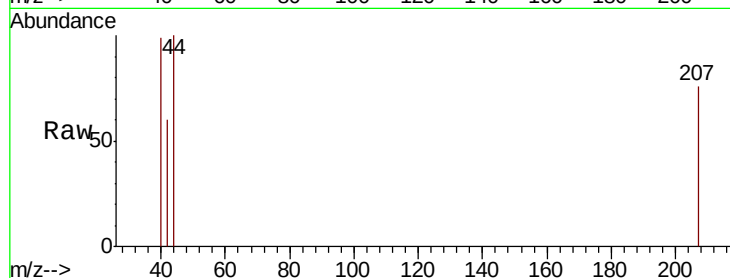
Delta R.T. 0.07 min

Lab File: VY001586.D

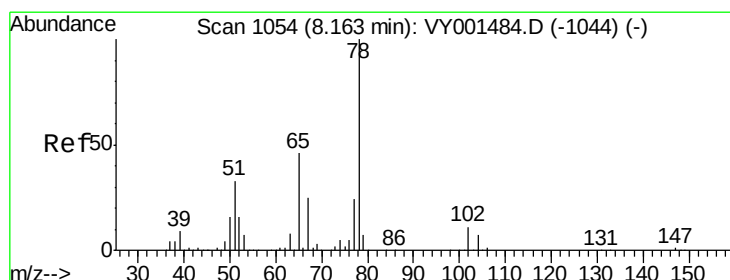
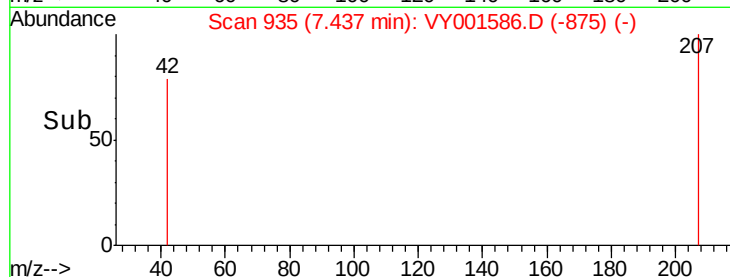
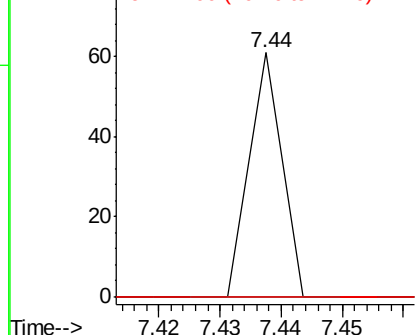
Acq: 10 Feb 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :

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

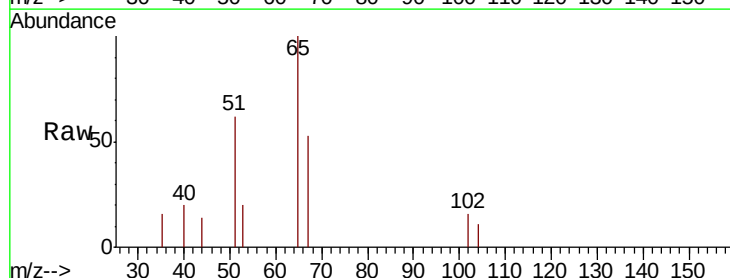
RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

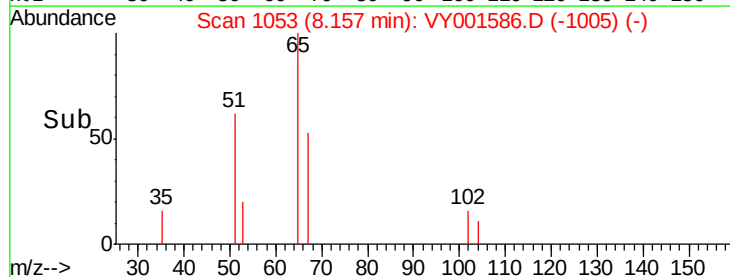
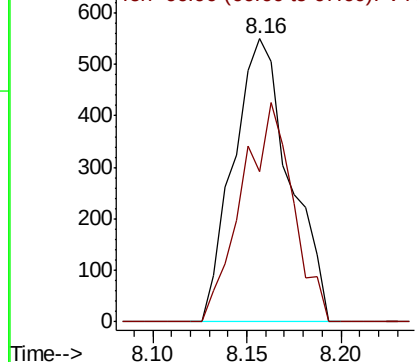
Lab File: VY001586.D

