

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001303.D
 Acq On : 20 Jan 2020 18:07
 Operator : SY/MD
 Sample : L1164-05
 Misc : 6.79G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:03:38 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	187140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	342941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	314411	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	146244	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	110262	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	7.75	113	103276	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	10.19	98	410104	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
62) 4-Bromofluorobenzene	12.49	95	149357	47.22	ug/l	-0.01
Spiked Amount			Recovery	=	94.44%	

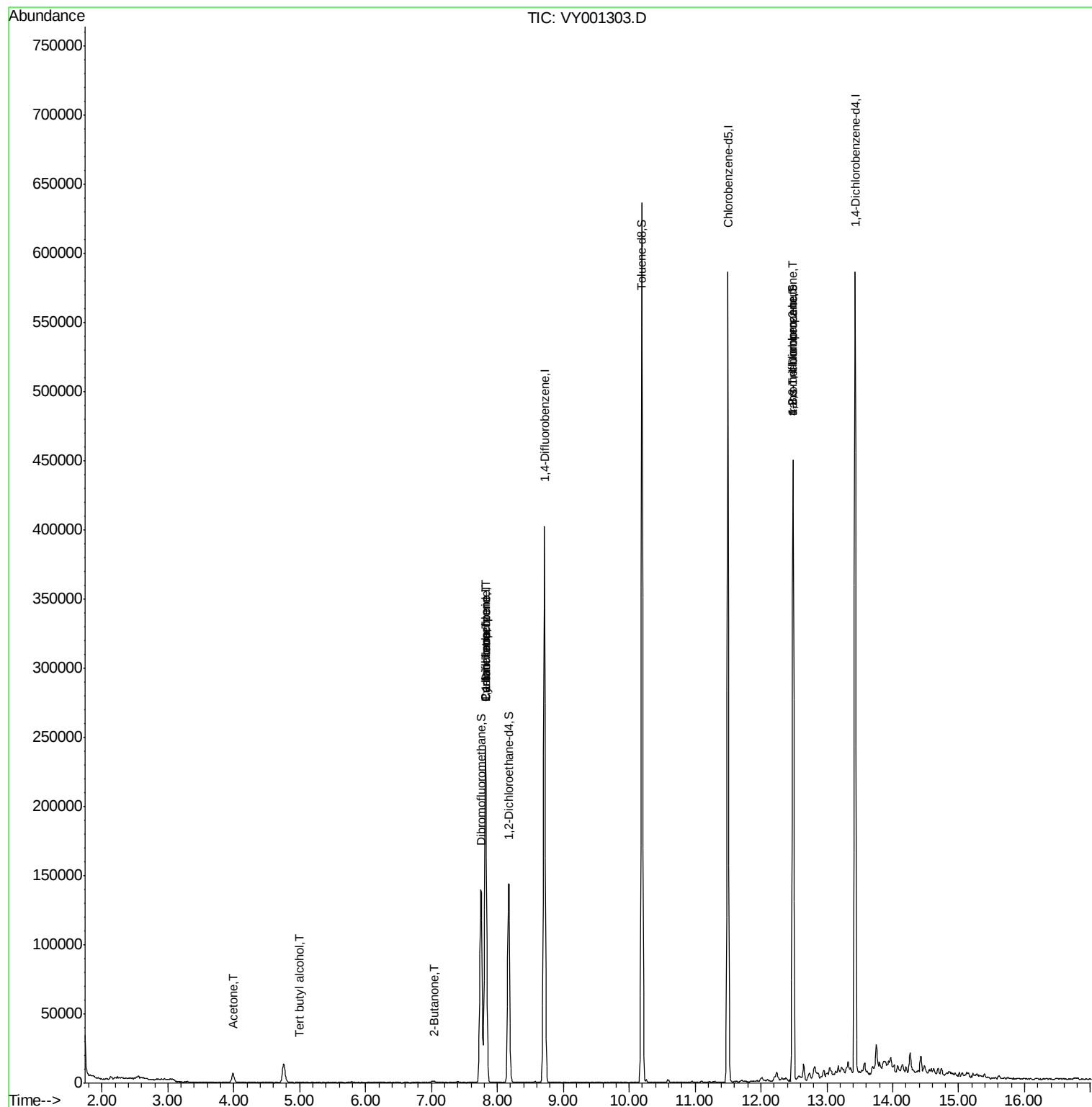
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	264	1.328	ug/l #	73
16) Acetone	3.99	43	10978	23.916	ug/l	99
20) Methylene Chloride	4.76	84	10330	Below Cal		94
25) 2-Butanone	7.05	43	1083	1.516	ug/l #	71
31) Cyclohexane	7.82	56	3928	1.028	ug/l #	9
36) 1,1-Dichloropropene	7.82	75	14866	4.756	ug/l #	48
38) Carbon Tetrachloride	7.82	117	18490	6.455	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	75057	47.943	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	75057	81.300	ug/l #	6

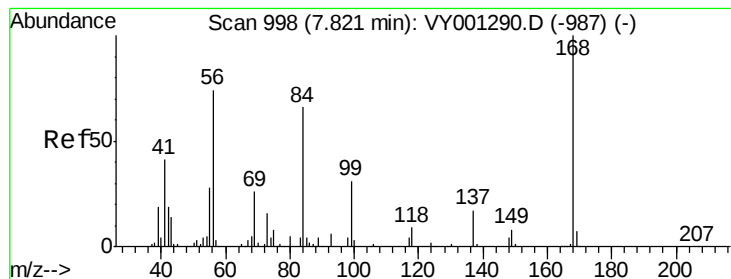
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.82 min Scan# 998

Delta R.T. 0.00 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

Instrument :

