

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY013020\
 Data File : VY001437.D
 Acq On : 30 Jan 2020 17:51
 Operator : SY/MD
 Sample : L1330-01
 Misc : 6.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 03:24:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	153168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	285372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	261466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	113144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	92268	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
35) Dibromofluoromethane	7.75	113	84356	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
50) Toluene-d8	10.20	98	337255	51.83	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.49	95	119726	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	

Target Compounds

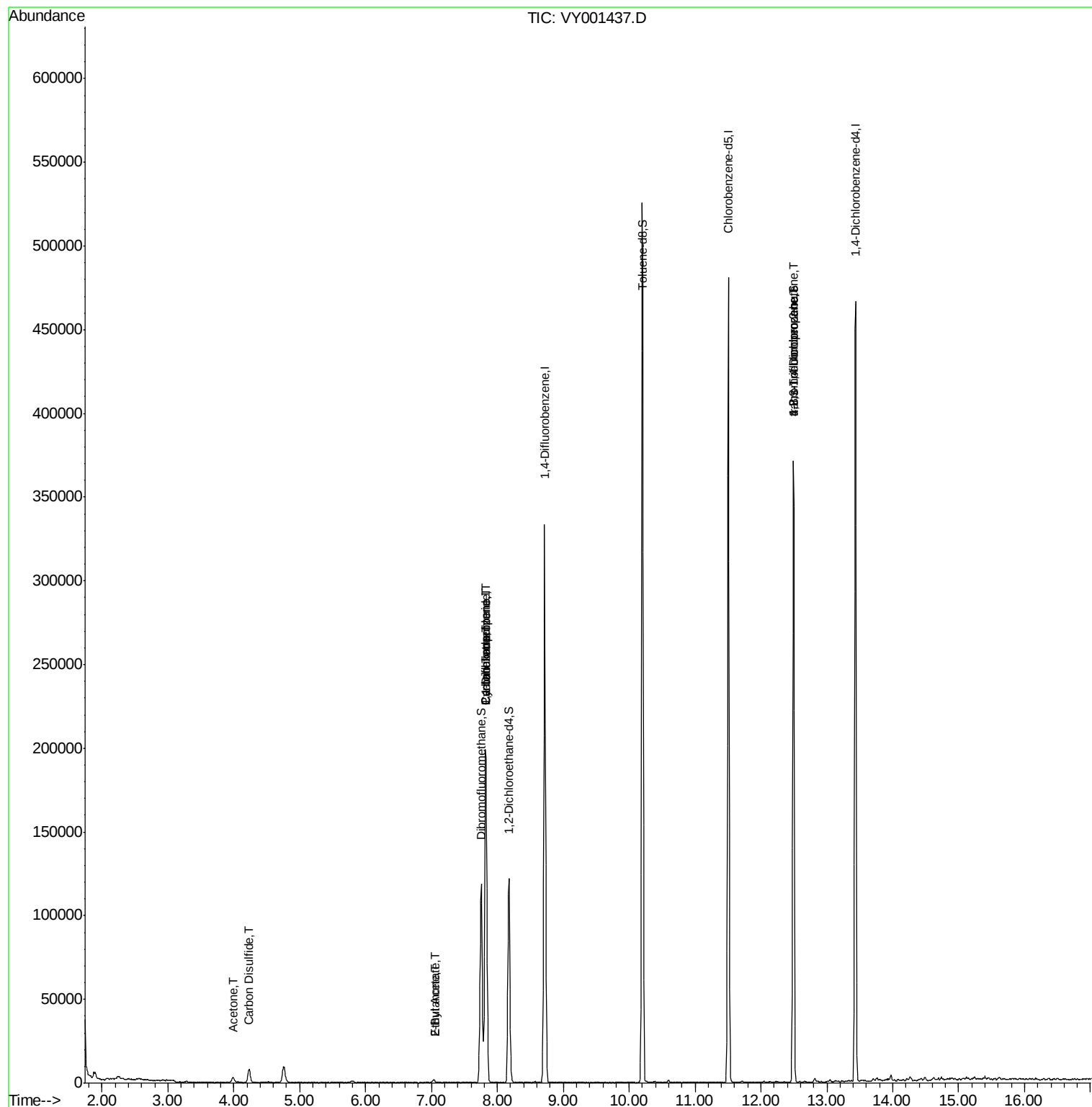
					Qvalue
11) Tert butyl alcohol	4.99	59	95	Below Cal	# 74
13) Acrolein	3.75	56	61	Below Cal	97
16) Acetone	3.99	43	5986	6.243	ug/l 91
17) Carbon Disulfide	4.23	76	16268	3.181	ug/l 96
20) Methylene Chloride	4.77	84	7361	Below Cal	# 85
25) 2-Butanone	7.05	43	1820	2.509	ug/l 97
31) Cyclohexane	7.83	56	3355	1.041	ug/l # 1
36) 1,1-Dichloropropene	7.82	75	12110	4.492	ug/l # 50
37) Ethyl Acetate	7.05	43	1820	1.105	ug/l # 68
38) Carbon Tetrachloride	7.82	117	15034	6.257	ug/l # 18
76) 1,2,3-Trichloropropane	12.49	75	60204	44.157	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.49	75	60204	83.563	ug/l # 14

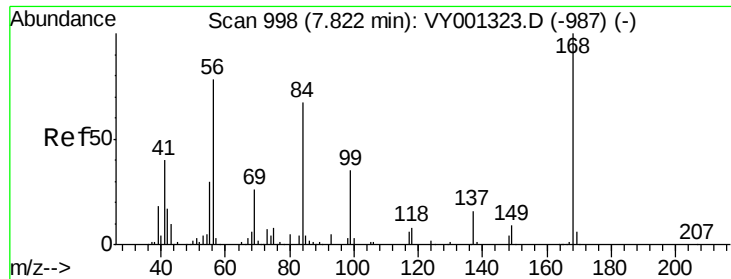
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
ClientSampleId :

Quant Time: Jan 31 03:24:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 01:21:47 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.00 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

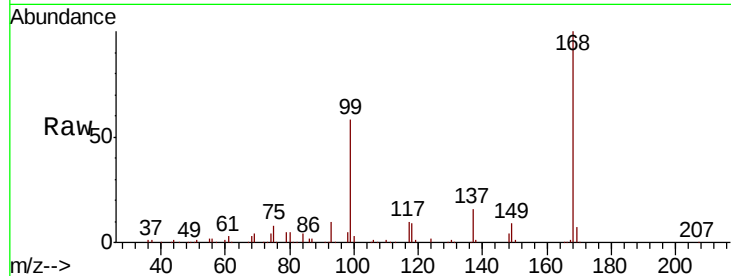
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 153168

