

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001746.D
 Acq On : 21 Feb 2020 16:33
 Operator : SY/MD
 Sample : L1623-11
 Misc : 8.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:43:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	158964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	298226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	272415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	121414	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	102217	59.78	ug/l	0.00
Spiked Amount			Recovery	=	119.56%	
35) Dibromofluoromethane	7.75	113	86800	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.20	98	358505	53.57	ug/l	0.00
Spiked Amount			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	12.50	95	124390	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	65	Below Cal	#	74
16) Acetone	3.97	43	5238	8.853	ug/l	96
20) Methylene Chloride	4.75	84	11637	5.537	ug/l	96
31) Cyclohexane	7.82	56	3925	1.093	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13610	4.778	ug/l #	49
38) Carbon Tetrachloride	7.81	117	16204	6.476	ug/l #	17
51) 4-Methyl-2-Pentanone	10.19	43	1672	1.009	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	64063	45.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	64063	87.263	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Instrument :

MSVOA_Y

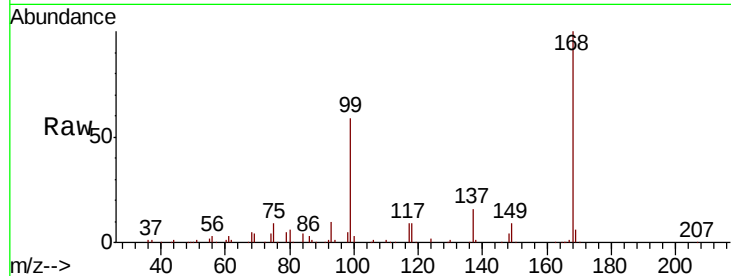
ClientSampleId :

Tot Ion:168 Resp: 158964

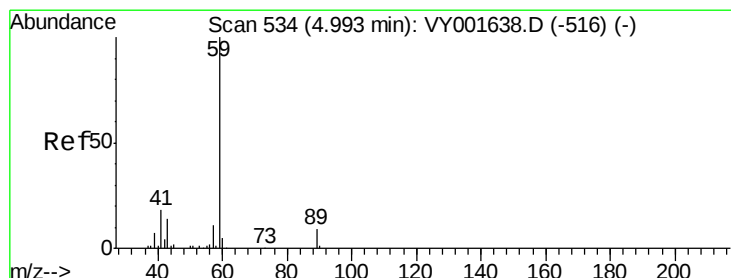
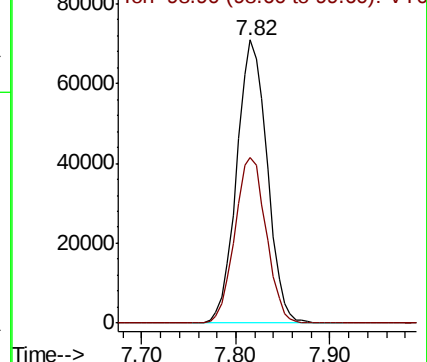
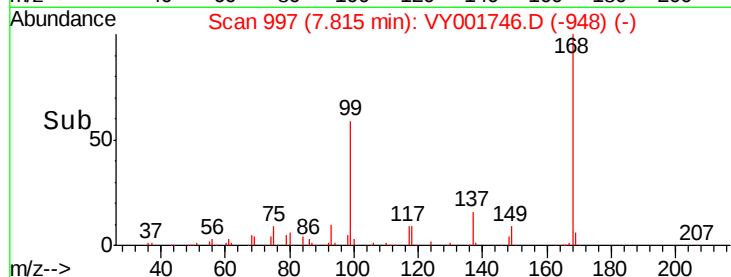
Ion Ratio Lower Upper

168 100

99 58.5 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001746.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY001746.D

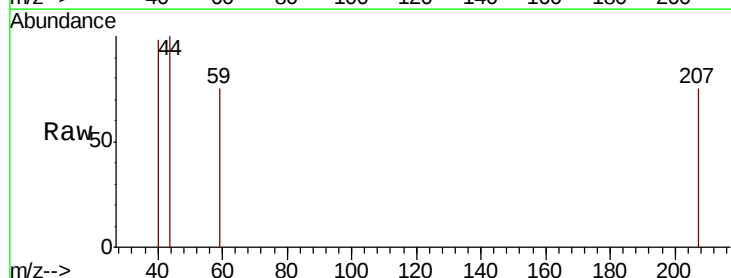
Acq: 21 Feb 2020 16:33

Tgt Ion: 59 Resp: 65

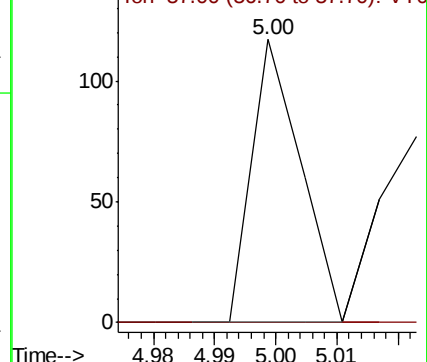
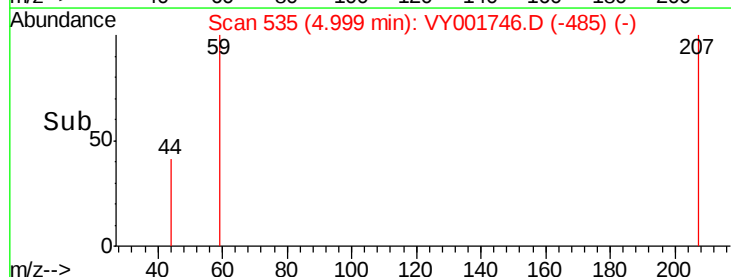
Ion Ratio Lower Upper

