

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
 Data File : VY000009.D
 Acq On : 11 Sep 2019 19:35
 Operator : SY/MD
 Sample : VY0911SBL01
 Misc : 5.00g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBL01

Quant Time: Sep 12 09:21:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 09:07:31 2019
 Response via : Initial Calibration

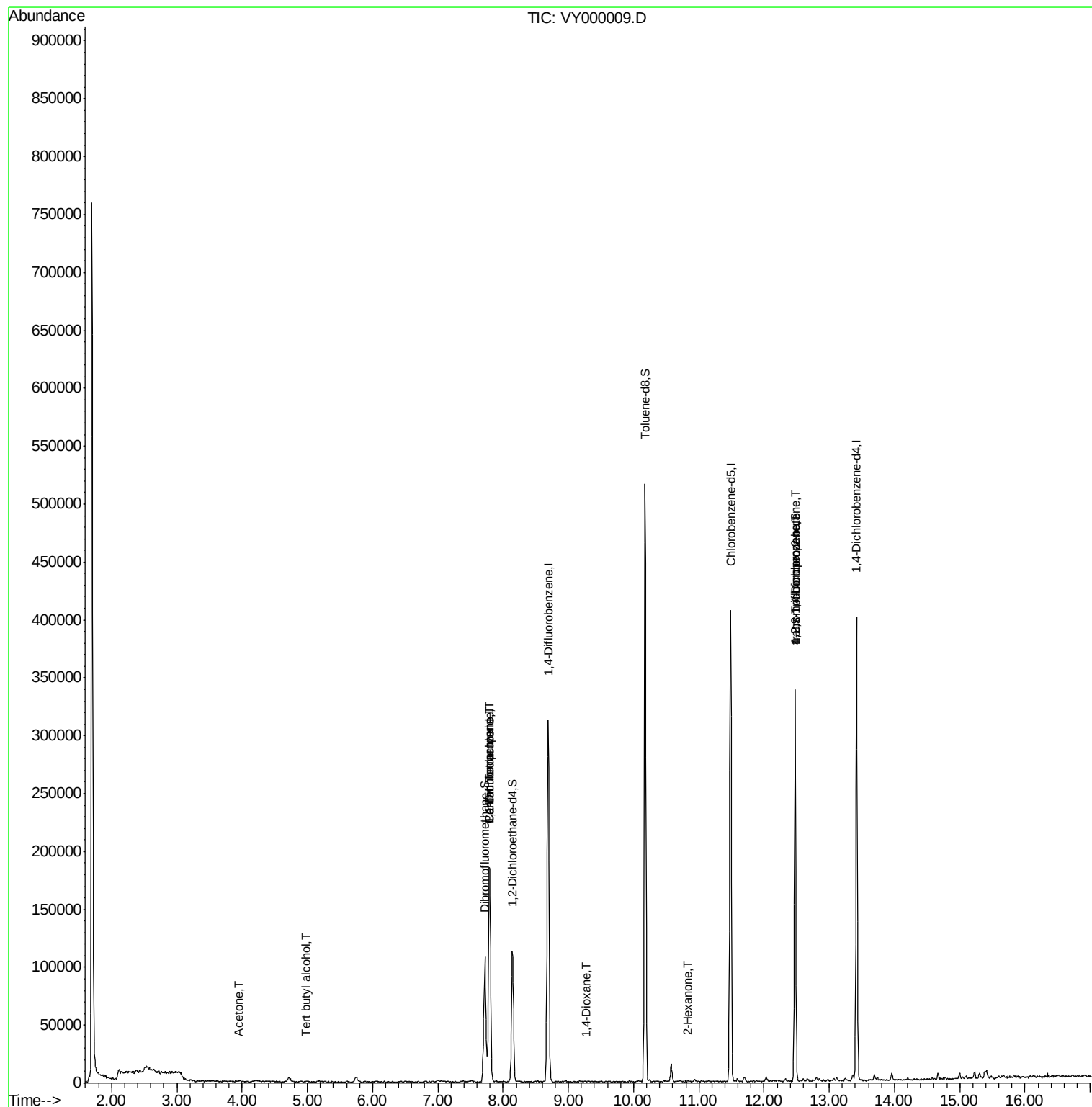
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	142787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	266259	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	227119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	95298	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	78013	53.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.80%	
35) Dibromofluoromethane	7.72	113	79421	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	10.18	98	333153	54.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.48	95	110225	51.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.89	85	653	Below Cal		76
3) Chloromethane	2.11	50	3943	Below Cal		95
11) Tert butyl alcohol	4.98	59	262	1.505 ug/l #		40
13) Acrolein	3.74	56	252	Below Cal #		44
16) Acetone	3.96	43	1729	4.281 ug/l #		67
17) Carbon Disulfide	4.18	76	175	Below Cal #		18
18) Methyl Acetate	4.50	43	498	Below Cal #		48
20) Methylene Chloride	4.71	84	2934	Below Cal #		88
31) Cyclohexane	7.78	56	3611	Below Cal #		30
36) 1,1-Dichloropropene	7.79	75	12580	6.536 ug/l #		47
38) Carbon Tetrachloride	7.79	117	14344	7.763 ug/l #		18
49) 1,4-Dioxane	9.27	88	18	1.065 ug/l #		1
59) 2-Hexanone	10.84	43	1146	1.208 ug/l		70
76) 1,2,3-Trichloropropane	12.48	75	54370	48.347 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.48	75	54370	83.687 ug/l #		18

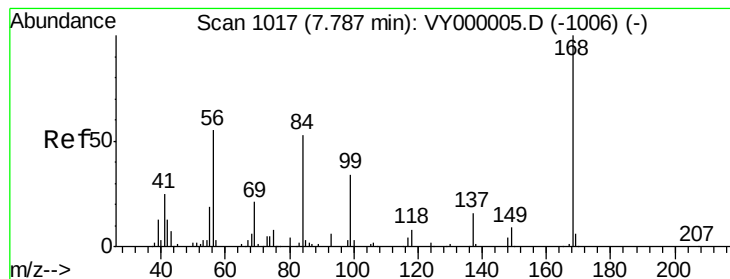
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY091119\
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QLast Update : Thu Sep 12 09:07:31 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

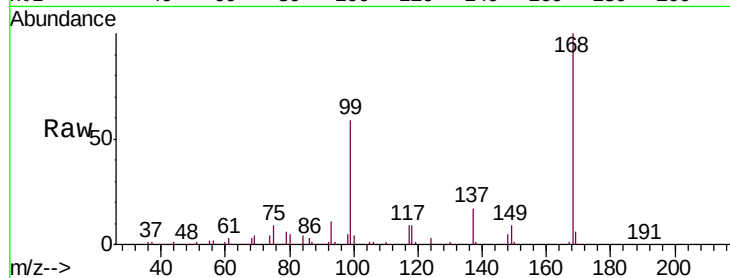
VY0911SBL01

Tgt Ion:168 Resp: 142787

Ion Ratio Lower Upper

168 100

99 59.3 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

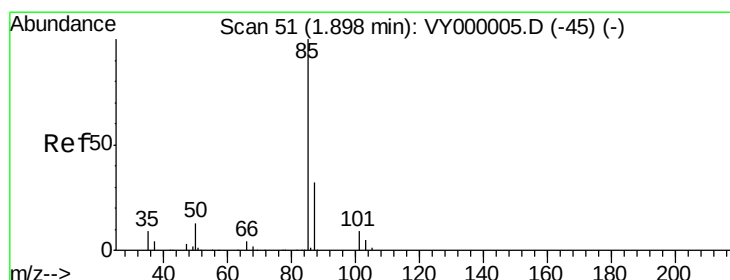
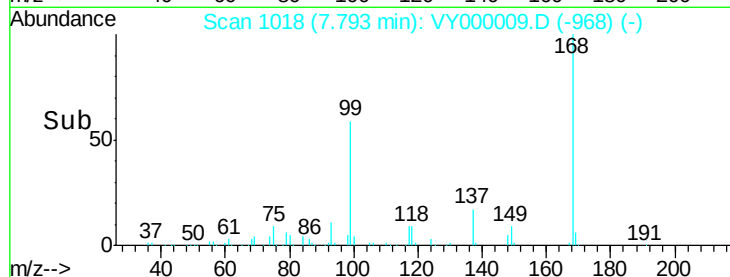
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.89 min Scan# 50

