

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001305.D
 Acq On : 20 Jan 2020 18:51
 Operator : SY/MD
 Sample : L1210-02
 Misc : 6.46G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:04:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 06:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	182041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	334264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	280151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	94931	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	104346	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	7.75	113	97475	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	10.20	98	381353	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
62) 4-Bromofluorobenzene	12.49	95	120146	38.97	ug/l	0.00
Spiked Amount			Recovery	=	77.94%	

Target Compounds

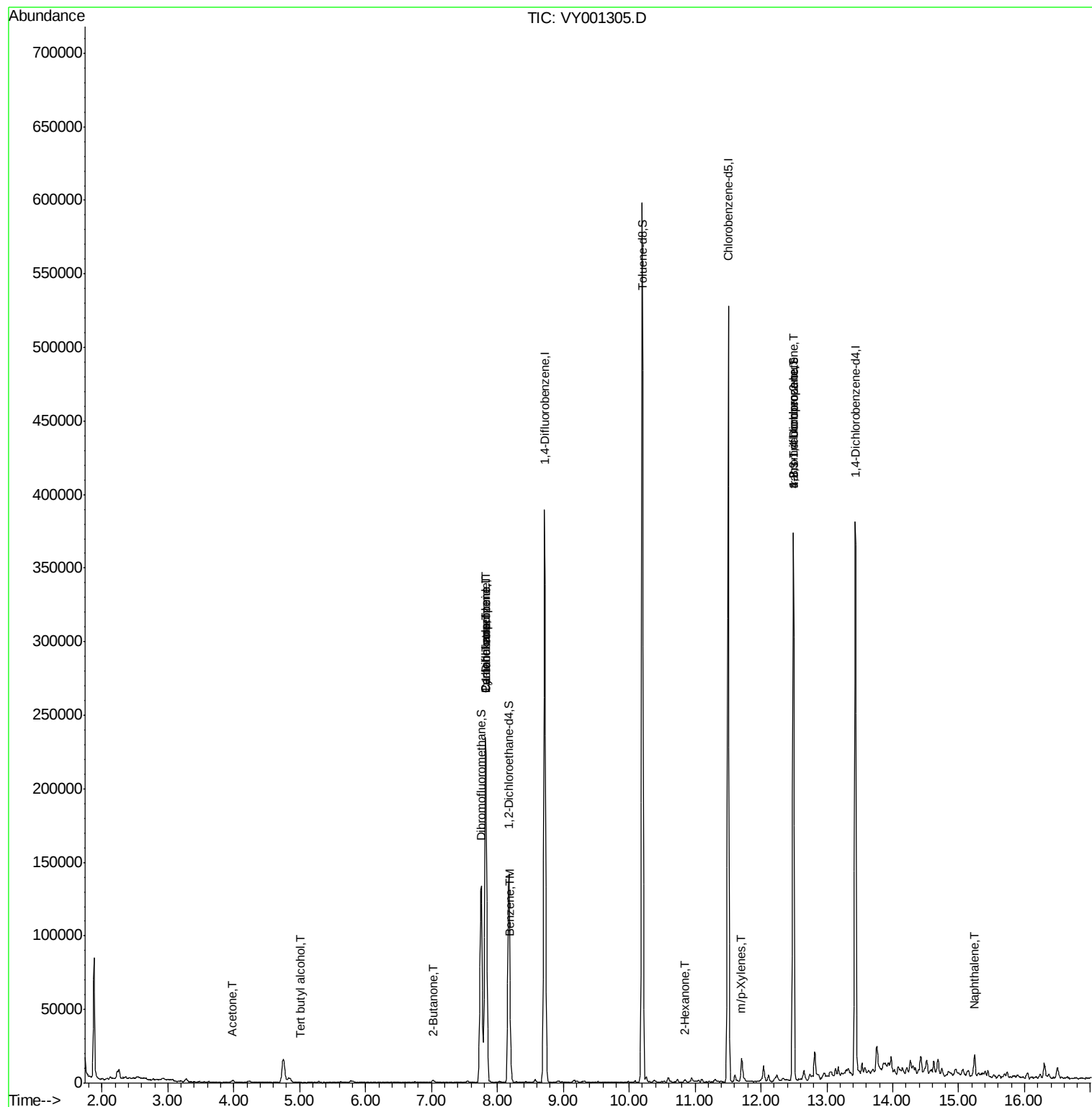
						Qvalue
11) Tert butyl alcohol	5.00	59	208	1.075	ug/l #	73
16) Acetone	3.98	43	2778	6.221	ug/l	96
25) 2-Butanone	7.02	43	1689	2.430	ug/l	97
31) Cyclohexane	7.82	56	4064	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14076	4.620	ug/l #	48
38) Carbon Tetrachloride	7.82	117	17545	6.284	ug/l #	14
40) Benzene	8.20	78	12998	1.462	ug/l	91
59) 2-Hexanone	10.85	43	1865	1.534	ug/l	75
68) m/p-Xylenes	11.70	106	4890	1.266	ug/l	92
76) 1,2,3-Trichloropropane	12.49	75	58889	57.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	58889	98.267	ug/l #	6
95) Naphthalene	15.25	128	12558	2.954	ug/l	97

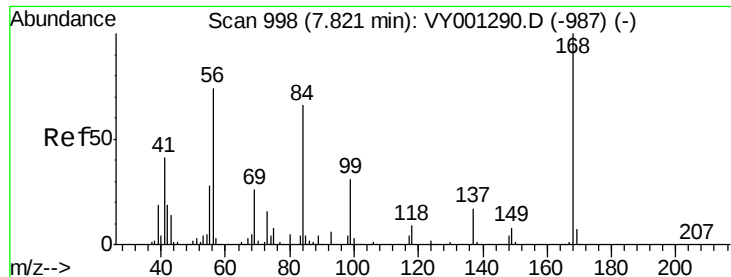
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 21 06:54:04 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: VY001305.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_Y

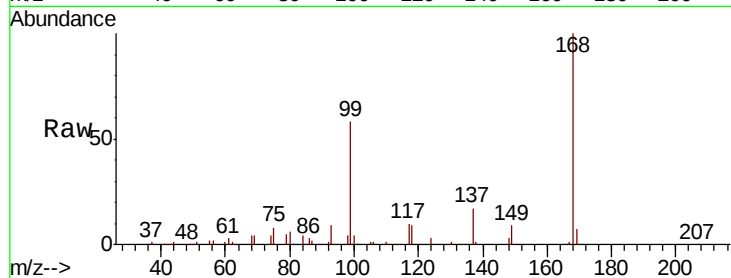
ClientSampleId :

