

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012020\
 Data File : VY001314.D
 Acq On : 20 Jan 2020 22:11
 Operator : SY/MD
 Sample : L1205-10
 Misc : 11.88G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 07:05:38 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	7.83	168	32554	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	53838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	42717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	16873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	13912	40.46	ug/l	0.00
Spiked Amount			Recovery	=	80.92%	
35) Dibromofluoromethane	7.76	113	13911	44.13	ug/l	0.00
Spiked Amount			Recovery	=	88.26%	
50) Toluene-d8	10.20	98	62690	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.50	95	18506	37.27	ug/l	0.00
Spiked Amount			Recovery	=	74.54%	

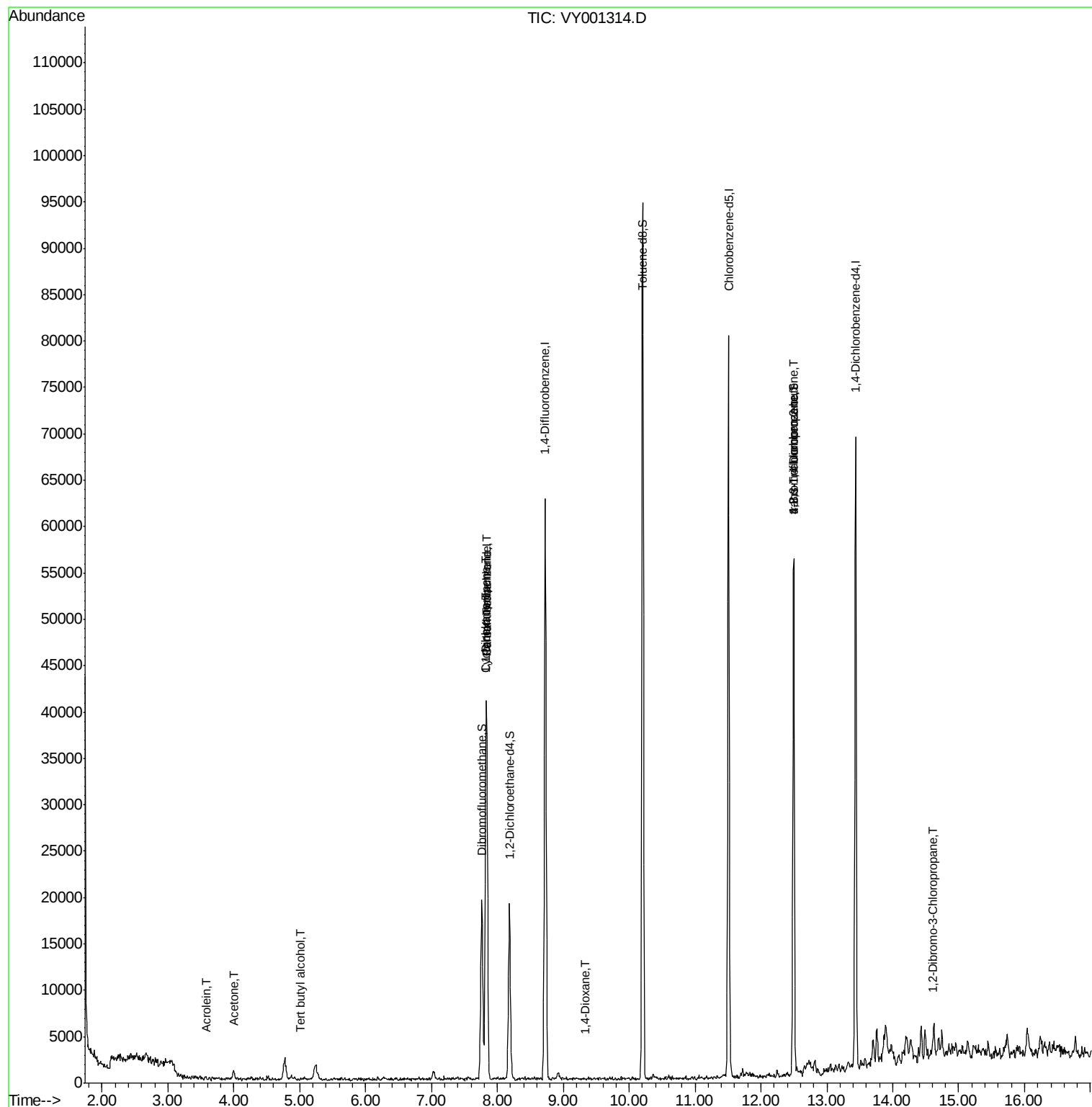
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.01	59	67	1.937	ug/l #	73
13) Acrolein	3.58	56	44	1.413	ug/l #	14
16) Acetone	4.00	43	1385	17.345	ug/l	99
20) Methylene Chloride	4.77	84	1496	Below Cal		93
31) Cyclohexane	7.82	56	794	1.194	ug/l #	41
36) 1,1-Dichloropropene	7.82	75	2418	4.928	ug/l #	45
38) Carbon Tetrachloride	7.83	117	3105	6.905	ug/l #	11
49) 1,4-Dioxane	9.32	88	20	8.500	ug/l #	23
76) 1,2,3-Trichloropropane	12.49	75	9022	49.948	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	9022	84.701	ug/l #	6
92) 1,2-Dibromo-3-Chloropropan	14.61	75	49	1.018	ug/l #	29

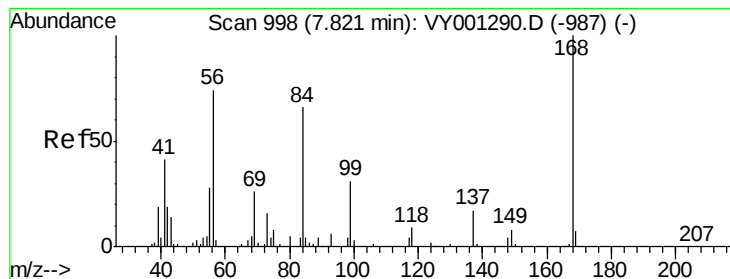
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1000

Delta R.T. 0.01 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :

MSVOA_Y

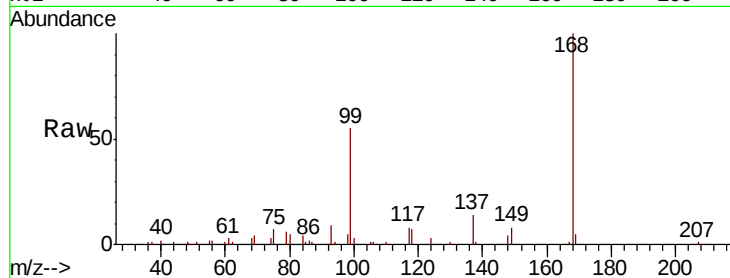
ClientSampleId :

