

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001307.D
 Acq On : 20 Jan 2020 19:36
 Operator : SY/MD
 Sample : L1210-04
 Misc : 6.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:04:22 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	7.83	168	181064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	330119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	301989	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	140102	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	106620	55.75	ug/l	0.00
Spiked Amount			Recovery	=	111.50%	
35) Dibromofluoromethane	7.75	113	96052	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.20	98	390259	52.40	ug/l	0.00
Spiked Amount			Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.50	95	144537	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

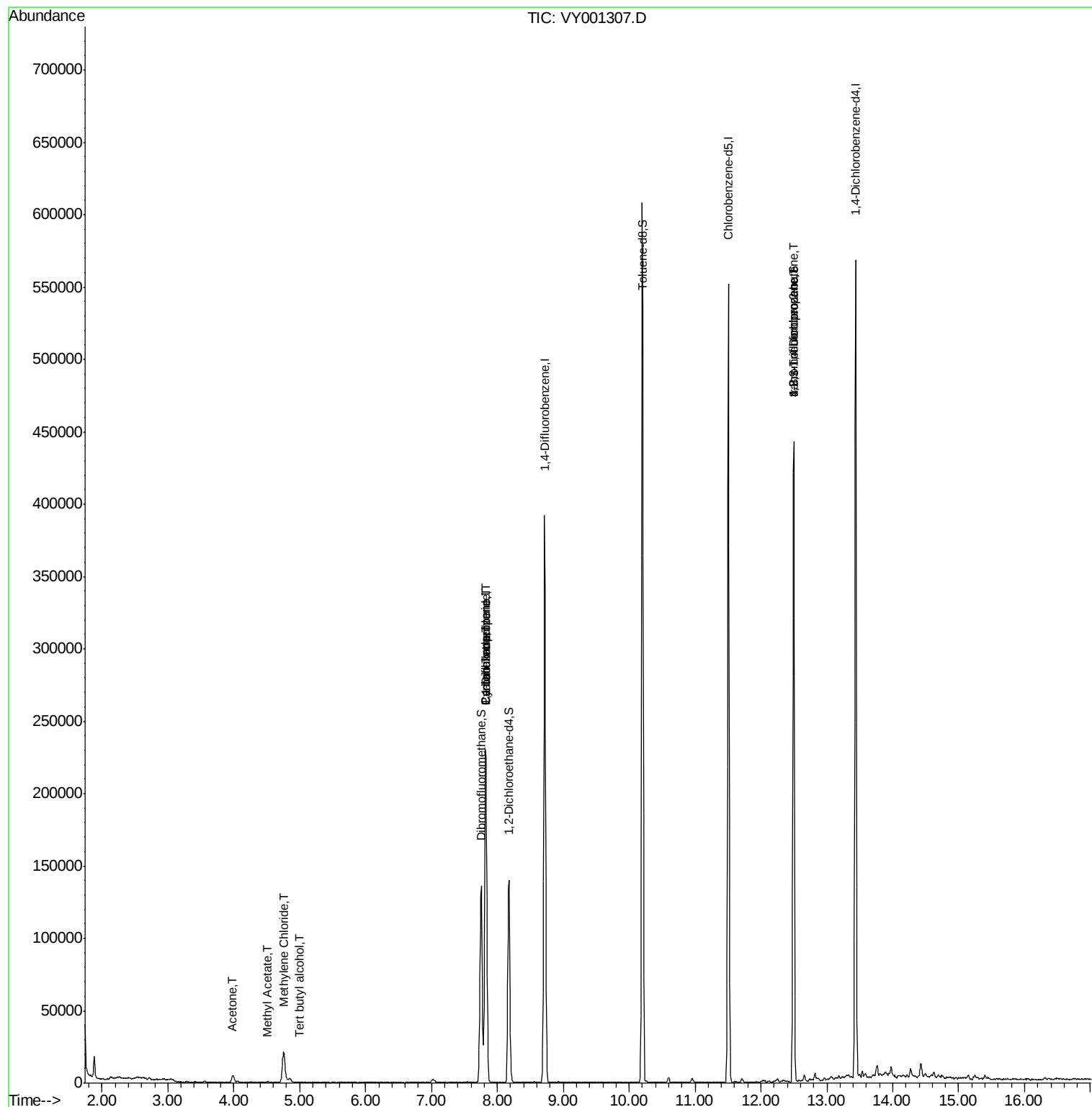
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	482	2.505	ug/l #	73
16) Acetone	3.98	43	8394	18.900	ug/l	92
18) Methyl Acetate	4.51	43	1522	1.037	ug/l #	50
20) Methylene Chloride	4.75	84	15599	2.264	ug/l	97
31) Cyclohexane	7.82	56	3848	1.040	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	14031	4.663	ug/l #	49
38) Carbon Tetrachloride	7.83	117	17788	6.451	ug/l #	15
76) 1,2,3-Trichloropropane	12.50	75	71215	47.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	71215	80.521	ug/l #	6

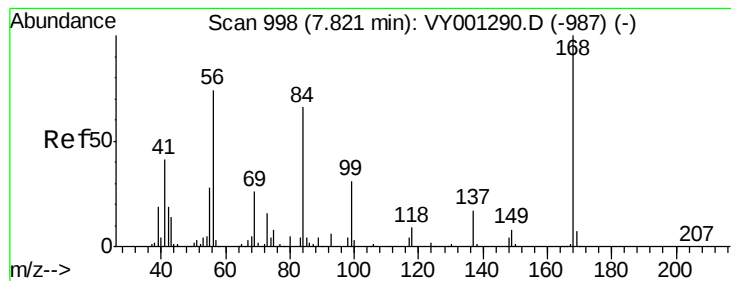
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jan 21 06:54:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

Instrument :

MSVOA_Y

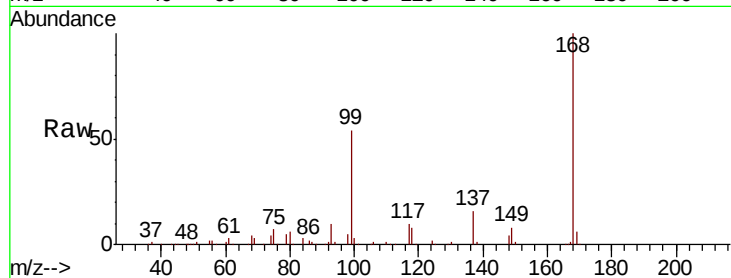
ClientSampleId :