Tot Ion:168 Resp: 182041

Ion Ratio Lower Upper

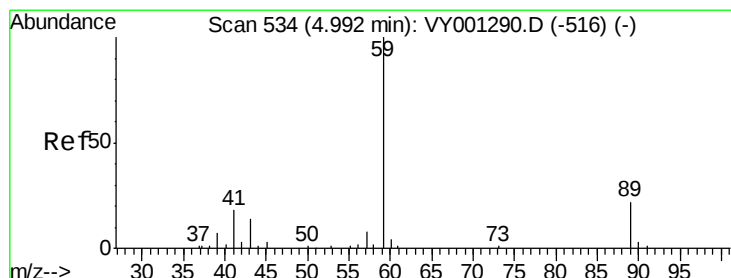
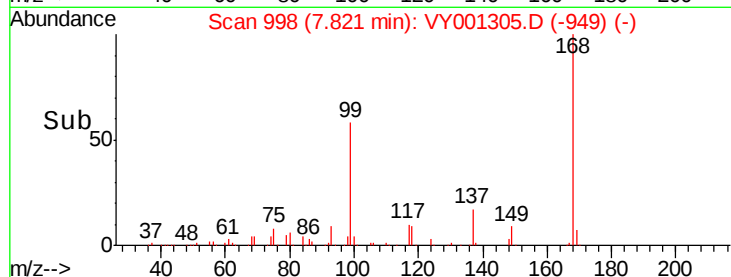
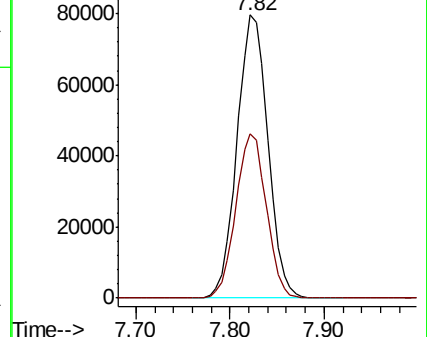
168 100

99 58.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001290.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001290.D (-987) (-)



#11

Tert butyl alcohol

Concen: 1.075 ug/l

RT: 5.00 min Scan# 536

Delta R.T. 0.01 min

Lab File: VY001305.D

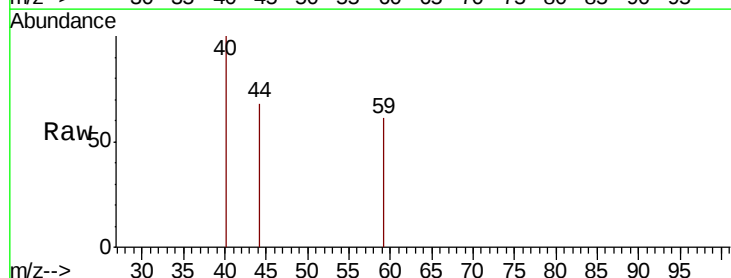
Acq: 20 Jan 2020 18:51

Tgt Ion: 59 Resp: 208

Ion Ratio Lower Upper

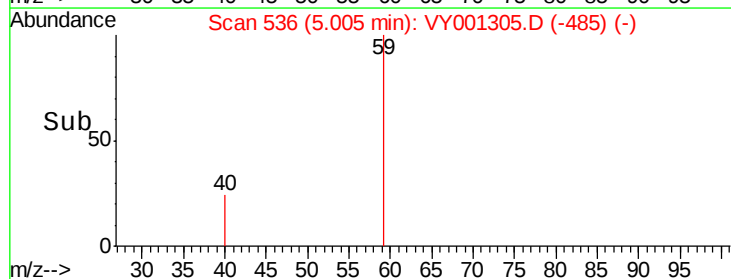
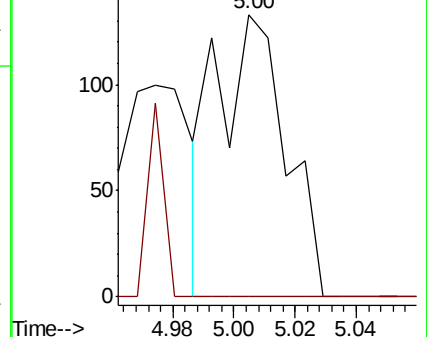
59 100

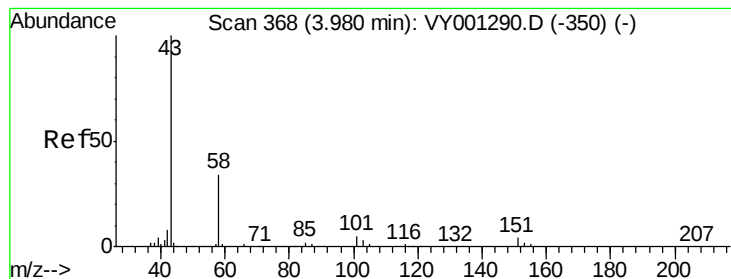
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001290.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001290.D (-516) (-)





#16

Acetone

Concen: 6.221 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.00 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_Y

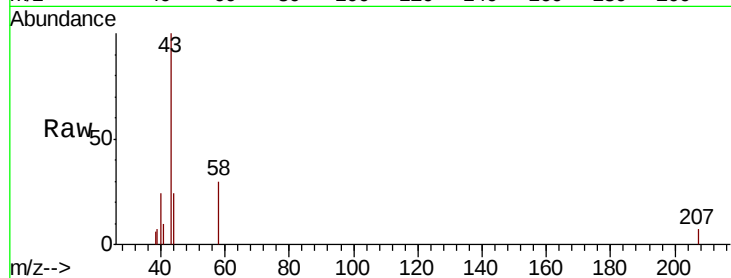
ClientSampled :

Tot Ion: 43 Resp: 2778

Ion Ratio Lower Upper

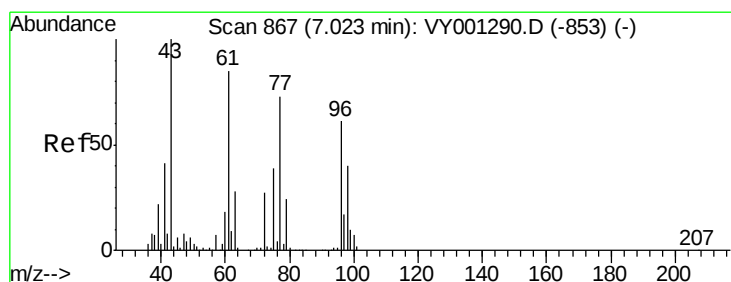
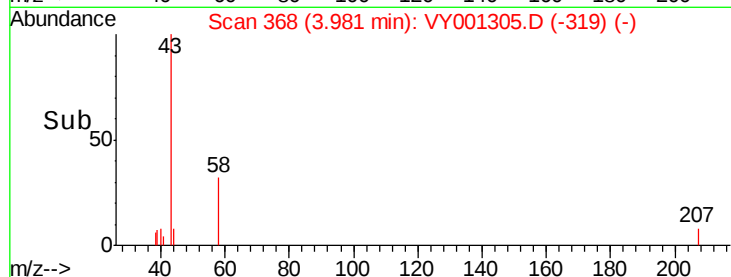
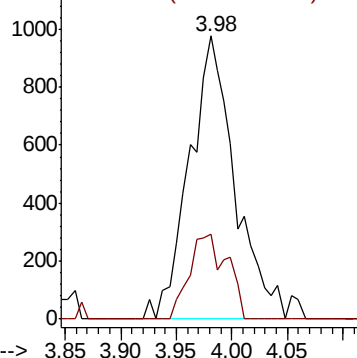
43 100

58 30.1 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 2.430 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.00 min