MSVOA_Y

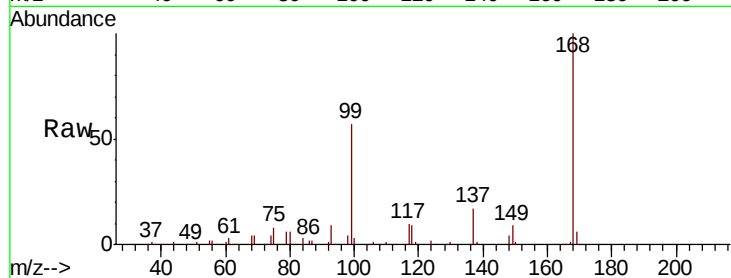
ClientSampleId :

Tot Ion:168 Resp: 187140

Ion Ratio Lower Upper

168 100

99 57.1 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) (-)

7.82

80000

60000

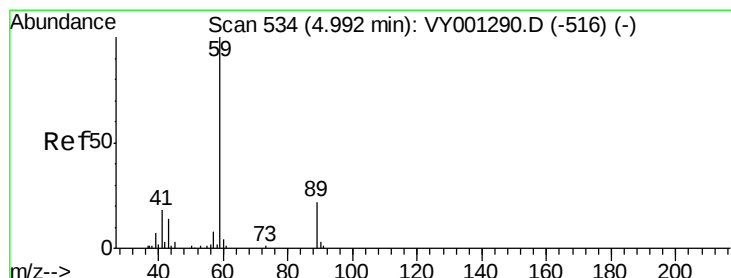
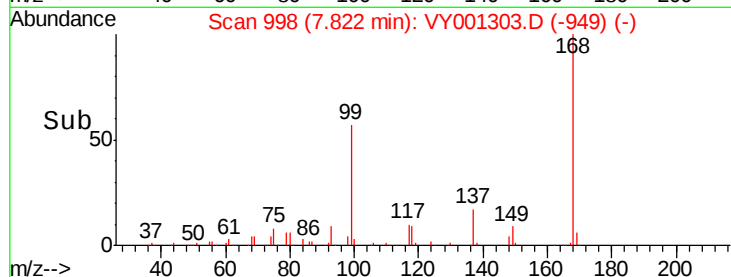
40000

20000

0

Time-->

7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: 1.328 ug/l

RT: 5.00 min Scan# 536

Delta R.T. 0.01 min

Lab File: VY001303.D

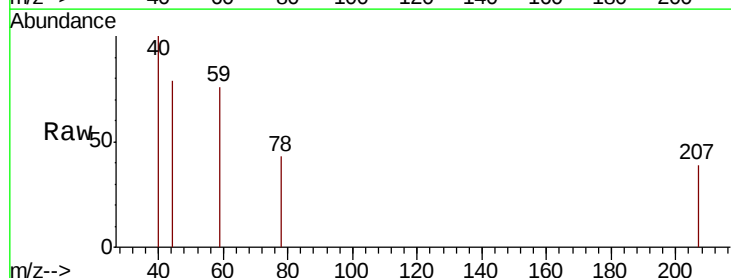
Acq: 20 Jan 2020 18:07

Tgt Ion: 59 Resp: 264

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

150

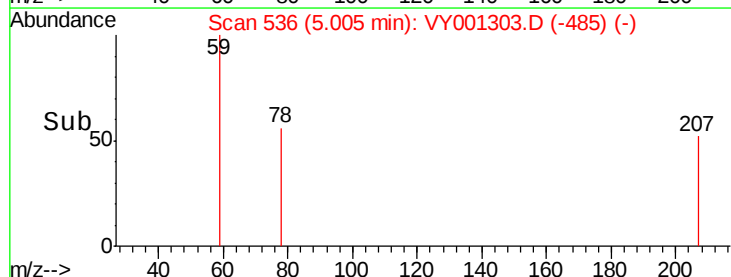
100

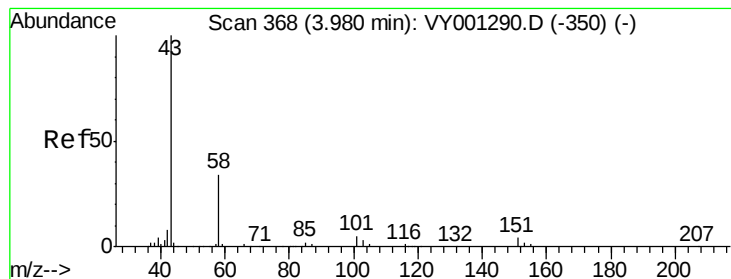
50

0

Time-->

5.00 5.05





#16

Acetone

Concen: 23.916 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

Instrument :

MSVOA_Y

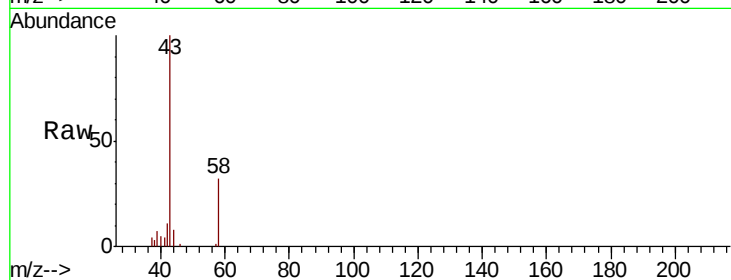
ClientSampleId :