Tot Ion:168 Resp: 32554

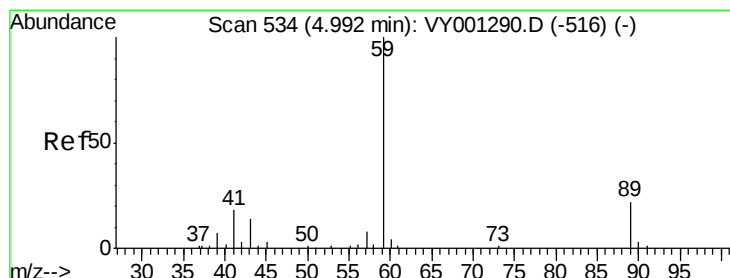
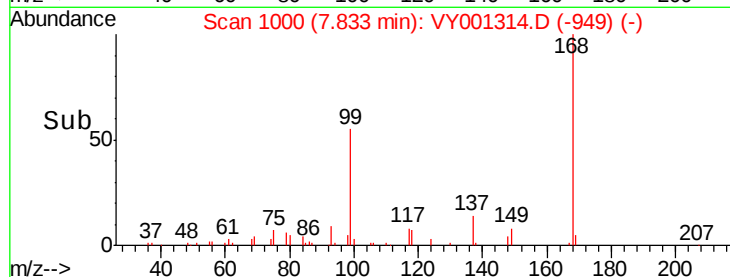
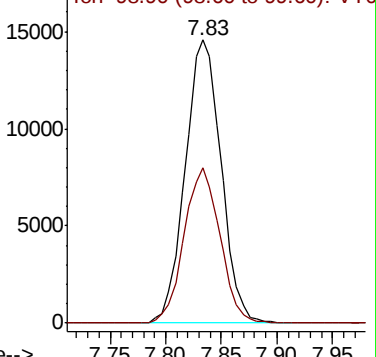
Ion Ratio Lower Upper

168 100

99 54.8 47.9 71.9



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



#11

Tert butyl alcohol

Concen: 1.937 ug/l

RT: 5.01 min Scan# 537

Delta R.T. 0.02 min

Lab File: VY001314.D

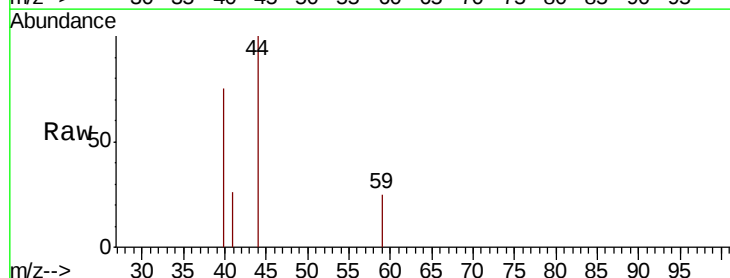
Acq: 20 Jan 2020 22:11

Tgt Ion: 59 Resp: 67

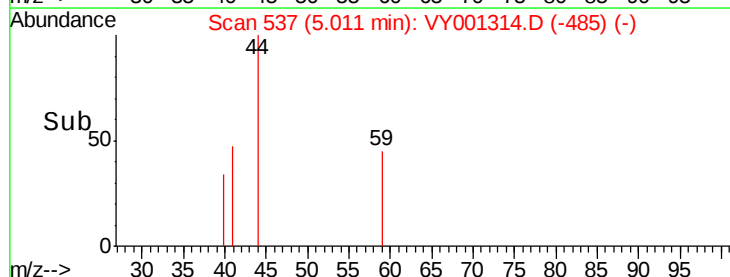
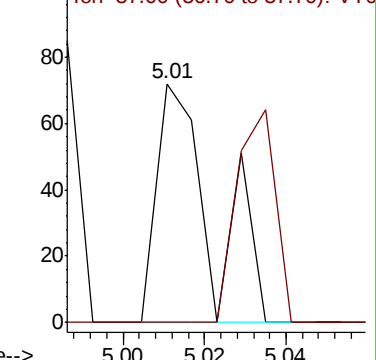
Ion Ratio Lower Upper

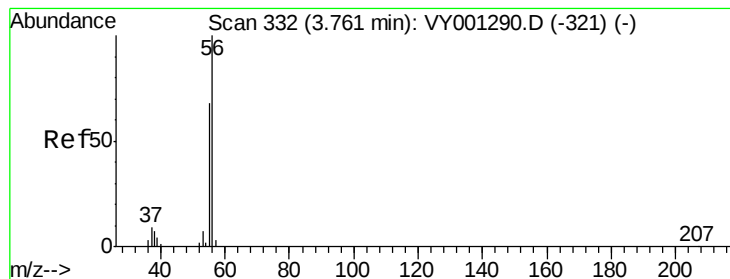
59 100

57 0.0 7.8 11.8#



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





#13

Acrolein

Concen: 1.413 ug/l

RT: 3.58 min Scan# 303

Delta R.T. -0.18 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :

MSVOA_Y

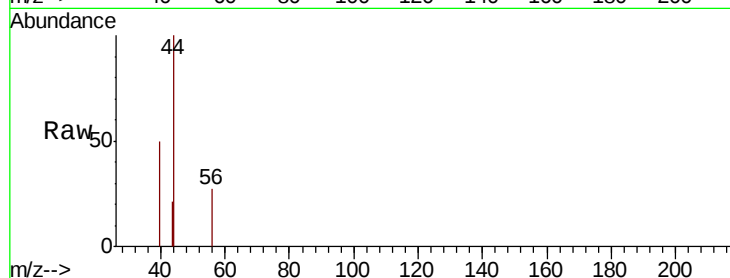
ClientSampleId :

Tot Ion: 56 Resp: 44

Ion Ratio Lower Upper

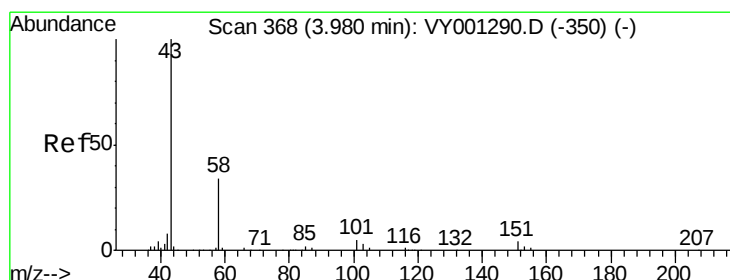
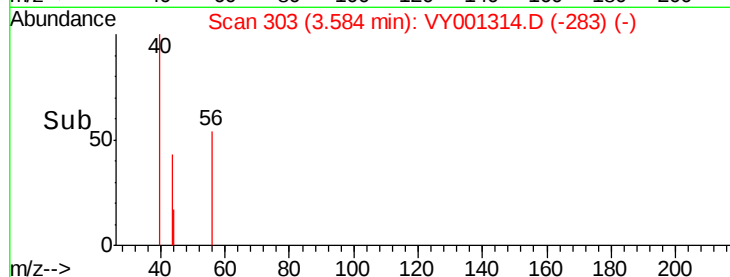
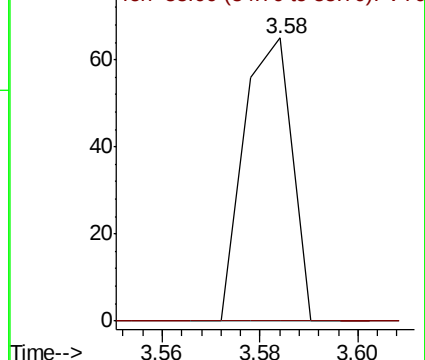
56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 17.345 ug/l