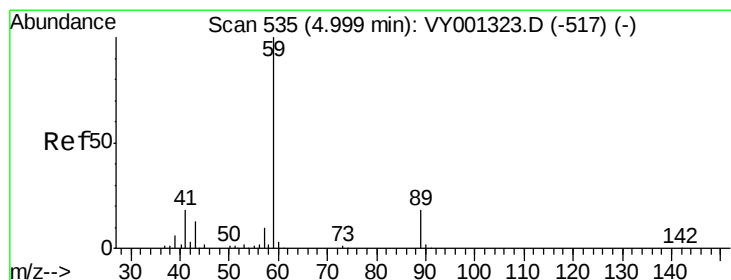
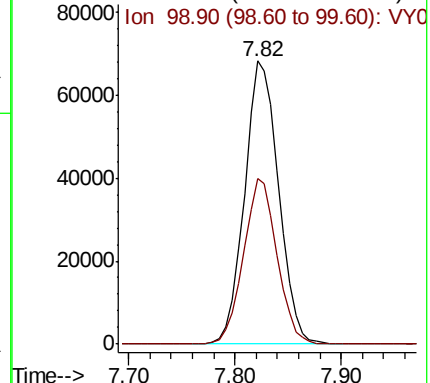
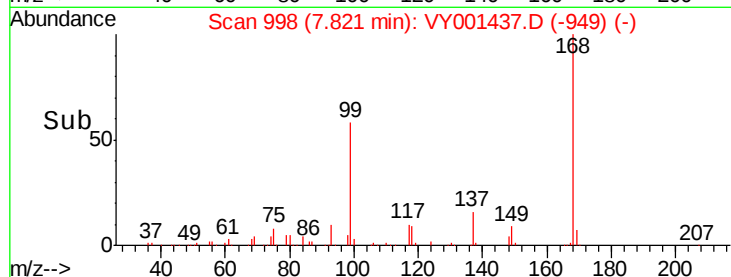
Ion Ratio Lower Upper

168 100

99 58.5 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001437.D (-949) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 534

Delta R.T. -0.01 min

Lab File: VY001437.D

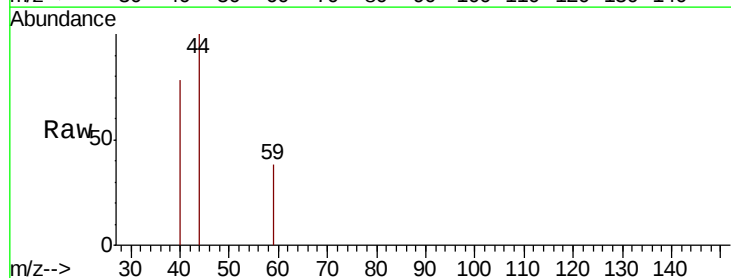
Acq: 30 Jan 2020 17:51

Tgt Ion: 59 Resp: 95

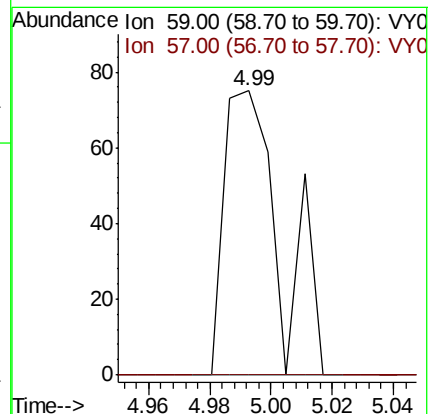
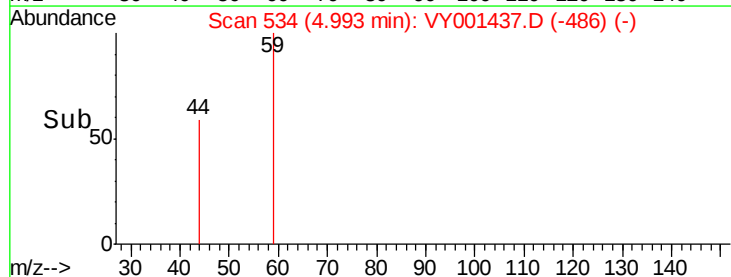
Ion Ratio Lower Upper

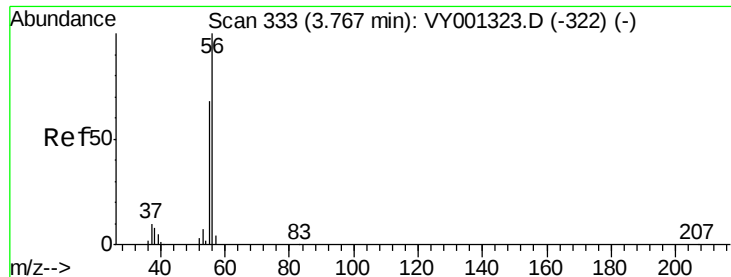
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001437.D (-486) (-)





#13

Acrolein

Concen: Below Cal

RT: 3.75 min Scan# 330

Delta R.T. -0.02 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

Instrument :

MSVOA_Y

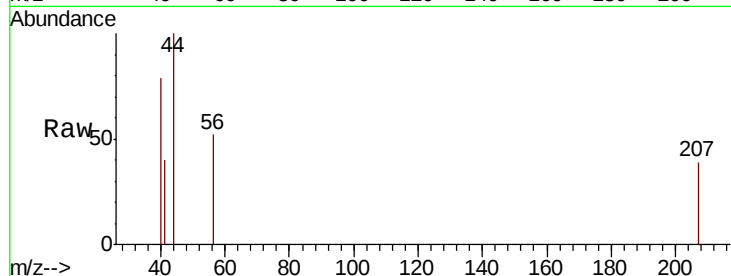
ClientSampleId :

Tot Ion: 56 Resp: 61

Ion Ratio Lower Upper

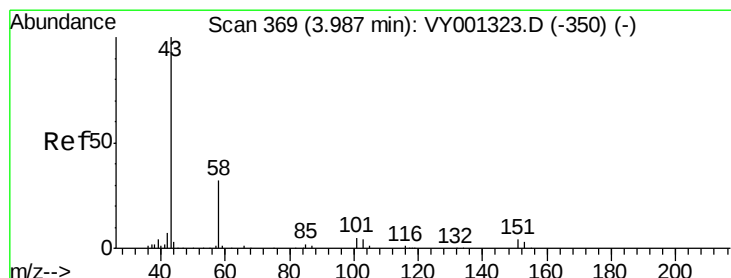
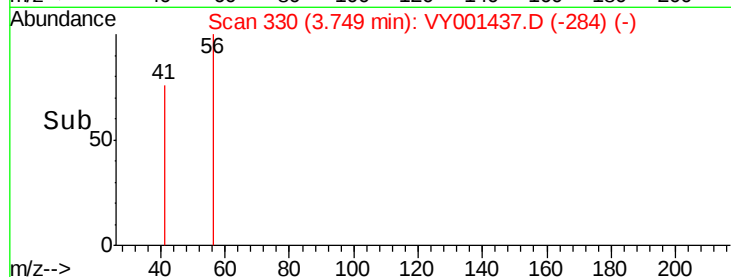
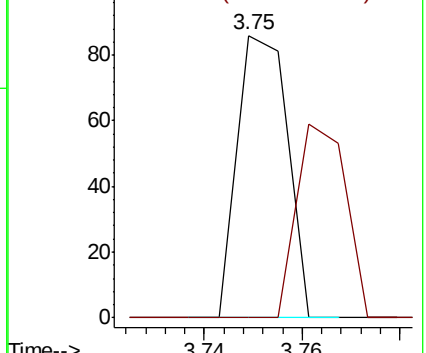
56 100