Tot Ion: 43 Resp: 10978

Ion Ratio Lower Upper

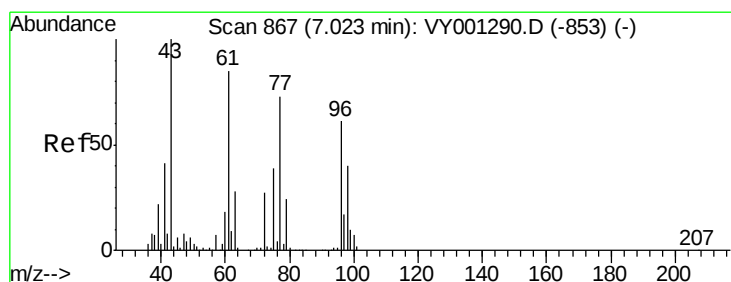
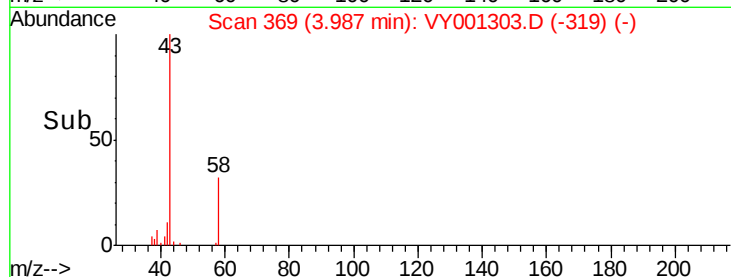
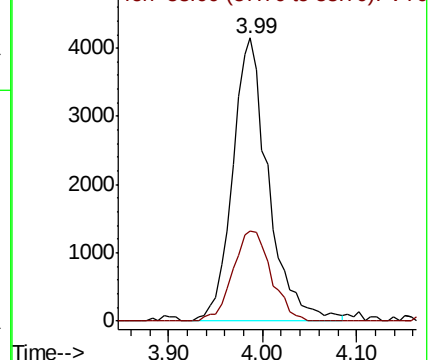
43 100

58 31.9 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: 1.516 ug/l

RT: 7.05 min Scan# 871

Delta R.T. 0.02 min

Lab File: VY001303.D

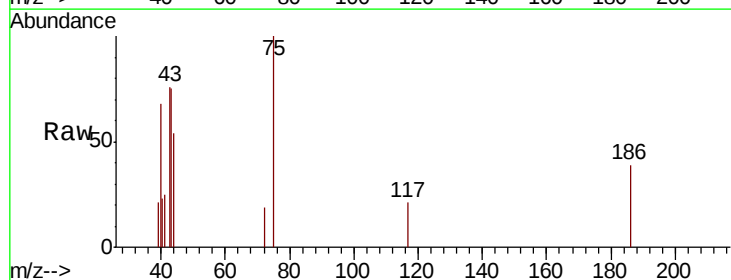
Acq: 20 Jan 2020 18:07

Tgt Ion: 43 Resp: 1083

Ion Ratio Lower Upper

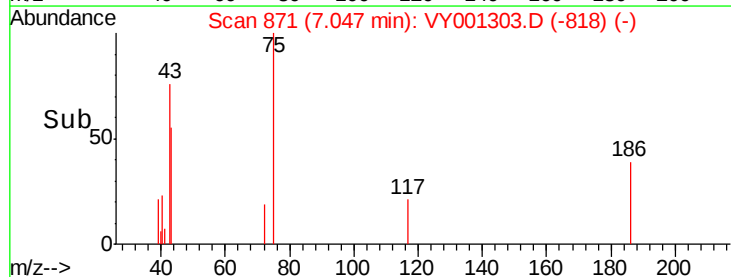
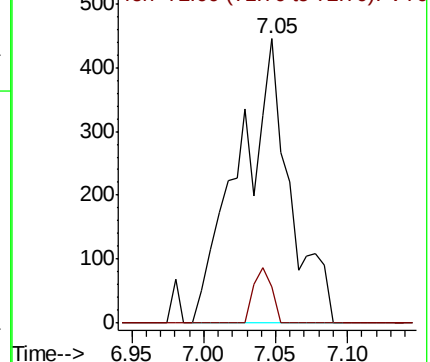
43 100

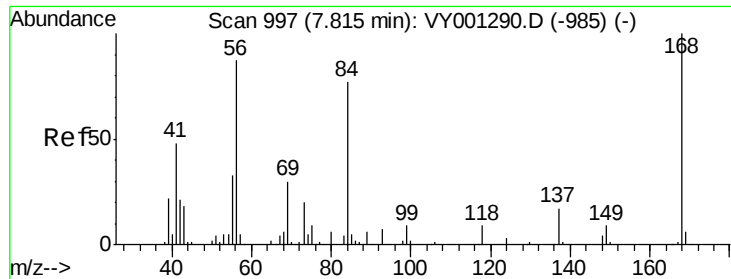
72 12.3 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