RT: 4.00 min Scan# 371

Delta R.T. 0.02 min

Lab File: VY001314.D

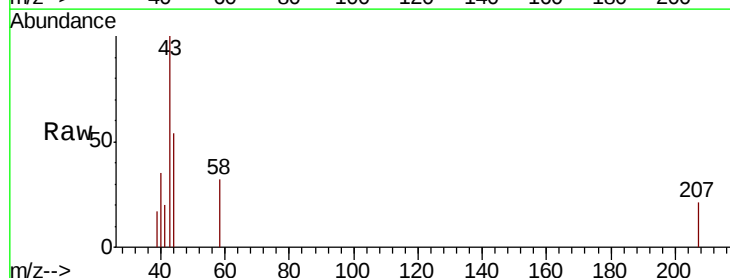
Acq: 20 Jan 2020 22:11

Tgt Ion: 43 Resp: 1385

Ion Ratio Lower Upper

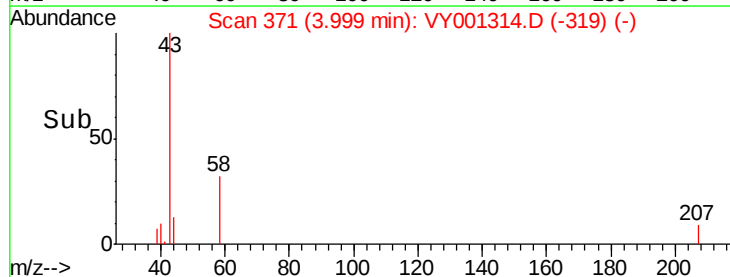
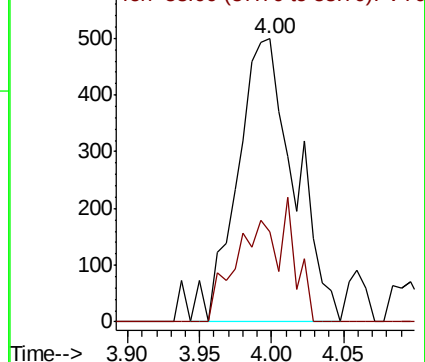
43 100

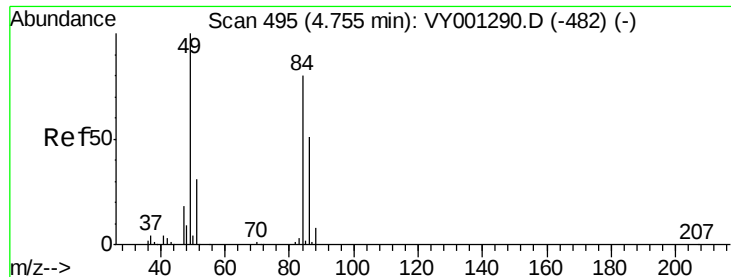
58 31.7 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

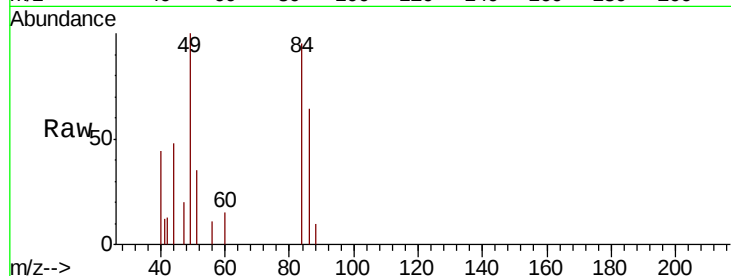




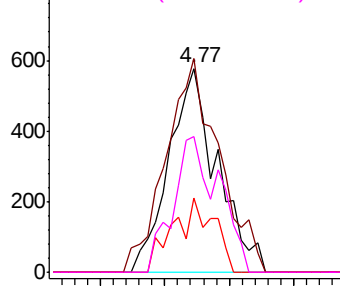
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.77 min Scan# 498
Delta R.T. 0.02 min
Lab File: VY001314.D
Acq: 20 Jan 2020 22:11

Instrument :
MSVOA_Y
ClientSampleId :

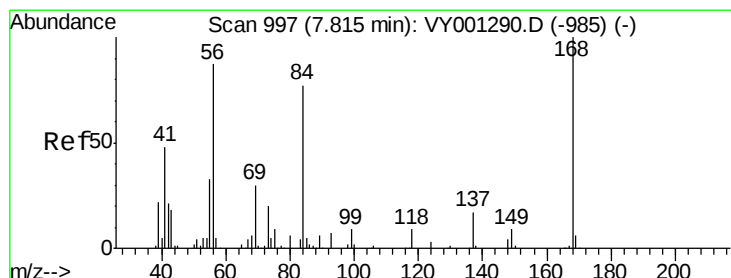
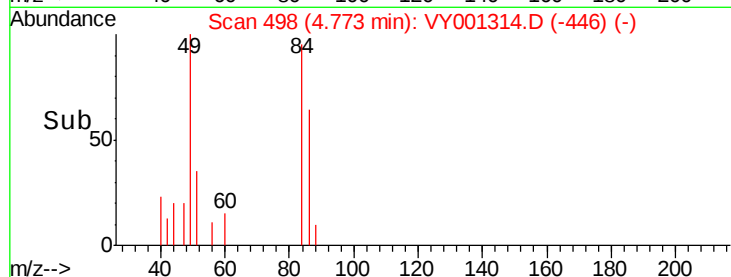
Tot Ion: 84 Resp: 1496
Ion Ratio Lower Upper
84 100
49 104.9 93.8 140.6
51 36.6 29.9 44.9
86 66.7 52.6 78.8



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

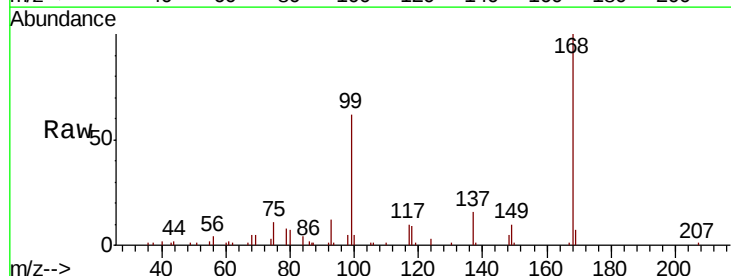


Time-->

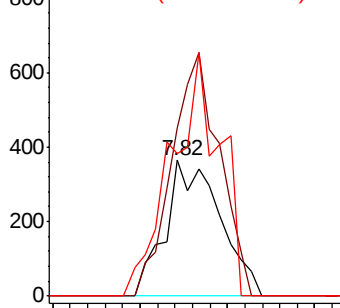


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001314.D
Acq: 20 Jan 2020 22:11