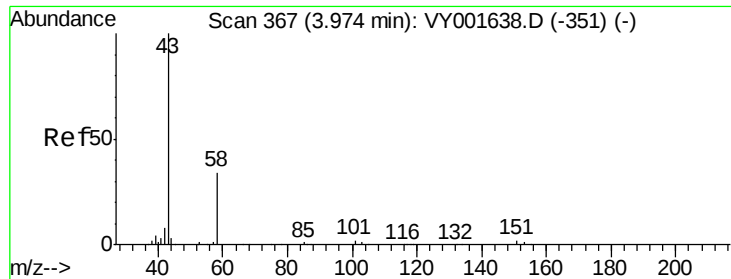
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001746.D (-485) (-)





#16

Acetone

Concen: 8.853 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Instrument :

MSVOA_Y

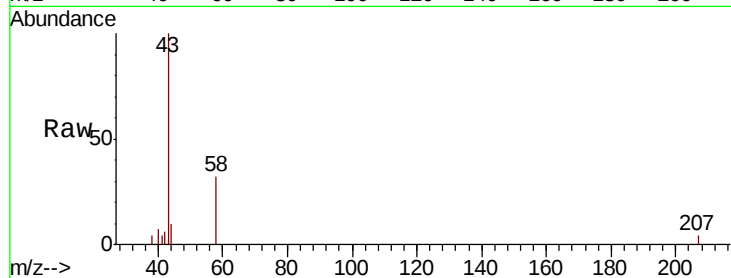
ClientSampleId :

Tot Ion: 43 Resp: 5238

Ion Ratio Lower Upper

43 100

58 32.0 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

3.97

2000

1500

1000

500

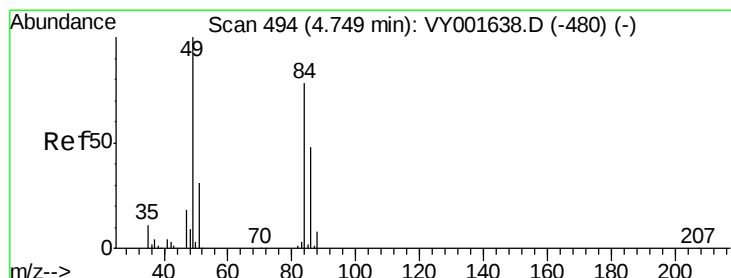
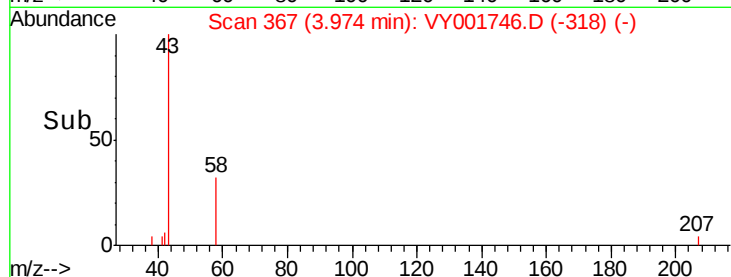
0

Time-->

3.90

4.00

4.10



#20

Methylene Chloride

Concen: 5.537 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.00 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Tgt Ion: 84 Resp: 11637

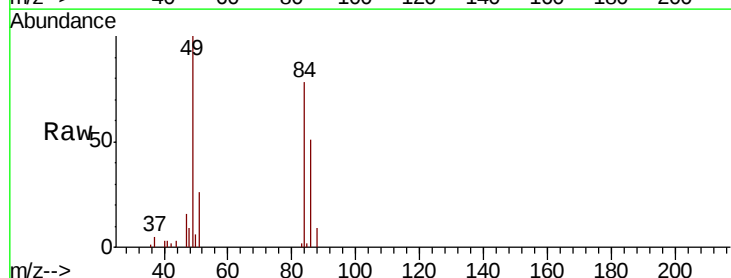
Ion Ratio Lower Upper

84 100

49 128.0 99.2 148.8

51 32.9 31.5 47.3

86 64.7 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)

4.75

6000

4000

2000

0

Time-->

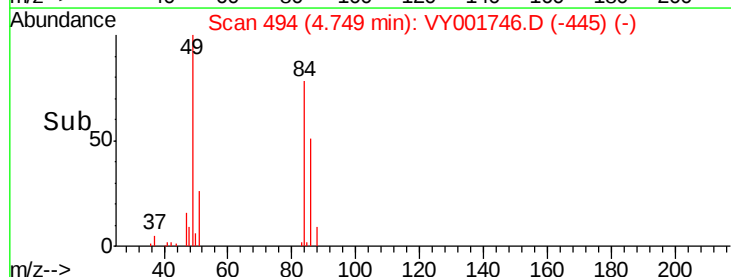
4.65

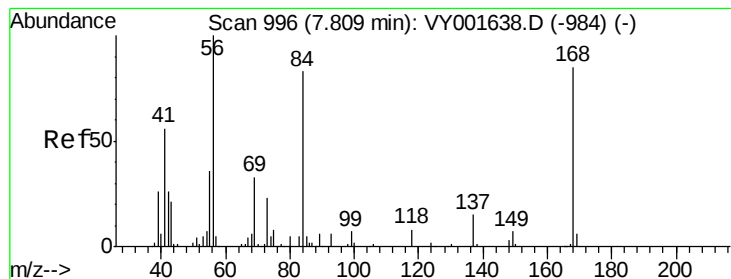
4.70

4.75

4.80

4.85





#31

Cyclohexane

Concen: 1.093 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Instrument :
MSVOA_Y
ClientSampled :