55 67.2 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 6.243 ug/l

RT: 3.99 min Scan# 369

Delta R.T. -0.00 min

Lab File: VY001437.D

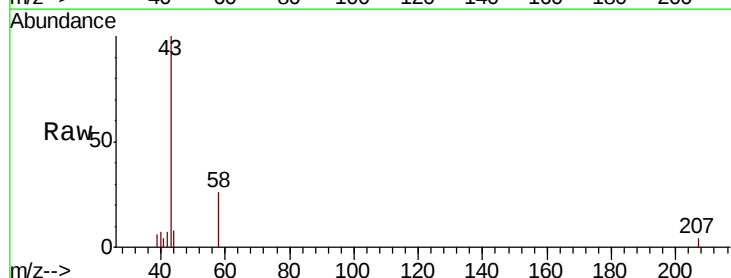
Acq: 30 Jan 2020 17:51

Tgt Ion: 43 Resp: 5986

Ion Ratio Lower Upper

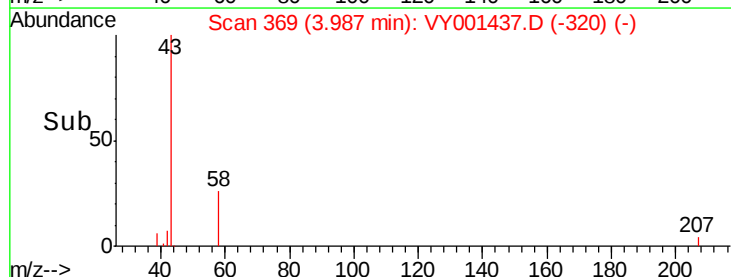
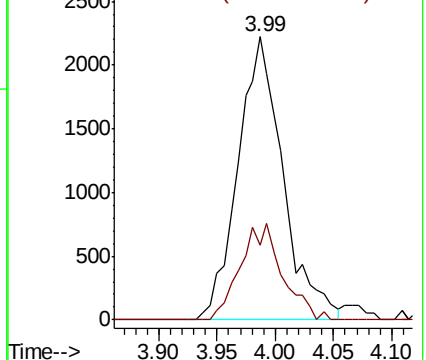
43 100

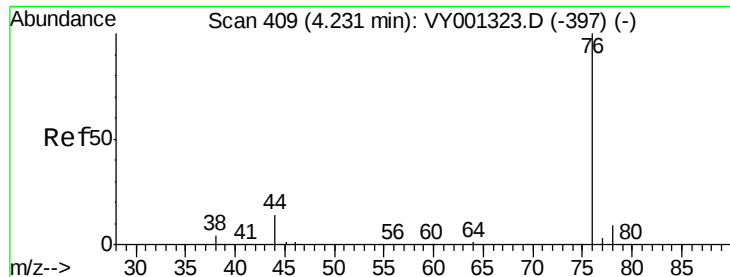
58 26.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 3.181 ug/l

RT: 4.23 min Scan# 409

Delta R.T. -0.00 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

Instrument :

MSVOA_Y

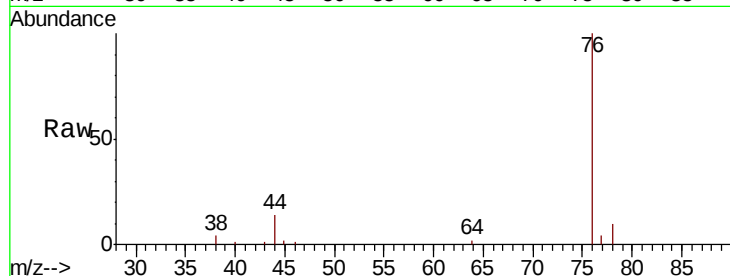
ClientSampleId :

Tot Ion: 76 Resp: 16268

Ion Ratio Lower Upper

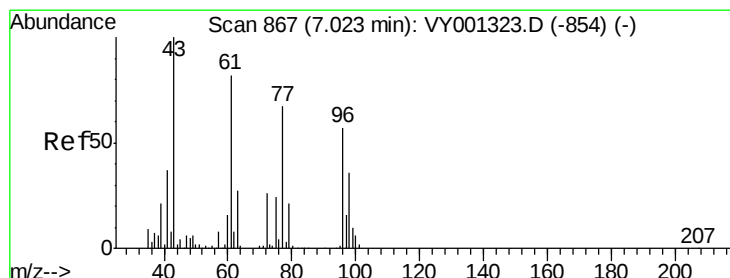
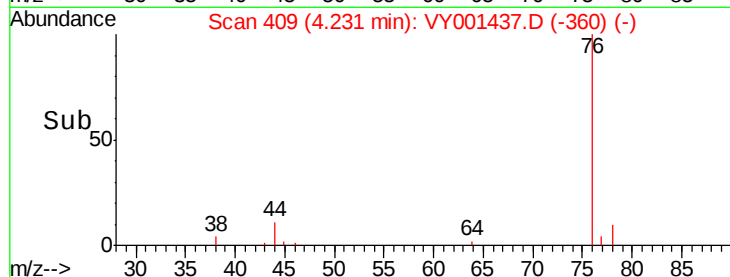
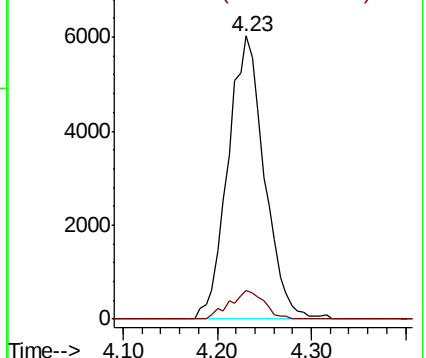
76 100

78 10.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 2.509 ug/l

RT: 7.05 min Scan# 871

Delta R.T. 0.02 min

Lab File: VY001437.D

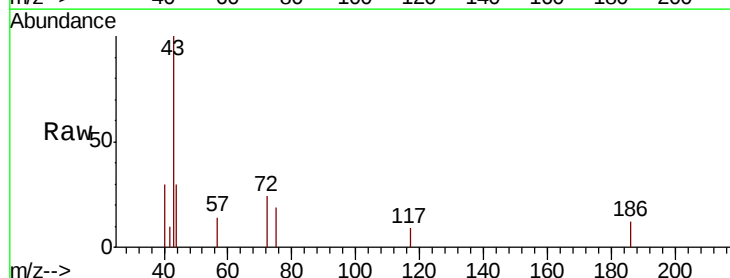
Acq: 30 Jan 2020 17:51

Tgt Ion: 43 Resp: 1820

Ion Ratio Lower Upper

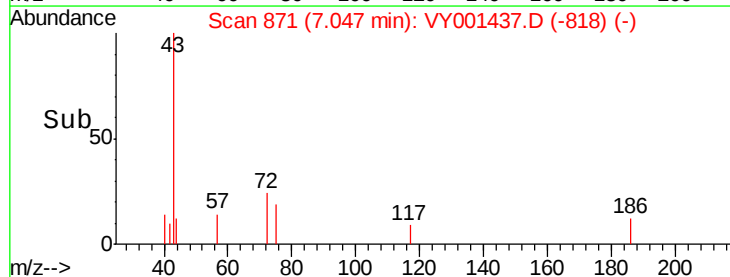
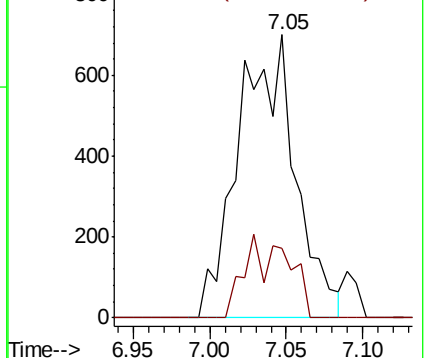
43 100