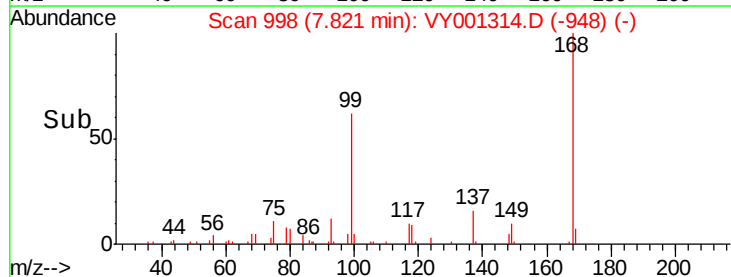
Tgt Ion: 56 Resp: 794
Ion Ratio Lower Upper
56 100
69 123.6 27.8 41.8#
84 104.9 68.9 103.3#

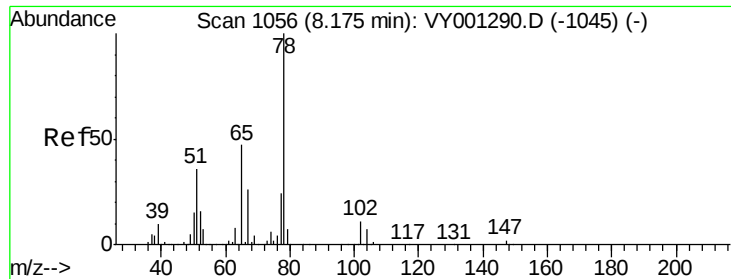


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 40.462 ug/l

RT: 8.18 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :

MSVOA_Y

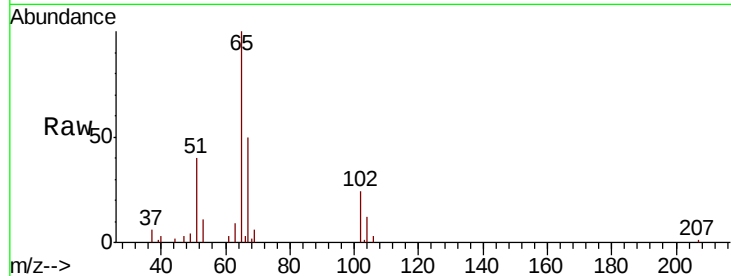
ClientSampleId :

Tot Ion: 65 Resp: 13912

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.18

6000

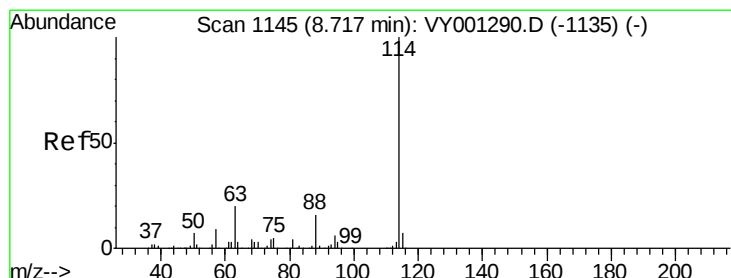
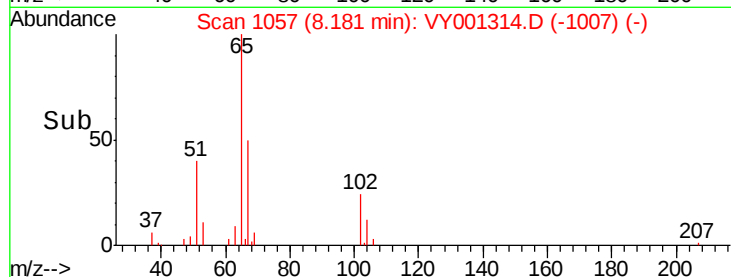
4000

2000

0

8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

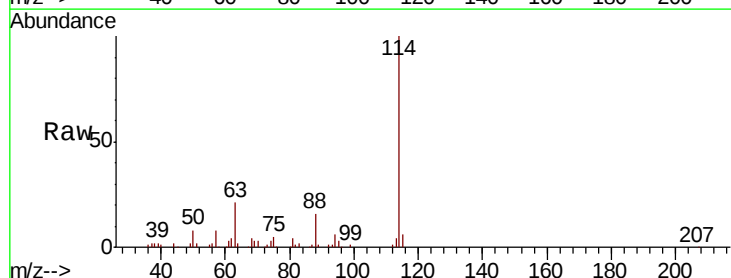
Tgt Ion: 114 Resp: 53838

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 16.2 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

8.72

30000

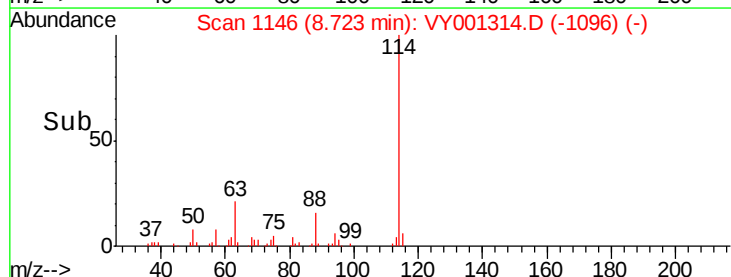
20000

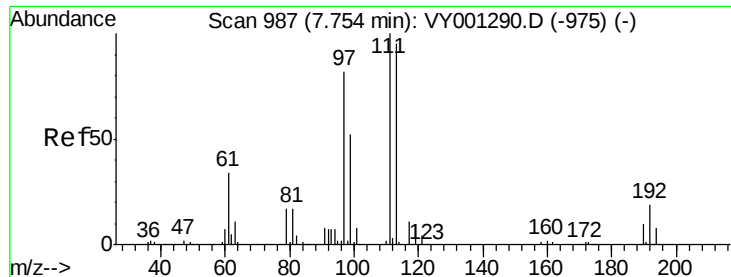
10000

0

8.65 8.70 8.75 8.80

Time-->





#35

Dibromofluoromethane

Concen: 44.131 ug/l

RT: 7.76 min Scan# 988

Delta R.T. 0.01 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :
MSVOA_Y
ClientSampleId :