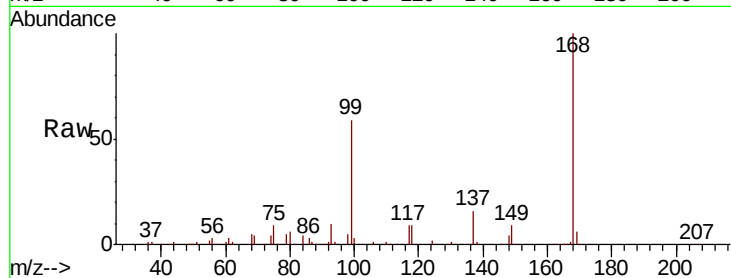
Tot Ion: 56 Resp: 3925

Ion Ratio Lower Upper

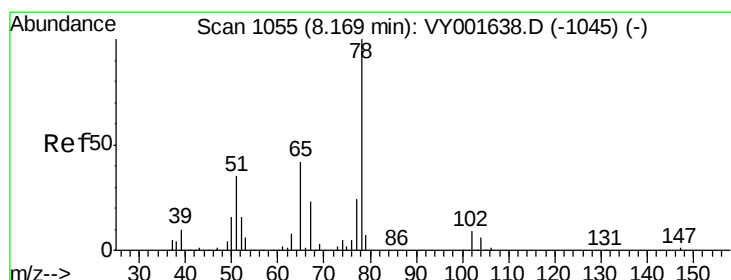
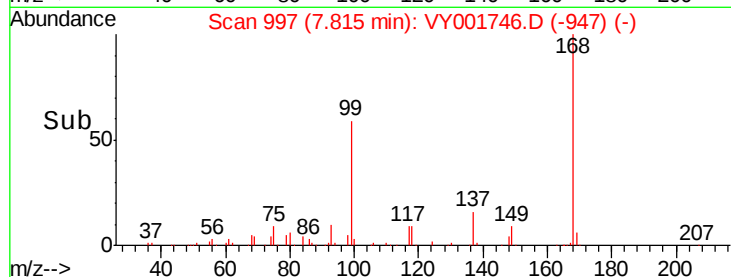
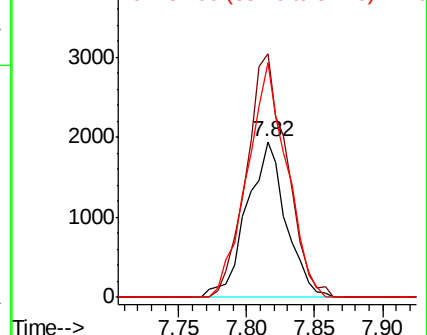
56 100

69 156.1 25.1 37.7#

84 150.8 66.9 100.3#



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: 59.780 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY001746.D

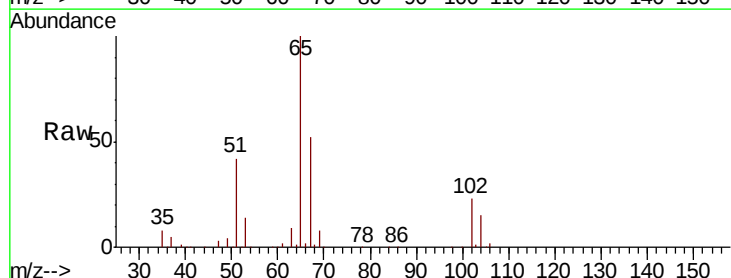
Acq: 21 Feb 2020 16:33

Tgt Ion: 65 Resp: 102217

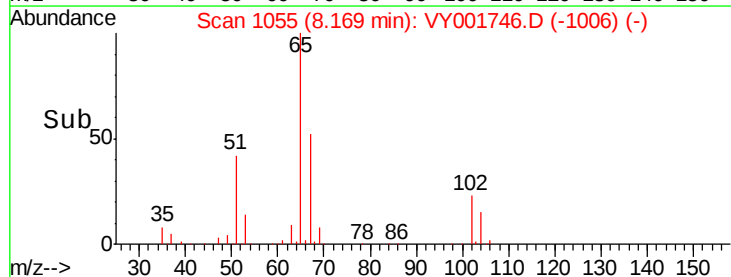
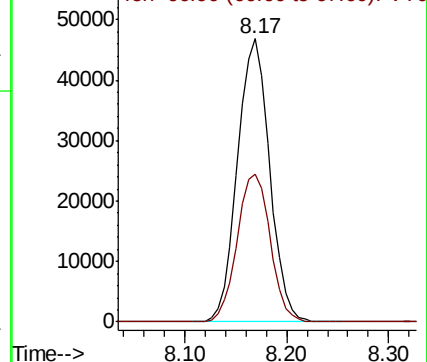
Ion Ratio Lower Upper