Delta R.T. -0.01 min

Lab File: VY000009.D

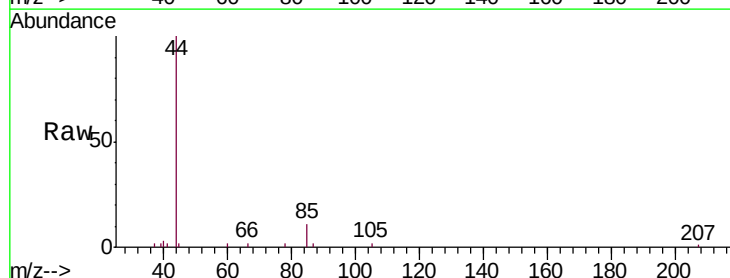
Acq: 11 Sep 2019 19:35

Tgt Ion: 85 Resp: 653

Ion Ratio Lower Upper

85 100

87 19.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

600

500

400

300

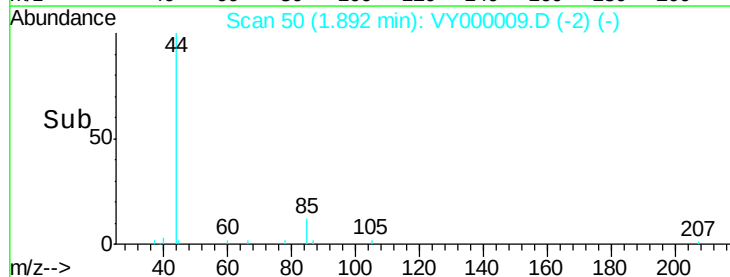
200

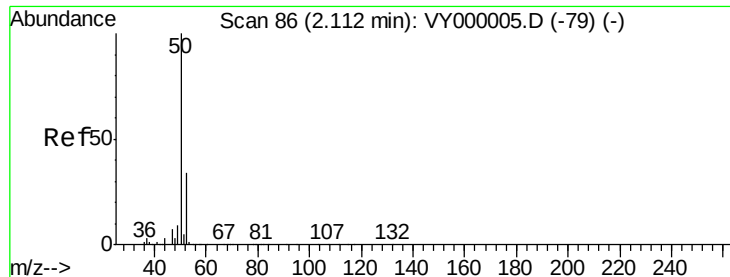
100

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

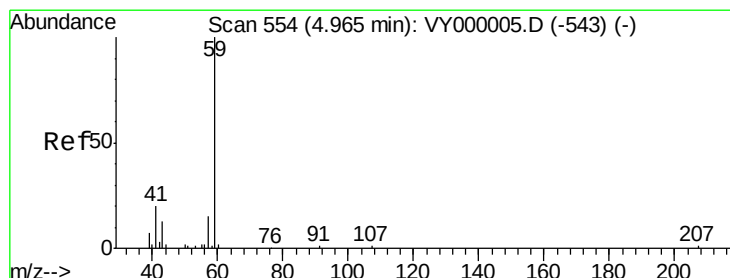
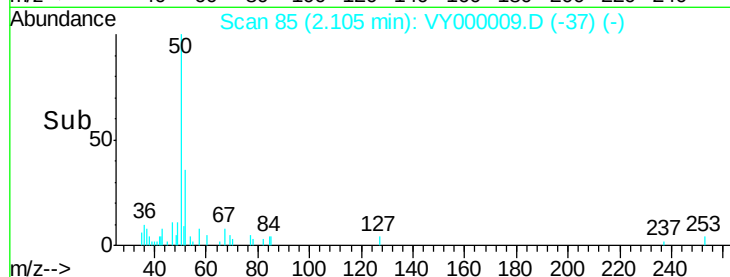
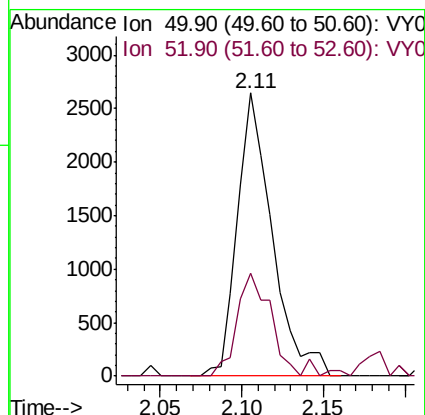
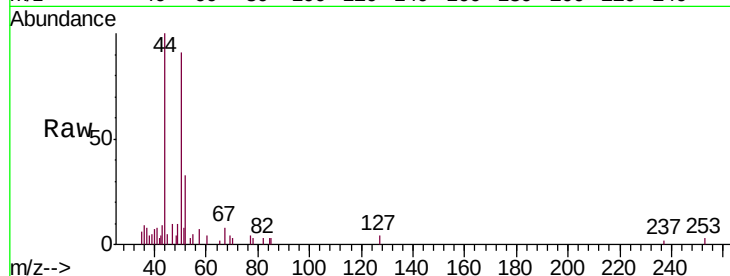
VY0911SBL01

Tgt Ion: 50 Resp: 3943

Ion Ratio Lower Upper

50 100

52 36.4 26.8 40.2



#11

Tert butyl alcohol

Concen: 1.505 ug/l

RT: 4.98 min Scan# 556

Delta R.T. 0.01 min

Lab File: VY000009.D

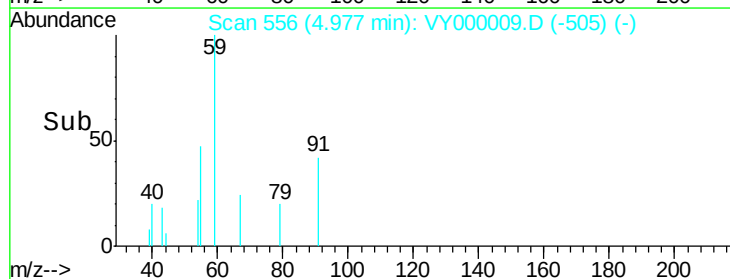
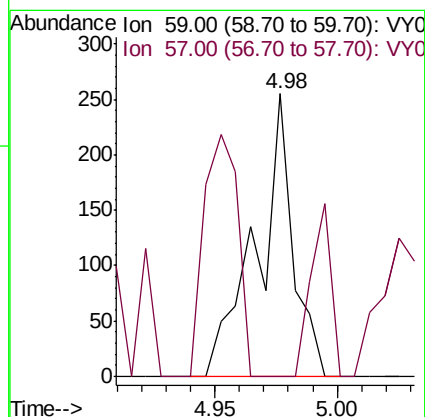
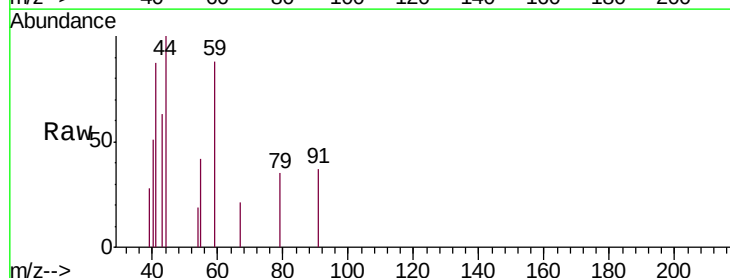
Acq: 11 Sep 2019 19:35