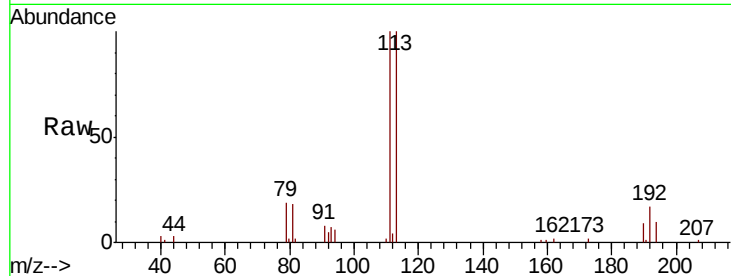
Tot Ion:113 Resp: 13911

Ion Ratio Lower Upper

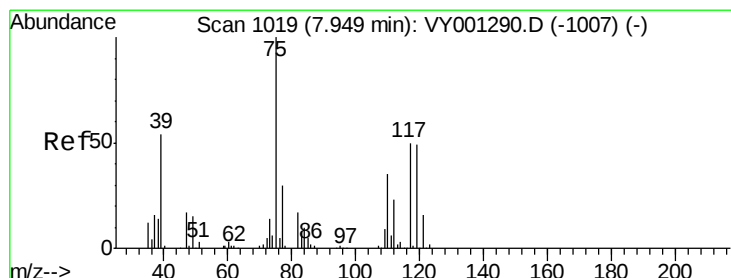
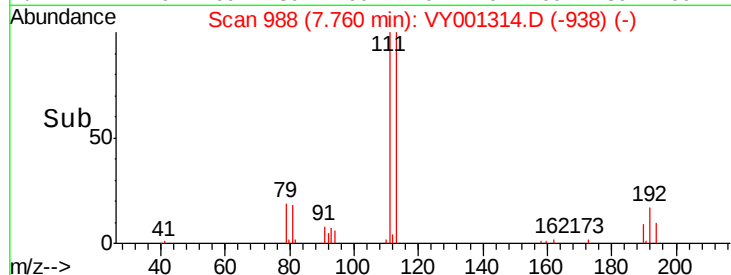
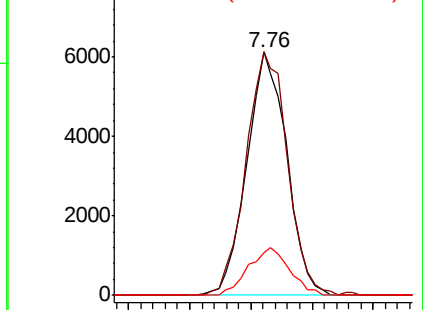
113 100

111 103.3 82.9 124.3

192 19.9 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: 4.928 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.13 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

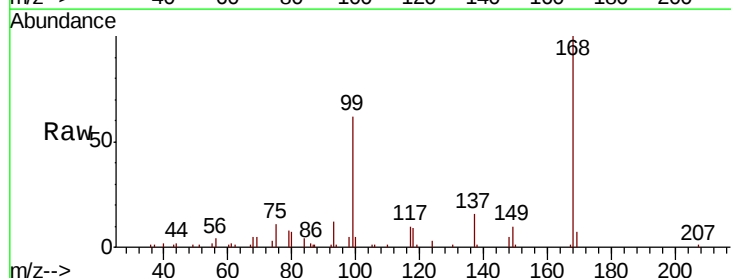
Tgt Ion: 75 Resp: 2418

Ion Ratio Lower Upper

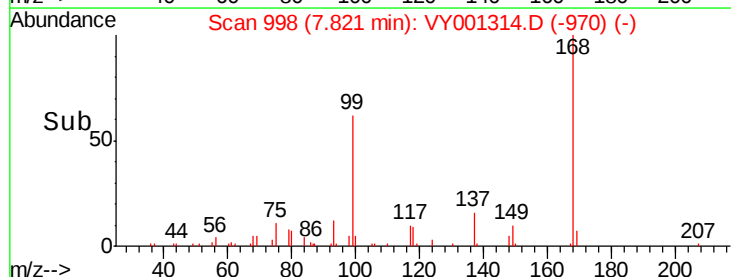
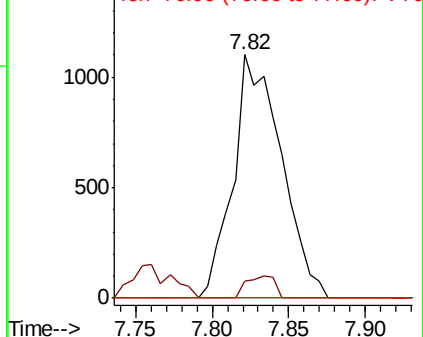
75 100

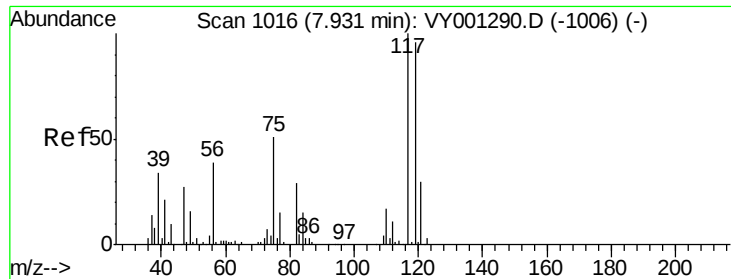
110 5.4 18.3 54.8#

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: 6.905 ug/l

RT: 7.83 min Scan# 999

Delta R.T. -0.10 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :

MSVOA_Y

ClientSampled :

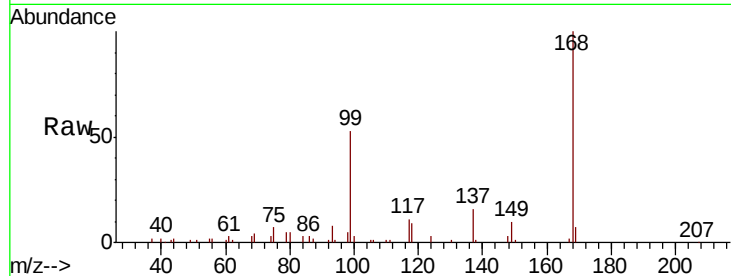
Tot Ion:117 Resp: 3105

Ion Ratio Lower Upper

117 100

119 0.0 78.3 117.5#

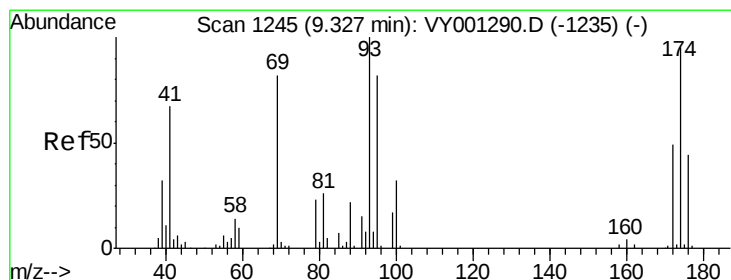
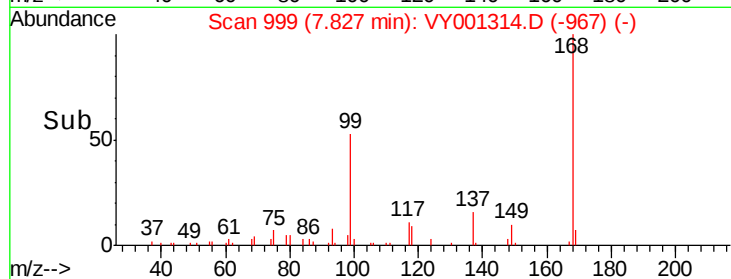
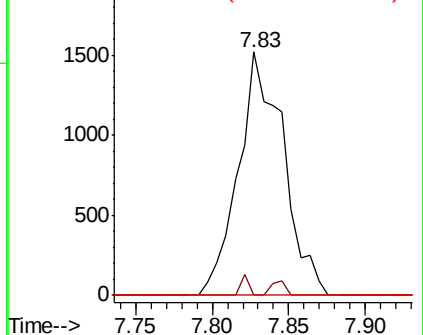
121 0.0 23.5 35.3#