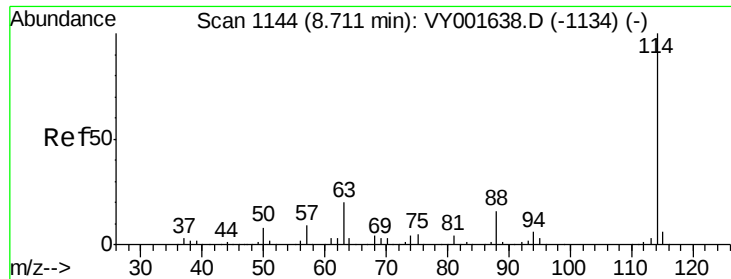
65 100

67 53.8 0.0 111.0



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

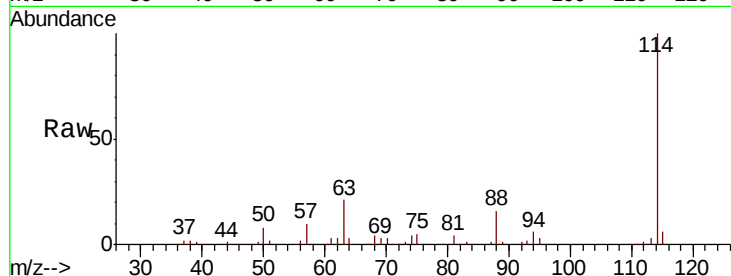




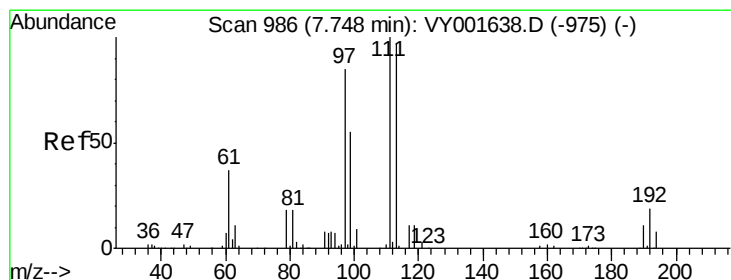
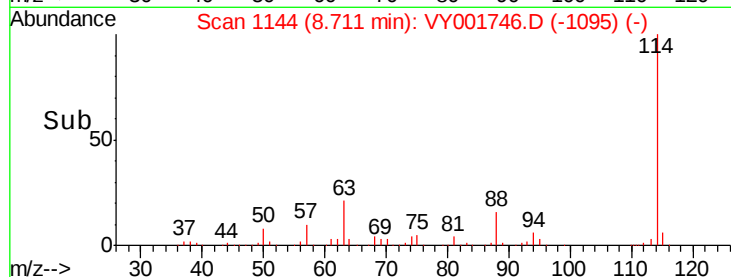
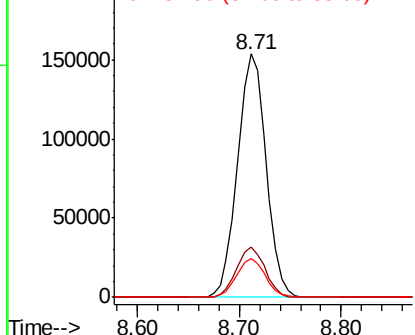
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001746.D
 Acq: 21 Feb 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 298226
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.8 0.0 32.8

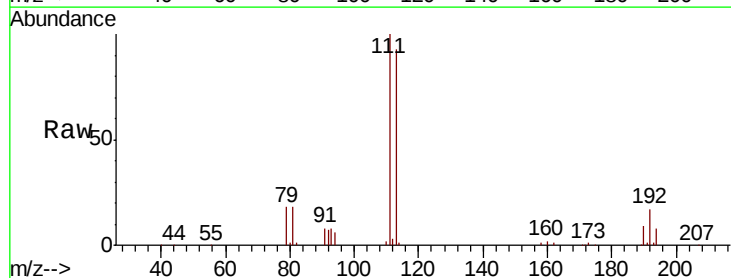


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

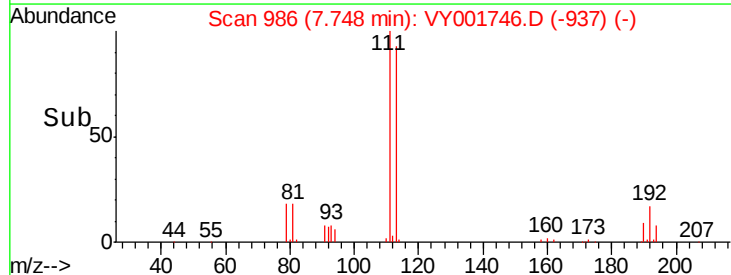
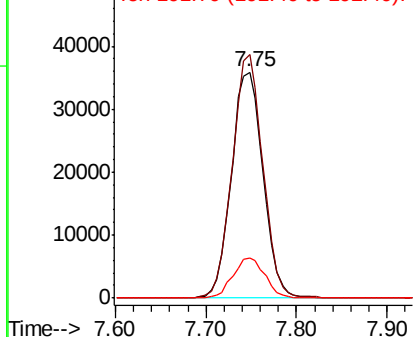


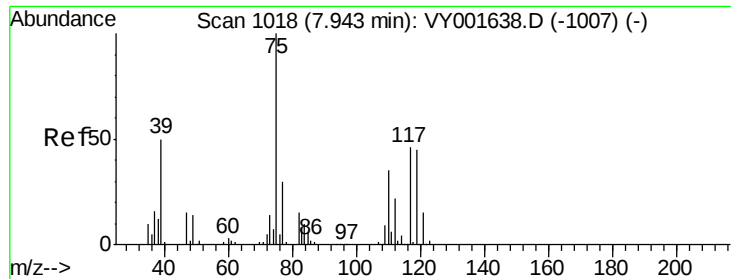
#35
 Dibromofluoromethane
 Concen: 50.816 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY001746.D
 Acq: 21 Feb 2020 16:33

Tgt Ion:113 Resp: 86800
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.9 122.9
 192 18.1 14.3 21.5