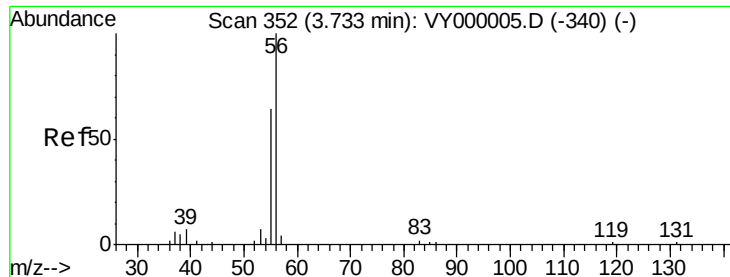
Tgt Ion: 59 Resp: 262

Ion Ratio Lower Upper

59 100

57 34.0 8.9 13.3#





#13

Acrolein

Concen: Below Cal

RT: 3.74 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

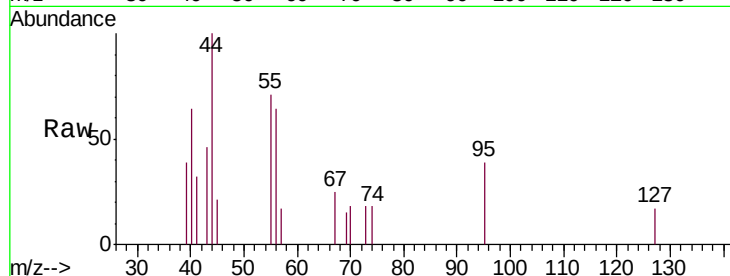
VY0911SBL01

Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

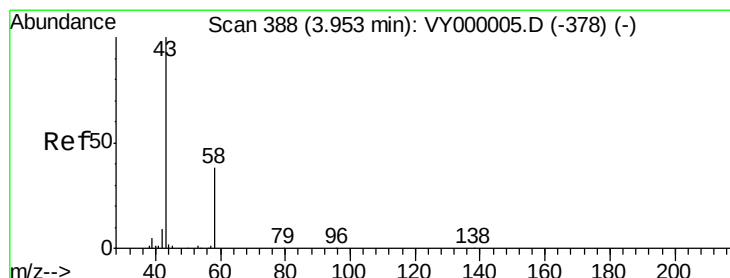
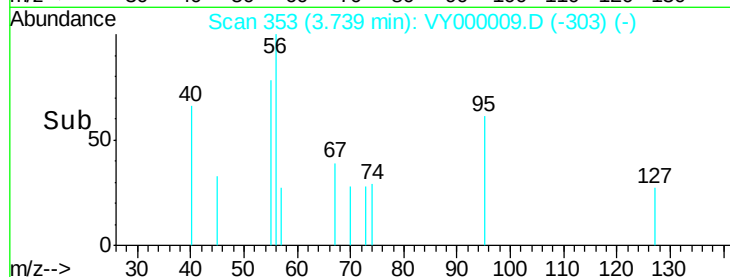
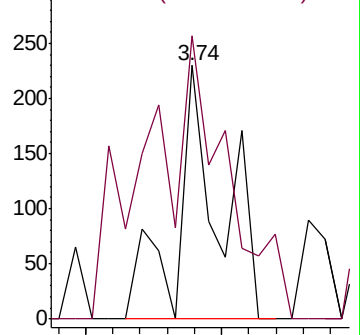
56 100

55 111.1 53.3 79.9#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 4.281 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000009.D

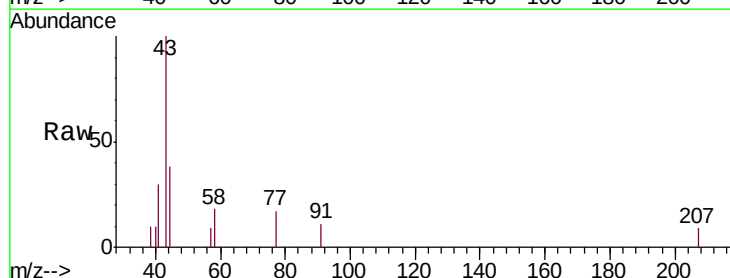
Acq: 11 Sep 2019 19:35

Tgt Ion: 43 Resp: 1729

Ion Ratio Lower Upper

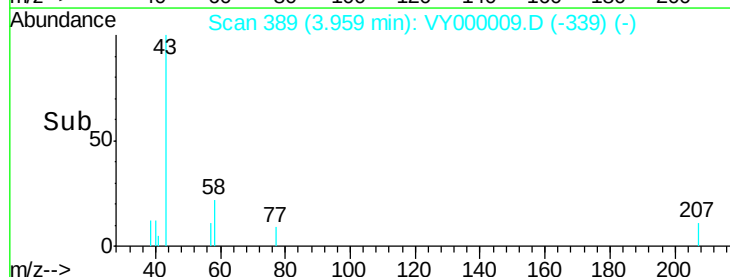
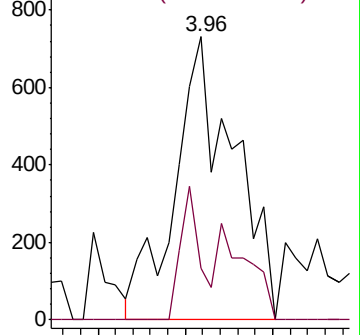
43 100

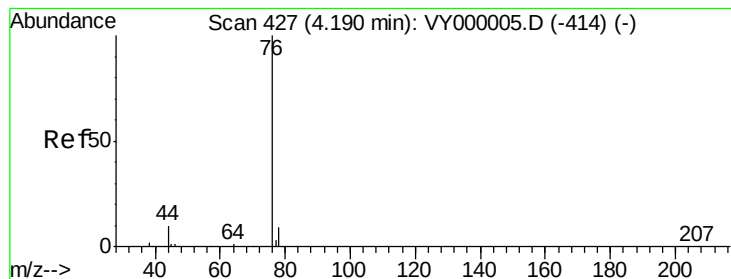
58 18.3 30.5 45.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 426

Delta R.T. -0.01 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

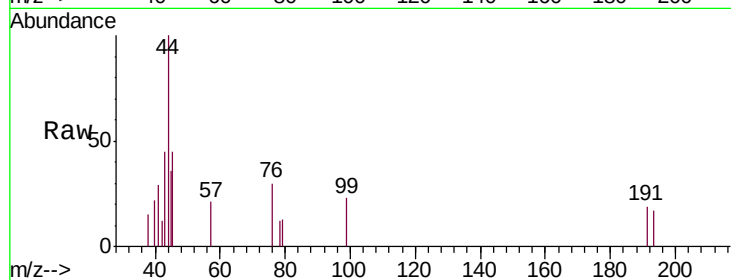
VY0911SBL01

Tgt Ion: 76 Resp: 175

Ion Ratio Lower Upper

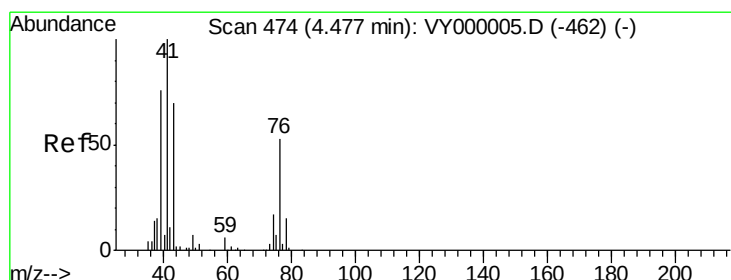
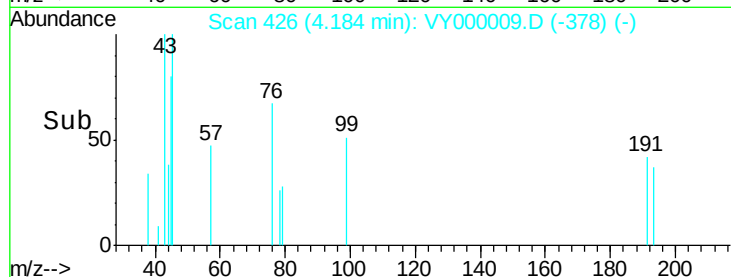
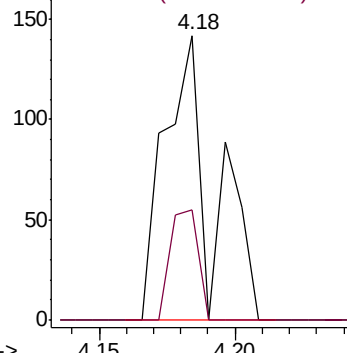
76 100