Lab File: VY001305.D

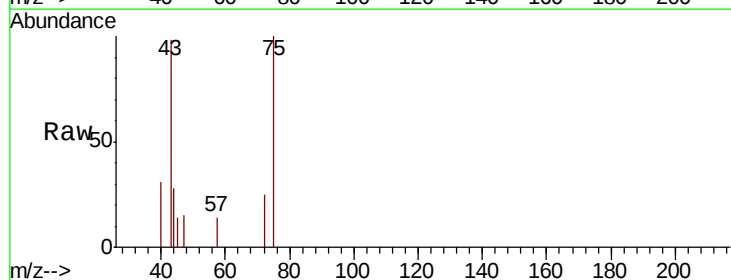
Acq: 20 Jan 2020 18:51

Tgt Ion: 43 Resp: 1689

Ion Ratio Lower Upper

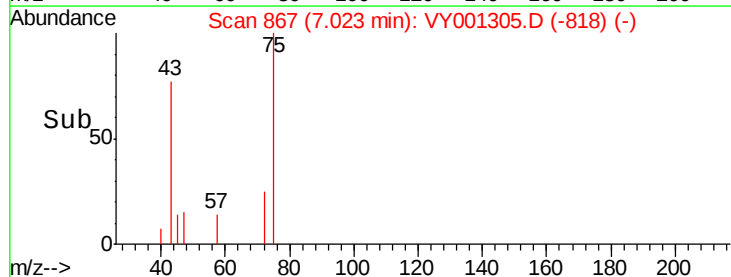
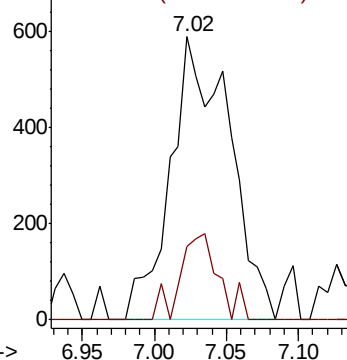
43 100

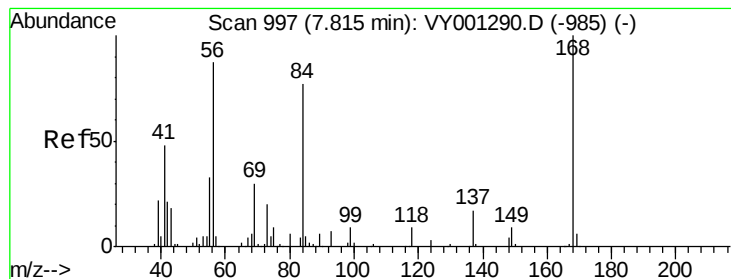
72 26.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

Instrument :
MSVOA_Y
ClientSampled :

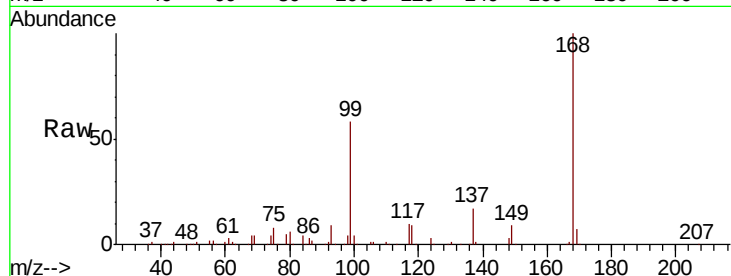
Tot Ion: 56 Resp: 4064

Ion Ratio Lower Upper

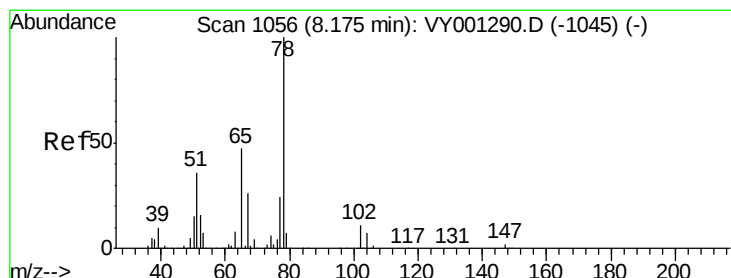
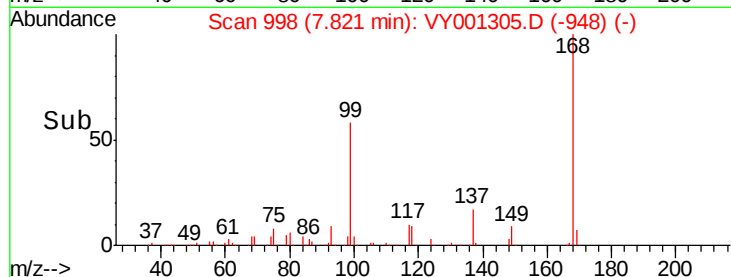
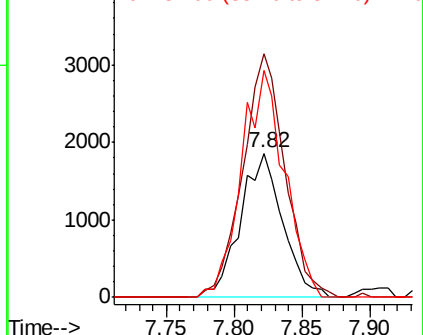
56 100

69 168.7 27.8 41.8#

84 157.3 68.9 103.3#



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: 54.271 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.00 min

Lab File: VY001305.D

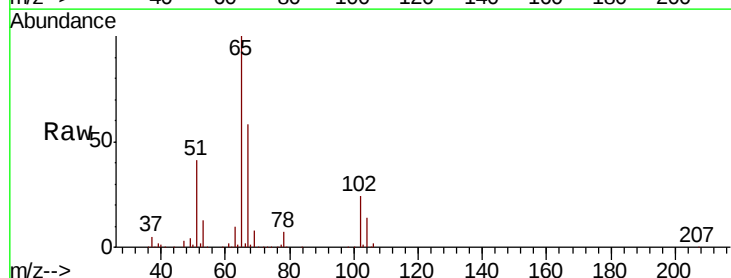
Acq: 20 Jan 2020 18:51

Tgt Ion: 65 Resp: 104346

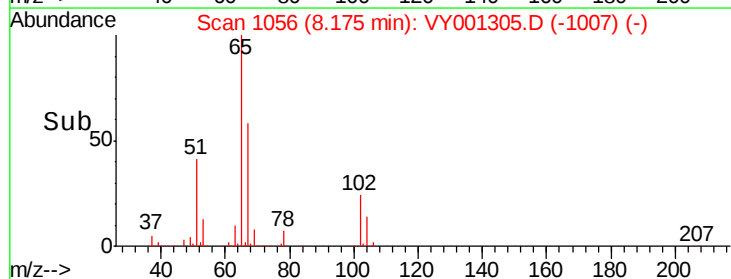
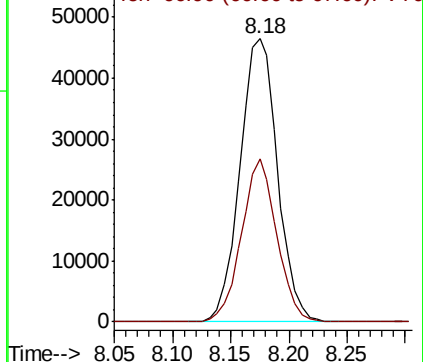
Ion Ratio Lower Upper