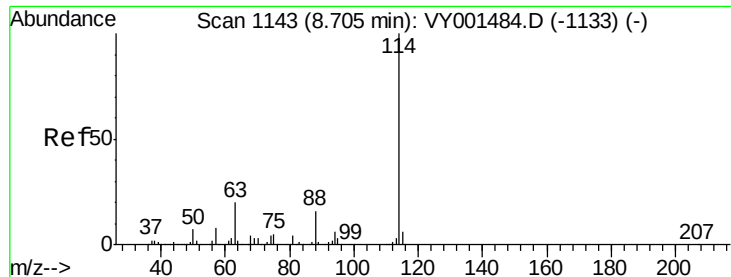
Acq: 10 Feb 2020 15:26

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

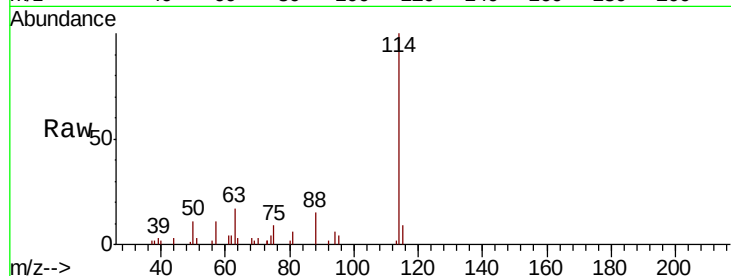




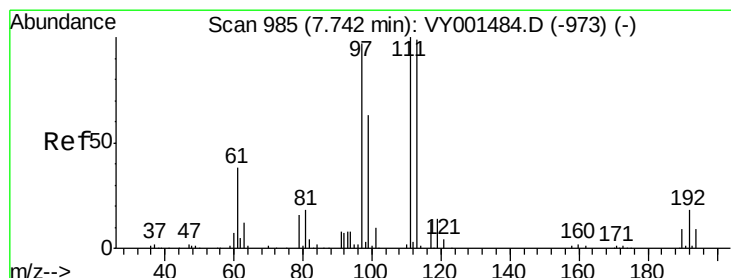
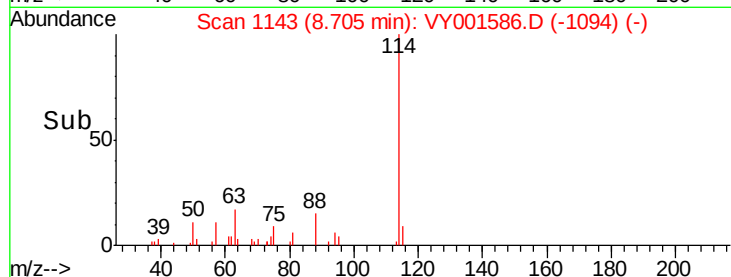
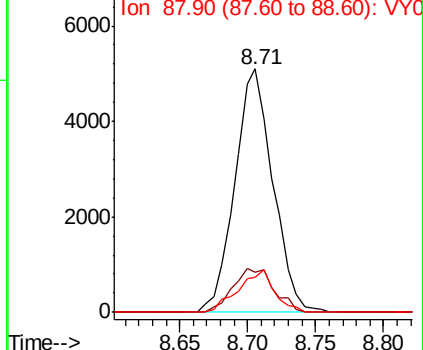
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001586.D
 Acq: 10 Feb 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	39.8
88	14.5	0.0	32.6

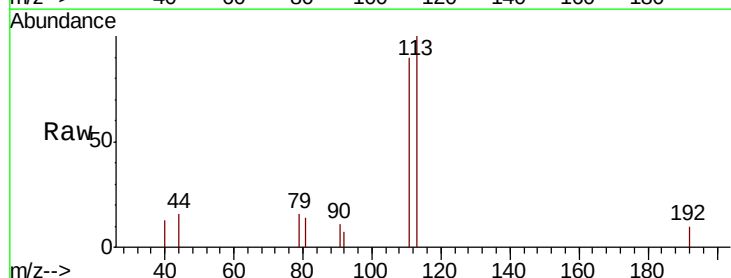


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

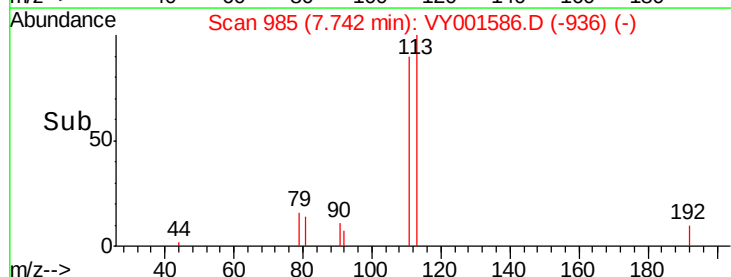
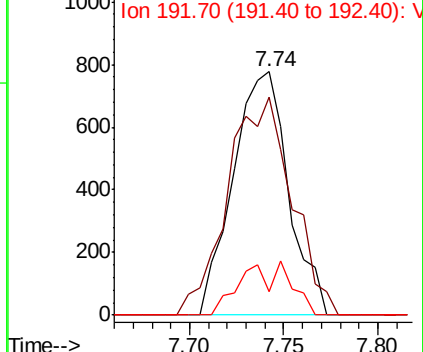


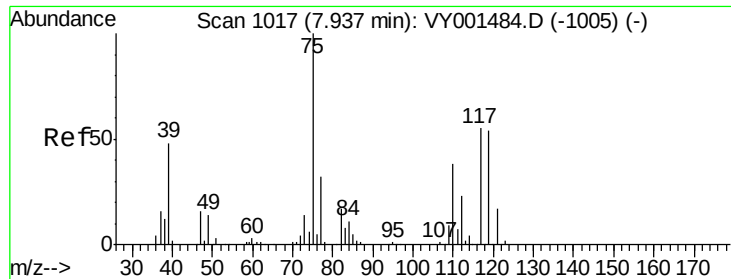
#35
 Dibromofluoromethane
 Concen: 27.611 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001586.D
 Acq: 10 Feb 2020 15:26