78 38.7 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.50 min Scan# 477

Delta R.T. 0.02 min

Lab File: VY000009.D

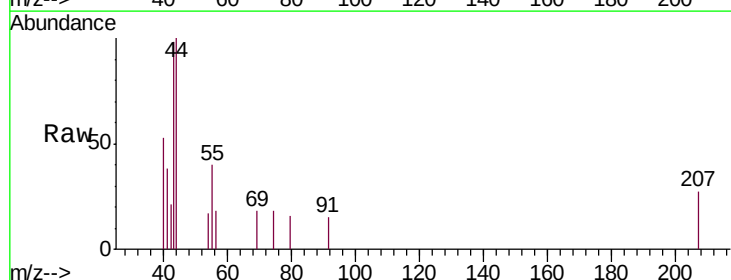
Acq: 11 Sep 2019 19:35

Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

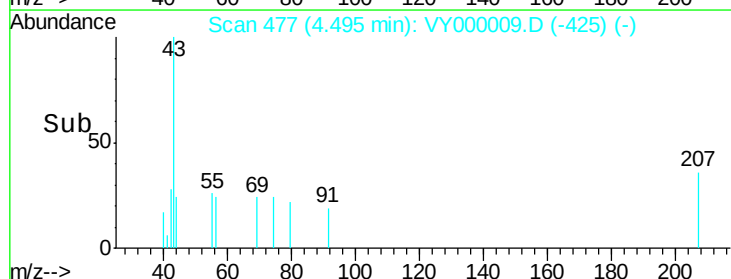
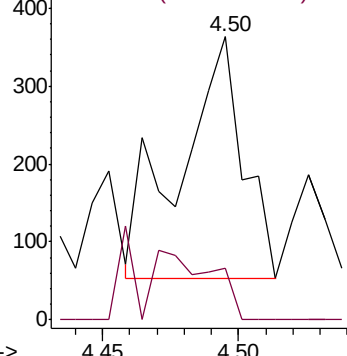
43 100

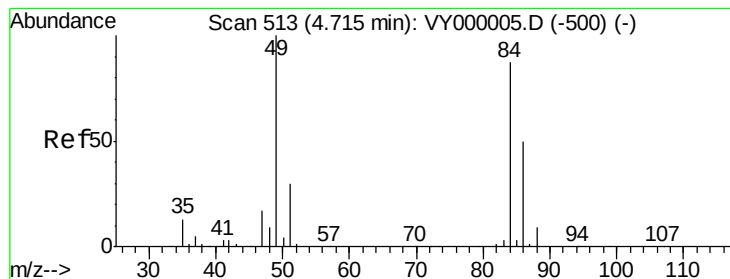
74 0.0 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.71 min Scan# 513

Delta R.T. 0.00 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBL01

Tgt Ion: 84 Resp: 2934

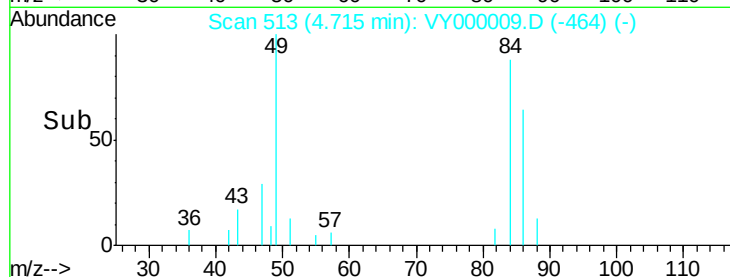
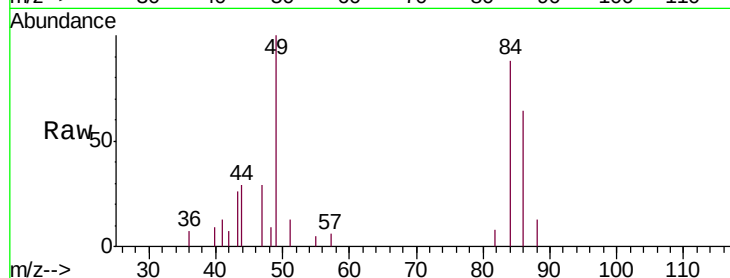
Ion Ratio Lower Upper

84 100

49 114.2 91.7 137.5

51 14.5 28.0 42.0#

86 72.9 46.1 69.1#

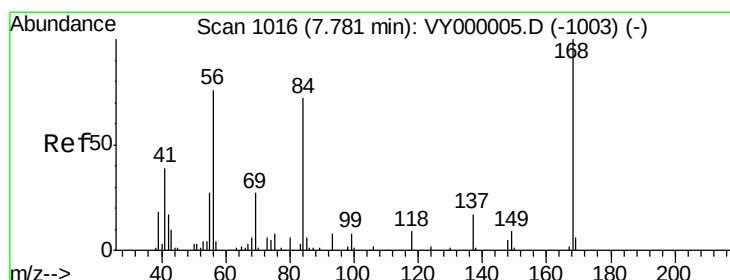
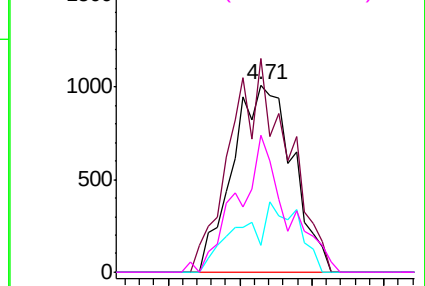


Abundance Ion 83.90 (83.60 to 84.60): VY0

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: Below Cal

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

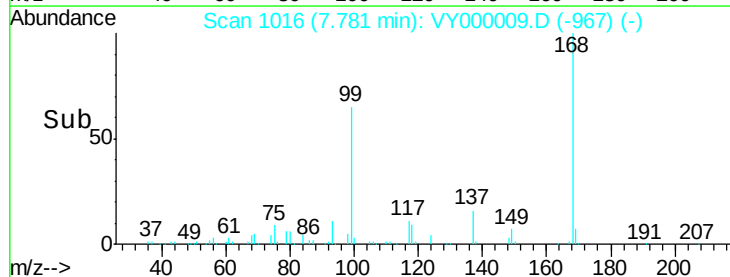
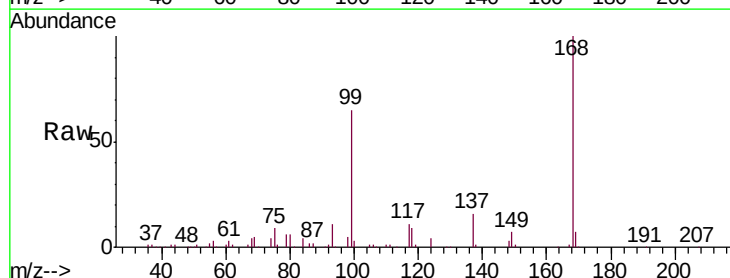
Tgt Ion: 56 Resp: 3611