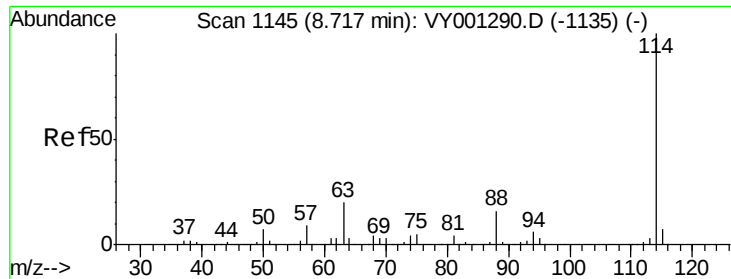
65 100

67 54.1 0.0 105.2



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

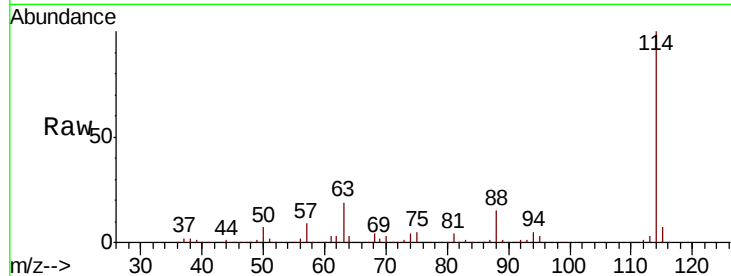




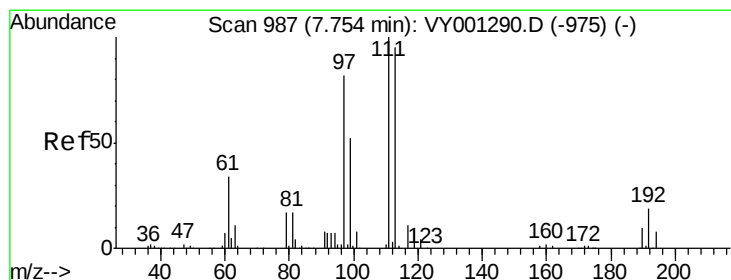
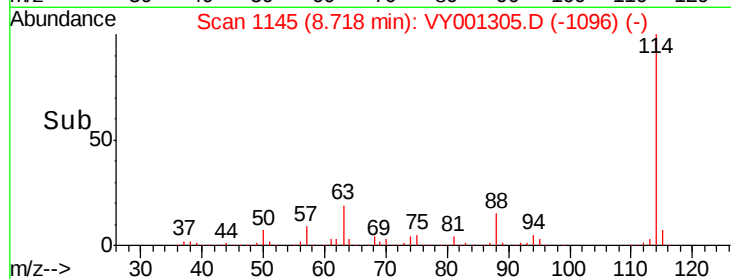
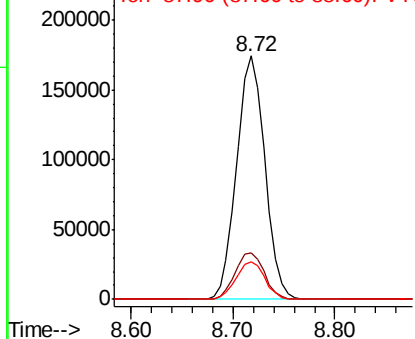
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VY001305.D
 Acq: 20 Jan 2020 18:51

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 334264
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.8
 88 15.5 0.0 32.4

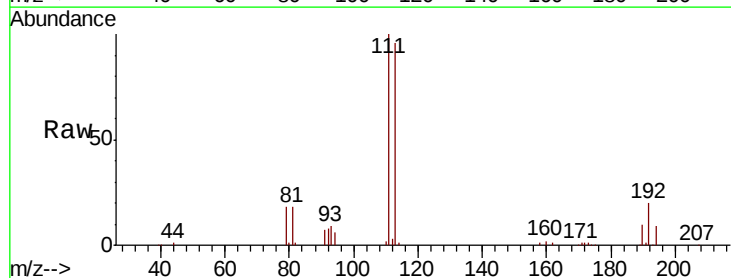


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

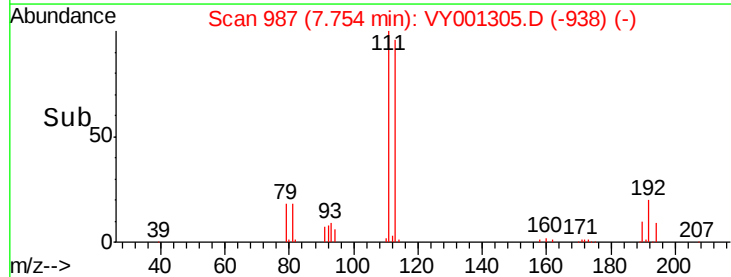
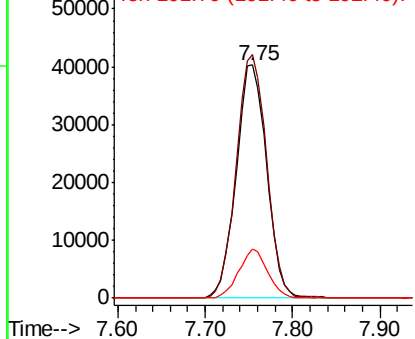


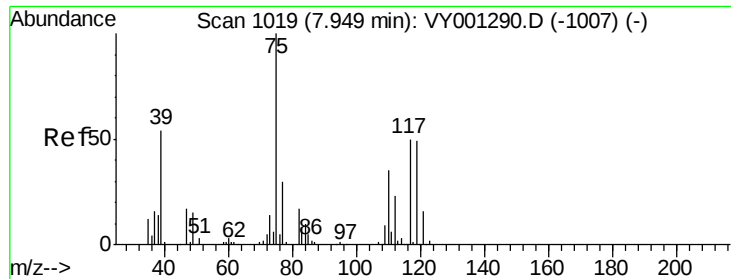
#35
 Dibromofluoromethane
 Concen: 49.806 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VY001305.D
 Acq: 20 Jan 2020 18:51

Tgt Ion:113 Resp: 97475
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 19.8 15.4 23.2



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

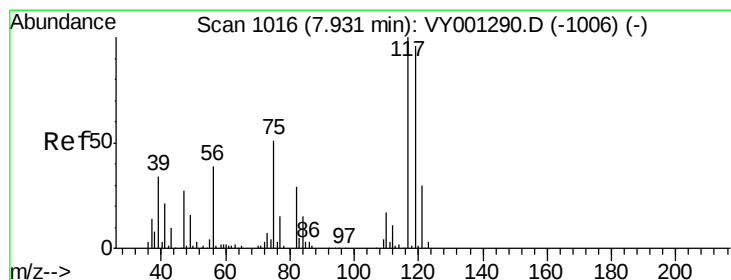
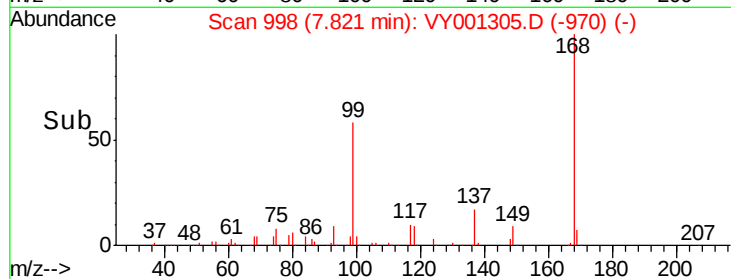
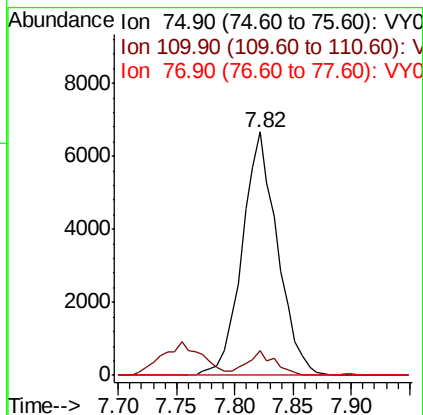
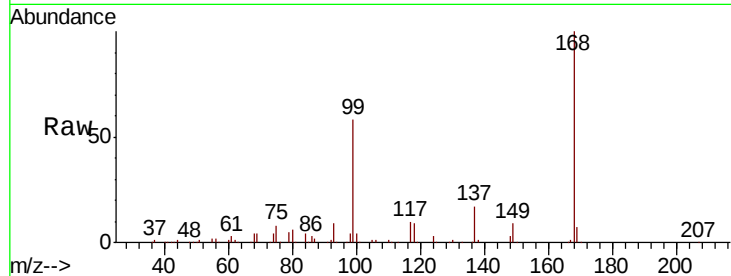