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: 4.778 ug/l

RT: 7.82 min Scan# 997

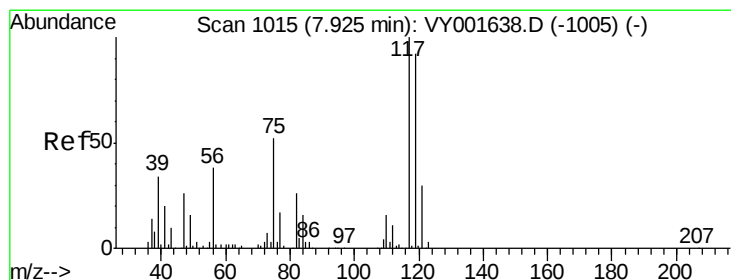
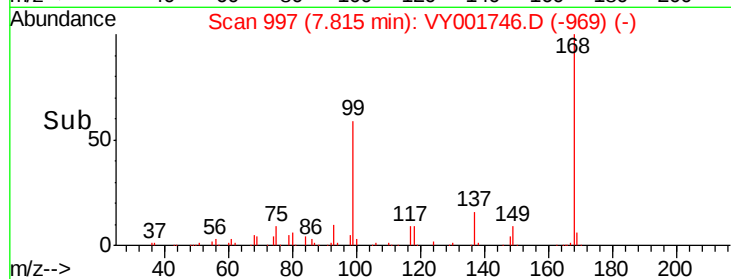
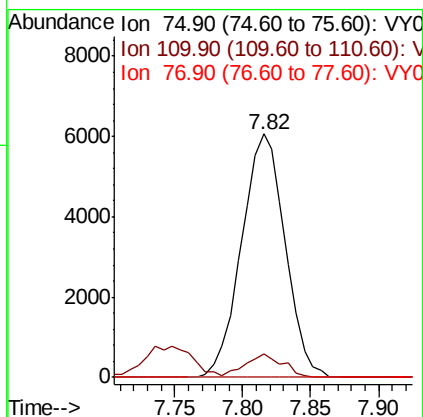
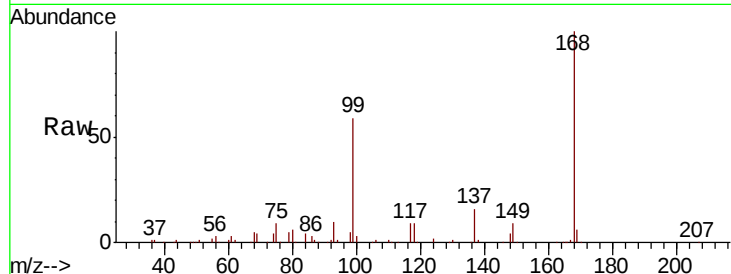
Delta R.T. -0.13 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	75	Resp:	13610
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.2	51.6#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.476 ug/l

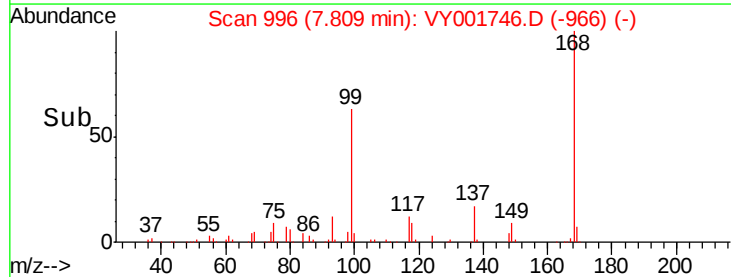
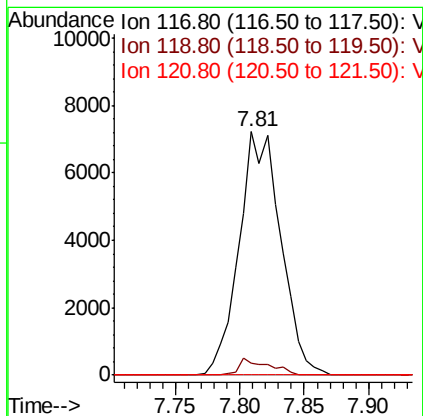
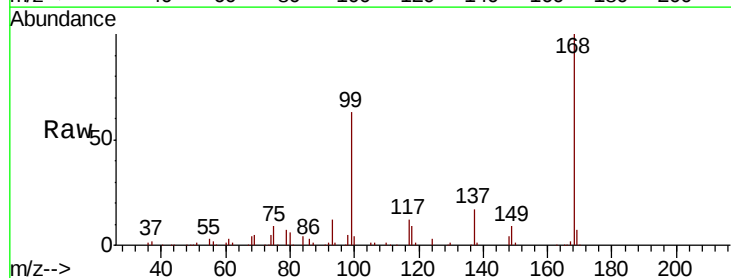
RT: 7.81 min Scan# 996

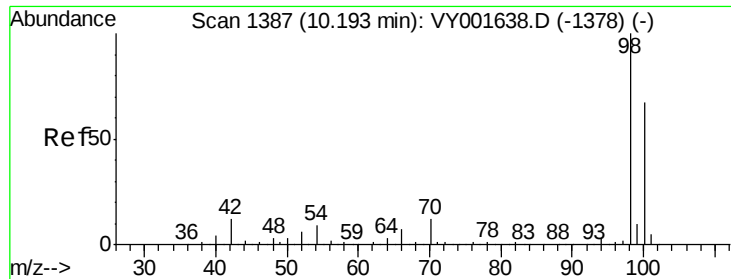
Delta R.T. -0.12 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Tgt Ion:	117	Resp:	16204
Ion	Ratio	Lower	Upper
117	100		
119	4.7	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 53.573 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Instrument :

MSVOA_Y

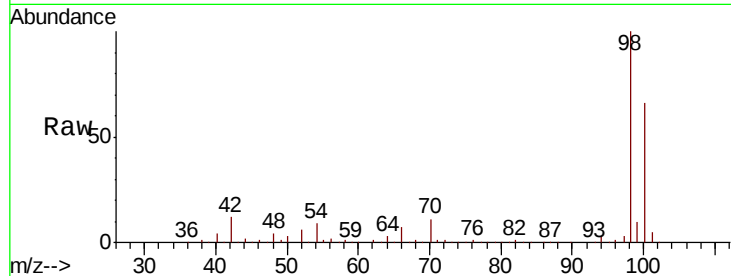
ClientSampleId :