Ion Ratio Lower Upper

56 100

69 136.3 28.5 42.7#

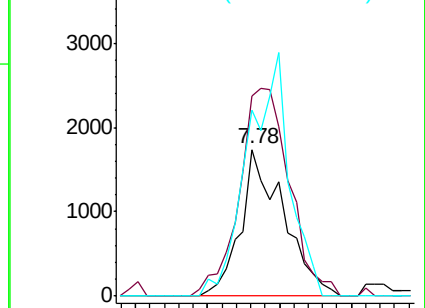
84 126.7 76.4 114.6#

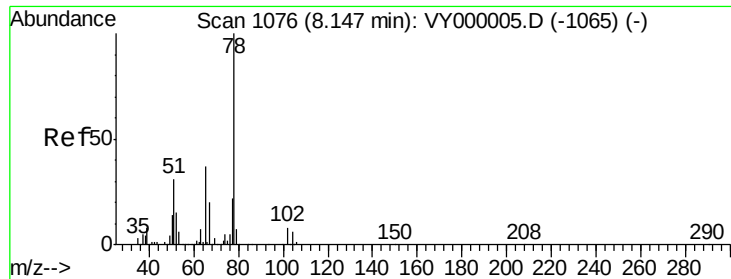


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

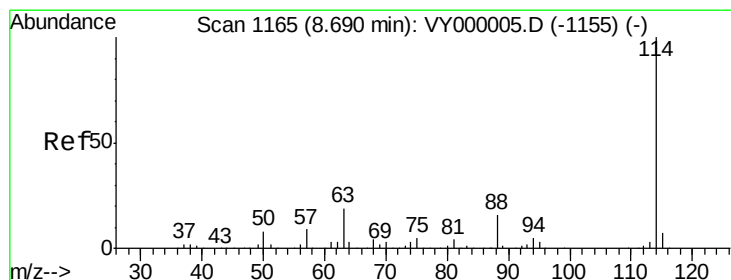
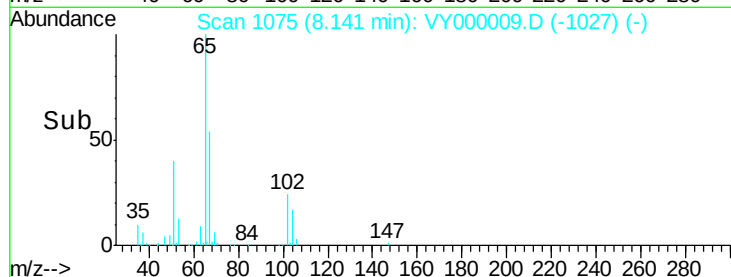
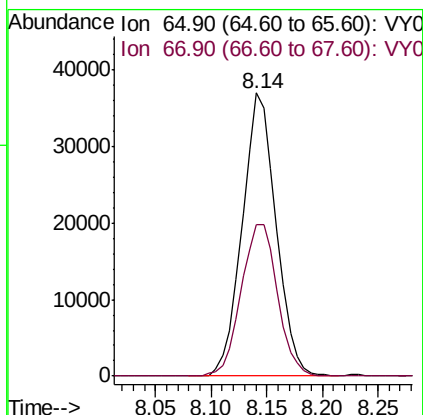
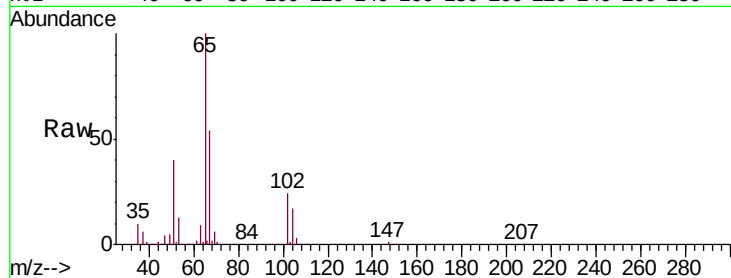




#33
 1,2-Dichloroethane-d4
 Concen: 53.897 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VY000009.D
 Acq: 11 Sep 2019 19:35

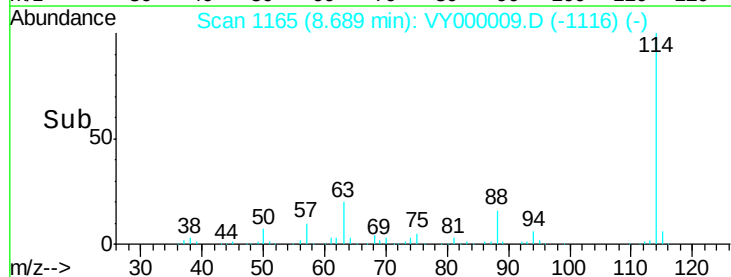
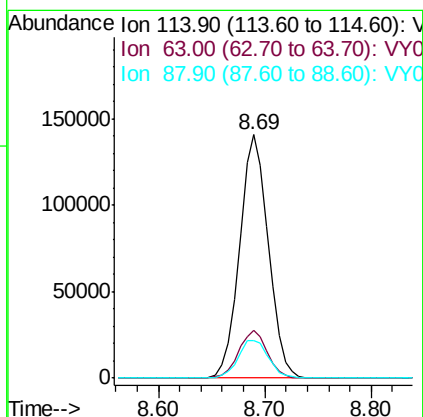
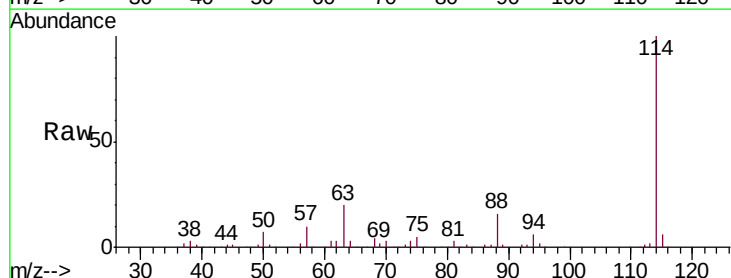
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBL01

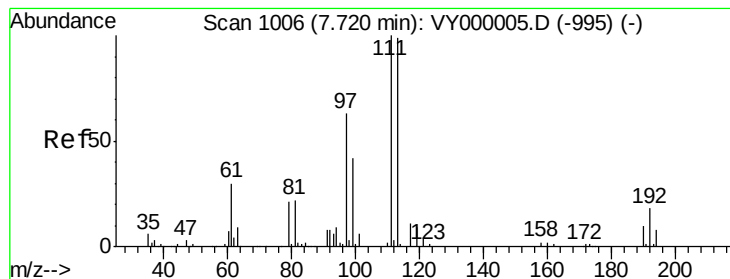
Tgt Ion: 65 Resp: 78013
 Ion Ratio Lower Upper
 65 100
 67 57.6 0.0 111.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000009.D
 Acq: 11 Sep 2019 19:35

Tgt Ion: 114 Resp: 266259
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.4
 88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.359 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBL01

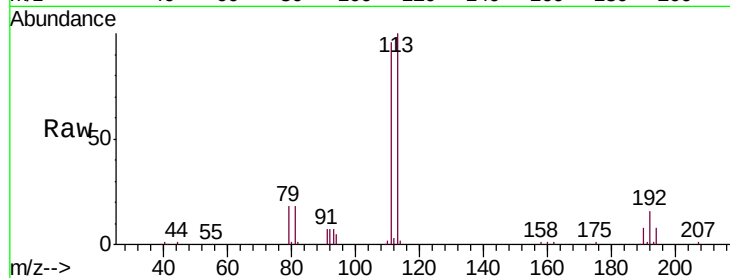
Tgt Ion:113 Resp: 79421

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

192 17.2 15.2 22.8

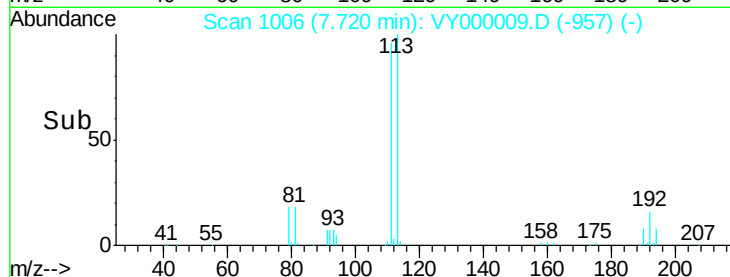


Abundance Ion 112.80 (112.50 to 113.50): V

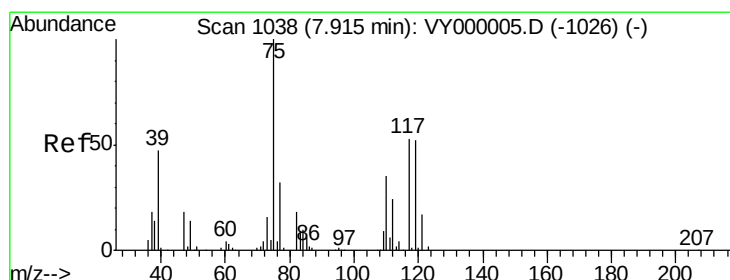
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

Time-->



Time-->



#36

1,1-Dichloropropene

Concen: 6.536 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.12 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