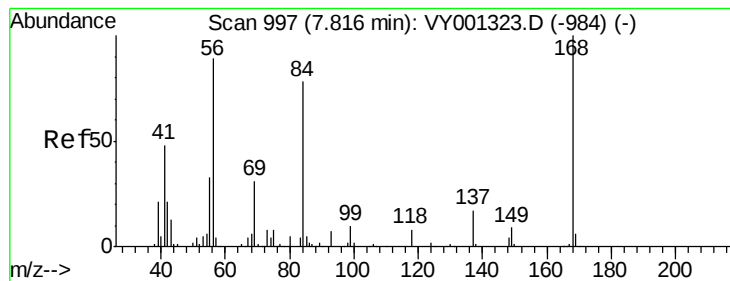
72 24.4 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.041 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

Instrument :
MSVOA_Y
ClientSampled :

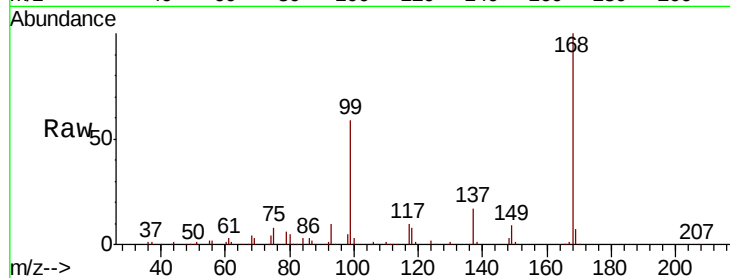
Tot Ion: 56 Resp: 3355

Ion Ratio Lower Upper

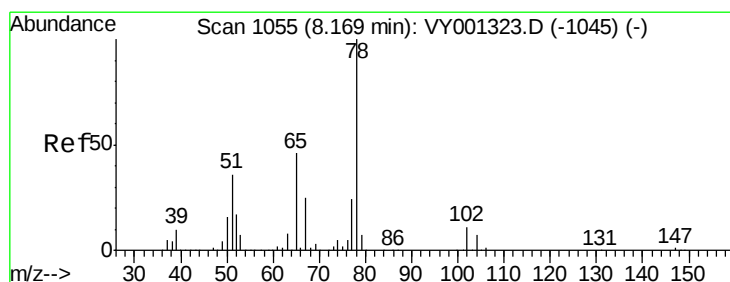
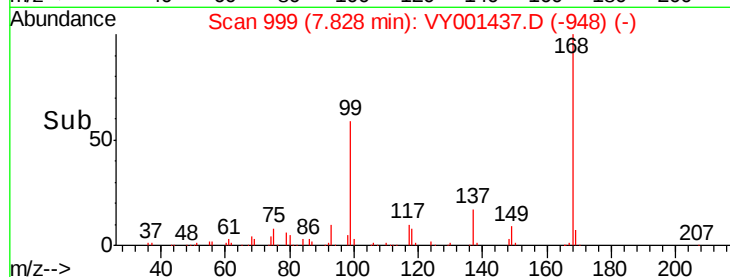
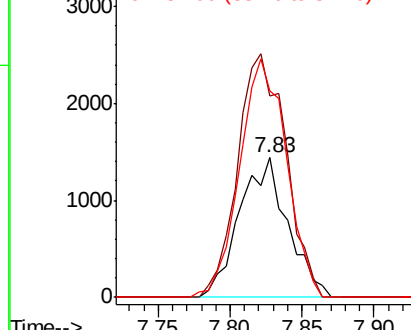
56 100

69 143.7 27.6 41.4#

84 147.3 69.7 104.5#



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: 55.360 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001437.D

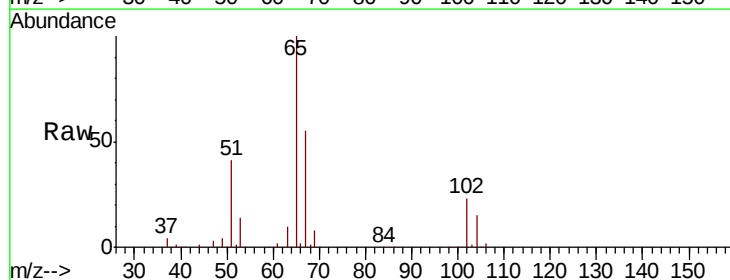
Acq: 30 Jan 2020 17:51

Tgt Ion: 65 Resp: 92268

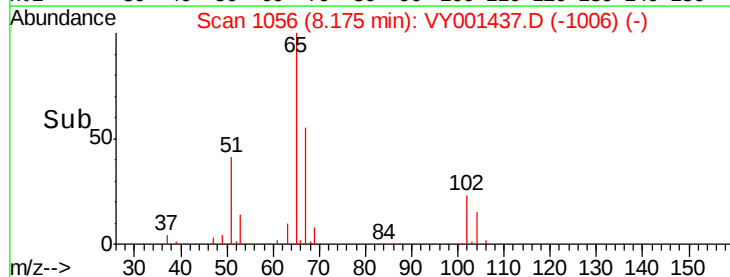
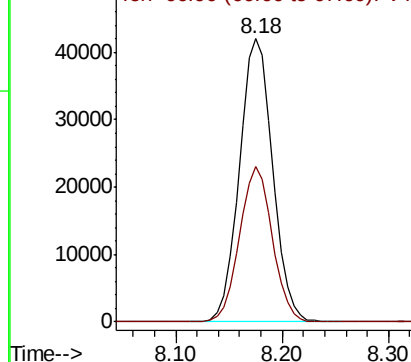
Ion Ratio Lower Upper