Tot Ion:168 Resp: 181064

Ion Ratio Lower Upper

168 100

99 53.7 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) (-)

7.83

80000

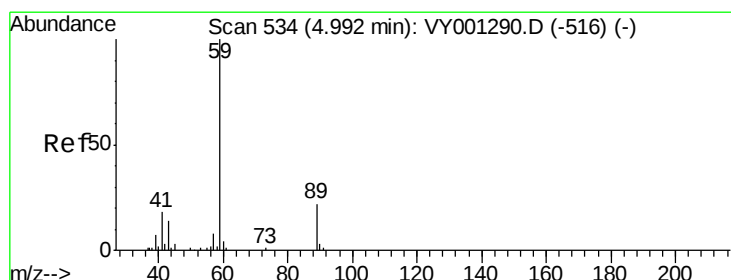
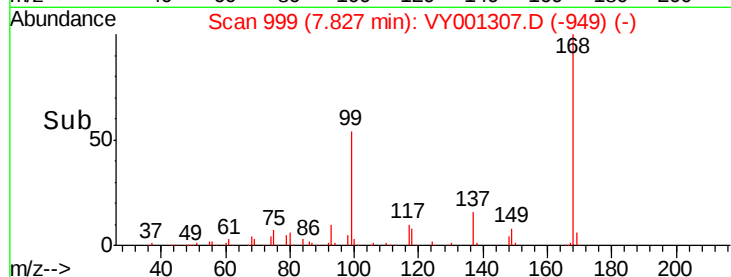
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.505 ug/l

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001307.D

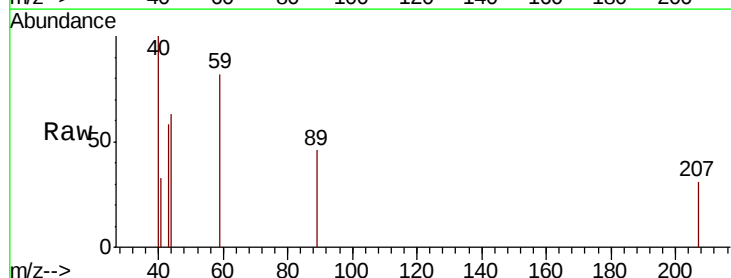
Acq: 20 Jan 2020 19:36

Tgt Ion: 59 Resp: 482

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) (-)

5.00

200

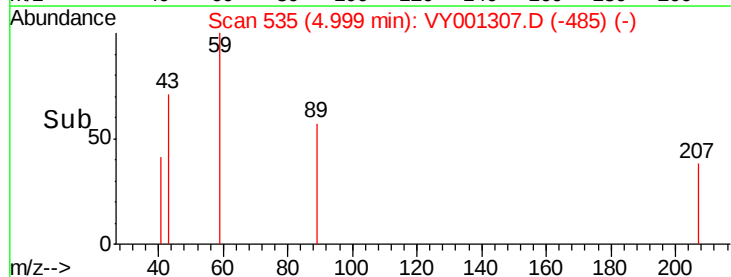
150

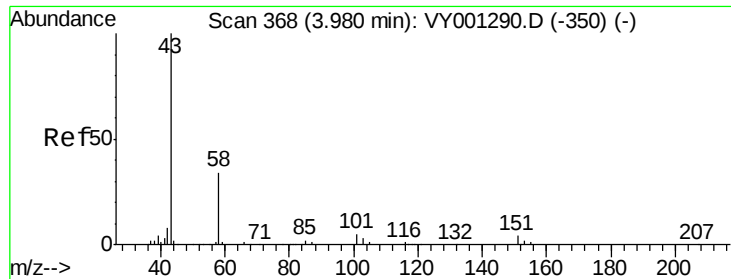
100

50

0

Time-->





#16

Acetone

Concen: 18.900 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.00 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

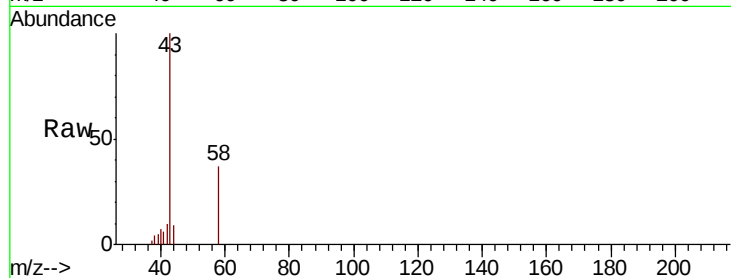
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 8394

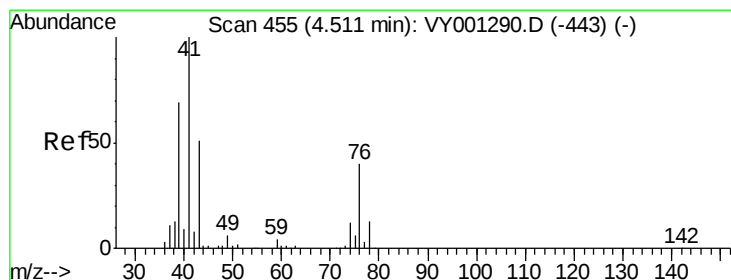
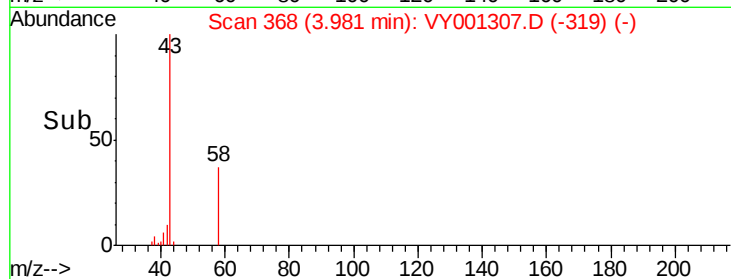
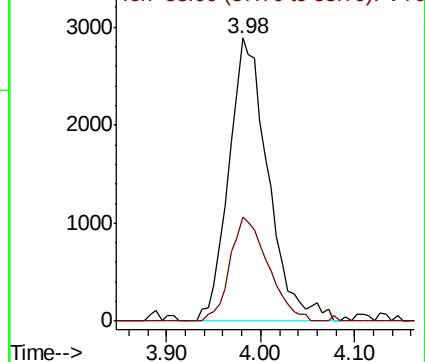
Ion Ratio Lower Upper