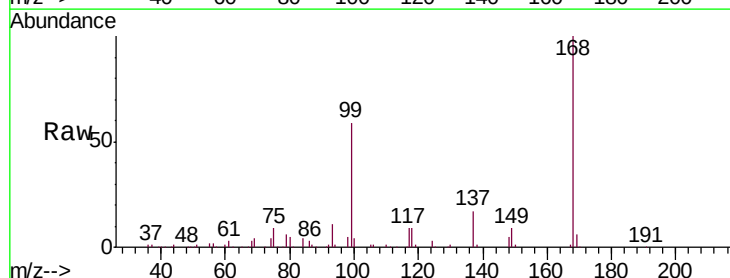
Tgt Ion: 75 Resp: 12580

Ion Ratio Lower Upper

75 100

110 8.1 18.7 56.1#

77 0.0 25.6 38.4#

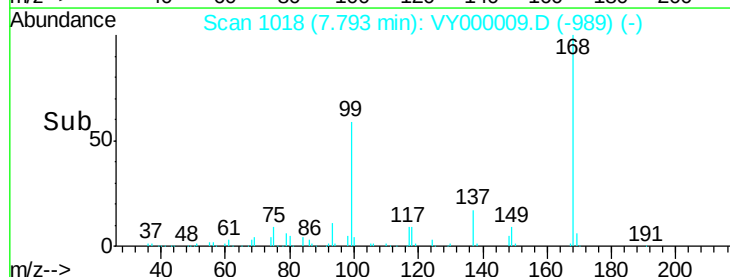


Abundance Ion 74.90 (74.60 to 75.60): VY0

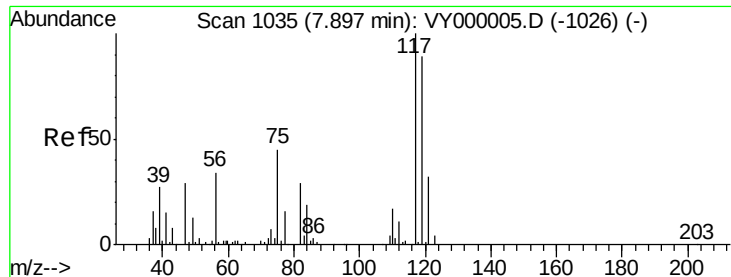
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 7.763 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.11 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBL01

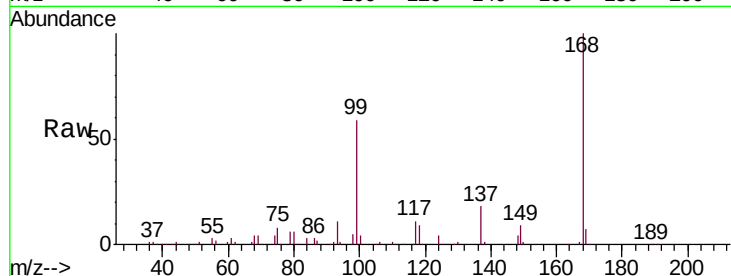
Tgt Ion:117 Resp: 14344

Ion Ratio Lower Upper

117 100

119 4.2 71.5 107.3#

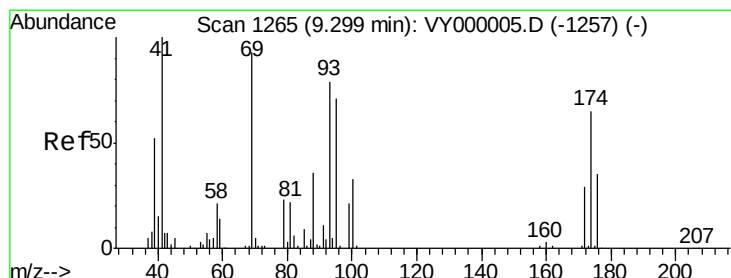
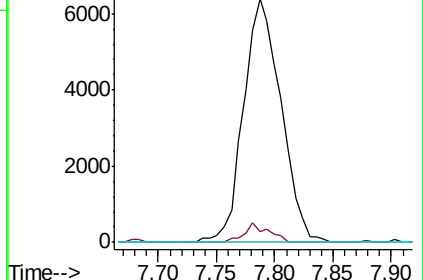
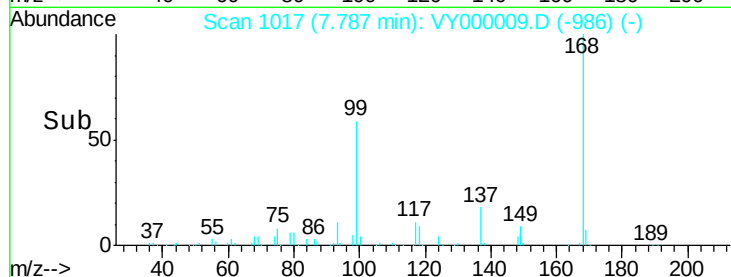
121 0.0 25.3 37.9#



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: 1.065 ug/l

RT: 9.27 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

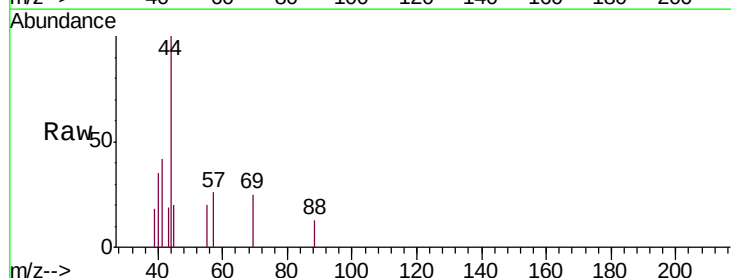
Tgt Ion: 88 Resp: 18

Ion Ratio Lower Upper

88 100

43 661.1 23.4 35.2#

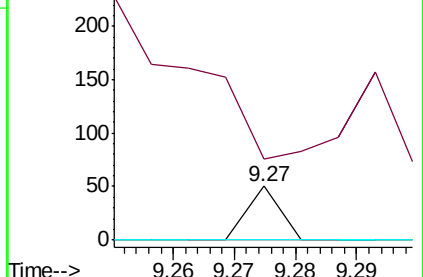
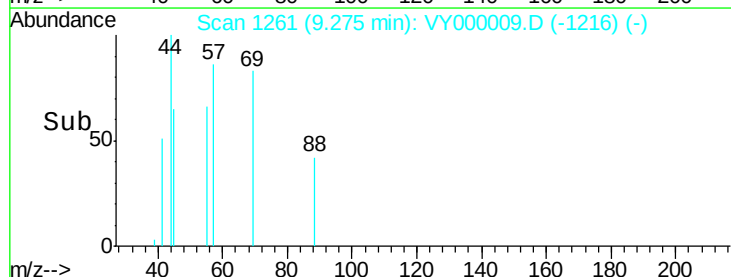
58 0.0 46.1 69.1#

