

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002410.D
 Acq On : 17 Apr 2020 19:18
 Operator : SY/MD
 Sample : L2283-02
 Misc : 4.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:40:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

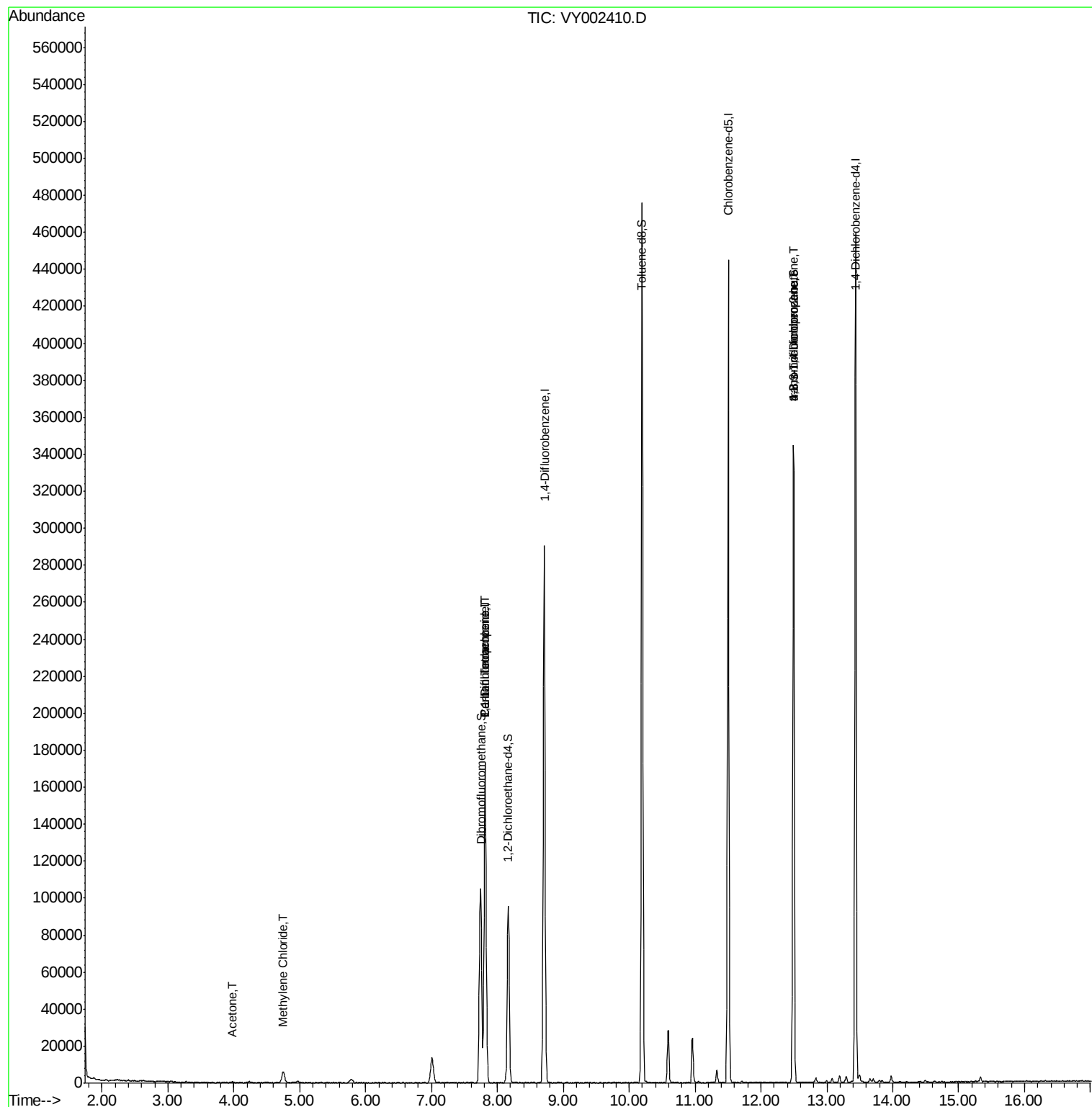
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	136114	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	272283	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	261111	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	119046	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	67618	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	7.74	113	78436	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.19	98	327779	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.49	95	111149	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	624	Below Cal	#	77
16) Acetone	3.98	43	788	1.977	ug/l	97
20) Methylene Chloride	4.75	84	5129	2.617	ug/l	85
36) 1,1-Dichloropropene	7.82	75	10263	3.827	ug/l #	50
38) Carbon Tetrachloride	7.82	117	13362	5.825	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	50893	36.815	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	50893	71.605	ug/l #	19