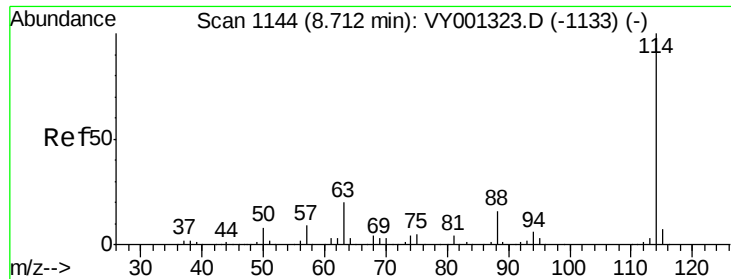
65 100

67 54.0 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

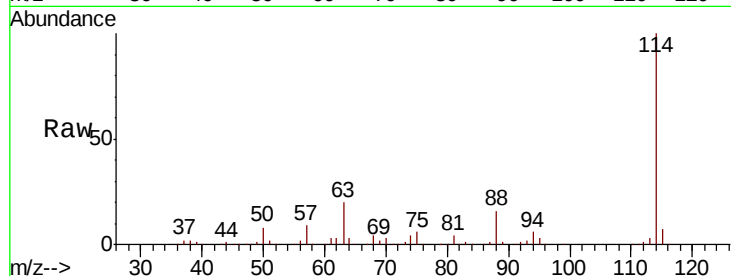




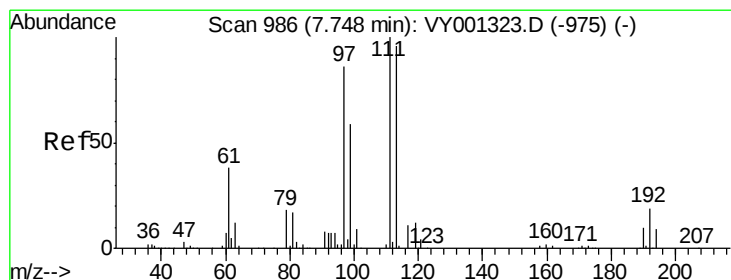
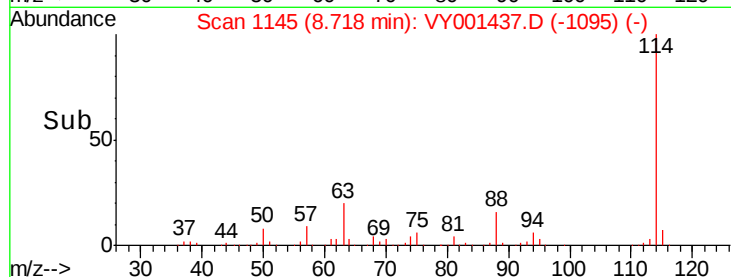
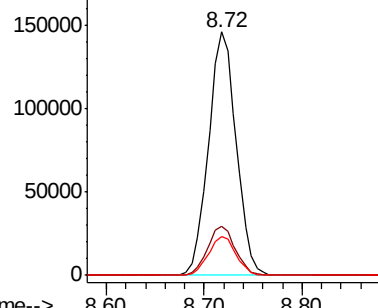
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.72 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VY001437.D
Acq: 30 Jan 2020 17:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:114 Resp: 285372
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 16.1 0.0 31.0

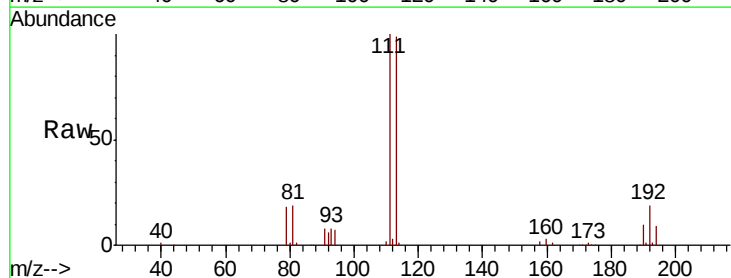


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

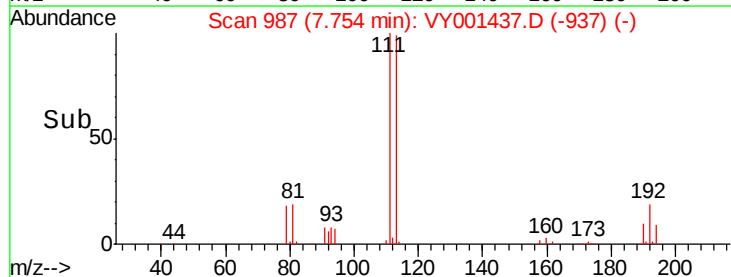
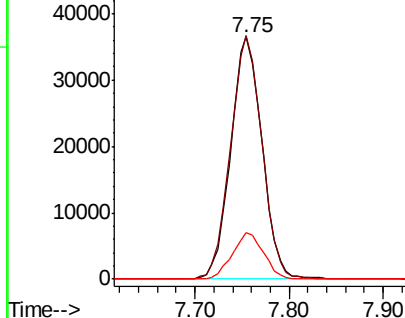


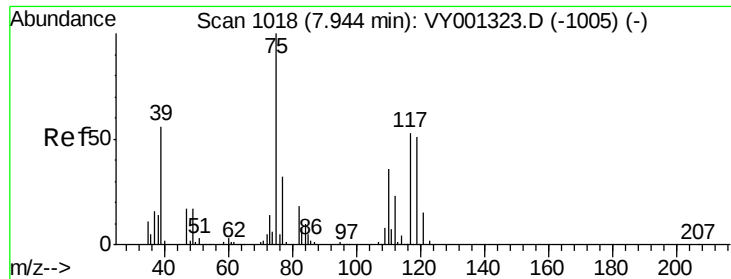
#35
Dibromofluoromethane
Concen: 50.365 ug/l
RT: 7.75 min Scan# 987
Delta R.T. 0.01 min
Lab File: VY001437.D
Acq: 30 Jan 2020 17:51

Tgt Ion:113 Resp: 84356
Ion Ratio Lower Upper
113 100
111 100.8 82.8 124.2
192 19.1 15.5 23.3



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

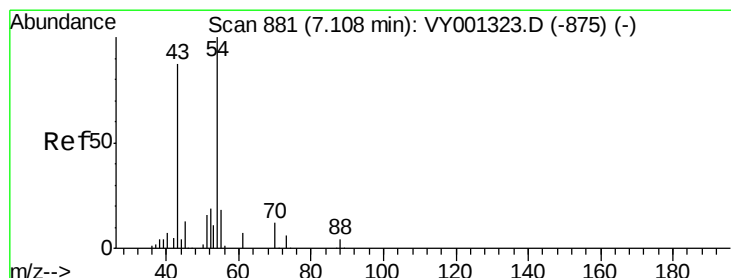
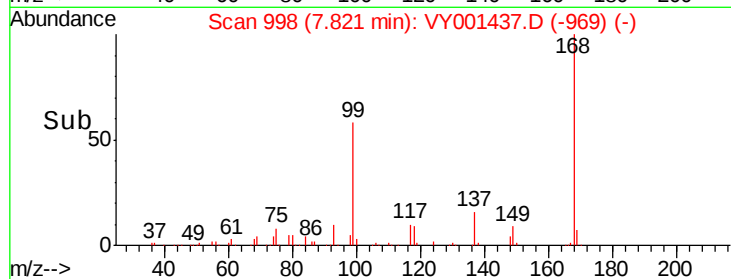
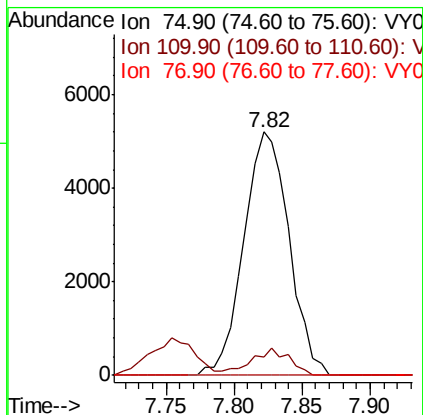
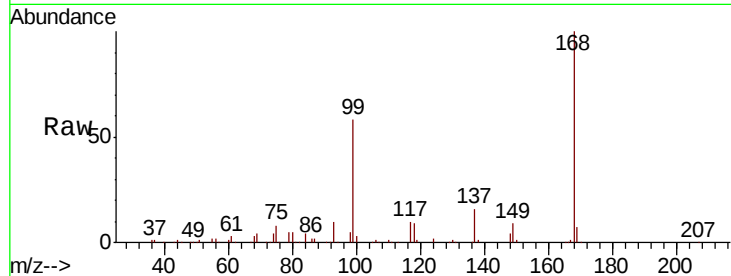