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



#49

1,4-Dioxane

Concen: 8.500 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. -0.01 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

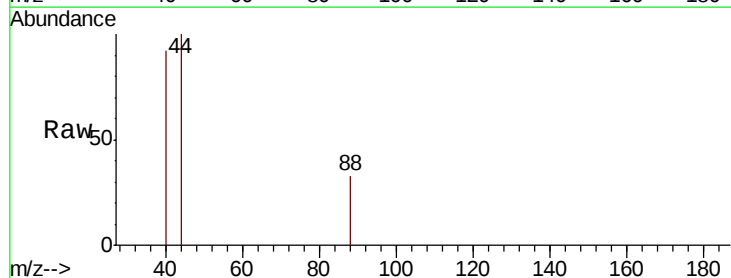
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 22.4 33.6#

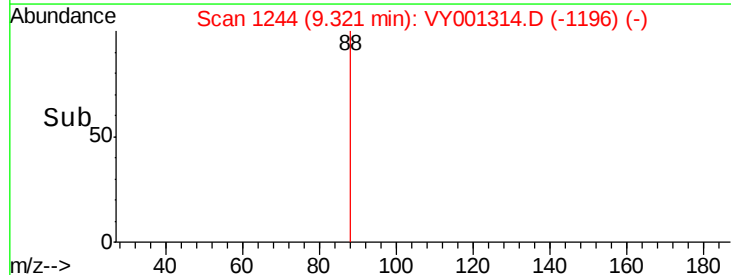
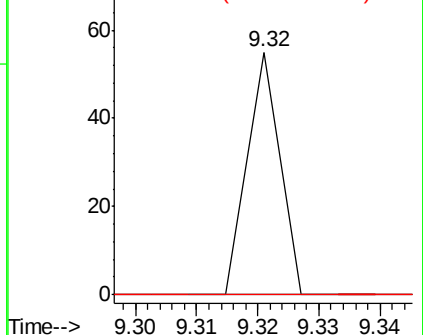
58 0.0 58.0 87.0#

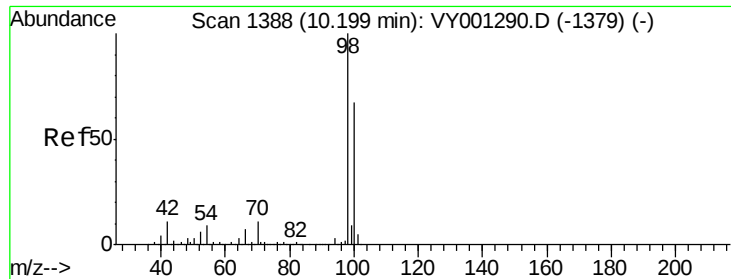


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 51.614 ug/l

RT: 10.20 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :

MSVOA_Y

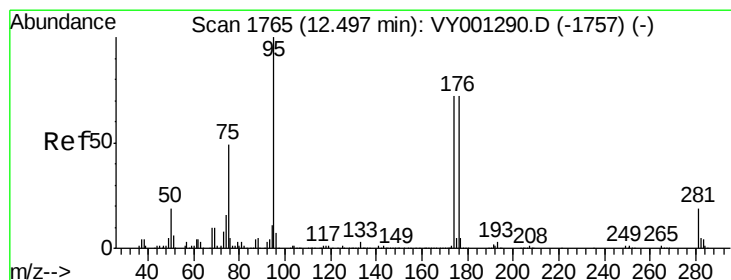
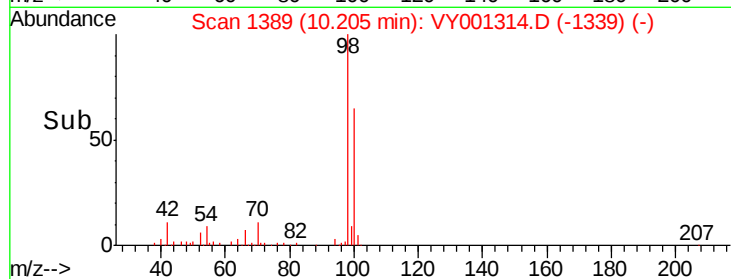
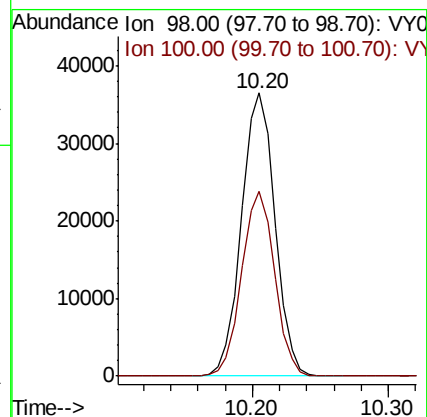
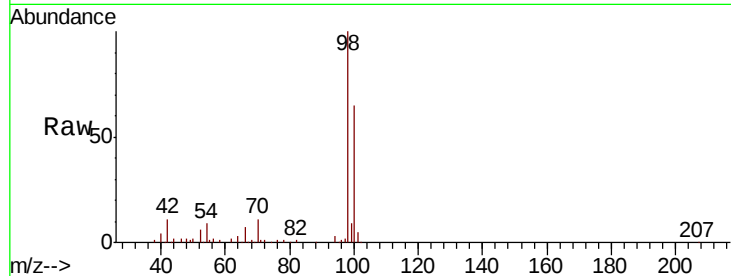
ClientSampleId :

Tot Ion: 98 Resp: 62690

Ion Ratio Lower Upper

98 100

100 64.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 37.268 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