43 100

58 36.8 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#18

Methyl Acetate

Concen: 1.037 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001307.D

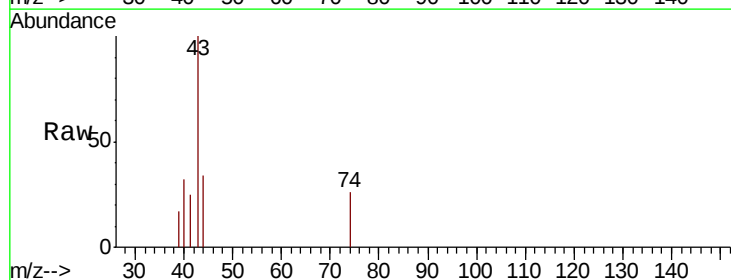
Acq: 20 Jan 2020 19:36

Tgt Ion: 43 Resp: 1522

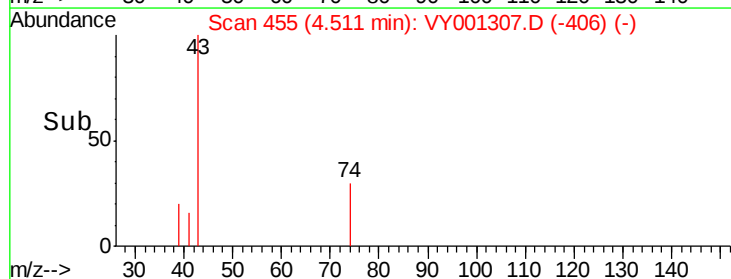
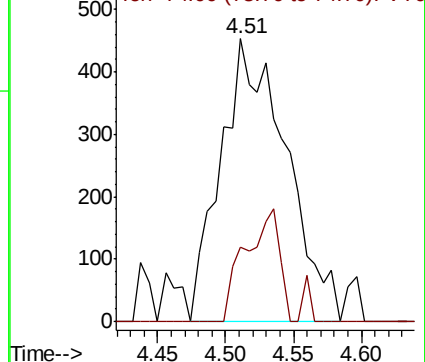
Ion Ratio Lower Upper

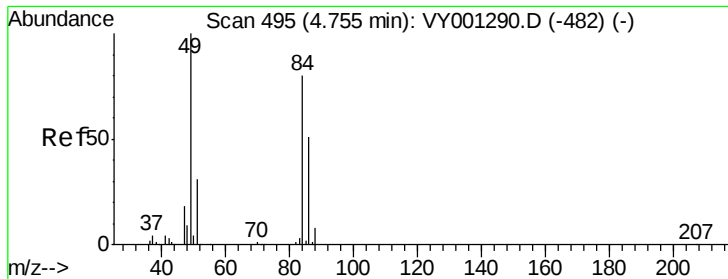
43 100

74 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0





#20

Methvlene Chloride

Concen: 2.264 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.00 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 84 Resp: 15599

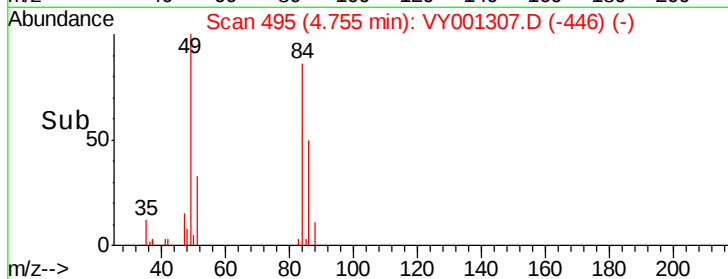
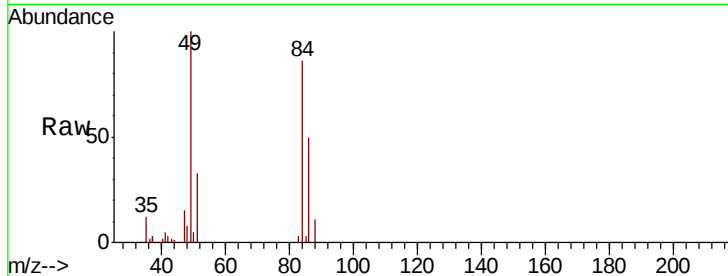
Ion Ratio Lower Upper

84 100

49 116.8 93.8 140.6

51 39.1 29.9 44.9

86 58.7 52.6 78.8

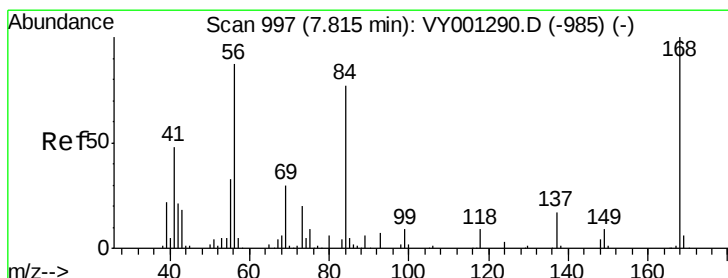
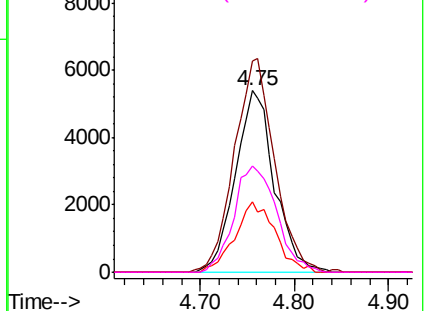


Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



#31

Cyclohexane

Concen: 1.040 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

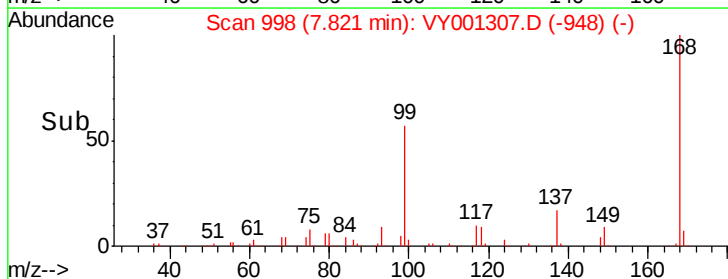
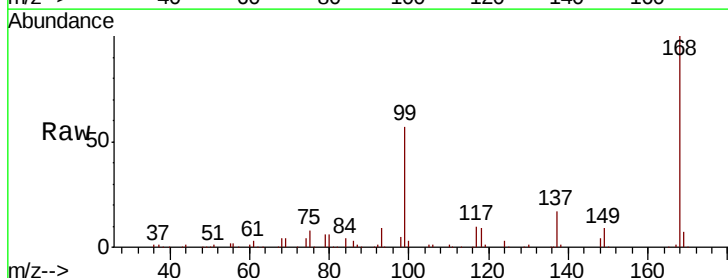
Tgt Ion: 56 Resp: 3848

Ion Ratio Lower Upper

56 100

69 176.4 27.8 41.8#

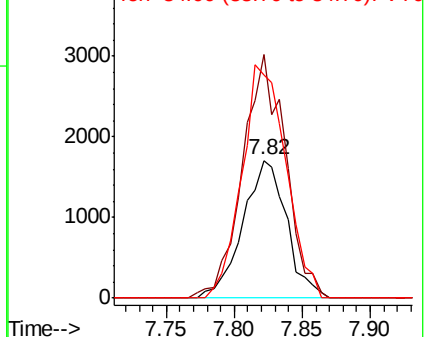
84 162.1 68.9 103.3#

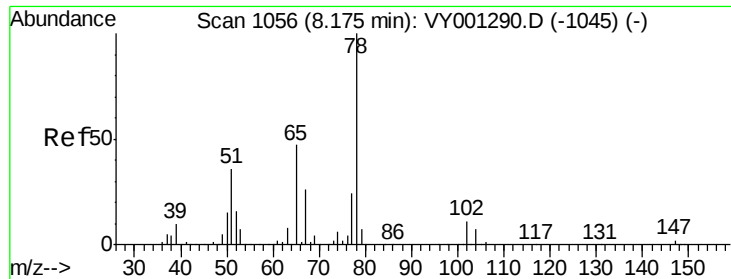


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

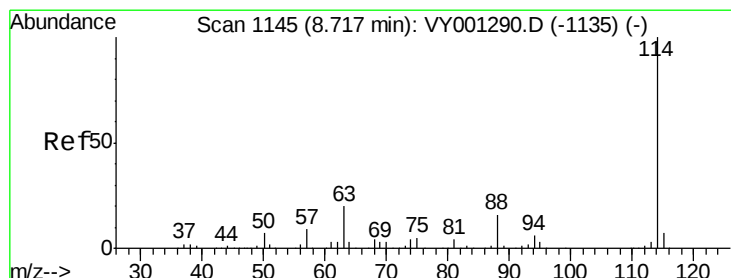
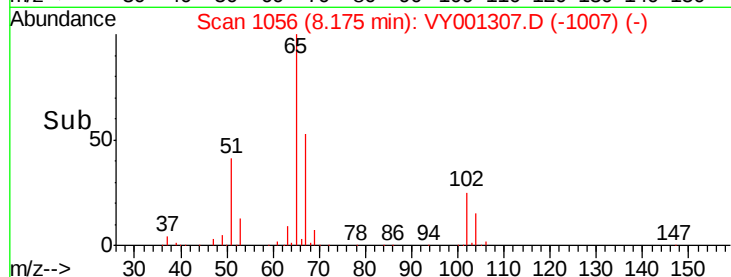
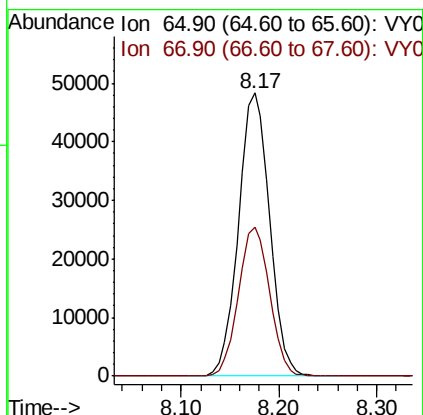
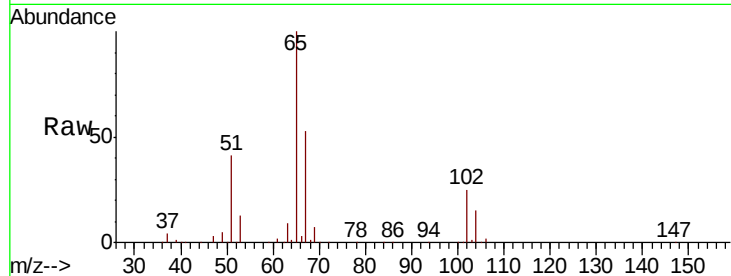




#33
 1,2-Dichloroethane-d4
 Concen: 55.753 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VY001307.D
 Acq: 20 Jan 2020 19:36