Tgt Ion	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

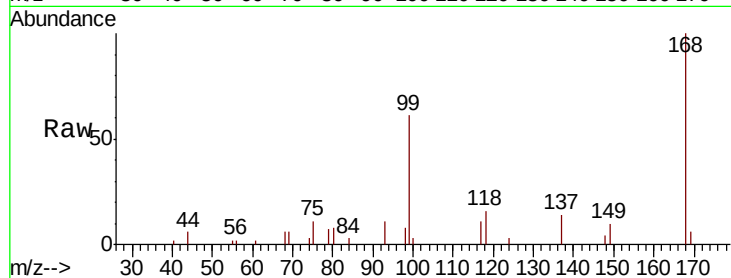




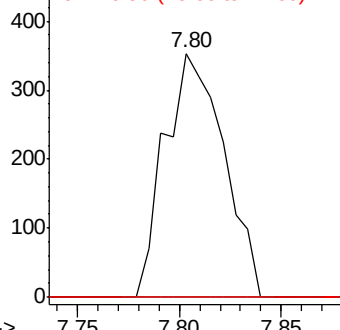
#36
 1,1-Dichloropropene
 Concen: 7.822 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY001586.D
 Acq: 10 Feb 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :

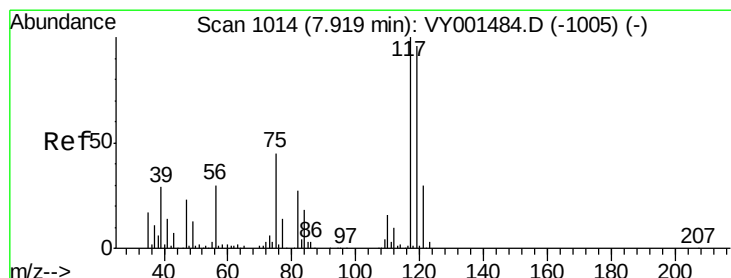
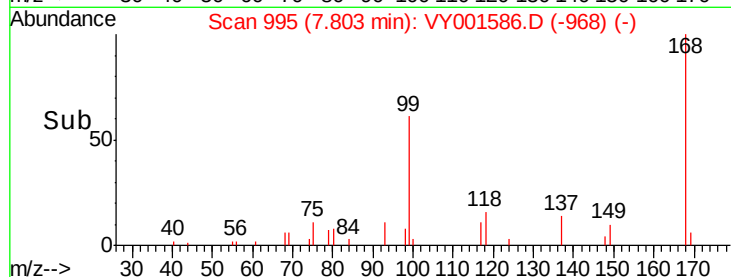
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.2	54.6#
77	0.0	25.0	37.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

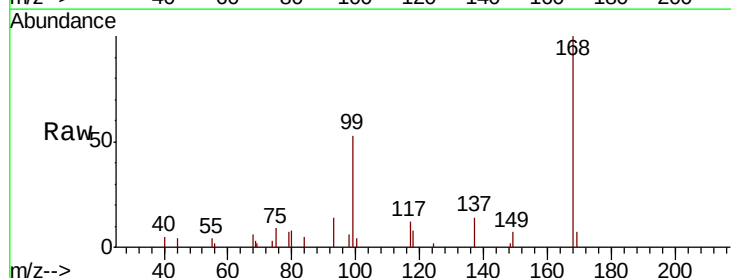


Time-->

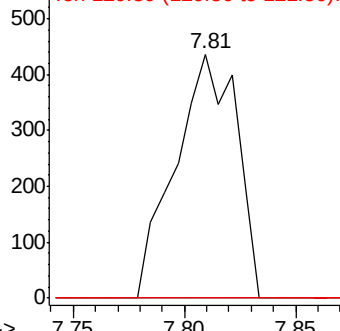


#38
 Carbon Tetrachloride
 Concen: 9.495 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.11 min
 Lab File: VY001586.D
 Acq: 10 Feb 2020 15:26

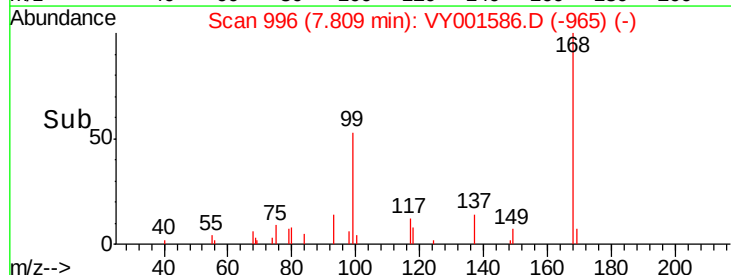
Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.4	114.6#
121	0.0	24.2	36.4#