#36
 1,1-Dichloropropene
 Concen: 4.620 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.13 min
 Lab File: VY001305.D
 Acq: 20 Jan 2020 18:51

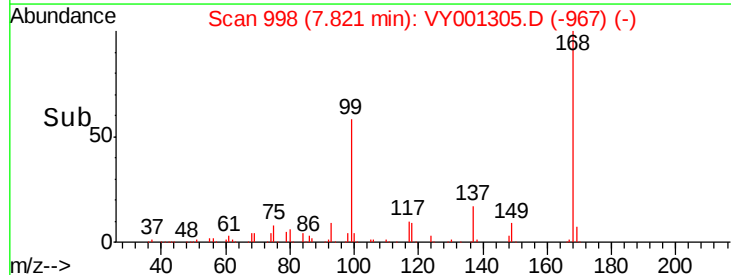
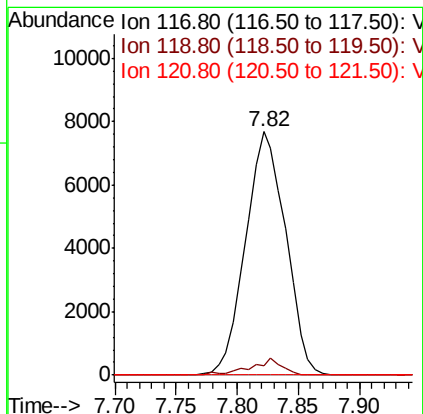
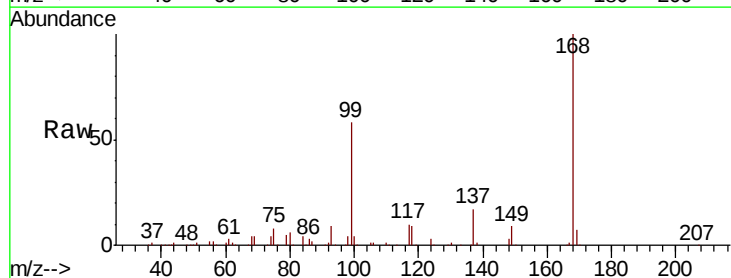
Instrument :
 MSVOA_Y
 ClientSampleId :

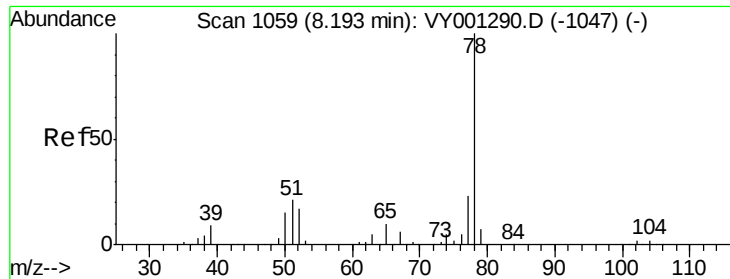
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.3	54.8#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.284 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.11 min
 Lab File: VY001305.D
 Acq: 20 Jan 2020 18:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	78.3	117.5#
121	0.0	23.5	35.3#





#40

Benzene

Concen: 1.462 ug/l

RT: 8.20 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_Y

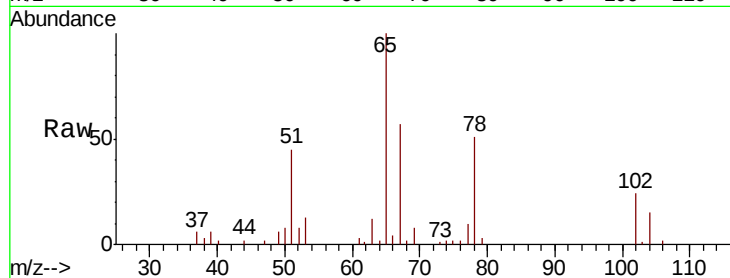
ClientSampleId :

Tot Ion: 78 Resp: 12998

Ion Ratio Lower Upper

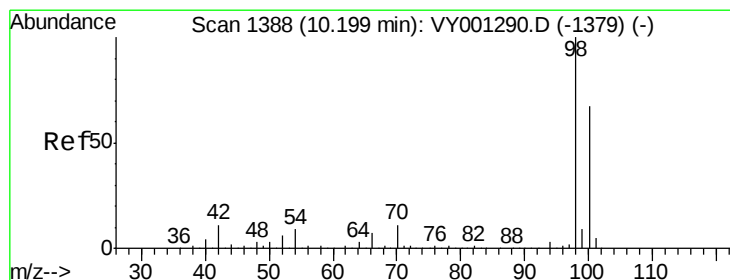
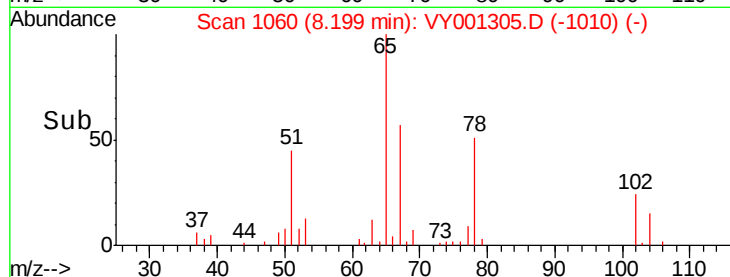
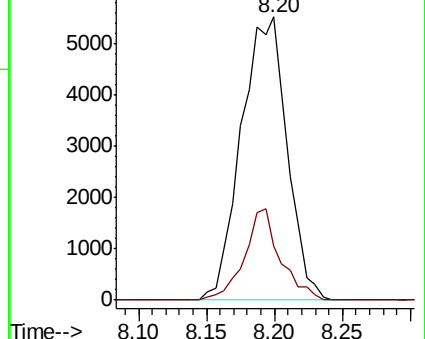
78 100

77 19.0 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VY0

Ion 77.00 (76.70 to 77.70): VY0



#50

Toluene-d8

Concen: 50.570 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VY001305.D

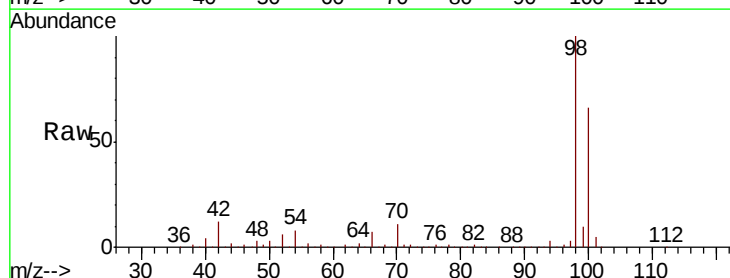
Acq: 20 Jan 2020 18:51

Tgt Ion: 98 Resp: 381353

Ion Ratio Lower Upper

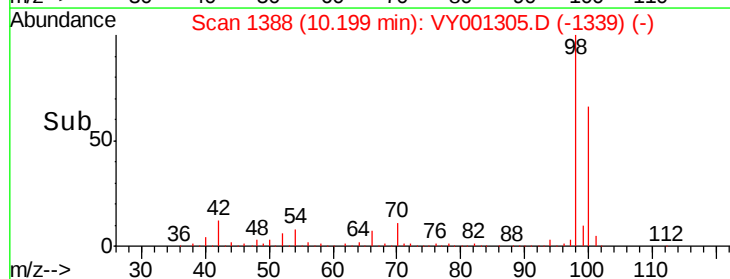
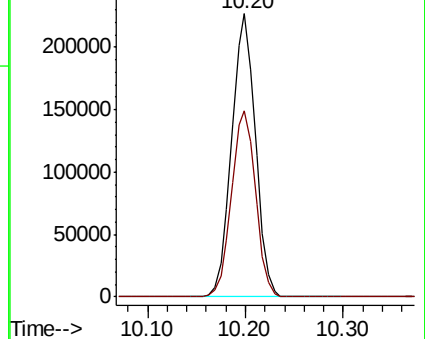
98 100