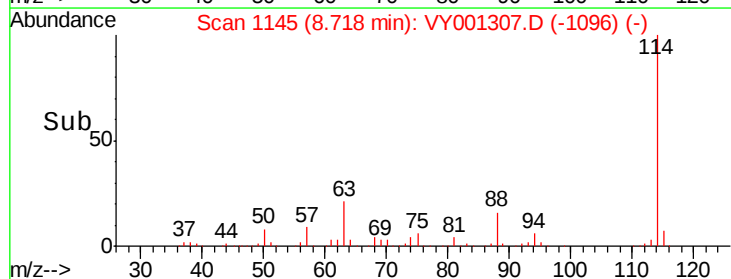
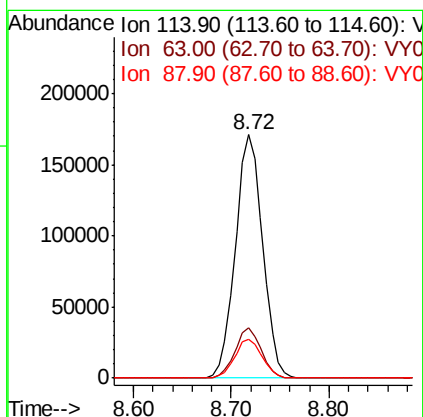
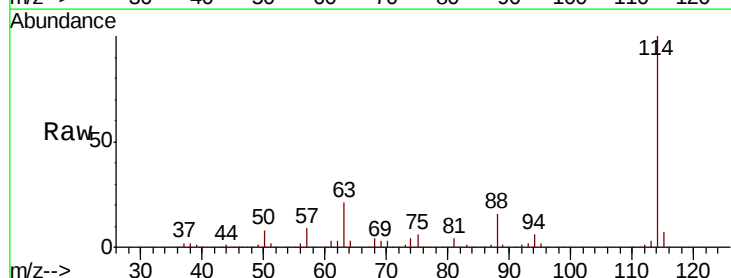
Instrument :
 MSVOA_Y
 ClientSampleId :

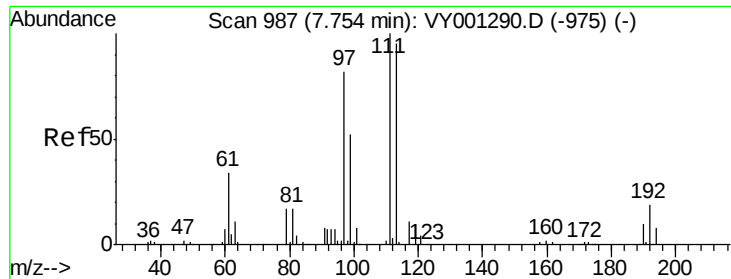
Tot Ion: 65 Resp: 106620
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: VY001307.D
 Acq: 20 Jan 2020 19:36

Tgt Ion: 114 Resp: 330119
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.8
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.695 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.00 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

Instrument :
MSVOA_Y
ClientSampled :

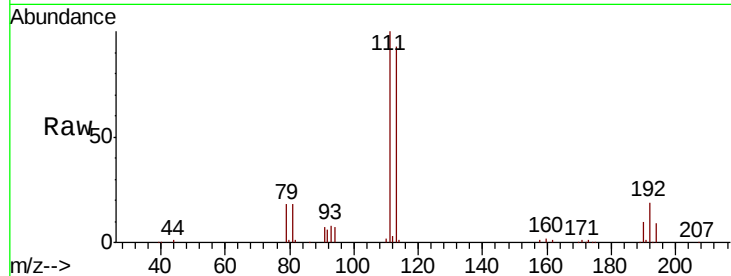
Tot Ion:113 Resp: 96052

Ion Ratio Lower Upper

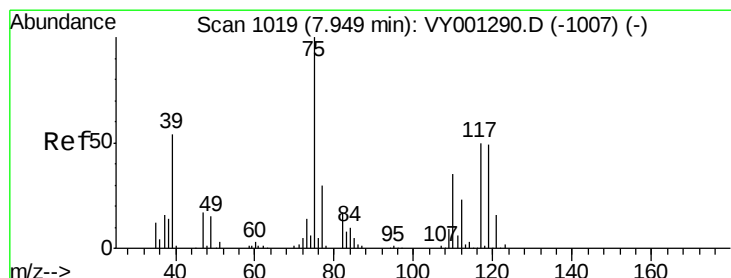
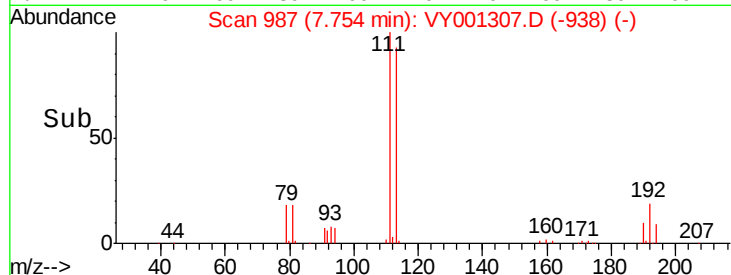
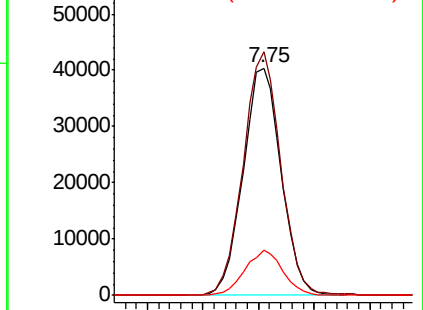
113 100

111 105.4 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: 4.663 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.13 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

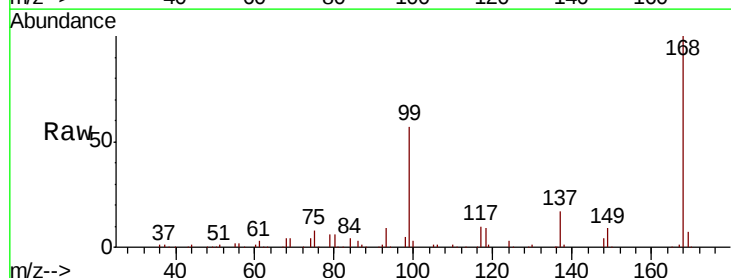
Tgt Ion: 75 Resp: 14031

Ion Ratio Lower Upper

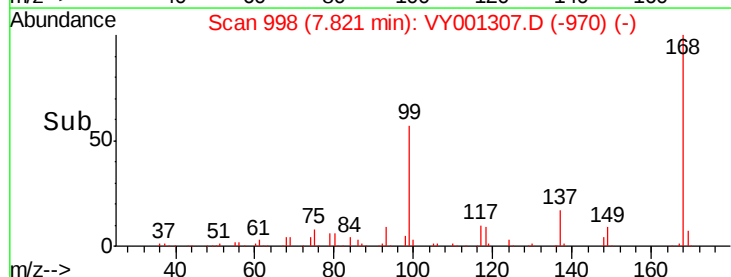
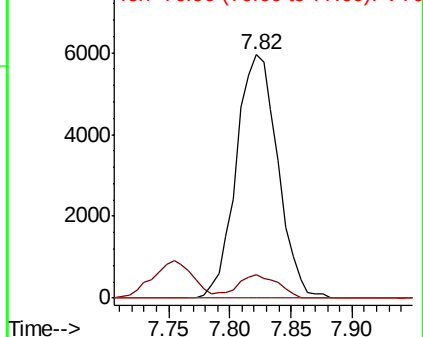
75 100