#36
 1,1-Dichloropropene
 Concen: 4.492 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001437.D
 Acq: 30 Jan 2020 17:51

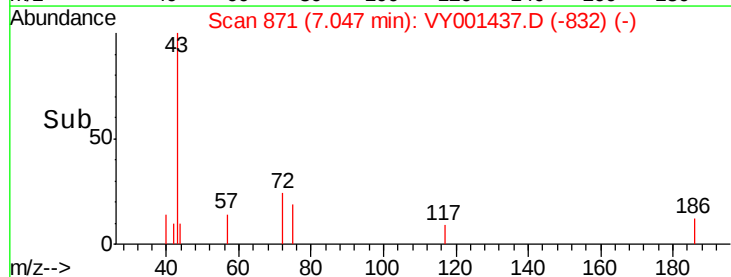
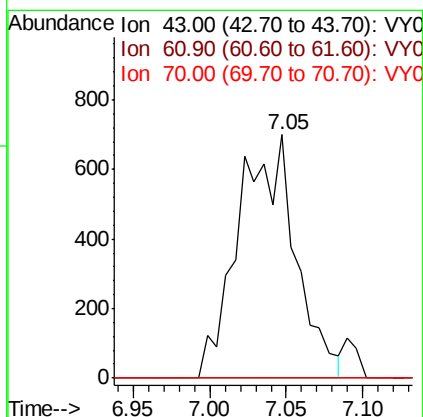
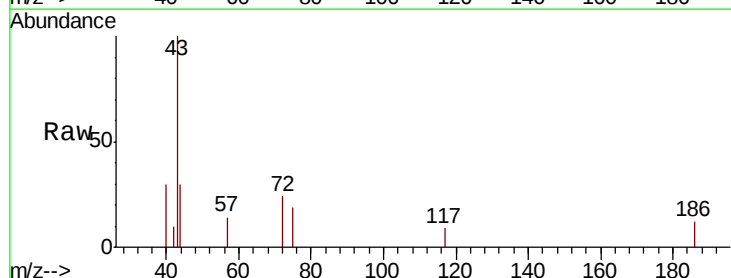
Instrument :
 MSVOA_Y
 ClientSampleId :

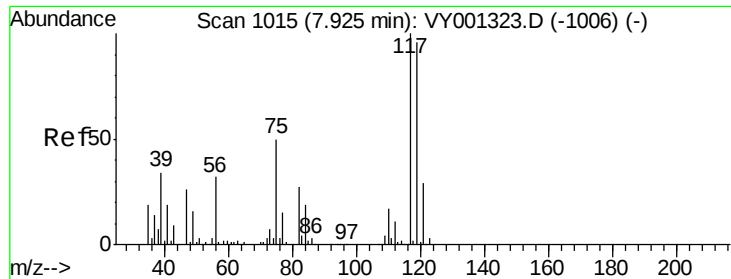
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.6	52.8#
77	0.0	24.7	37.1#



#37
 Ethyl Acetate
 Concen: 1.105 ug/l
 RT: 7.05 min Scan# 871
 Delta R.T. -0.06 min
 Lab File: VY001437.D
 Acq: 30 Jan 2020 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	8.7	13.1#

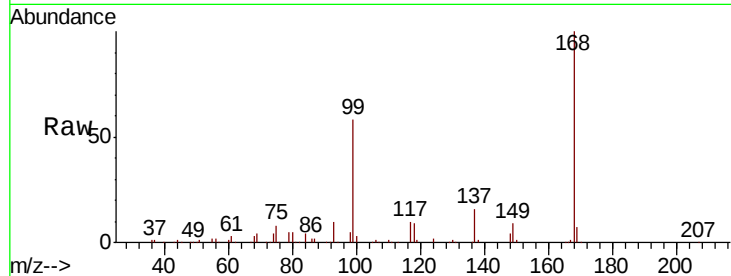




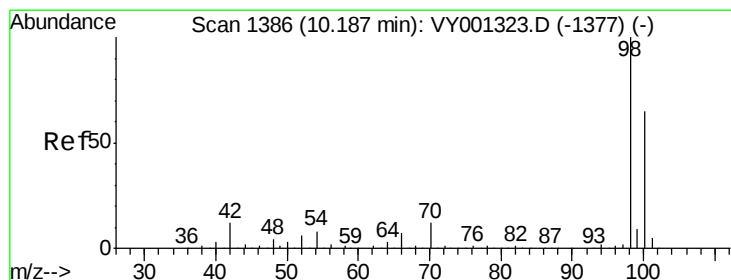
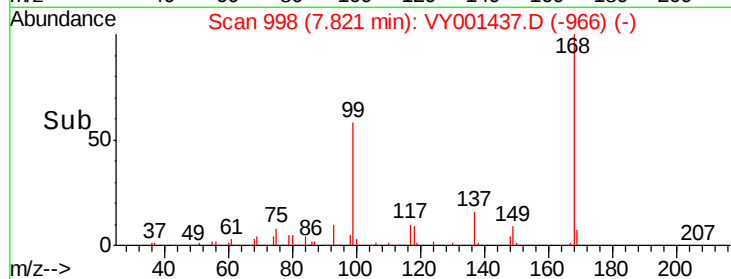
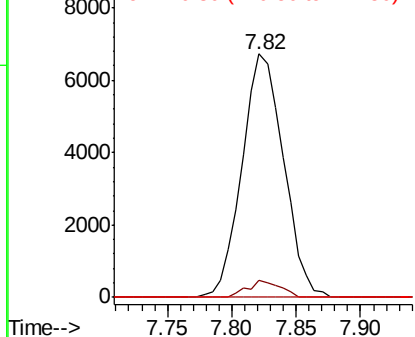
#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001437.D
Acq: 30 Jan 2020 17:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 15034
Ion Ratio Lower Upper
117 100
119 7.2 76.3 114.5#
121 0.0 23.5 35.3#