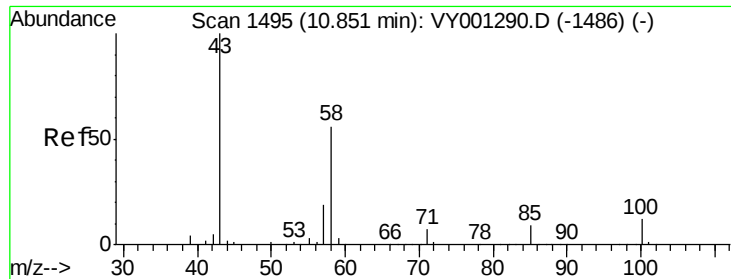
100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#59

2-Hexanone

Concen: 1.534 ug/l

RT: 10.85 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_Y

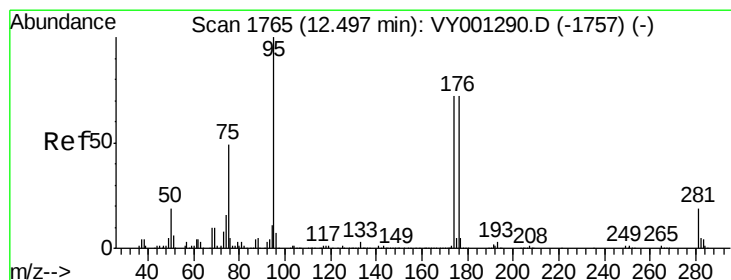
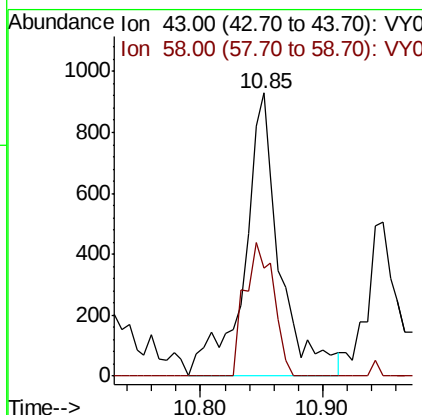
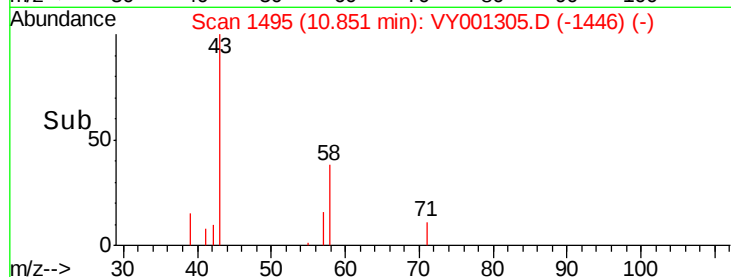
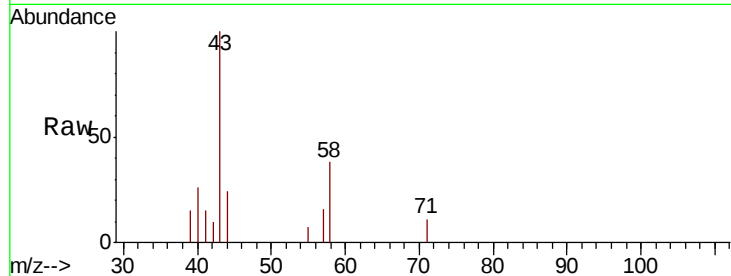
ClientSampleId :

Tot Ion: 43 Resp: 1865

Ion Ratio Lower Upper

43 100

58 38.5 28.4 85.2



#62

4-Bromofluorobenzene

Concen: 38.970 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.01 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

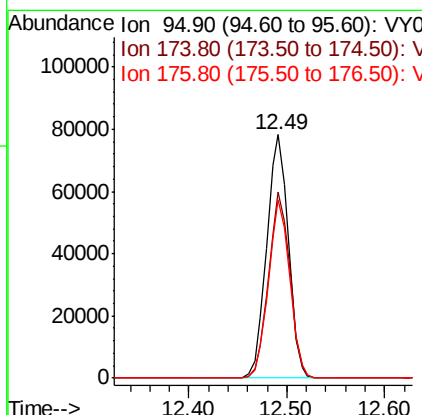
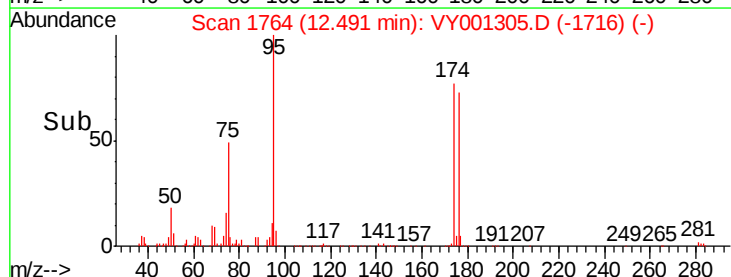
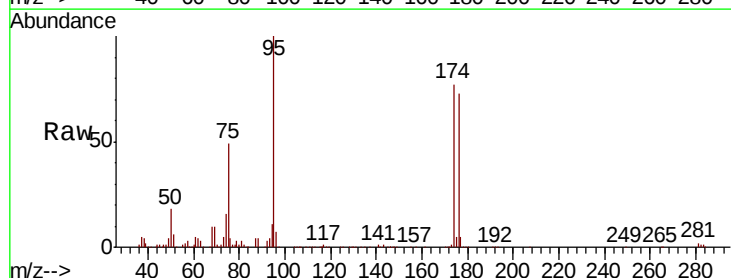
Tgt Ion: 95 Resp: 120146