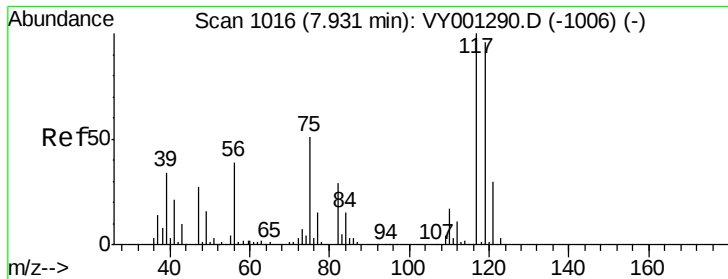
110 9.1 18.3 54.8#

77 0.0 25.1 37.7#



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

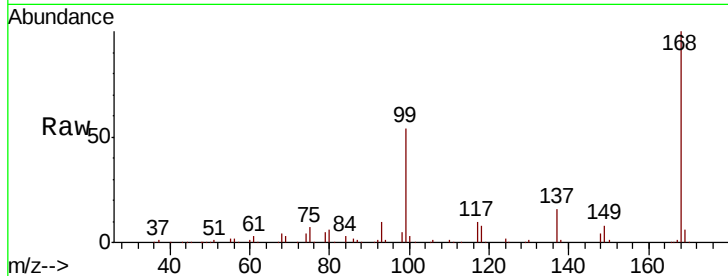




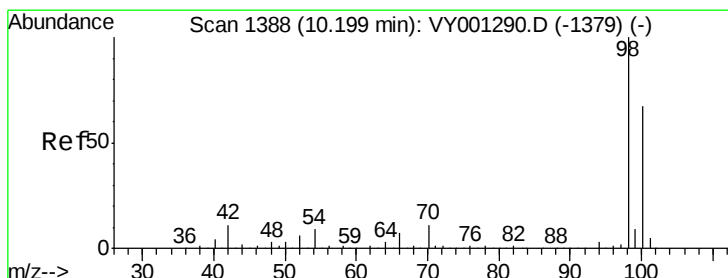
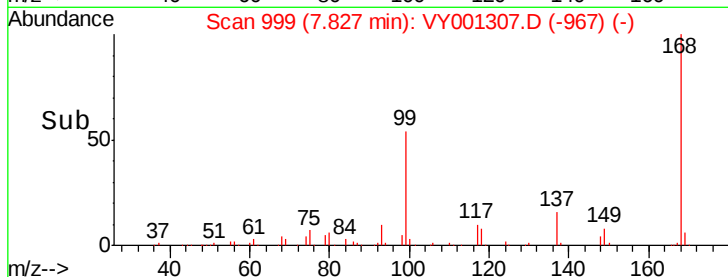
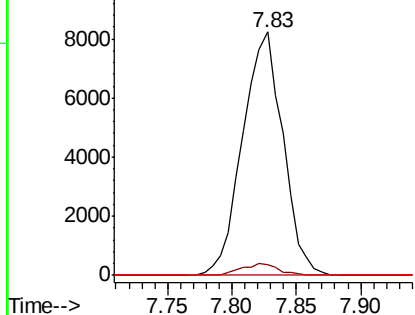
#38
Carbon Tetrachloride
Concen: 6.451 ug/l
RT: 7.83 min Scan# 999
Delta R.T. -0.10 min
Lab File: VY001307.D
Acq: 20 Jan 2020 19:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 17788
Ion Ratio Lower Upper
117 100
119 4.6 78.3 117.5#
121 0.0 23.5 35.3#

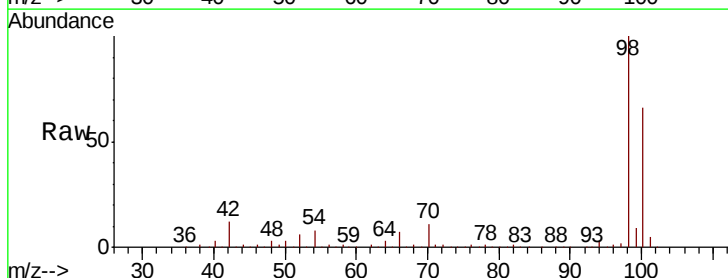


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

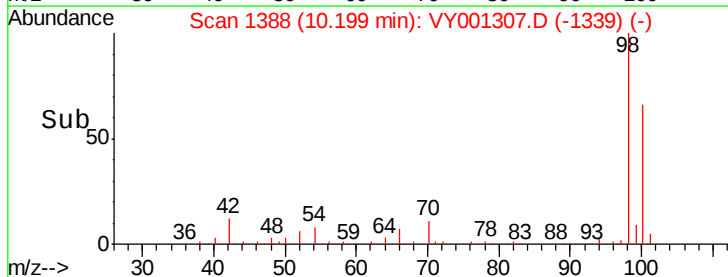
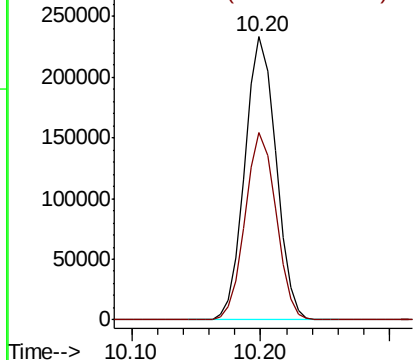