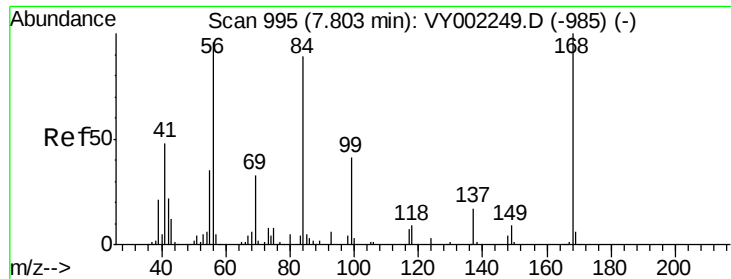
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002410.D

Acq: 17 Apr 2020 19:18

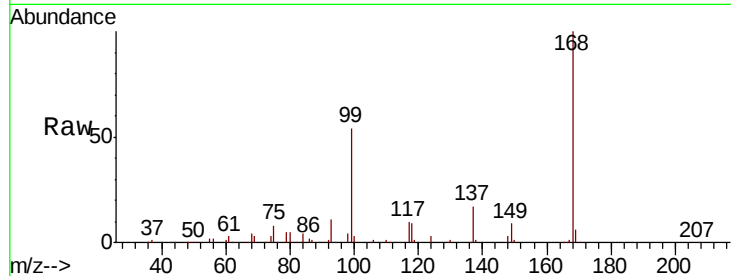
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 136114

Ion Ratio Lower Upper

168 100

99 54.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.82

60000

40000

20000

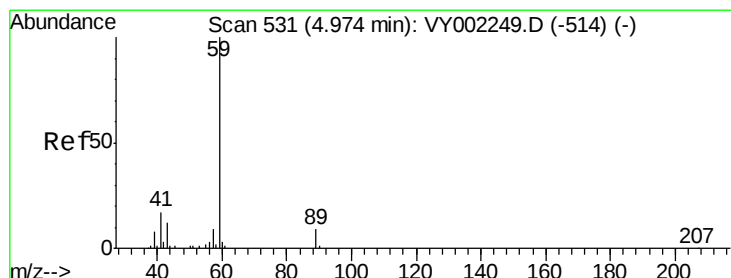
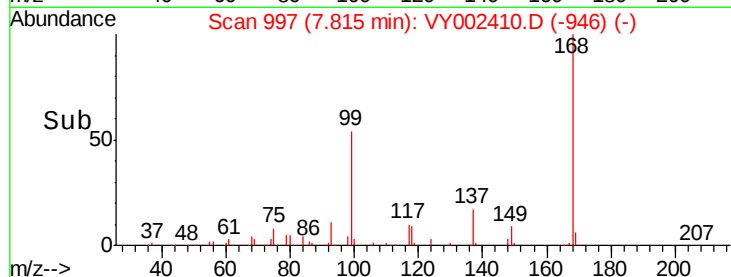
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. 0.00 min