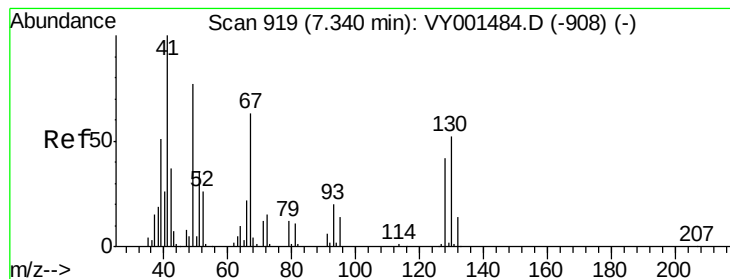


Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0



Time-->





#41

Methacrylonitrile

Concen: 1.961 ug/l

RT: 7.47 min Scan# 941

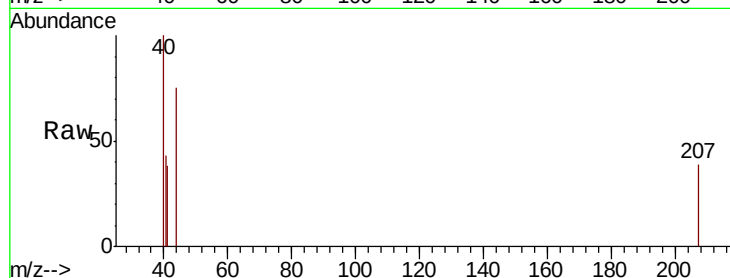
Delta R.T. 0.13 min

Lab File: VY001586.D

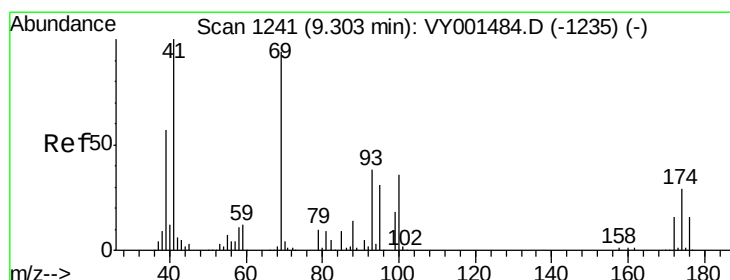
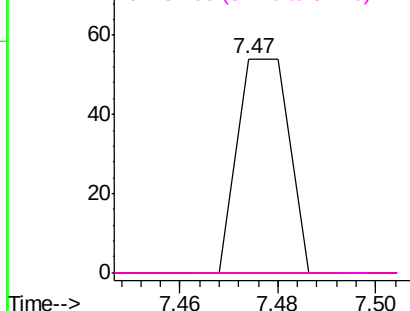
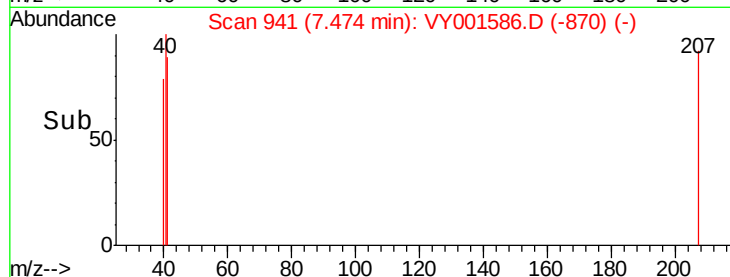
Acq: 10 Feb 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :

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



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



#48

Methyl methacrylate

Concen: 1.290 ug/l

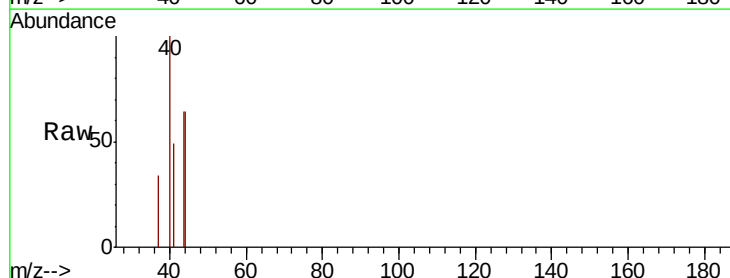
RT: 9.32 min Scan# 1244

Delta R.T. 0.02 min

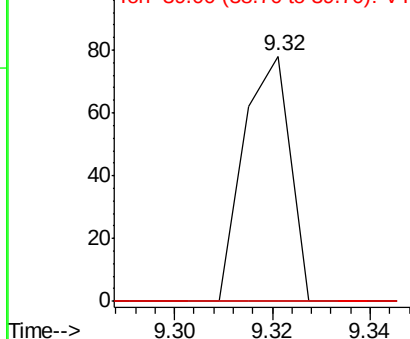
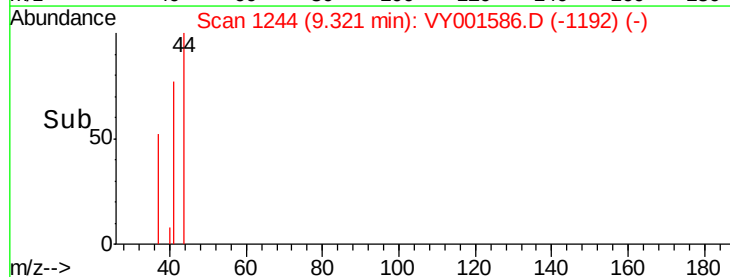
Lab File: VY001586.D

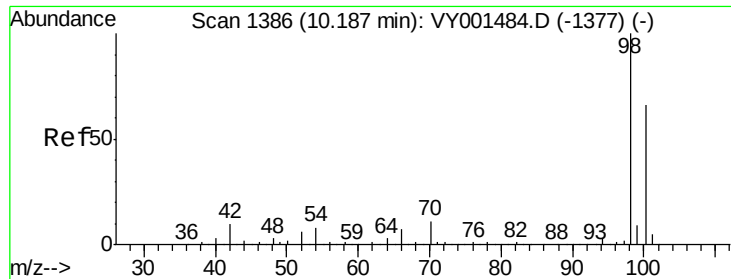
Acq: 10 Feb 2020 15:26

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#



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: 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