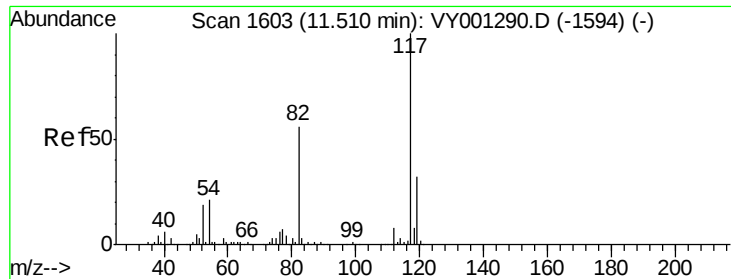
Ion Ratio Lower Upper

95 100

174 75.5 0.0 143.2

176 72.0 0.0 136.0

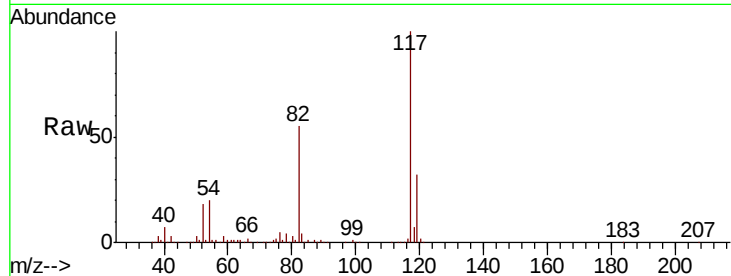




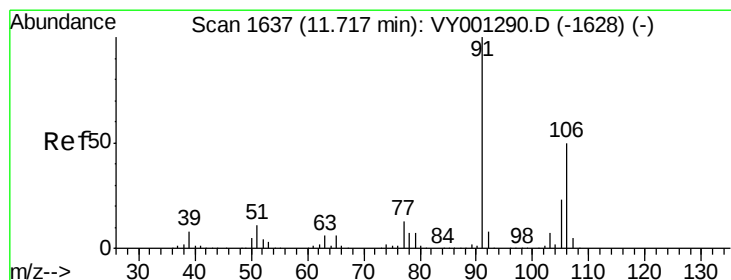
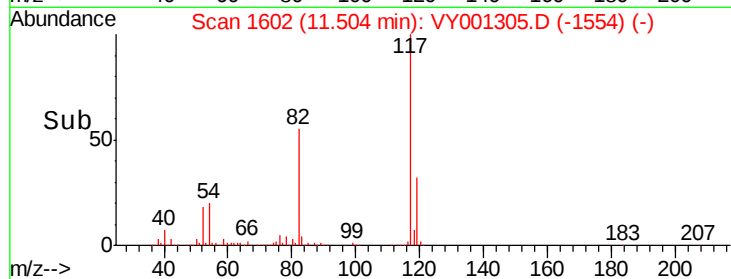
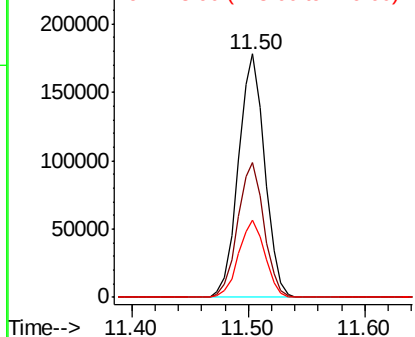
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VY001305.D
Acq: 20 Jan 2020 18:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 280151
Ion Ratio Lower Upper
117 100
82 55.2 44.9 67.3
119 31.5 25.7 38.5

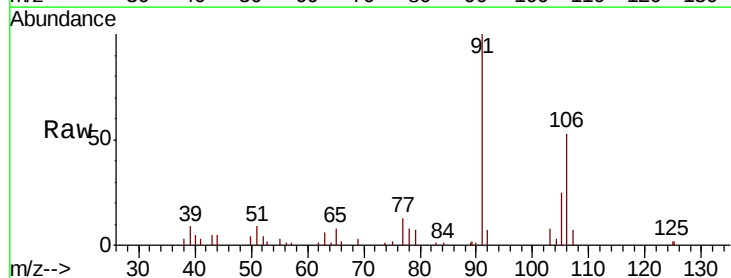


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

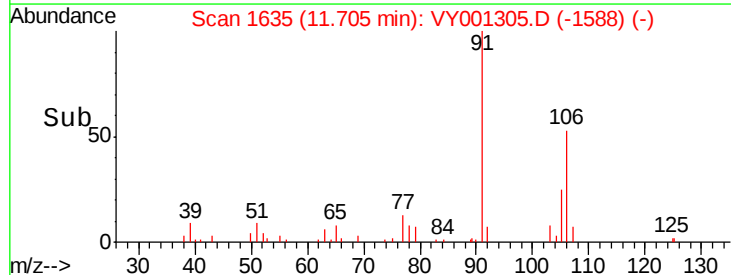
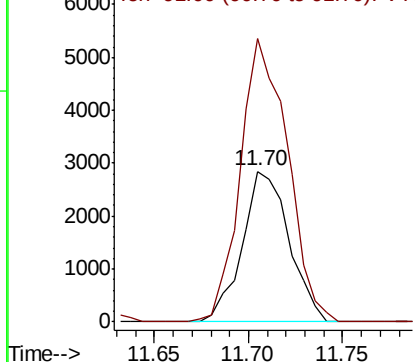


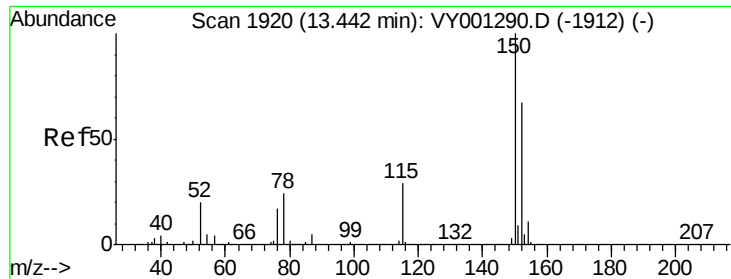
#68
m/p-Xylenes
Concen: 1.266 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001305.D
Acq: 20 Jan 2020 18:51

Tgt Ion:106 Resp: 4890
Ion Ratio Lower Upper
106 100
91 190.3 161.4 242.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

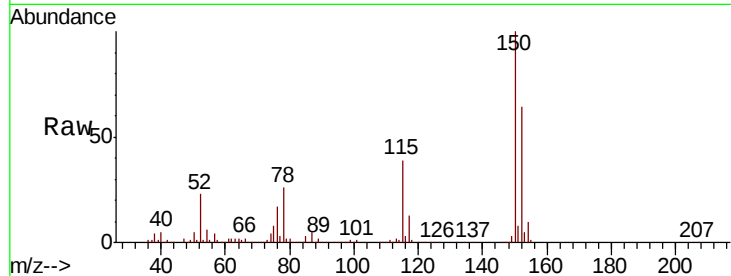
Tot Ion:152 Resp: 94931

Ion Ratio Lower Upper

152 100

115 60.1 30.9 92.5

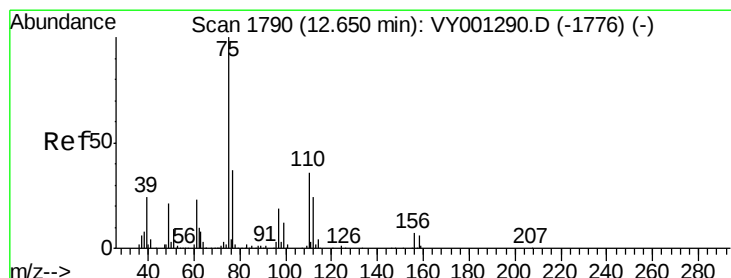
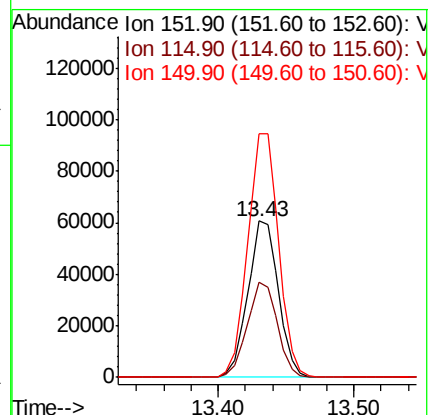
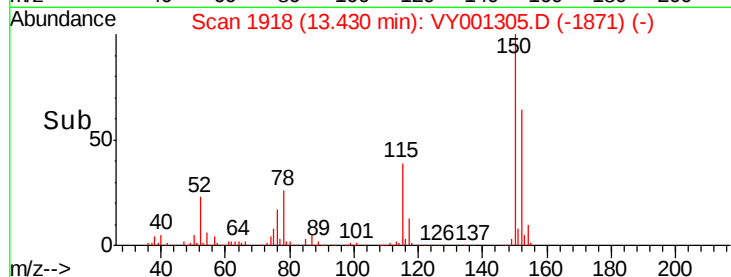
150 158.0 0.0 346.8