Lab File: VY002410.D

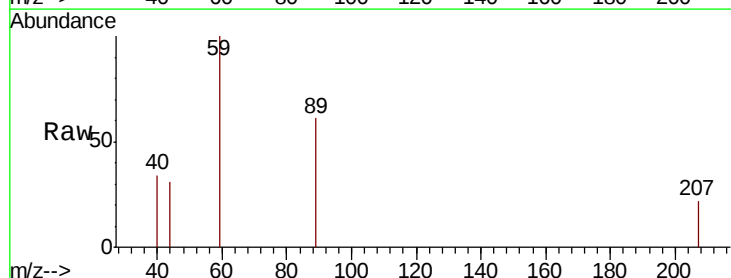
Acq: 17 Apr 2020 19:18

Tgt Ion: 59 Resp: 624

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

4.97

400

300

200

100

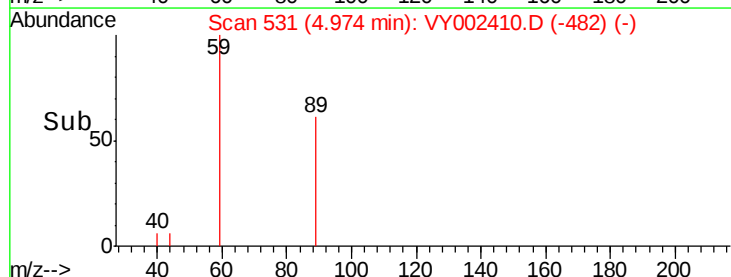
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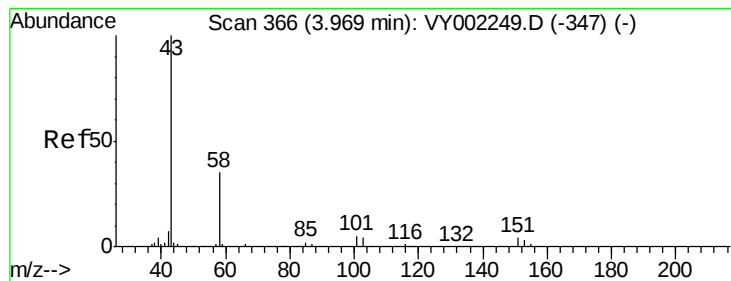
Time-->

4.95

5.00

5.05





#16

Acetone

Concen: 1.977 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.01 min

Lab File: VY002410.D

Acq: 17 Apr 2020 19:18

Instrument :

MSVOA_Y

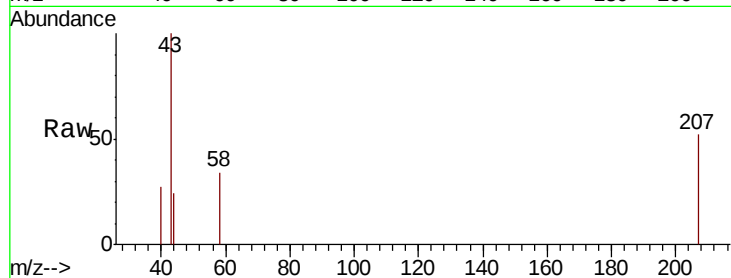
ClientSampleId :

Tot Ion: 43 Resp: 788

Ion Ratio Lower Upper

43 100

58 33.9 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VY002249.D (-347) (-)

Ion 58.00 (57.70 to 58.70): VY002249.D (-347) (-)

3.98

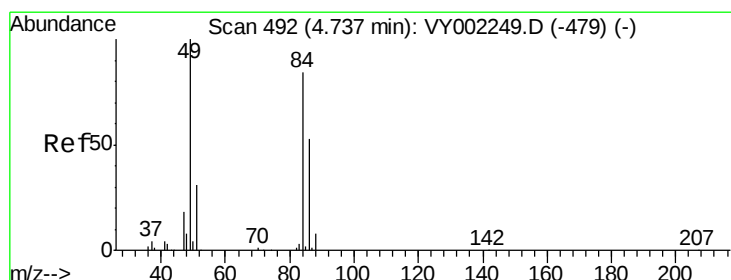
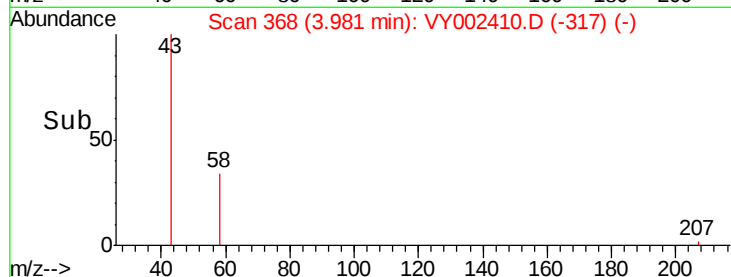
300

200

100

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 2.617 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.01 min