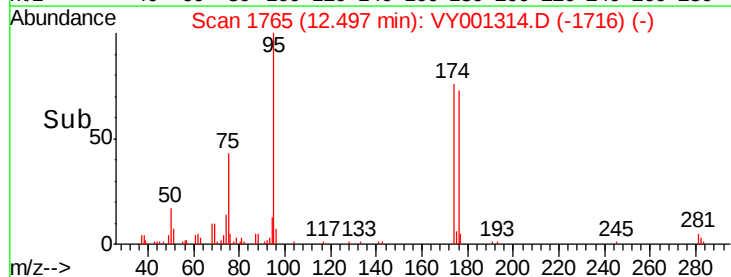
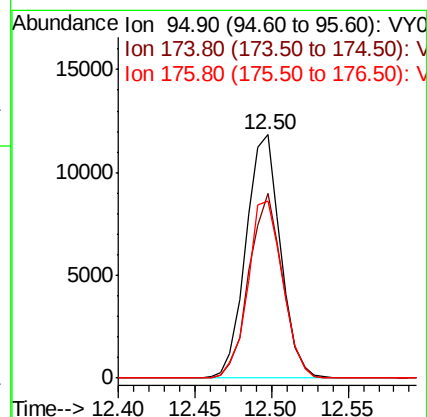
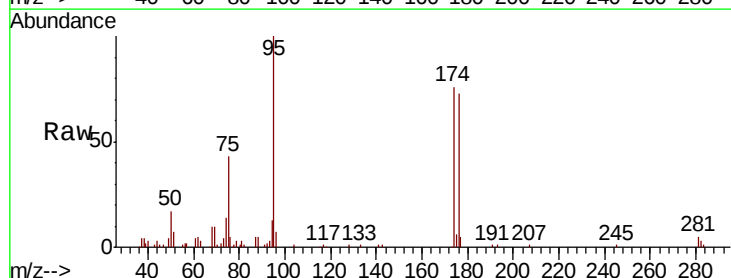
Tgt Ion: 95 Resp: 18506

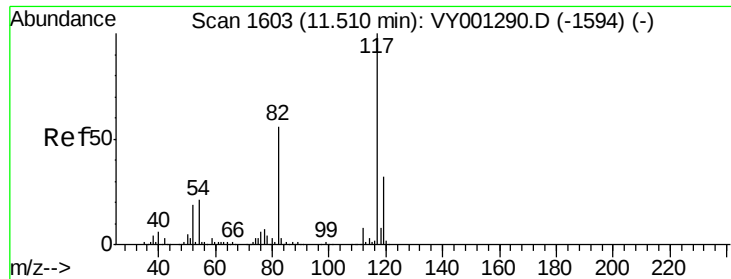
Ion Ratio Lower Upper

95 100

174 73.4 0.0 143.2

176 73.4 0.0 136.0

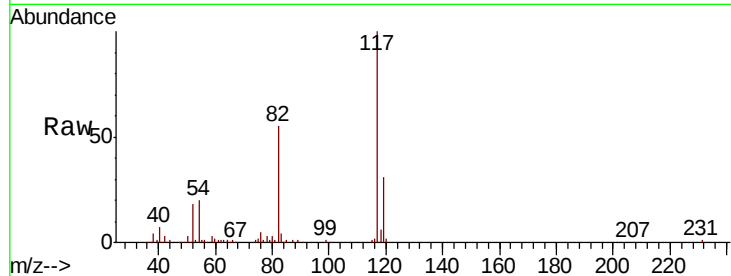




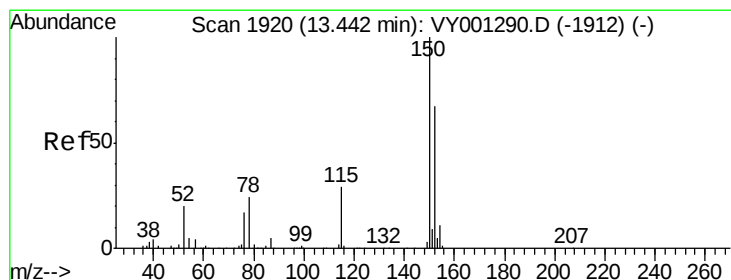
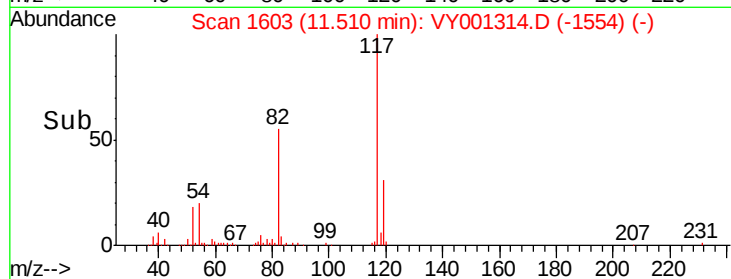
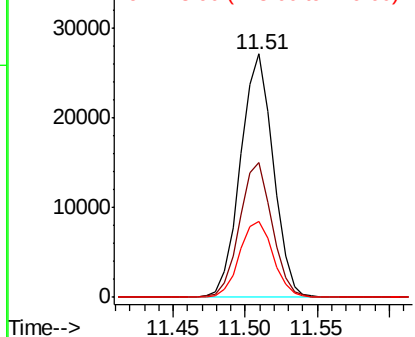
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VY001314.D
Acq: 20 Jan 2020 22:11

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 42717
Ion Ratio Lower Upper
117 100
82 55.4 44.9 67.3
119 31.1 25.7 38.5

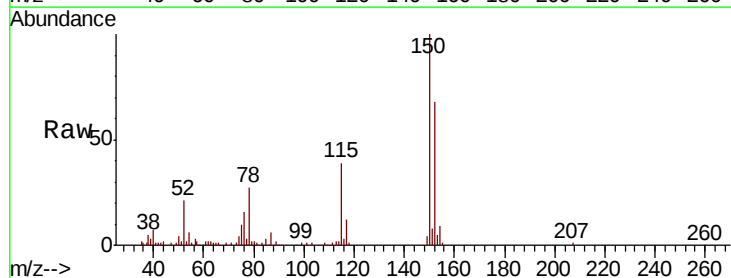


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

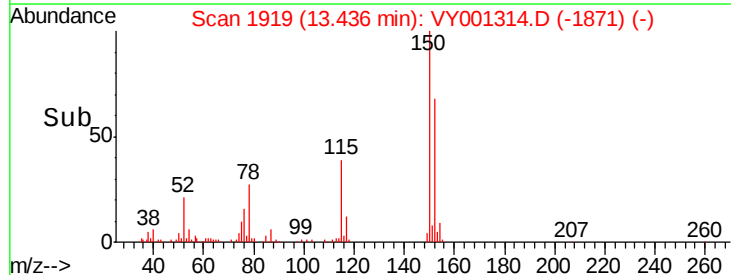
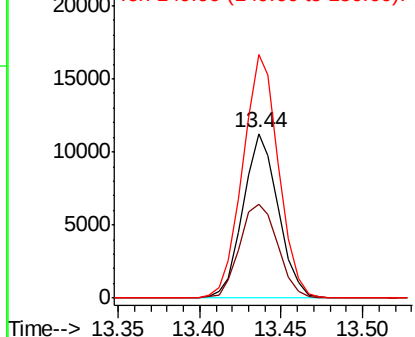


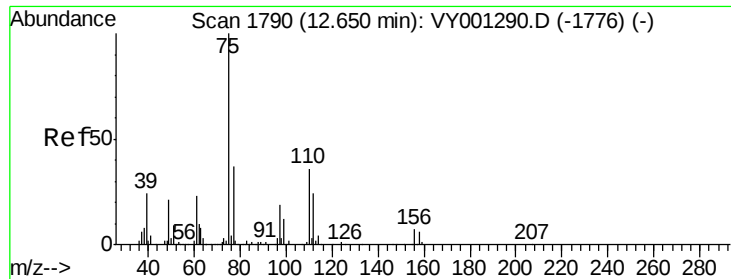
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VY001314.D
Acq: 20 Jan 2020 22:11