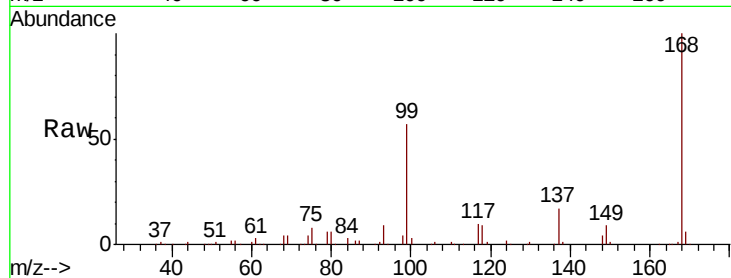




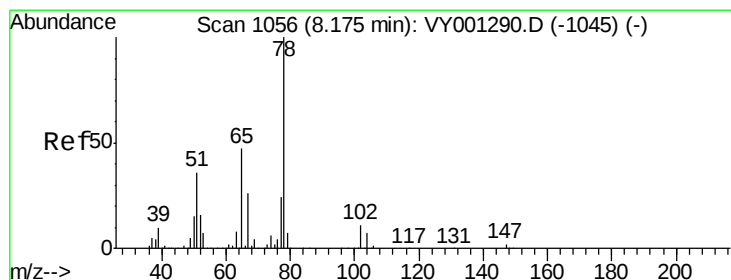
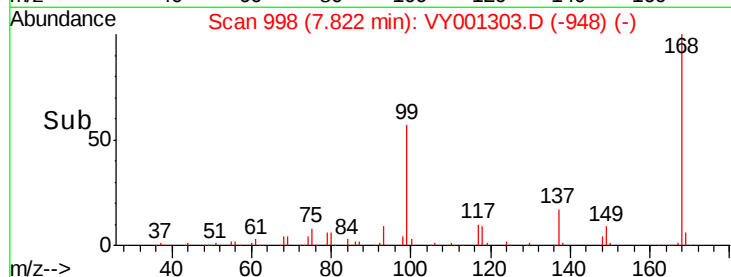
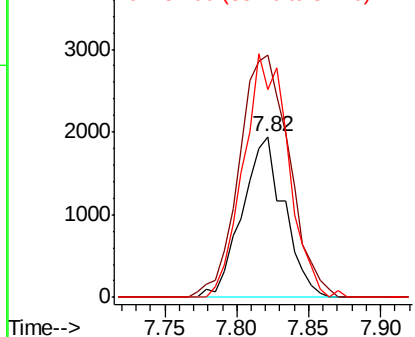
#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001303.D
Acq: 20 Jan 2020 18:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 3928
Ion Ratio Lower Upper
56 100
69 151.0 27.8 41.8#
84 129.0 68.9 103.3#

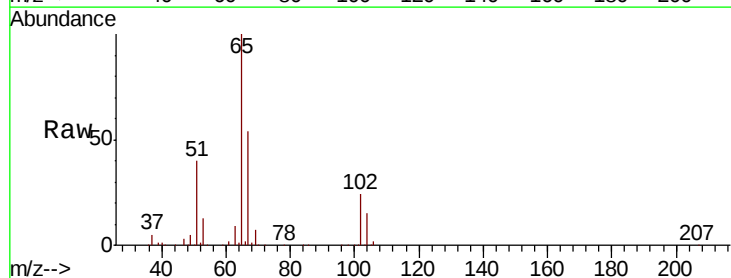


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

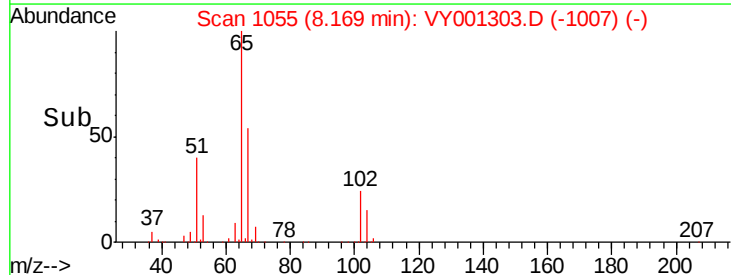
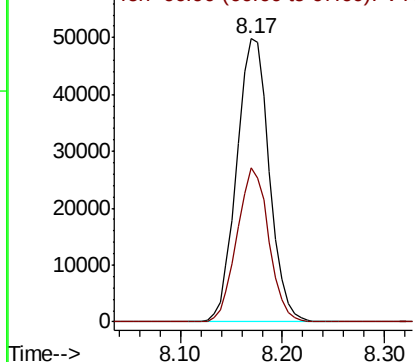


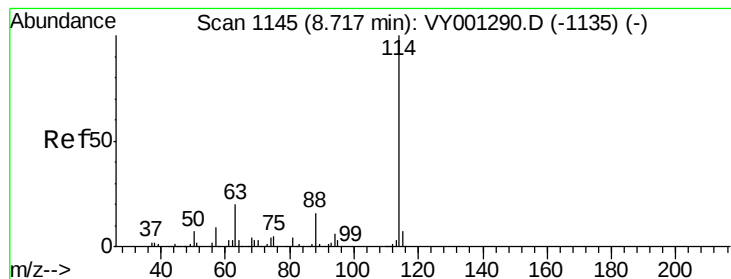
#33
1,2-Dichloroethane-d4
Concen: 55.786 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY001303.D
Acq: 20 Jan 2020 18:07

Tgt Ion: 65 Resp: 110262
Ion Ratio Lower Upper
65 100
67 53.1 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: 8.71 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

Instrument :

MSVOA_Y

ClientSampleId :