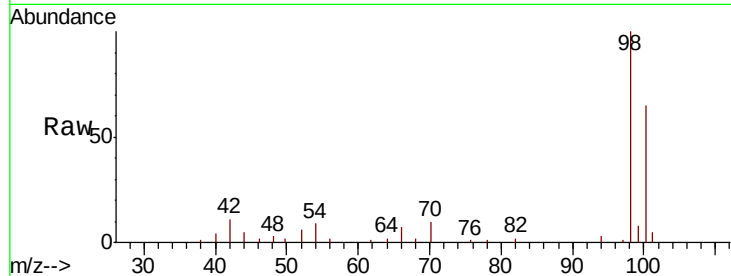
ClientSampleId :

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): VY001484.D (-1377) (-)

Ion 100.00 (99.70 to 100.70): VY001484.D (-1377) (-)

10.19

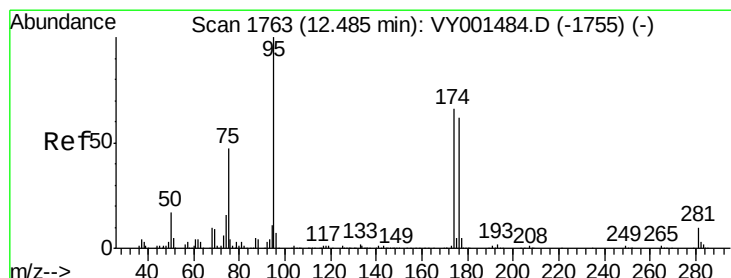
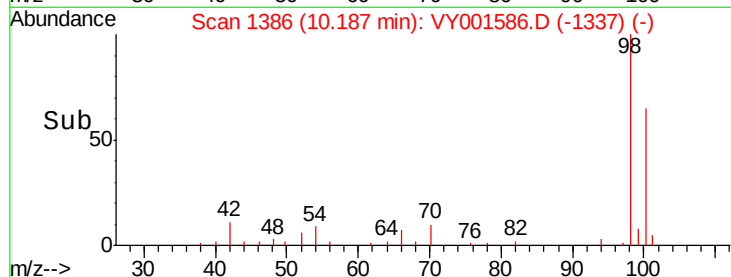
6000

4000

2000

0

Time-->



#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

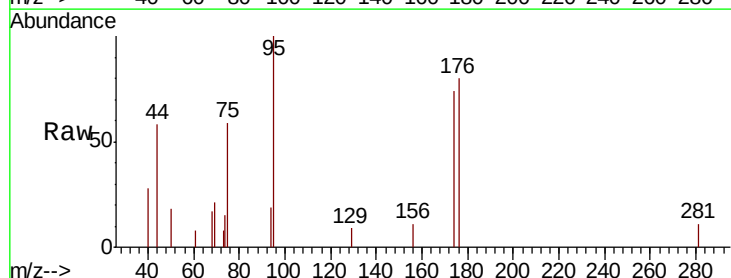
Tgt Ion: 95 Resp: 1076

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): VY001484.D (-1755) (-)

Ion 173.80 (173.50 to 174.50): VY001484.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY001484.D (-1755) (-)