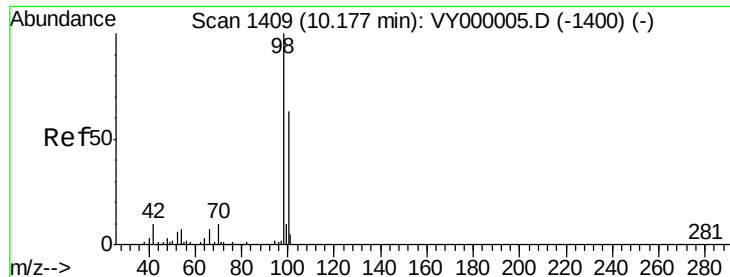


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

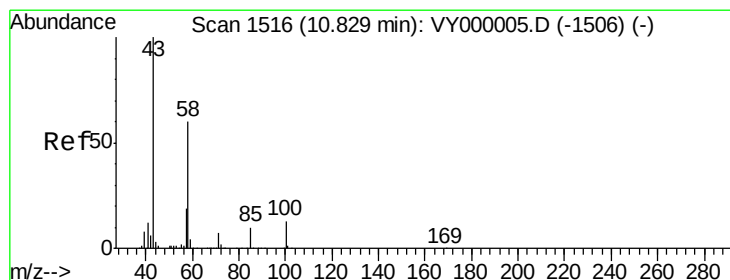
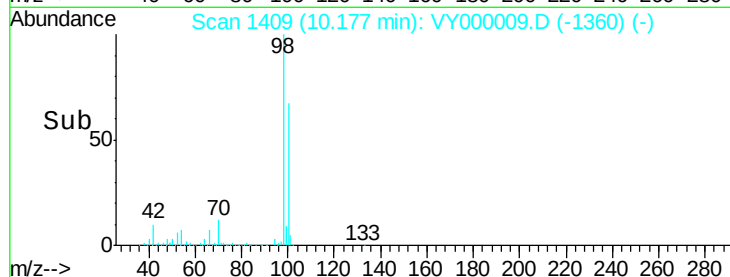
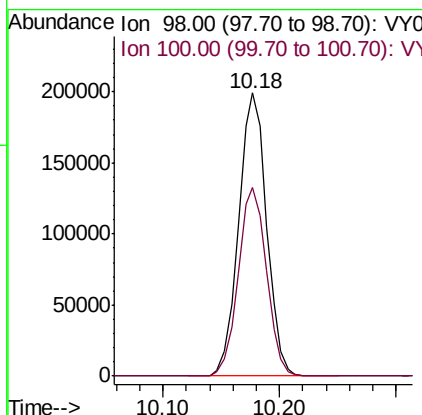
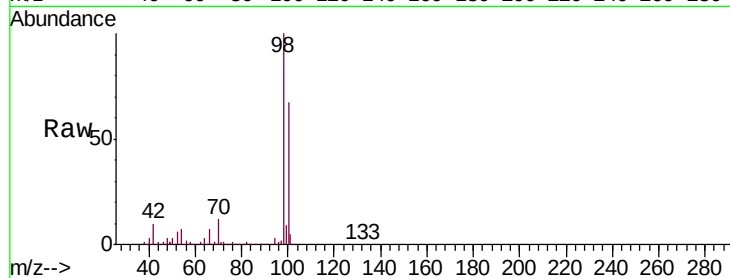




#50
Toluene-d8
Concen: 54.807 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000009.D
Acq: 11 Sep 2019 19:35

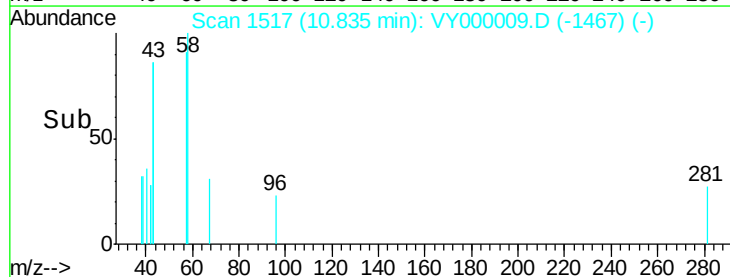
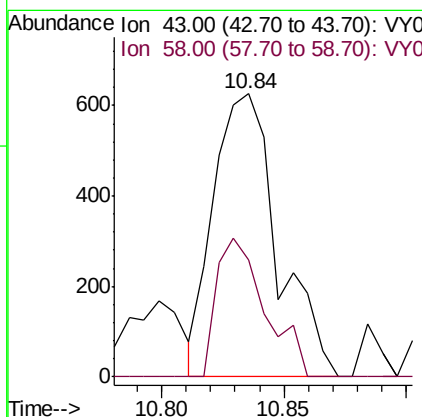
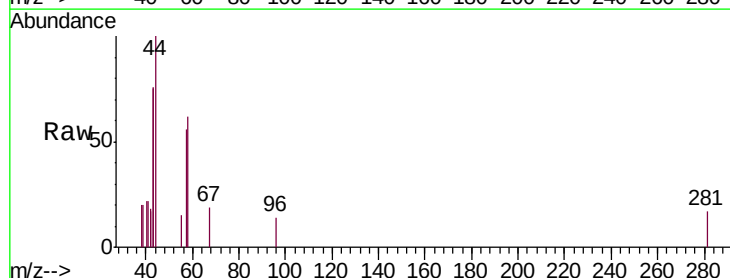
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBL01

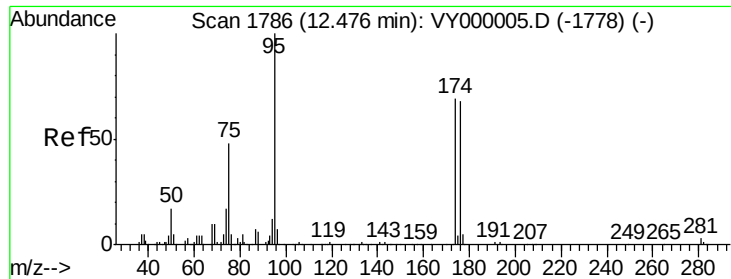
Tgt Ion: 98 Resp: 333153
Ion Ratio Lower Upper
98 100
100 67.2 52.2 78.4



#59
2-Hexanone
Concen: 1.208 ug/l
RT: 10.84 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY000009.D
Acq: 11 Sep 2019 19:35

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 37.1 29.8 89.5

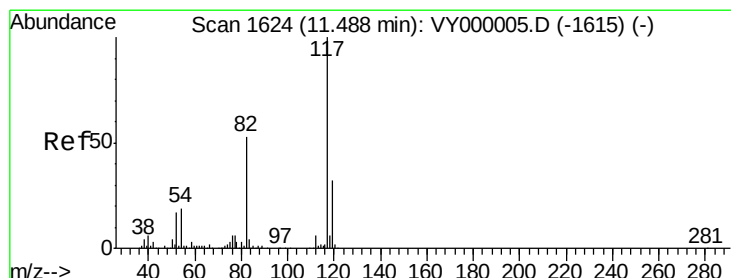
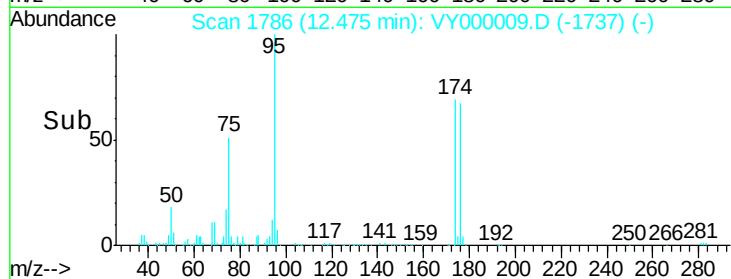
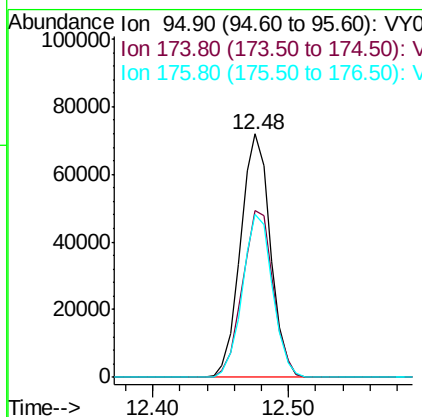
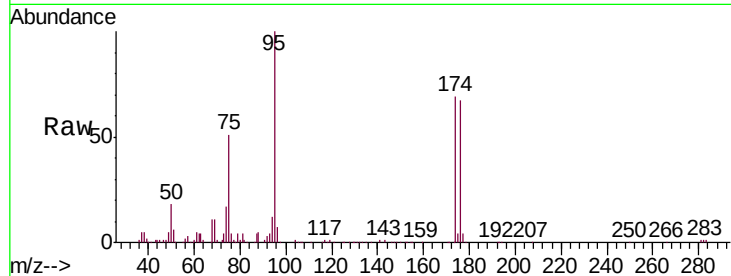




#62
4-Bromofluorobenzene
Concen: 51.161 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000009.D
Acq: 11 Sep 2019 19:35

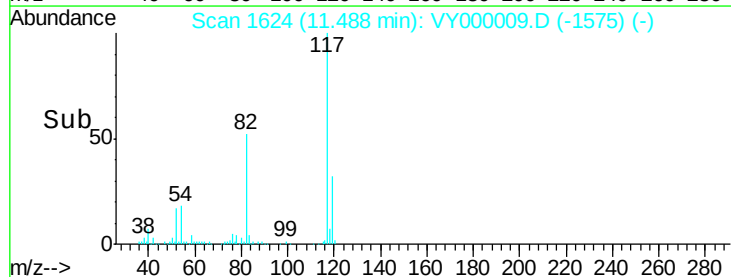
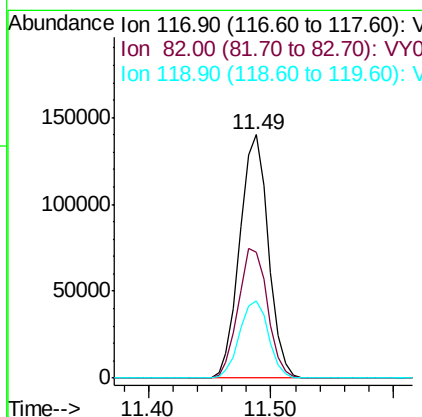
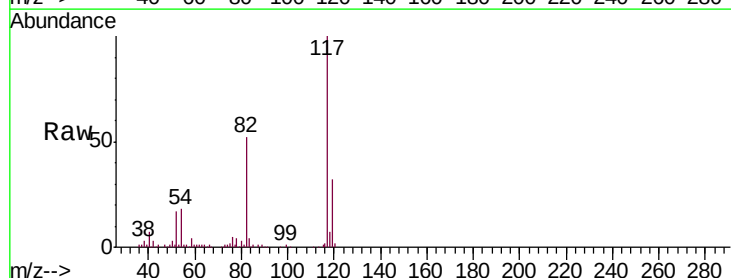
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBL01