Lab File: VY002410.D

Acq: 17 Apr 2020 19:18

Tgt Ion: 84 Resp: 5129

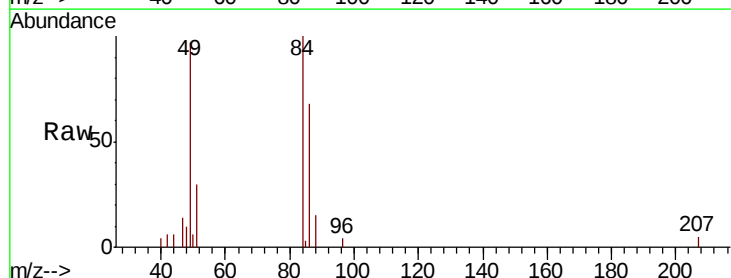
Ion Ratio Lower Upper

84 100

49 97.4 95.5 143.3

51 29.5 29.5 44.3

86 68.0 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VY002249.D (-479) (-)

Ion 48.90 (48.60 to 49.60): VY002249.D (-479) (-)

Ion 50.90 (50.60 to 51.60): VY002249.D (-479) (-)

Ion 85.90 (85.60 to 86.60): VY002249.D (-479) (-)

4.75

2500

2000

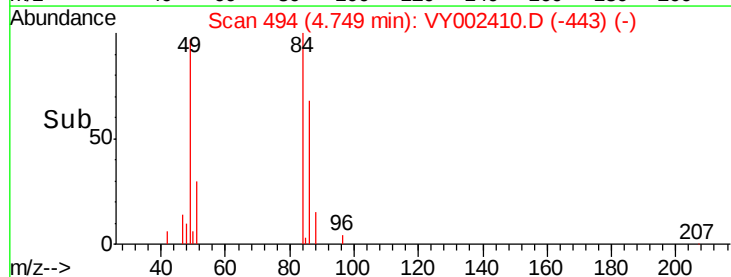
1500

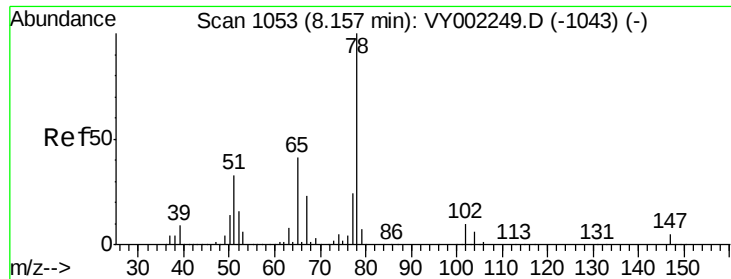
1000

500

0

Time--> 4.65 4.70 4.75 4.80 4.85





#33

1,2-Dichloroethane-d4

Concen: 44.671 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VY002410.D

Acq: 17 Apr 2020 19:18

Instrument :

MSVOA_Y

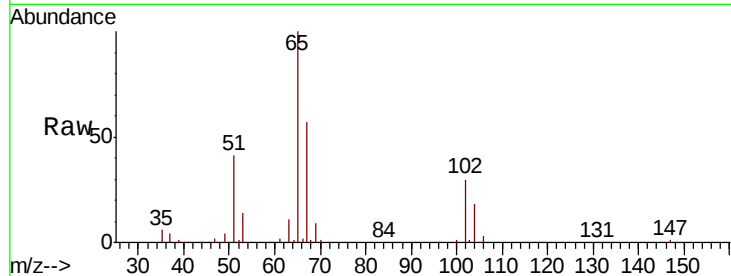
ClientSampleId :

Tot Ion: 65 Resp: 67618

Ion Ratio Lower Upper

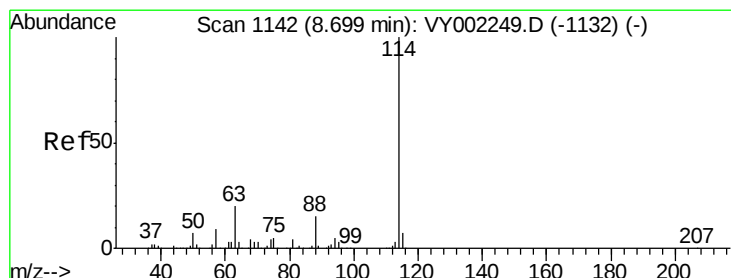
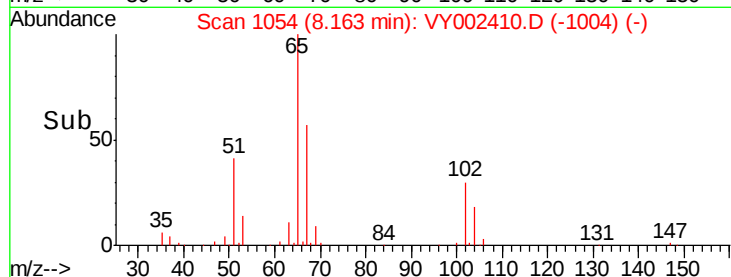
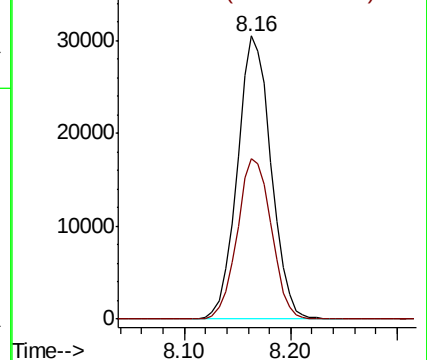
65 100