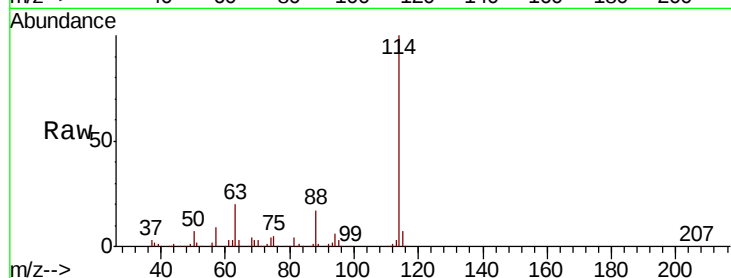
Tot Ion:114 Resp: 342941

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

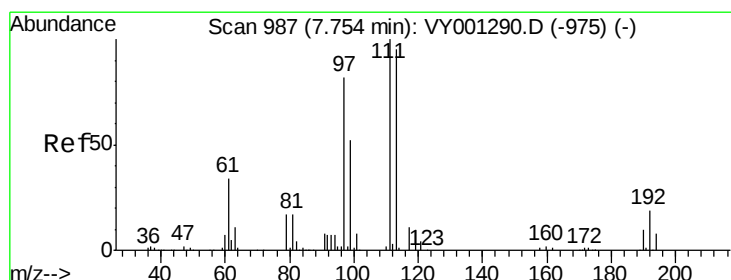
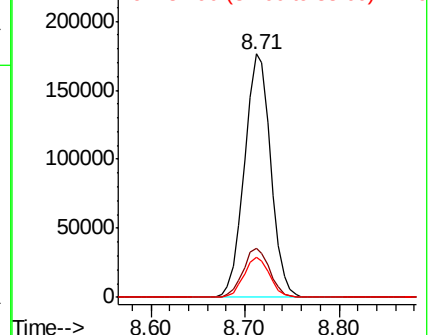
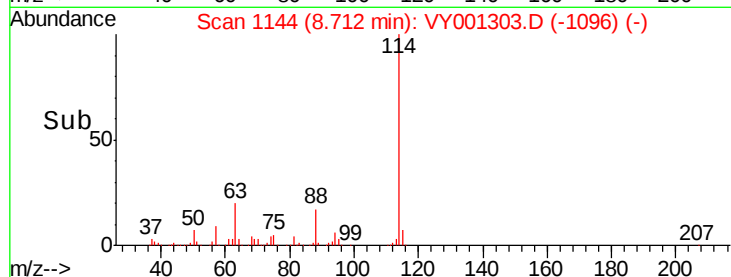
88 16.5 0.0 32.4



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: 51.434 ug/l

RT: 7.75 min Scan# 986

Delta R.T. -0.01 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

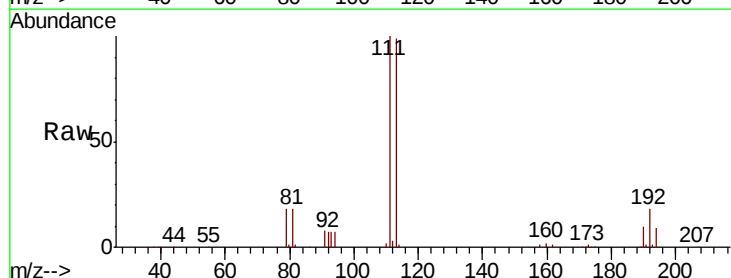
Tgt Ion:113 Resp: 103276

Ion Ratio Lower Upper

113 100

111 100.6 82.9 124.3

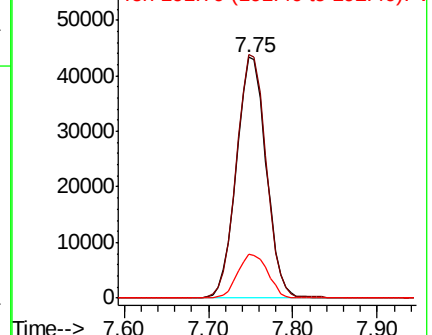
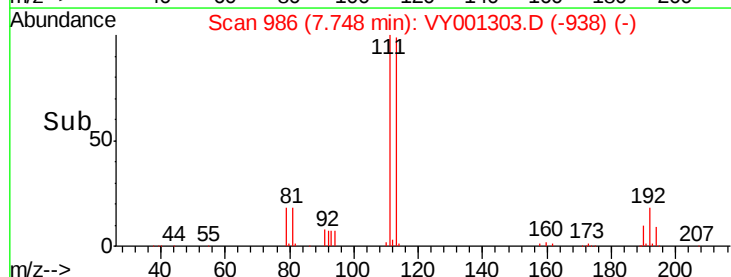
192 18.6 15.4 23.2

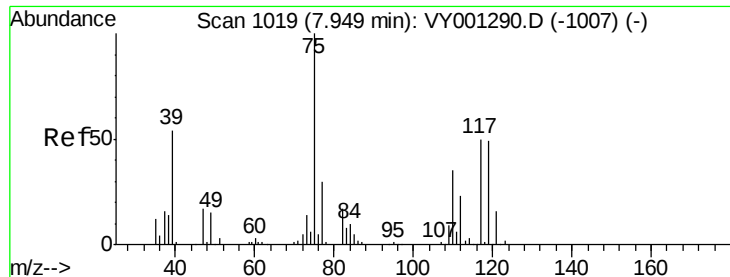


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

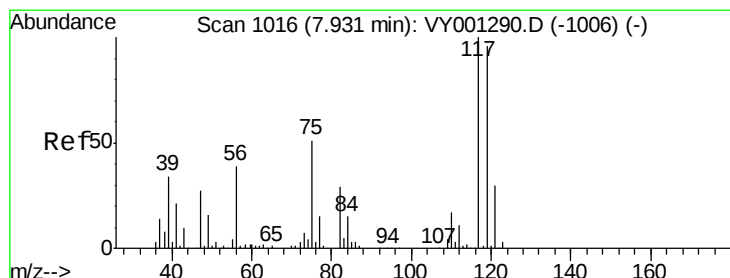
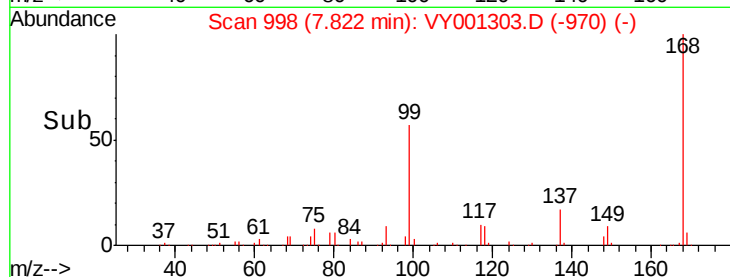
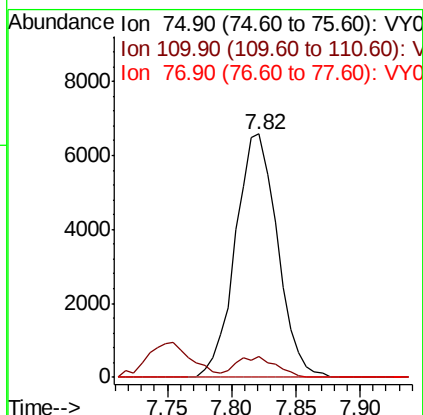
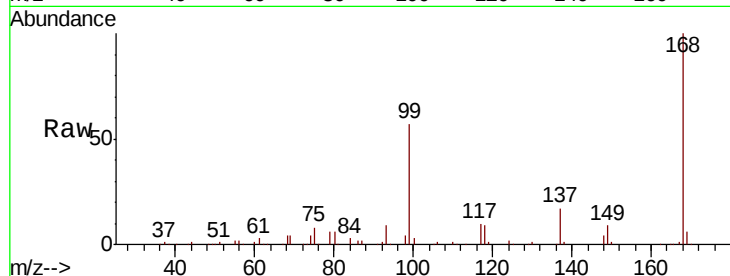