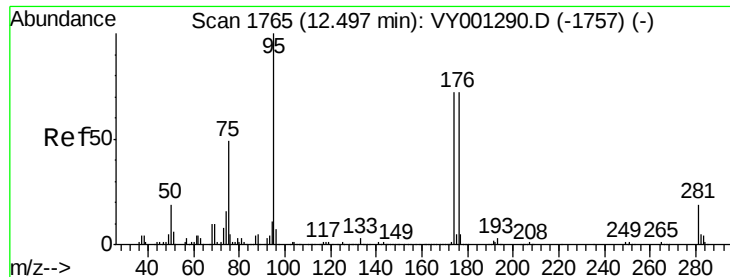
#50
Toluene-d8
Concen: 52.401 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VY001307.D
Acq: 20 Jan 2020 19:36

Tgt Ion: 98 Resp: 390259
Ion Ratio Lower Upper
98 100
100 65.7 53.1 79.7



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

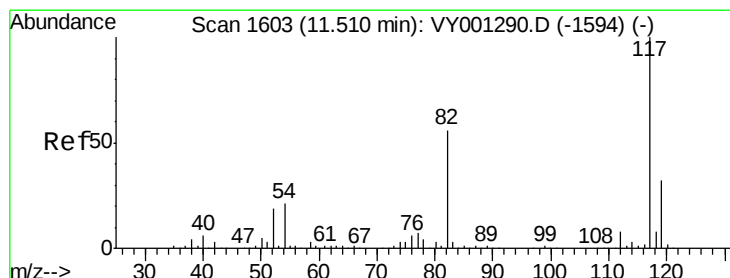
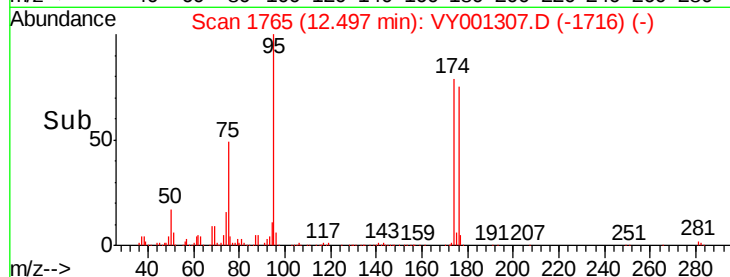
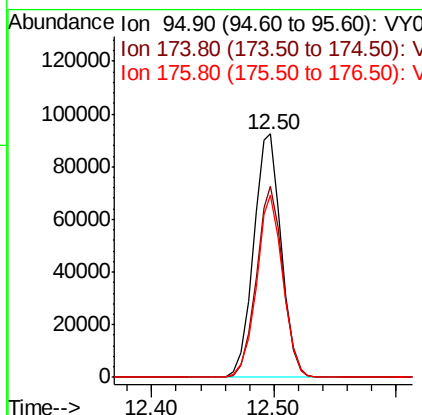
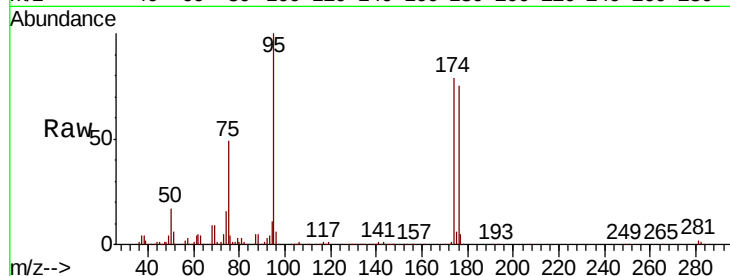




#62
4-Bromofluorobenzene
Concen: 47.470 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VY001307.D
Acq: 20 Jan 2020 19:36

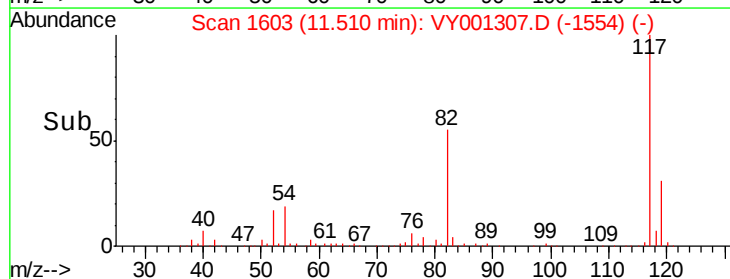
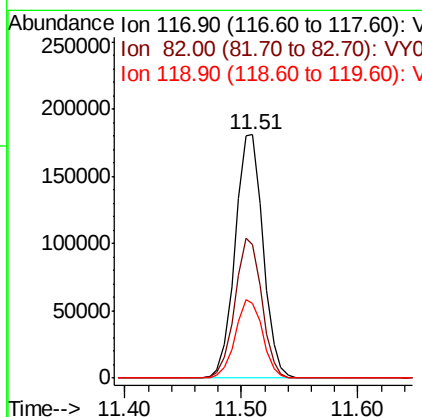
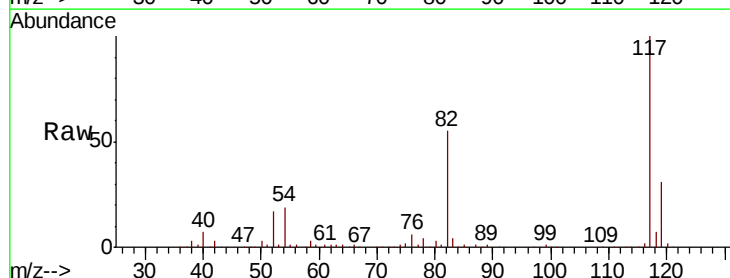
Instrument :
MSVOA_Y
ClientSampleId :