67 57.6 0.0 114.0



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. 0.01 min

Lab File: VY002410.D

Acq: 17 Apr 2020 19:18

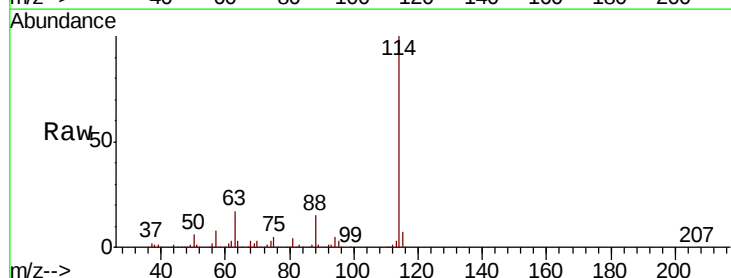
Tgt Ion: 114 Resp: 272283

Ion Ratio Lower Upper

114 100

63 16.7 0.0 39.0

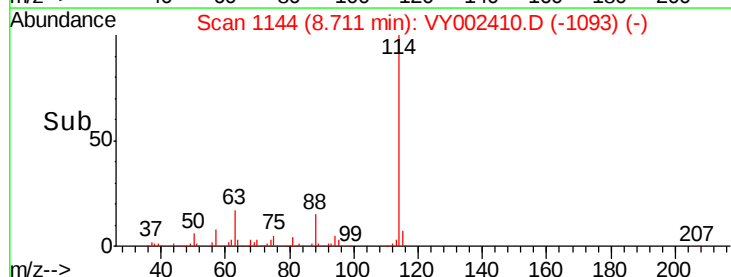
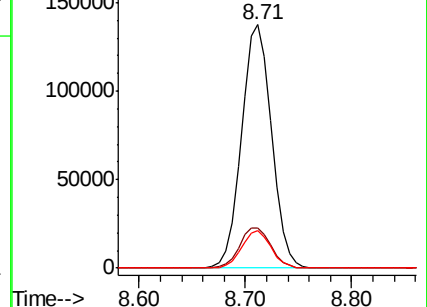
88 15.4 0.0 31.0