12.49

800

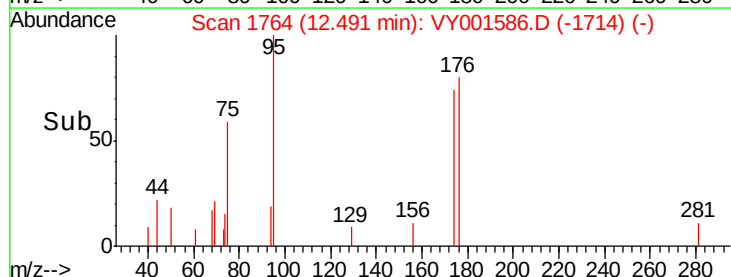
600

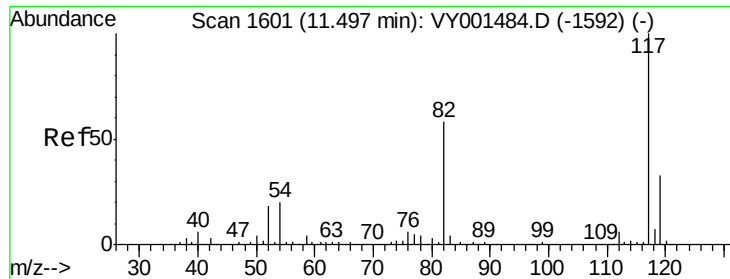
400

200

0

Time-->

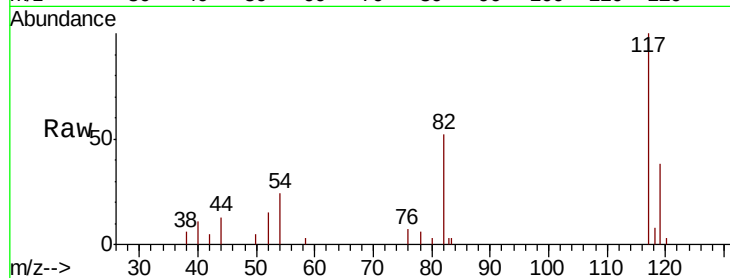




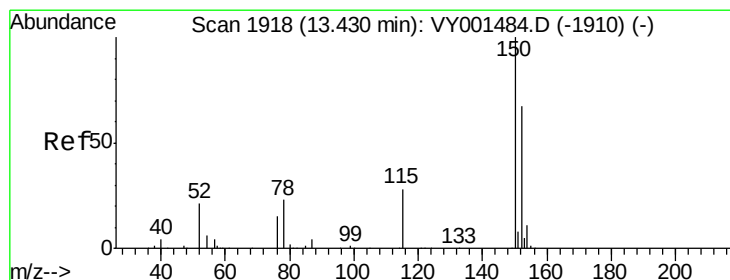
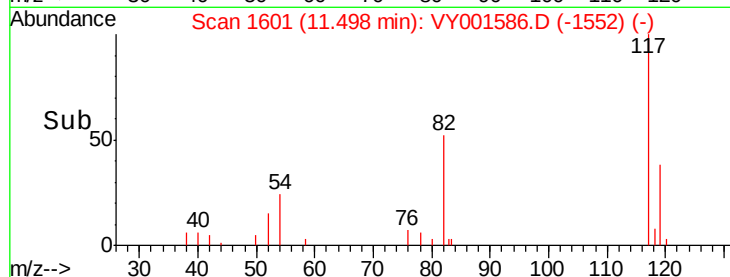
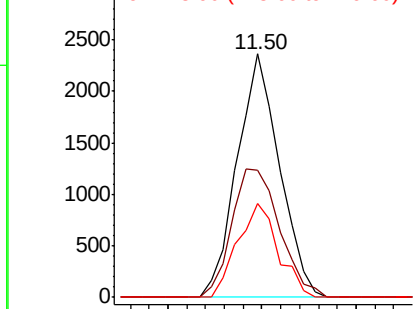
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

Instrument :
MSVOA_Y
ClientSampleId :

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

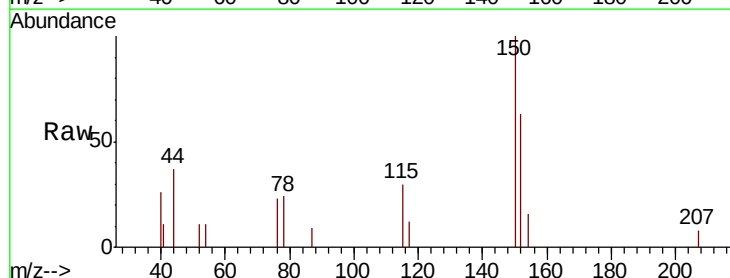


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

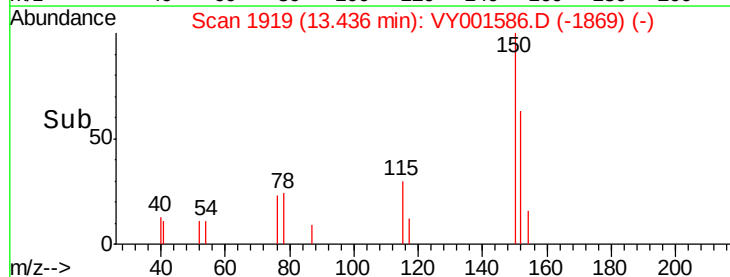
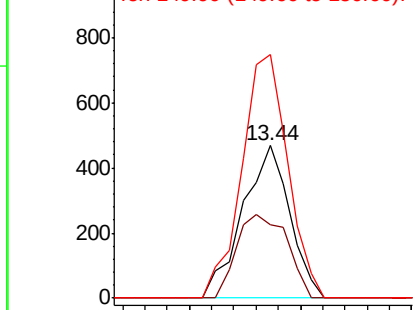


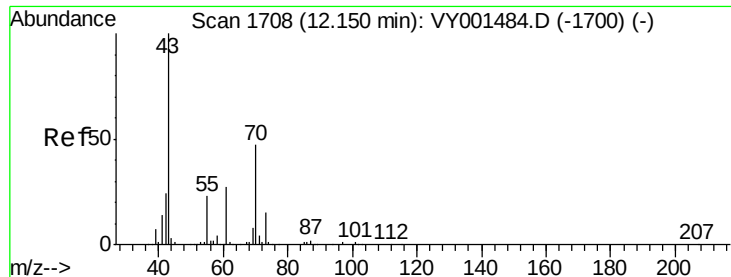
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