Tot Ion: 98 Resp: 358505

Ion Ratio Lower Upper

98 100

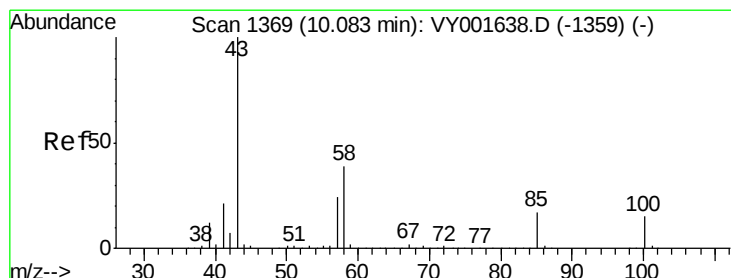
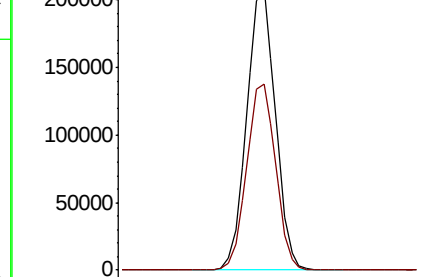
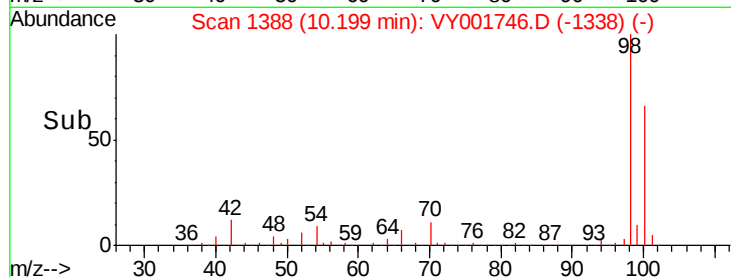
100 66.8 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001638.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001638.D (-1378) (-)

10.20



#51

4-Methyl-2-Pentanone

Concen: 1.009 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001746.D

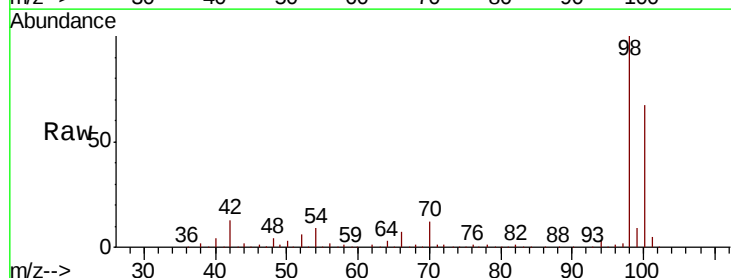
Acq: 21 Feb 2020 16:33

Tgt Ion: 43 Resp: 1672

Ion Ratio Lower Upper

43 100

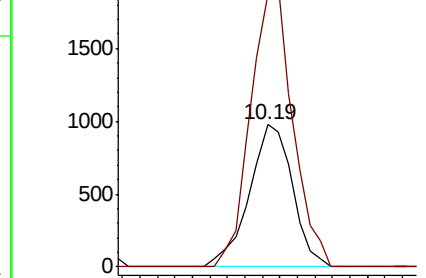
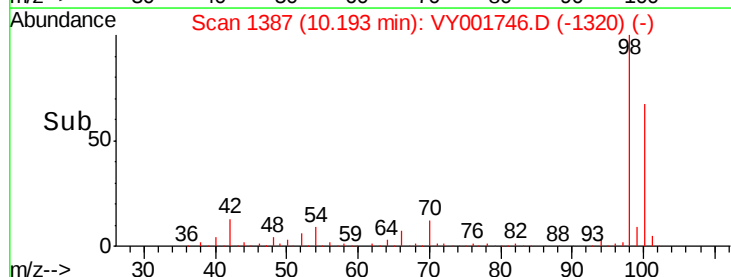
58 192.9 32.2 48.4#

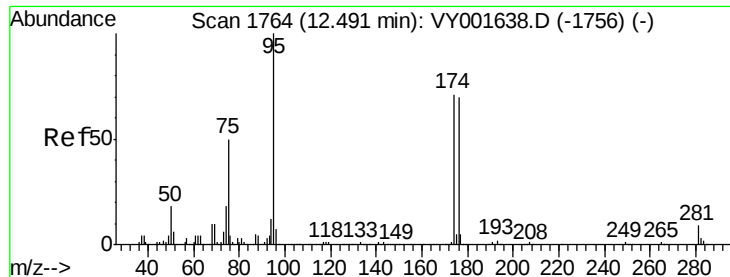


Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-1359) (-)