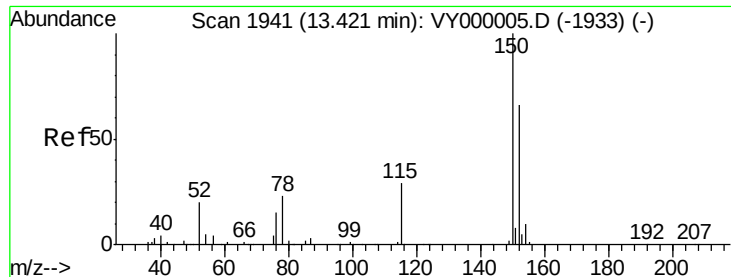
Tgt Ion	Resp	Lower	Upper
95	110225		
174	70.8	0.0	145.8
176	67.7	0.0	138.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000009.D
Acq: 11 Sep 2019 19:35

Tgt Ion	Resp	Lower	Upper
117	227119		
82	51.5	42.3	63.5
119	31.7	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBL01

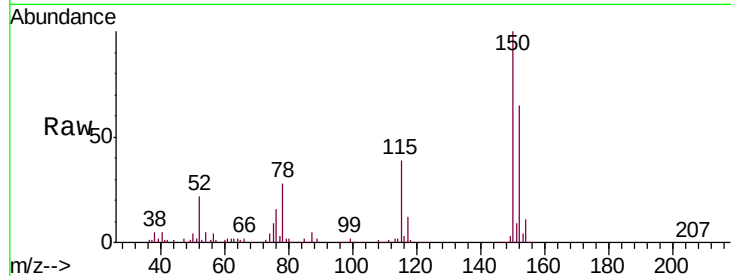
Tgt Ion:152 Resp: 95298

Ion Ratio Lower Upper

152 100

115 61.9 30.3 91.0

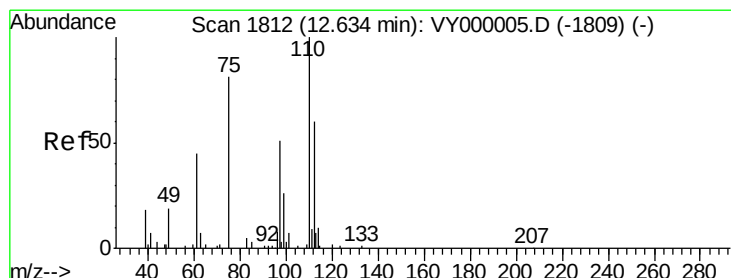
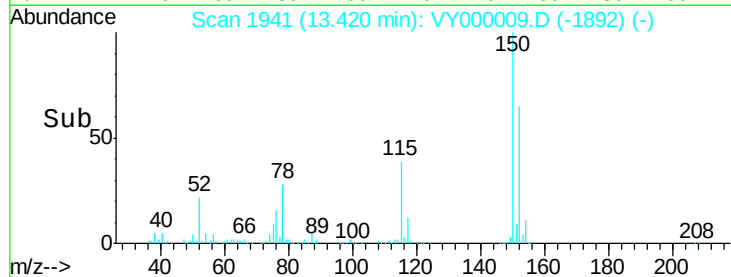
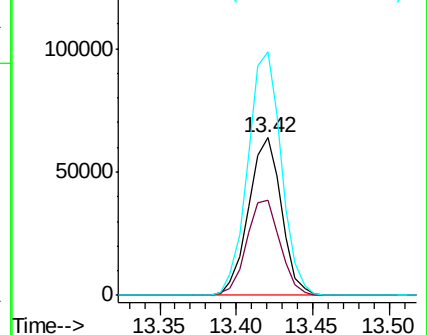
150 157.2 0.0 347.4



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: 48.347 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000009.D

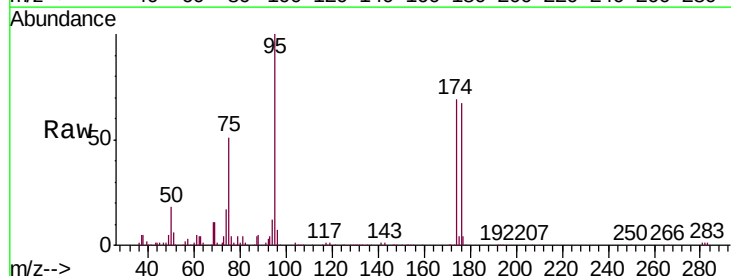
Acq: 11 Sep 2019 19:35

Tgt Ion: 75 Resp: 54370

Ion Ratio Lower Upper

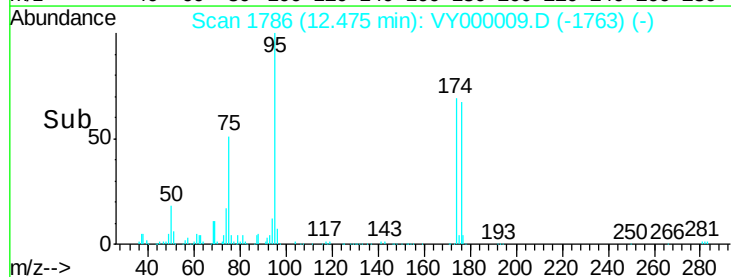
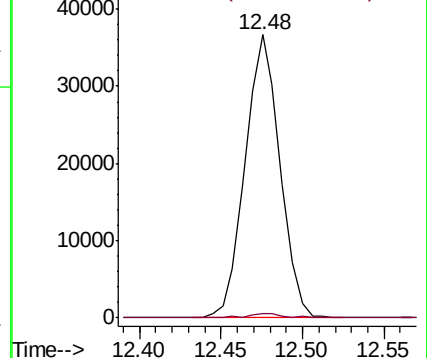
75 100

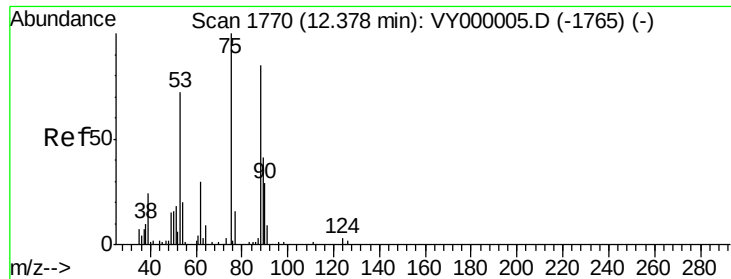
77 1.7 0.0 0.0#



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: 83.687 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000009.D

Acq: 11 Sep 2019 19:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBL01

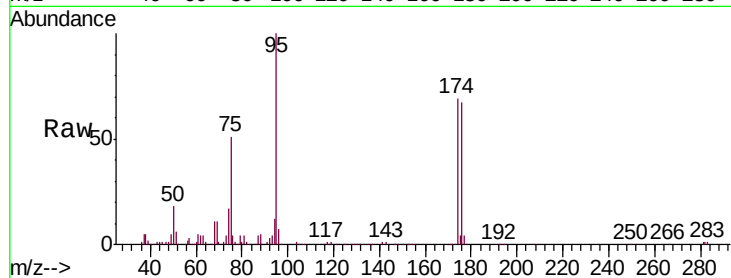
Tgt Ion: 75 Resp: 54370

Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.6#

89 0.1 34.6 52.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