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

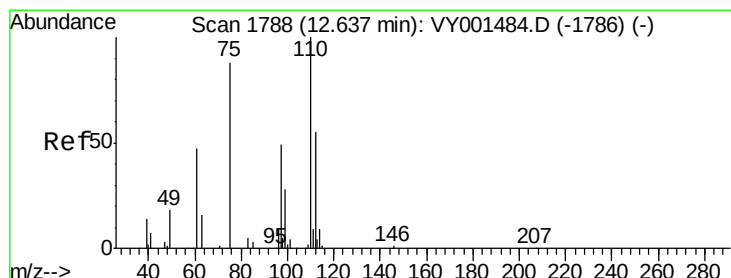
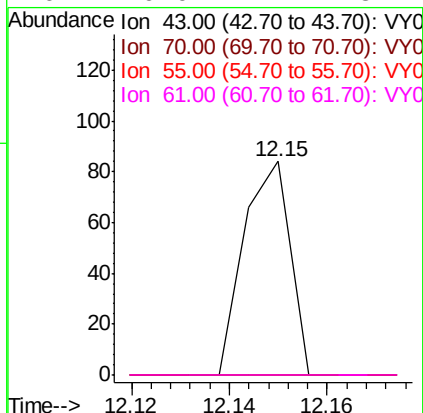
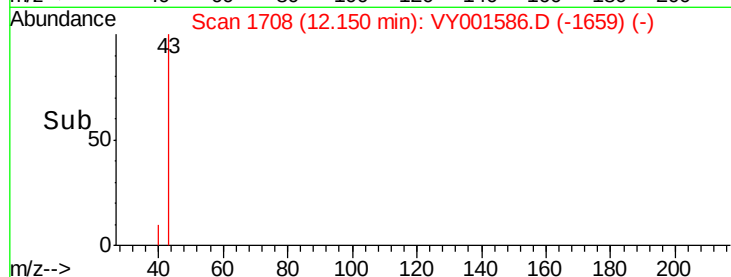
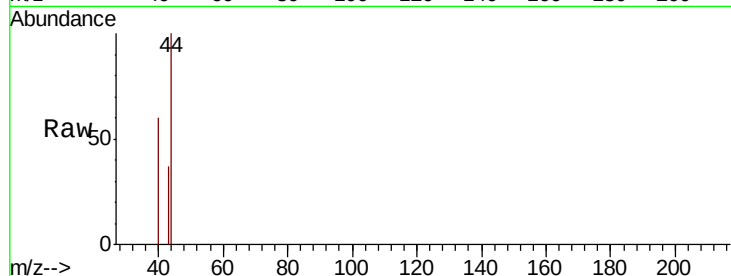




#74
N-amvl acetate
Concen: 4.016 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001586.D
Acq: 10 Feb 2020 15:26

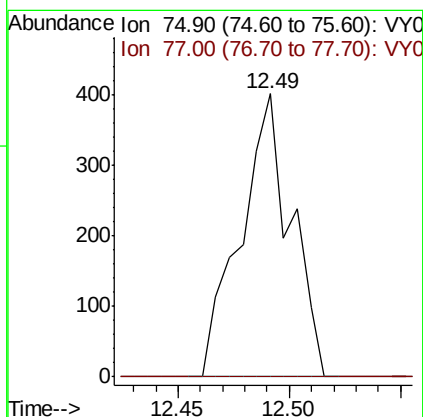
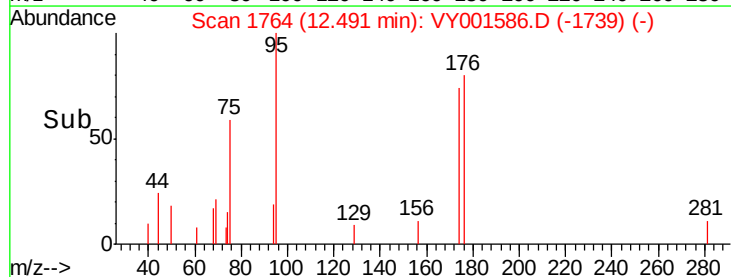
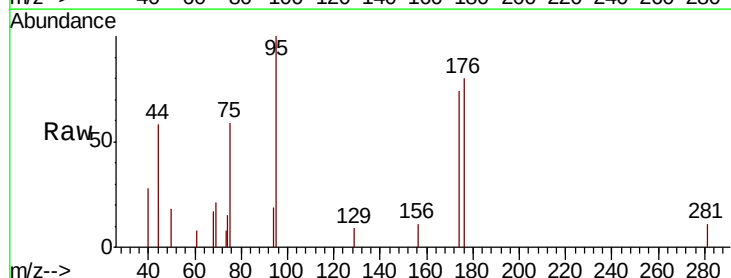
Instrument :
MSVOA_Y
ClientSampleId :

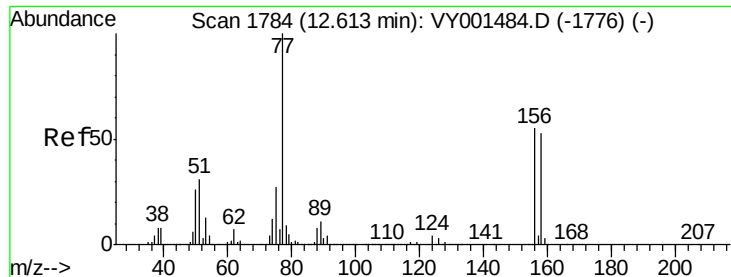
Tot Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
70	0.0	37.2	55.8#
55	0.0	18.8	28.2#
61	0.0	21.4	32.2#



#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





#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 :