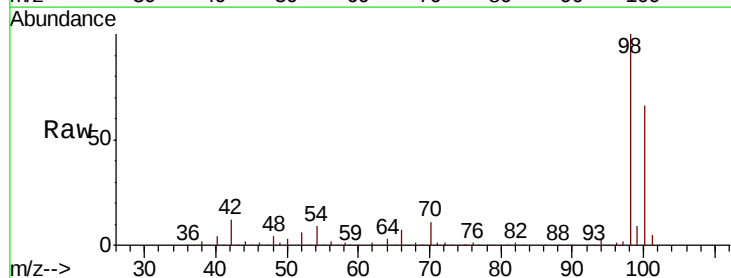


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

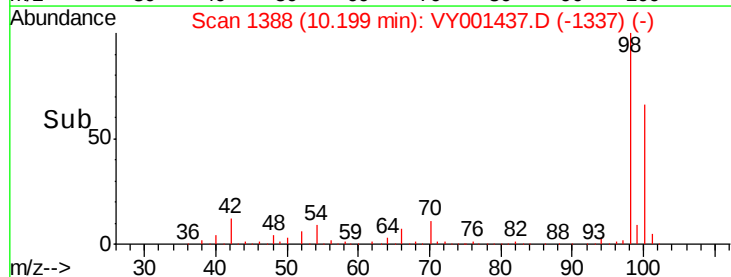
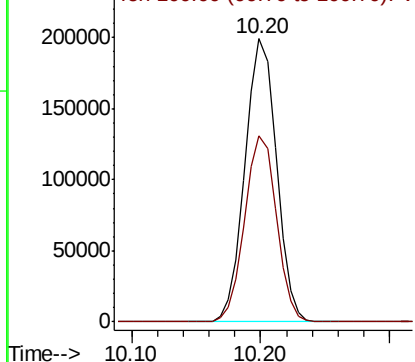


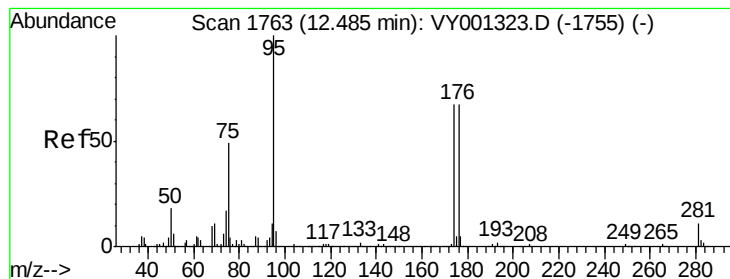
#50
Toluene-d8
Concen: 51.828 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001437.D
Acq: 30 Jan 2020 17:51

Tgt Ion: 98 Resp: 337255
Ion Ratio Lower Upper
98 100
100 66.2 52.6 79.0



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





#62

4-Bromofluorobenzene

Concen: 46.201 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

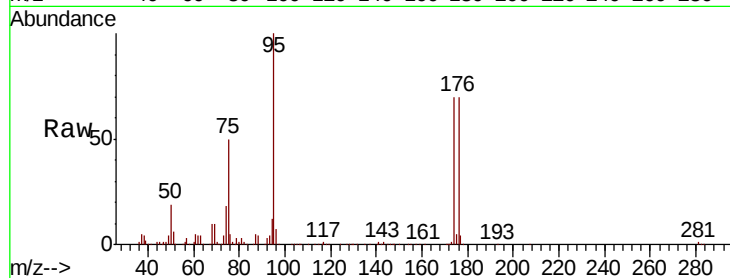
Tot Ion: 95 Resp: 119726

Ion Ratio Lower Upper

95 100

174 73.9 0.0 142.0

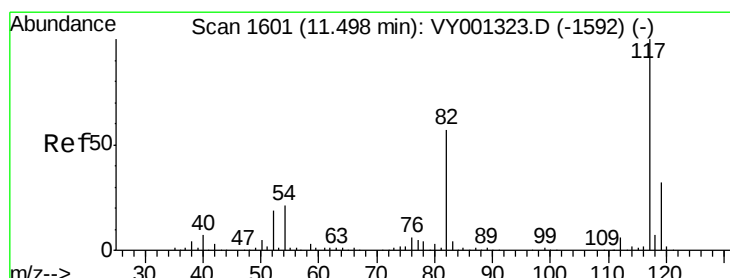
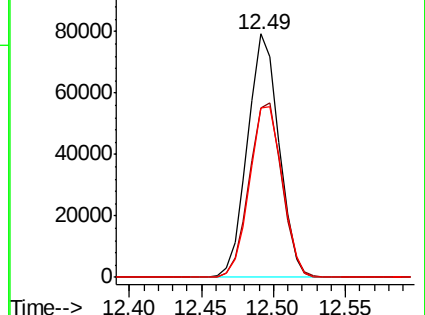
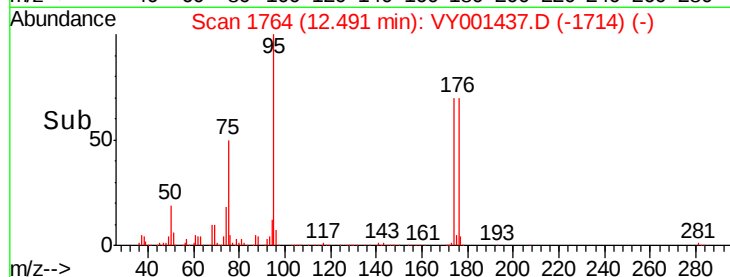
176 73.2 0.0 138.6



Abundance Ion 94.90 (94.60 to 95.60): VY001437.D (-1714) (-)

Ion 173.80 (173.50 to 174.50): VY001437.D (-1714) (-)

Ion 175.80 (175.50 to 176.50): VY001437.D (-1714) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

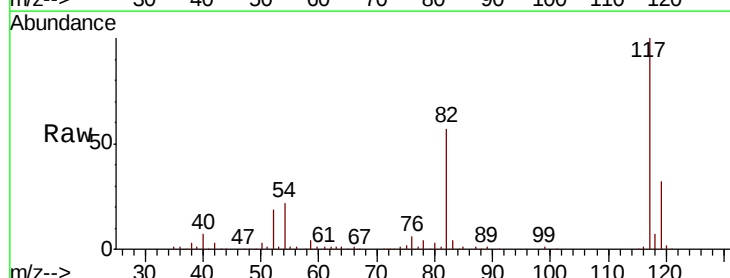
Tgt Ion: 117 Resp: 261466

Ion Ratio Lower Upper

117 100

82 57.3 45.5 68.3

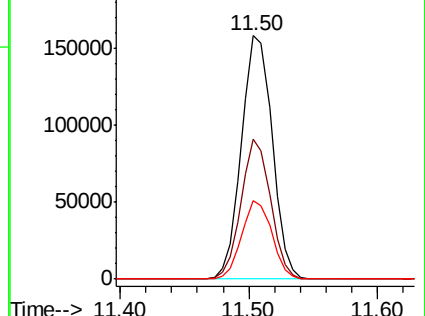
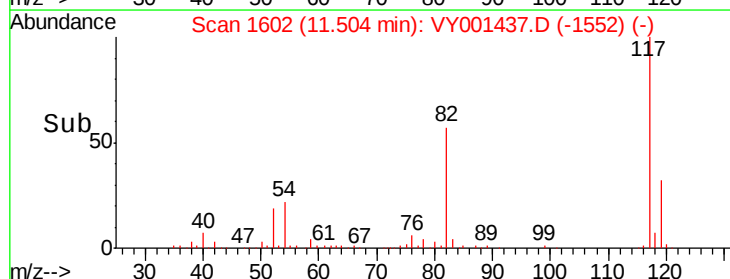
119 32.1 25.8 38.6