#36
 1,1-Dichloropropene
 Concen: 4.756 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.13 min
 Lab File: VY001303.D
 Acq: 20 Jan 2020 18:07

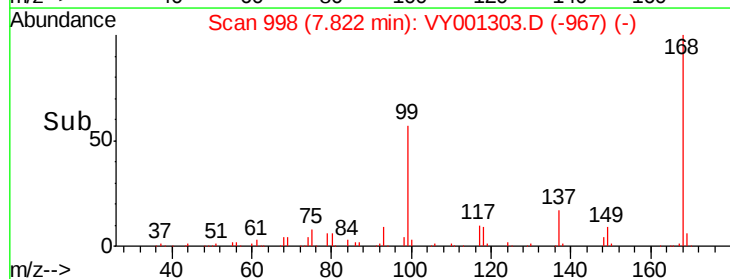
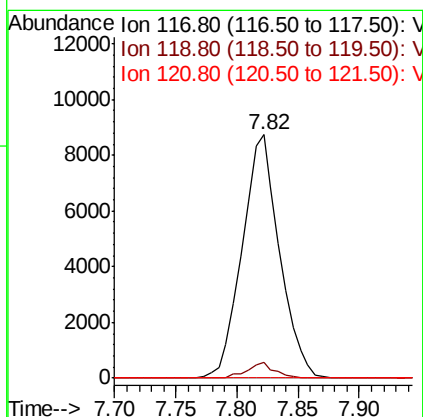
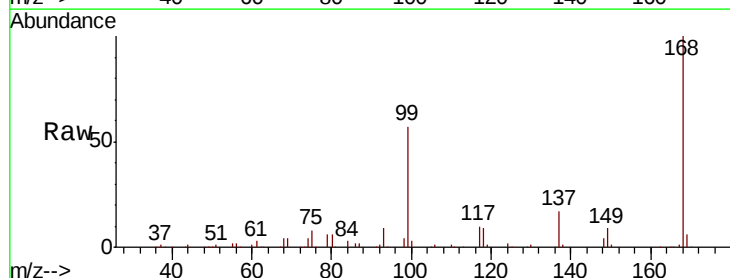
Instrument :
 MSVOA_Y
 ClientSampleId :

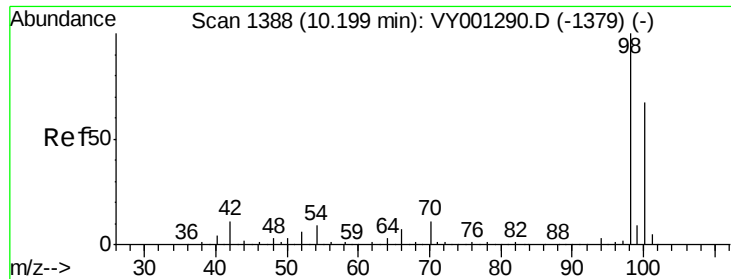
Tot Ion	75	Resp	14866
Ion Ratio	Lower	Upper	
75	100		
110	8.2	18.3	54.8#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.455 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.11 min
 Lab File: VY001303.D
 Acq: 20 Jan 2020 18:07

Tgt Ion	117	Resp	18490
Ion Ratio	Lower	Upper	
117	100		
119	6.7	78.3	117.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 53.007 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. -0.01 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

Instrument :

MSVOA_Y

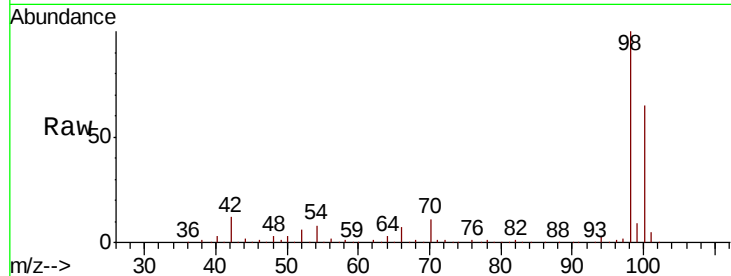
ClientSampled :

Tot Ion: 98 Resp: 410104

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001290.D (-1379) (-)

Ion 100.00 (99.70 to 100.70): VY001303.D (-1339) (-)

10.19

250000

200000

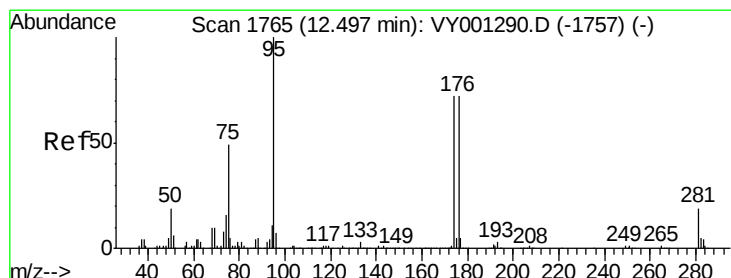
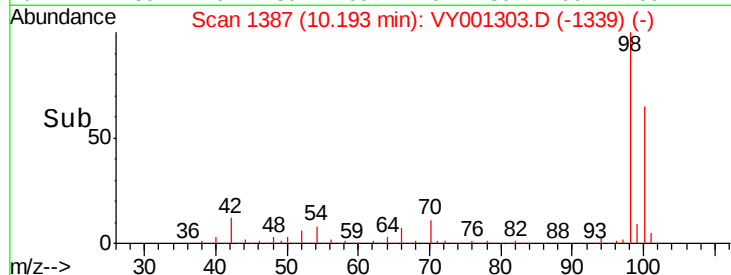
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.219 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