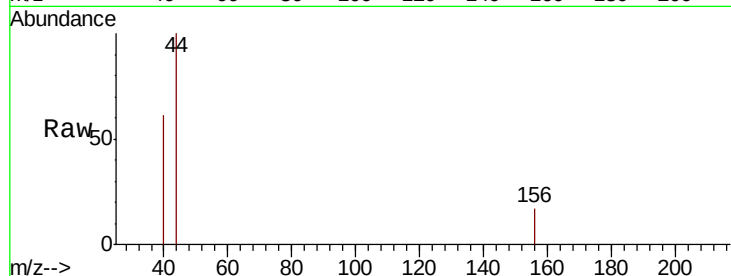
Tot Ion:156 Resp: 19

Ion Ratio Lower Upper

156 100

77 0.0 99.8 299.3#

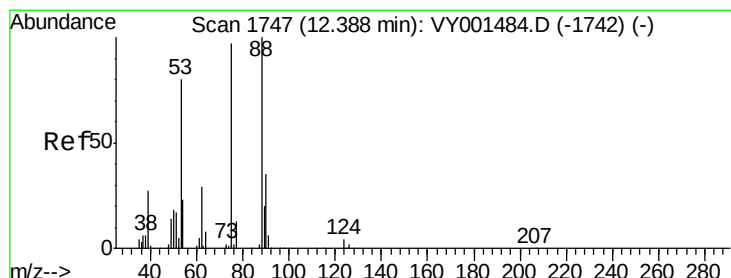
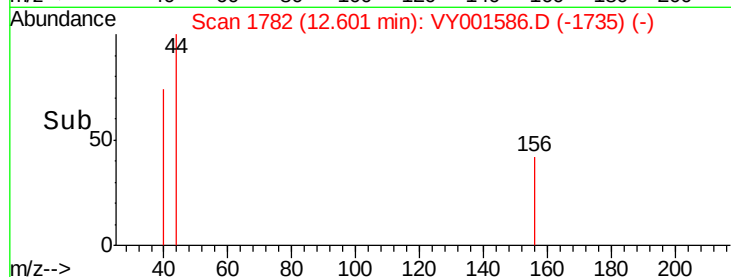
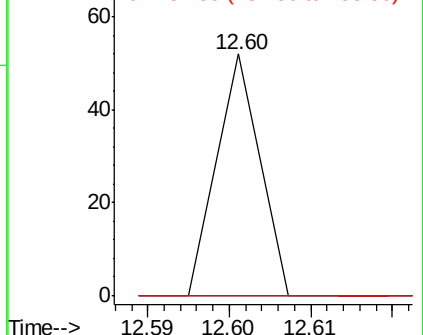
158 0.0 47.5 142.6#



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

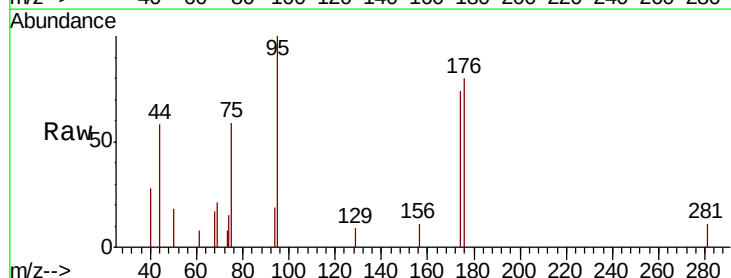
Tgt Ion: 75 Resp: 632

Ion Ratio Lower Upper

75 100

53 0.0 67.7 101.5#

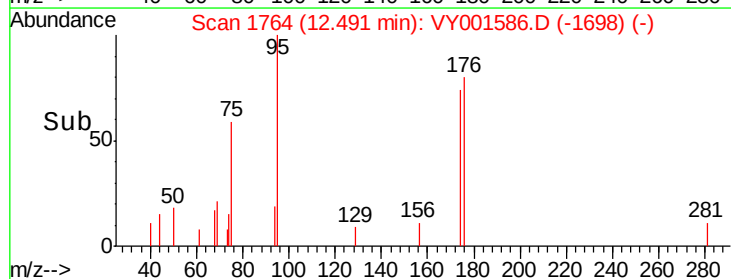
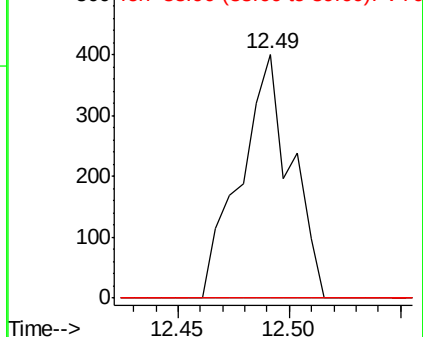
89 0.0 34.6 52.0#

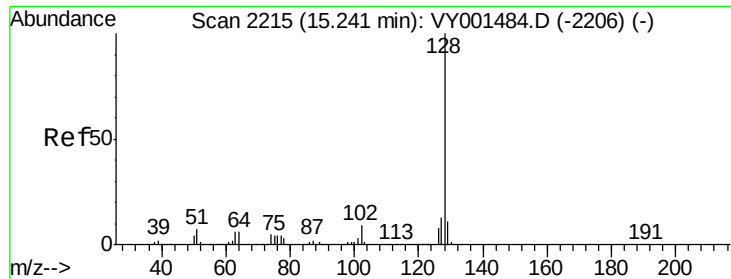


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

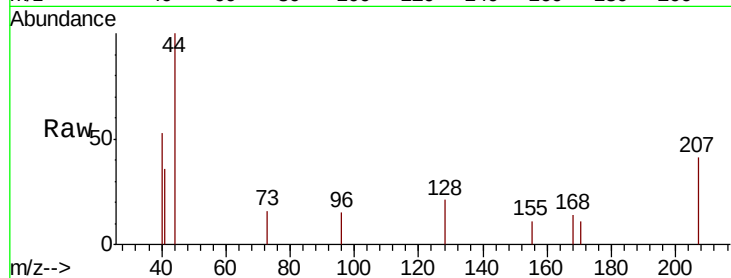




#95
 Naphthalene
 Concen: 3.220 ug/l
 RT: 15.25 min Scan# 2216
 Delta R.T. 0.01 min
 Lab File: VY001586.D
 Acq: 10 Feb 2020 15:26

Instrument :
 MSVOA_Y
 ClientSampleId :

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