10.19

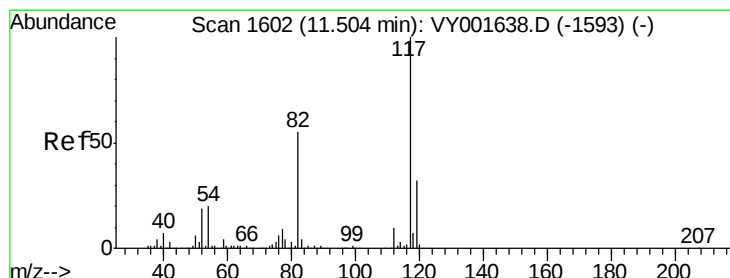
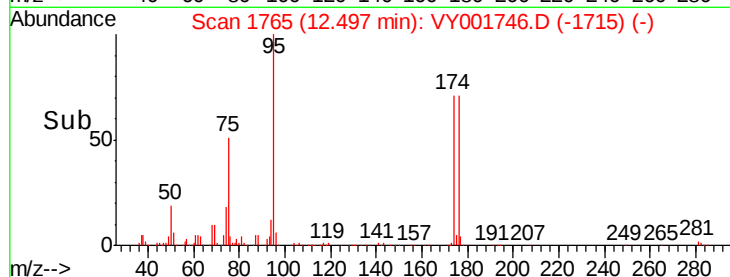
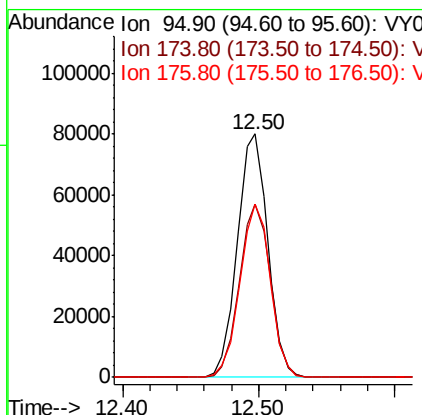
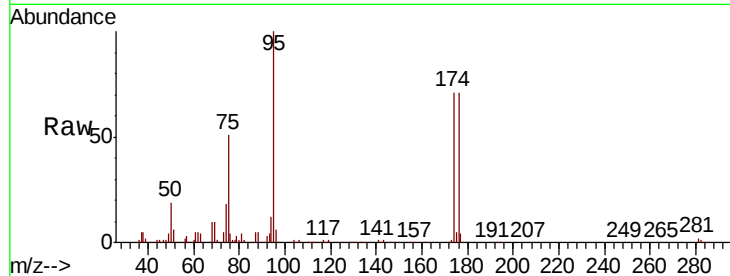




#62
4-Bromofluorobenzene
Concen: 47.847 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001746.D
Acq: 21 Feb 2020 16:33

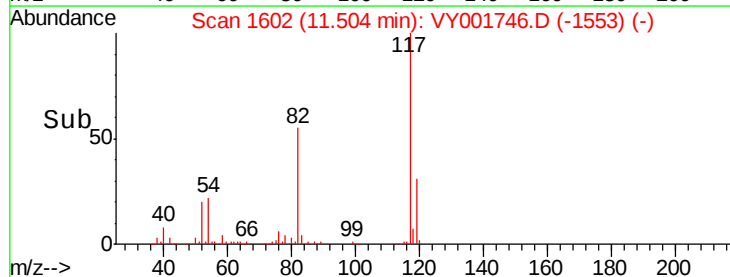
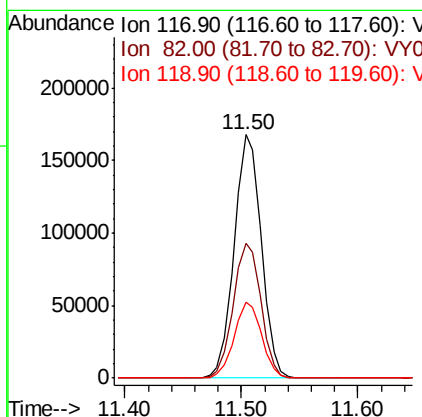
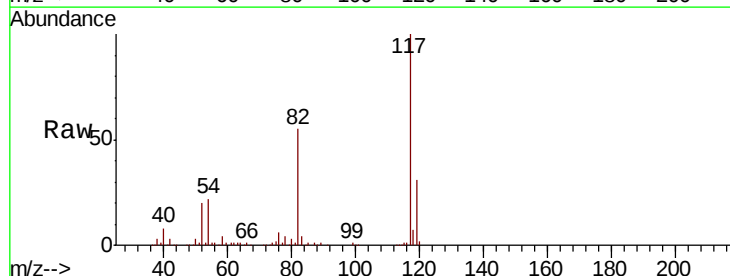
Instrument :
MSVOA_Y
ClientSampleId :

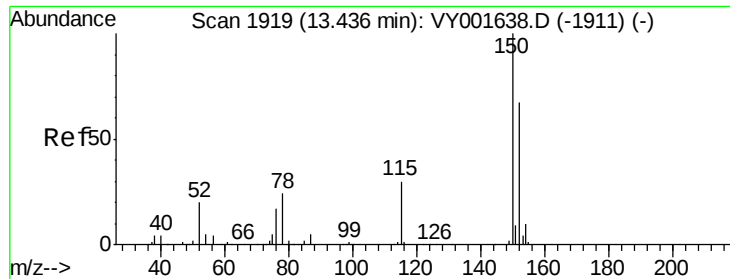
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	138.4
176	71.4	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001746.D
Acq: 21 Feb 2020 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.5	68.3
119	31.1	25.8	38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