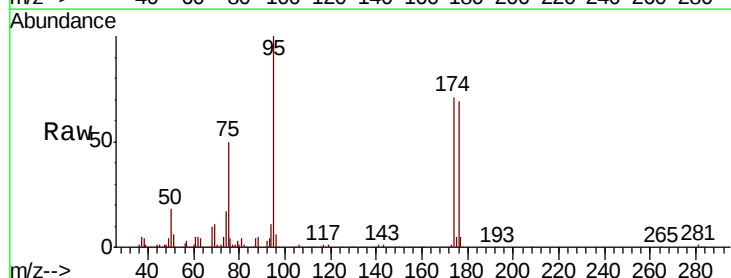
Tgt Ion: 95 Resp: 149357

Ion Ratio Lower Upper

95 100

174 75.2 0.0 143.2

176 72.8 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VY001290.D (-1757) (-)

Ion 173.80 (173.50 to 174.50): VY001290.D (-1757) (-)

Ion 175.80 (175.50 to 176.50): VY001303.D (-1716) (-)

12.49

120000

100000

80000

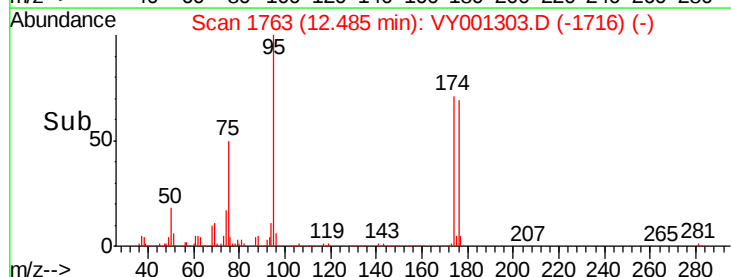
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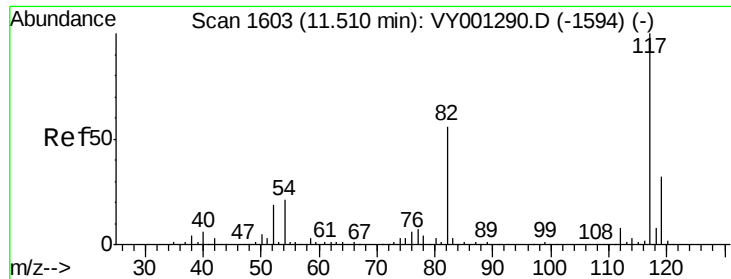
40000

20000

0

Time-->

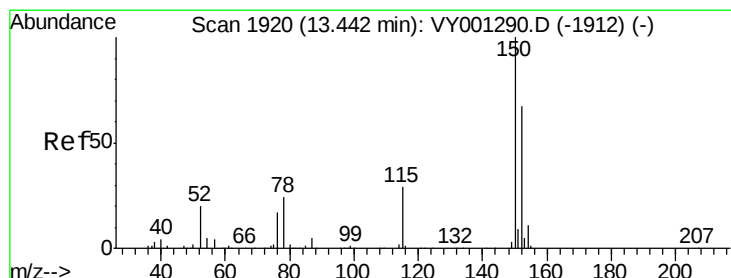
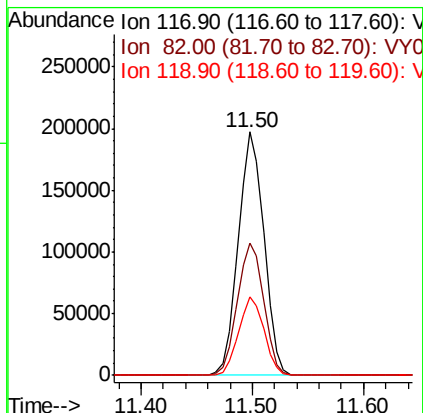
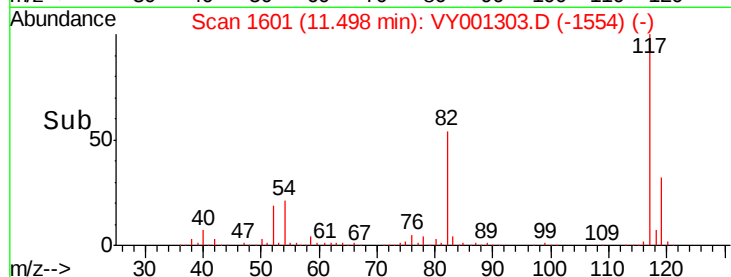
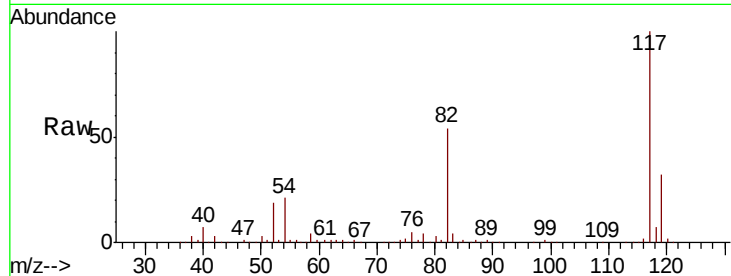




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001303.D
Acq: 20 Jan 2020 18:07