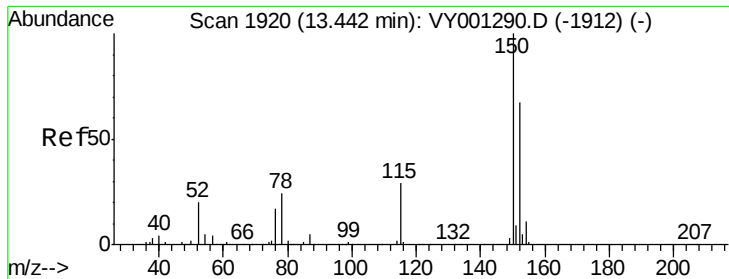
Tot Ion: 95 Resp: 144537
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.2
176 71.6 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001307.D
Acq: 20 Jan 2020 19:36

Tgt Ion: 117 Resp: 301989
Ion Ratio Lower Upper
117 100
82 54.6 44.9 67.3
119 30.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

Instrument :

MSVOA_Y

ClientSampleId :

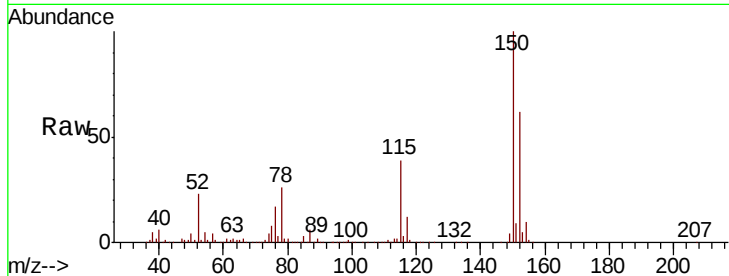
Tot Ion:152 Resp: 140102

Ion Ratio Lower Upper

152 100

115 60.5 30.9 92.5

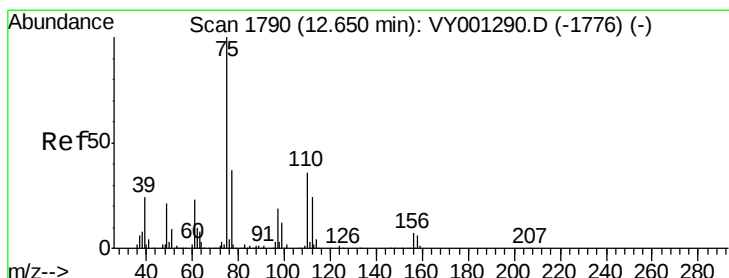
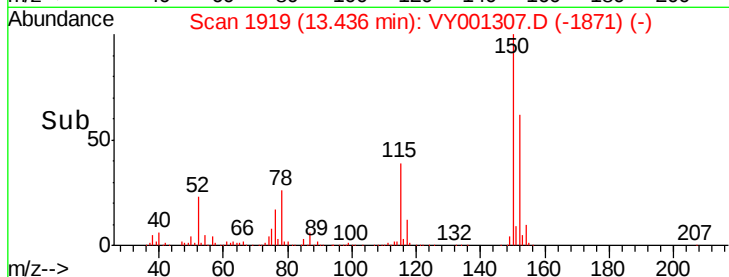
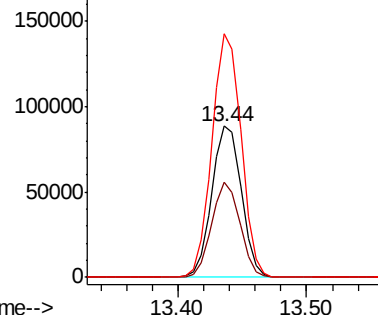
150 158.6 0.0 346.8



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: 47.483 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001307.D

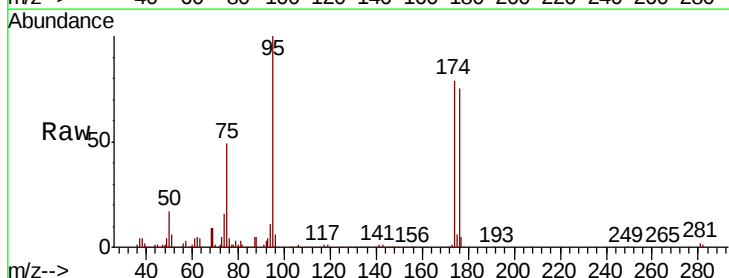
Acq: 20 Jan 2020 19:36

Tgt Ion: 75 Resp: 71215

Ion Ratio Lower Upper

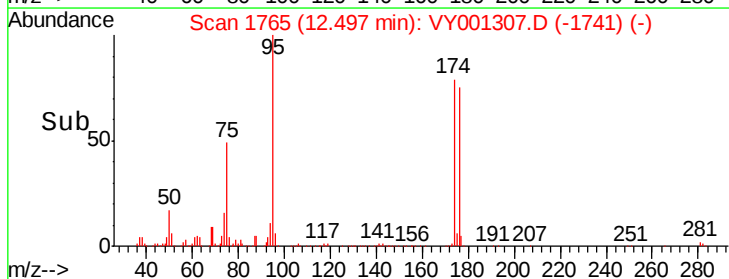
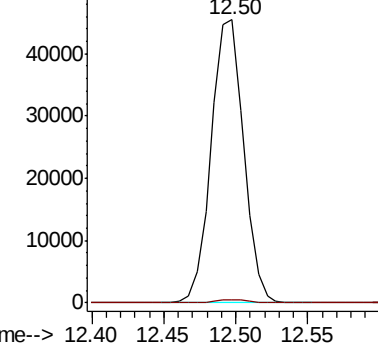
75 100

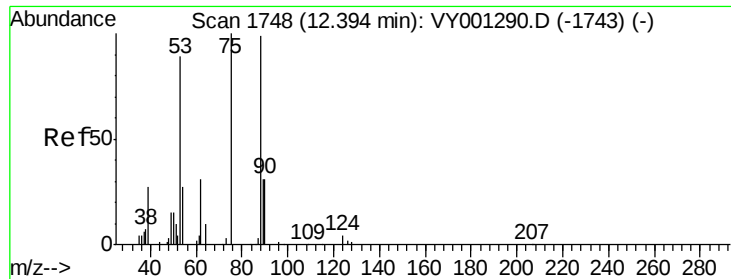
77 1.2 0.0 0.0#



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: 80.521 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.10 min

Lab File: VY001307.D

Acq: 20 Jan 2020 19:36

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 71215

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 0.0 0.0#