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



#76

1,2,3-Trichloropropane

Concen: 57.948 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.16 min

Lab File: VY001305.D

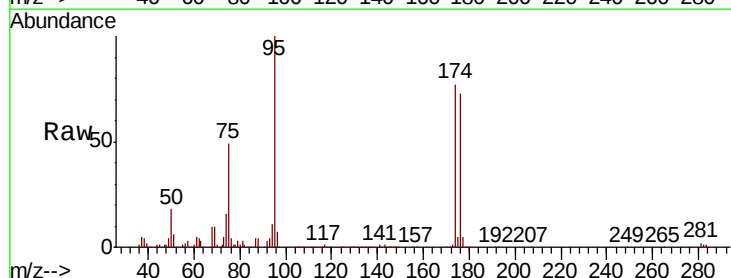
Acq: 20 Jan 2020 18:51

Tgt Ion: 75 Resp: 58889

Ion Ratio Lower Upper

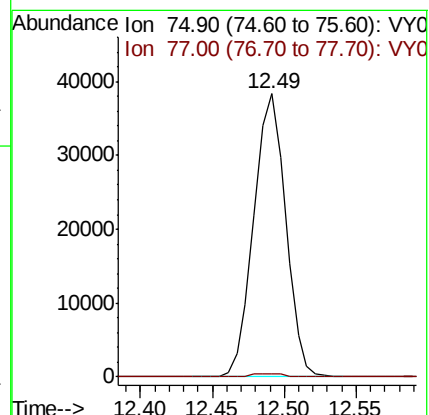
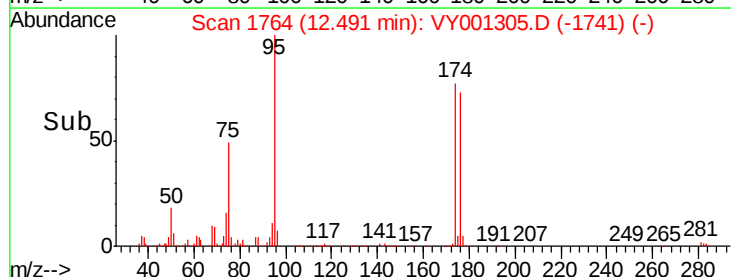
75 100

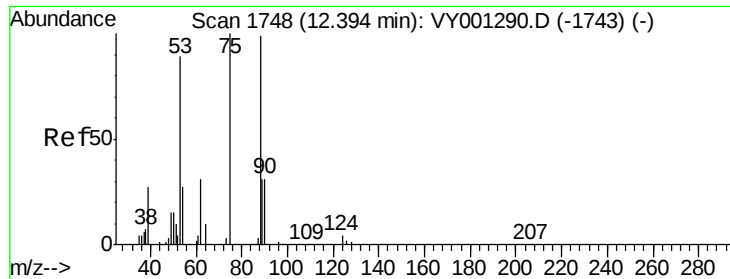
77 1.3 0.0 0.0#



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: 98.267 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

Instrument :

MSVOA_Y

ClientSampleId :

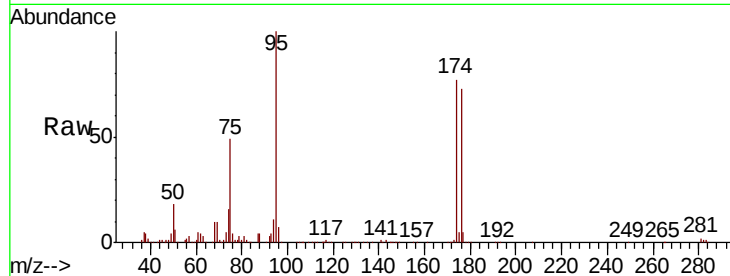
Tot Ion: 75 Resp: 58889

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

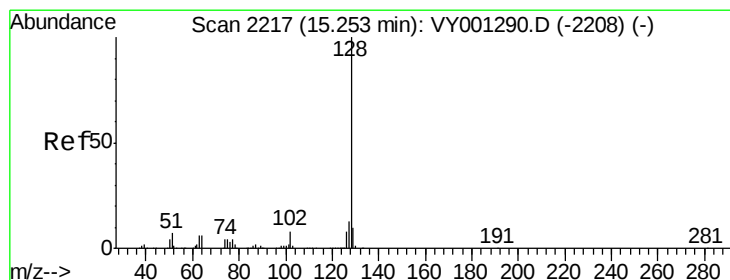
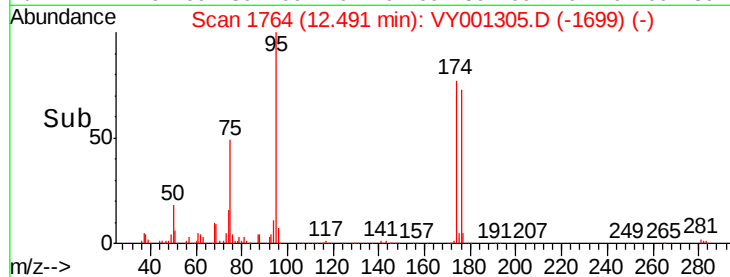
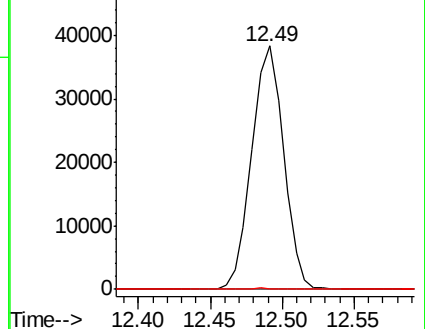
89 0.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY001305.D (-1699) (-)

Ion 53.00 (52.70 to 53.70): VY001305.D (-1699) (-)

Ion 88.90 (88.60 to 89.60): VY001305.D (-1699) (-)



#95

Naphthalene

Concen: 2.954 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. -0.01 min

Lab File: VY001305.D

Acq: 20 Jan 2020 18:51

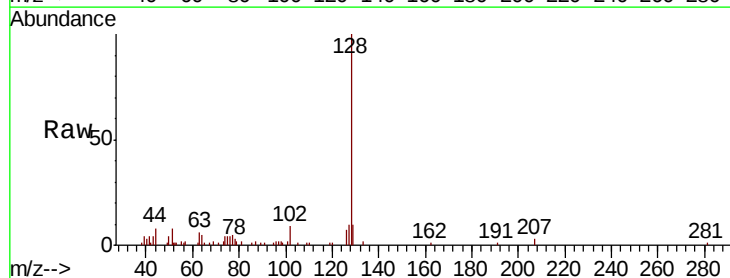
Tgt Ion: 128 Resp: 12558

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

129 12.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): VY001305.D (-2168) (-)

Ion 127.00 (126.70 to 127.70): VY001305.D (-2168) (-)

Ion 129.00 (128.70 to 129.70): VY001305.D (-2168) (-)