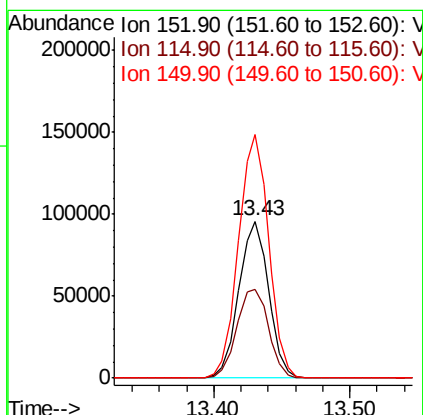
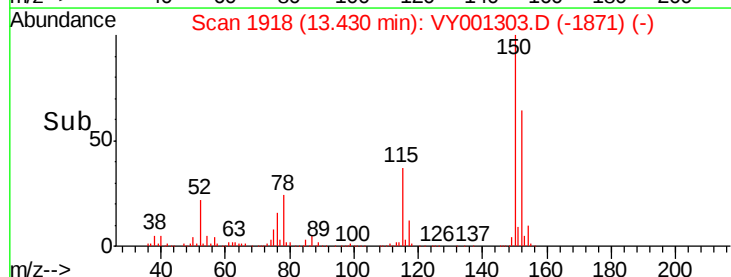
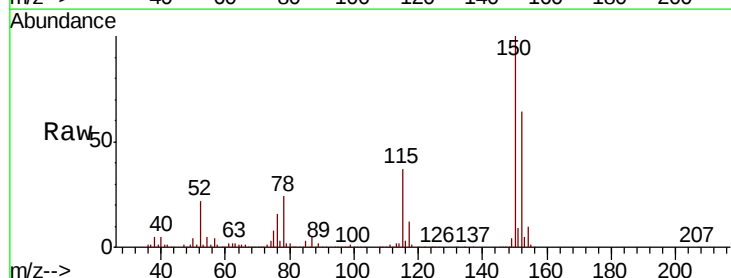
Instrument :
MSVOA_Y
ClientSampled :

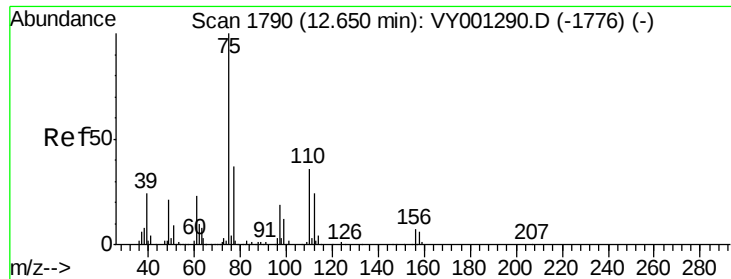
Tot Ion:117 Resp: 314411
Ion Ratio Lower Upper
117 100
82 54.4 44.9 67.3
119 32.1 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001303.D
Acq: 20 Jan 2020 18:07

Tgt Ion:152 Resp: 146244
Ion Ratio Lower Upper
152 100
115 60.2 30.9 92.5
150 157.4 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 47.943 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

Instrument :

MSVOA_Y

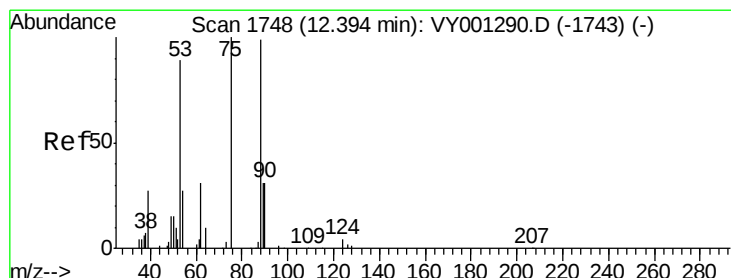
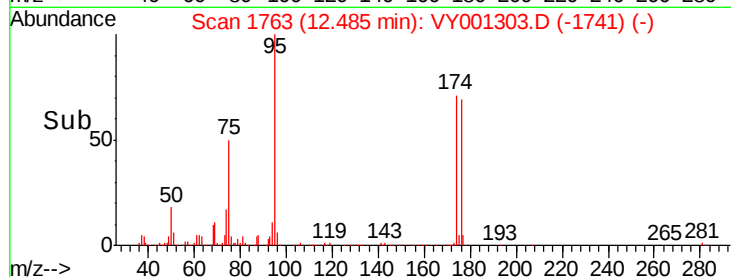
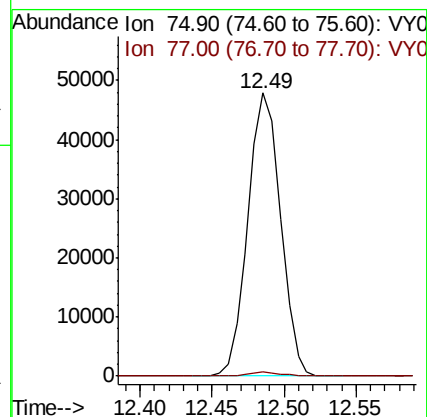
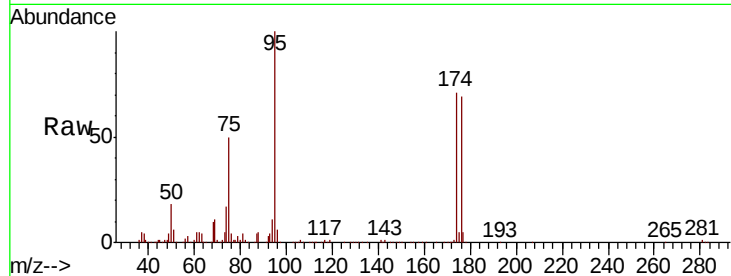
ClientSampleId :

Tot Ion: 75 Resp: 75057

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.300 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.09 min

Lab File: VY001303.D

Acq: 20 Jan 2020 18:07

Tgt Ion: 75 Resp: 75057

Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.1 0.0 0.0#