Tgt Ion:152 Resp: 16873
Ion Ratio Lower Upper
152 100
115 62.1 30.9 92.5
150 150.9 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: 49.948 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.16 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :

MSVOA_Y

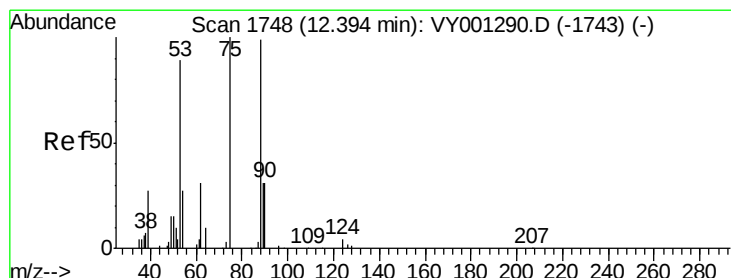
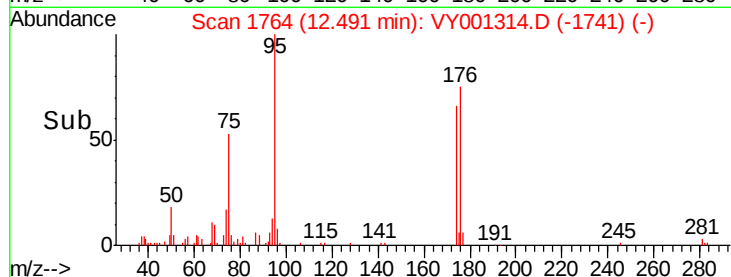
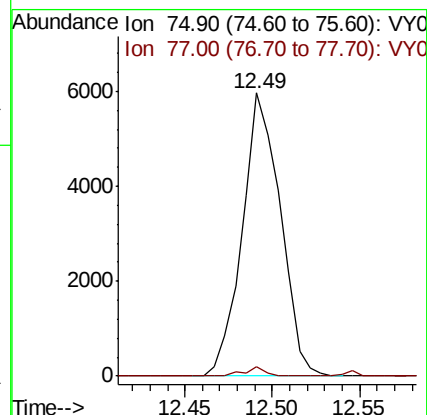
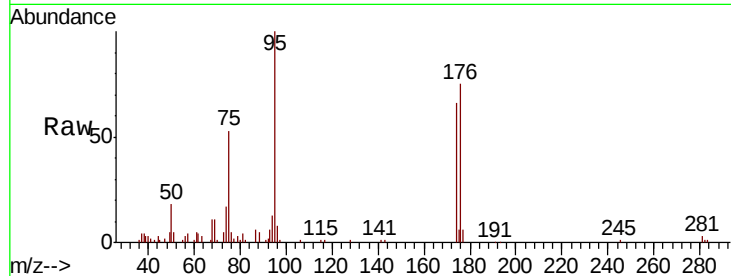
ClientSampleId :

Tot Ion: 75 Resp: 9022

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.701 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

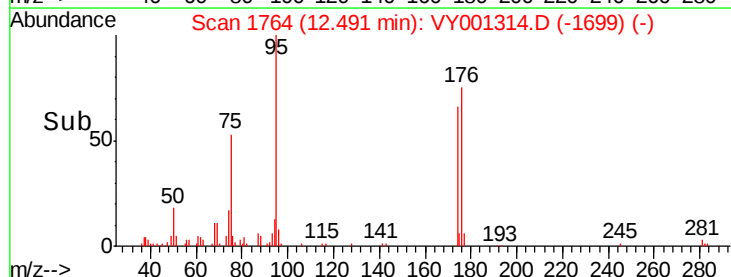
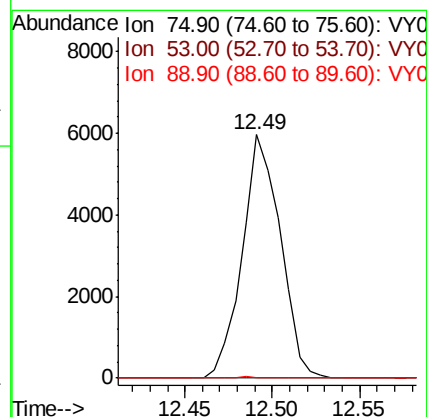
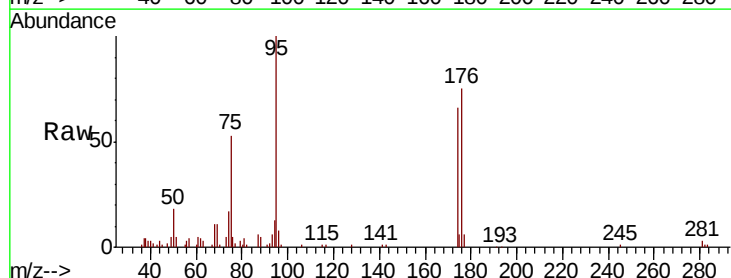
Tgt Ion: 75 Resp: 9022

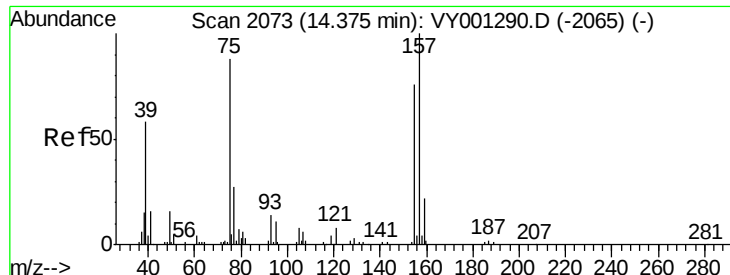
Ion Ratio Lower Upper

75 100

53 0.0 69.4 104.2#

89 0.2 0.0 0.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.018 ug/l

RT: 14.61 min Scan# 2111

Delta R.T. 0.23 min

Lab File: VY001314.D

Acq: 20 Jan 2020 22:11

Instrument :

MSVOA_Y

ClientSampleId :

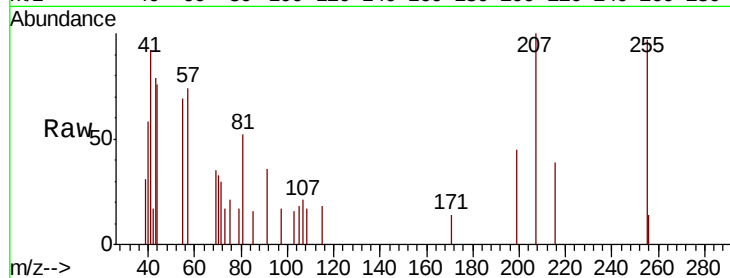
Tot Ion: 75 Resp: 49

Ion Ratio Lower Upper

75 100

155 55.1 41.2 123.6

157 0.0 52.8 158.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