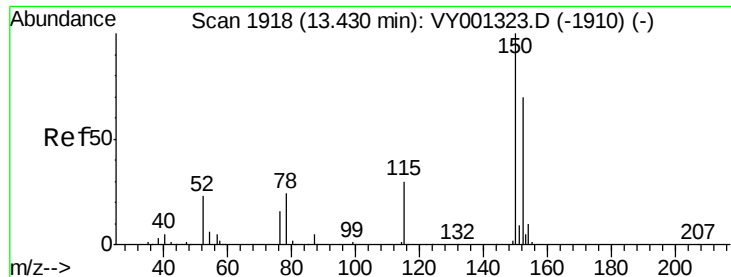


Abundance Ion 116.90 (116.60 to 117.60): VY001437.D (-1552) (-)

Ion 82.00 (81.70 to 82.70): VY001437.D (-1552) (-)

Ion 118.90 (118.60 to 119.60): VY001437.D (-1552) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

Instrument :

MSVOA_Y

ClientSampled :

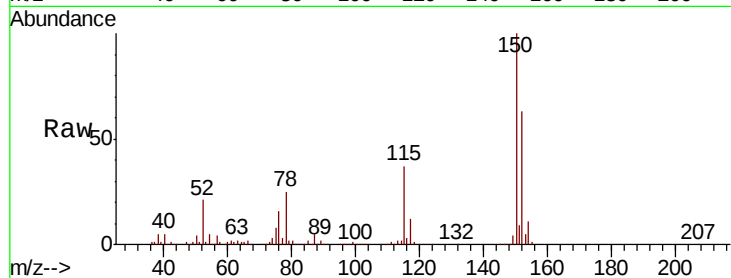
Tot Ion:152 Resp: 113144

Ion Ratio Lower Upper

152 100

115 60.6 30.9 92.8

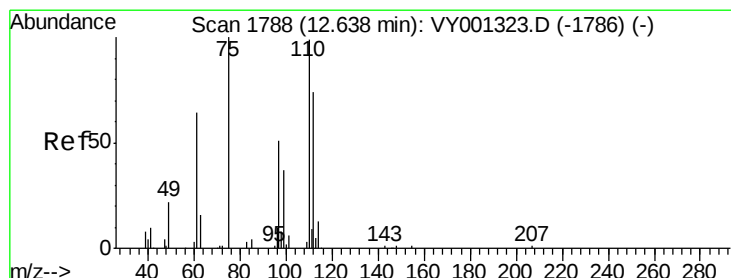
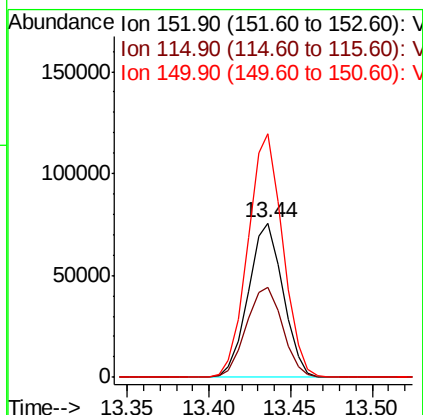
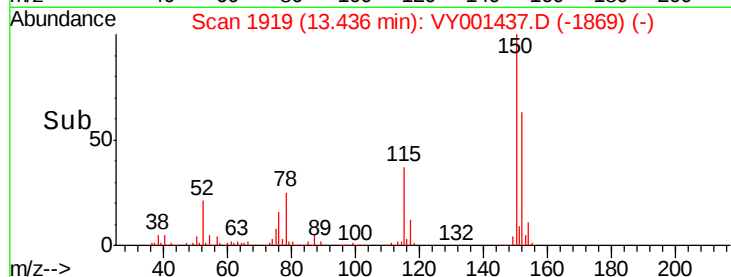
150 157.7 0.0 349.2



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: 44.157 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001437.D

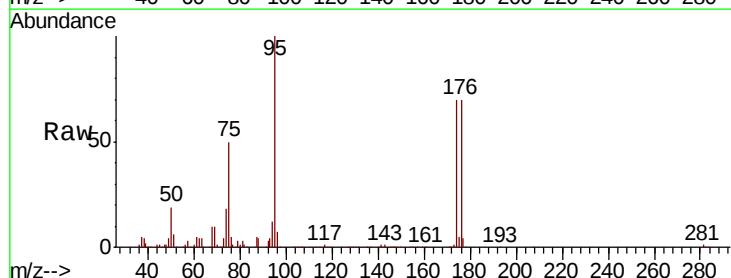
Acq: 30 Jan 2020 17:51

Tgt Ion: 75 Resp: 60204

Ion Ratio Lower Upper

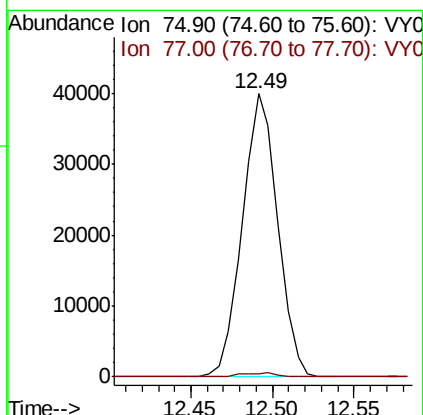
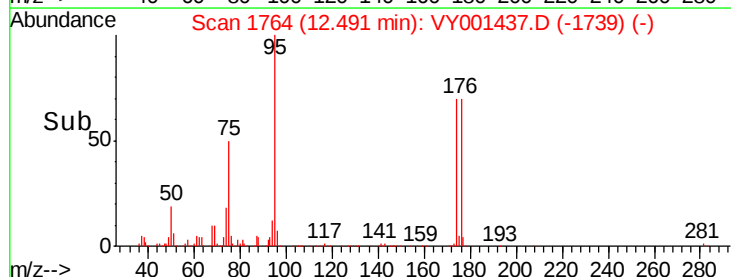
75 100

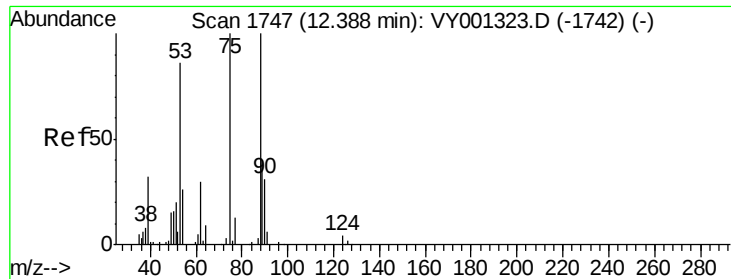
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 83.563 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001437.D

Acq: 30 Jan 2020 17:51

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 60204

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.1 36.6 54.8#