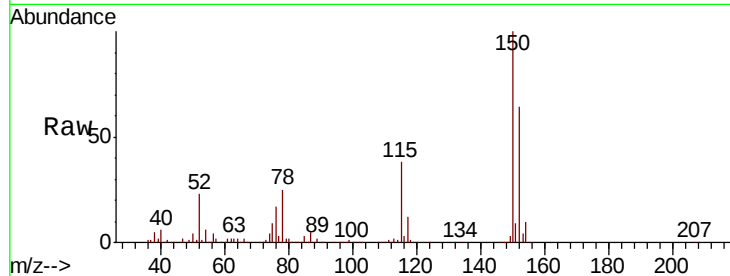
Tot Ion:152 Resp: 121414

Ion Ratio Lower Upper

152 100

115 61.0 31.4 94.2

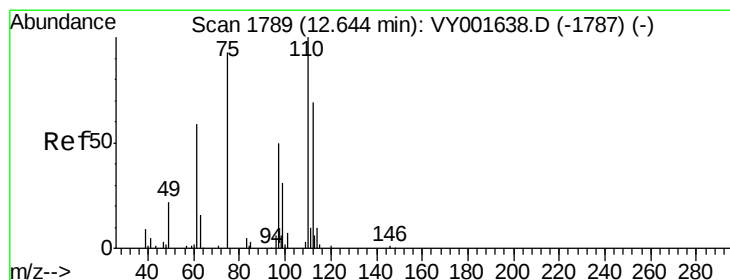
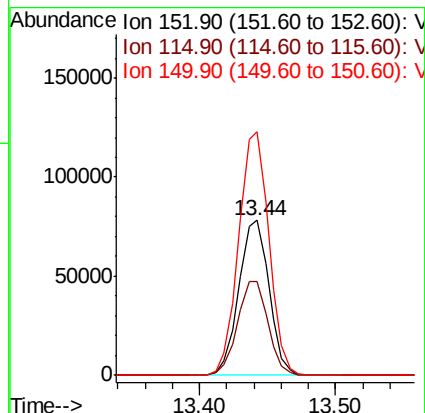
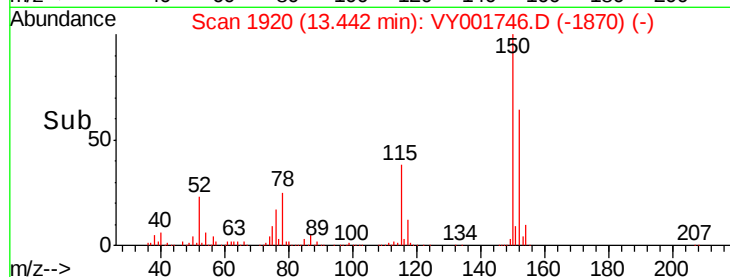
150 157.1 0.0 407.2



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: 45.997 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001746.D

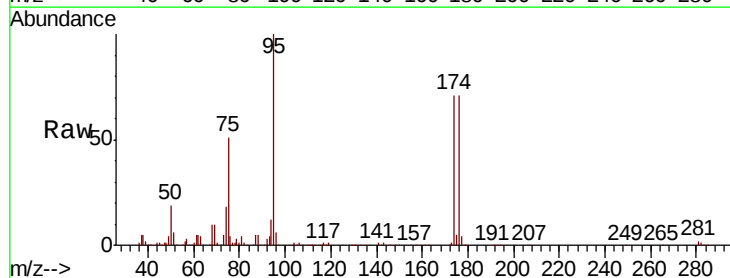
Acq: 21 Feb 2020 16:33

Tgt Ion: 75 Resp: 64063

Ion Ratio Lower Upper

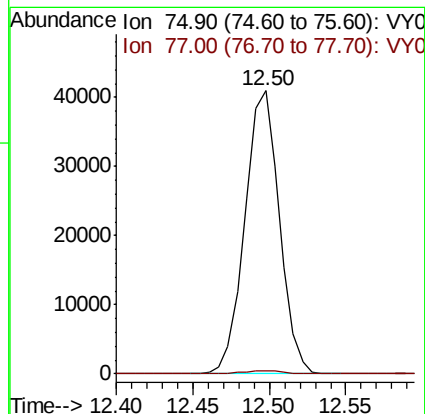
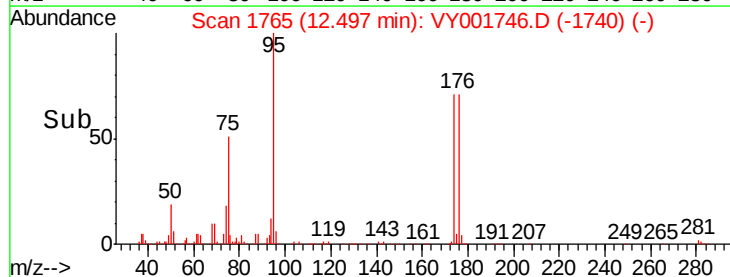
75 100

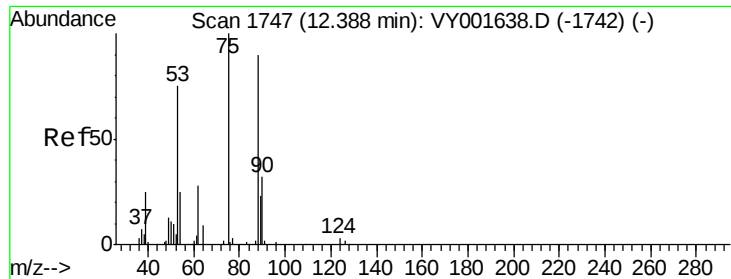
77 1.4 0.0 0.0#



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: 87.263 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001746.D

Acq: 21 Feb 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

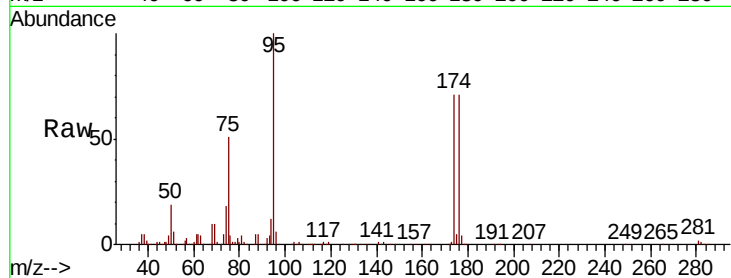
Tot Ion: 75 Resp: 64063

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.0 36.3 54.5#



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