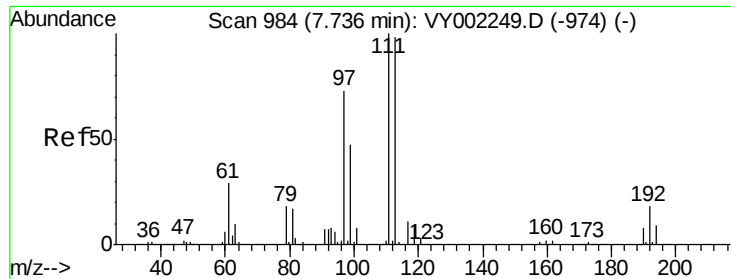


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

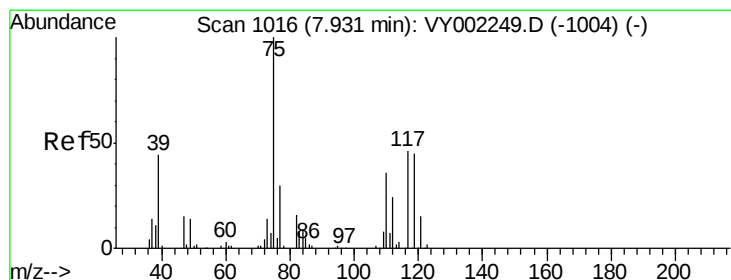
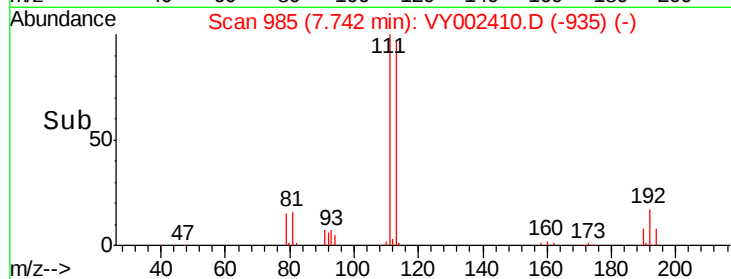
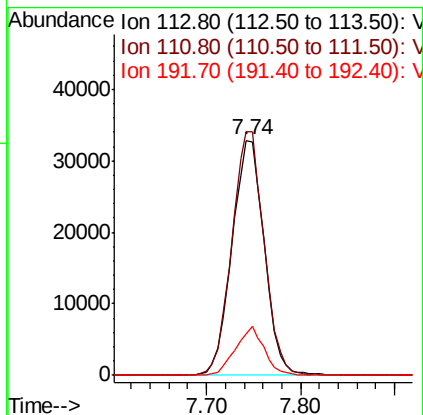
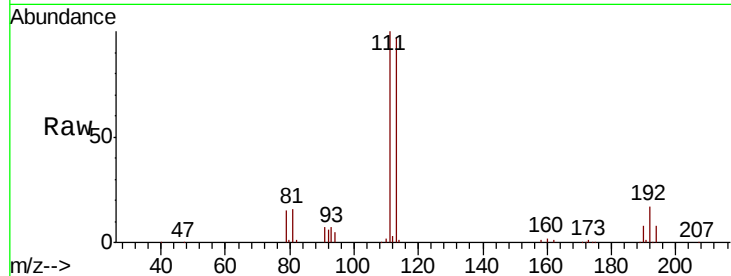




#35
 Dibromofluoromethane
 Concen: 48.412 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VY002410.D
 Acq: 17 Apr 2020 19:18

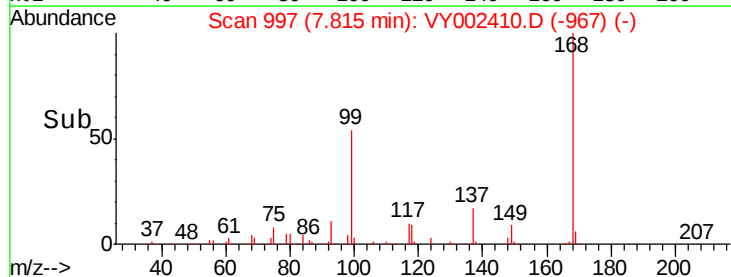
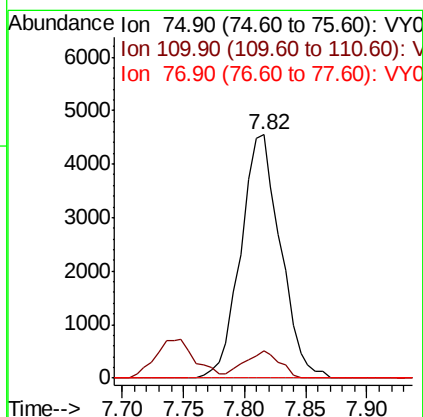
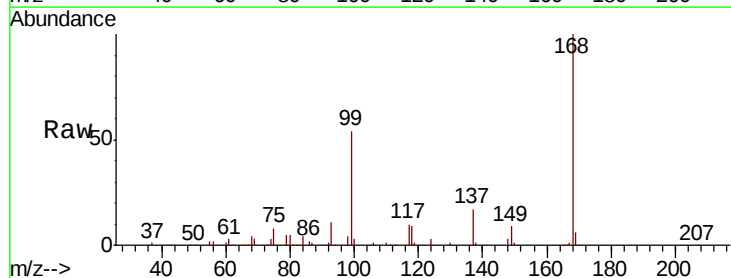
Instrument :
 MSVOA_Y
 ClientSampleId :

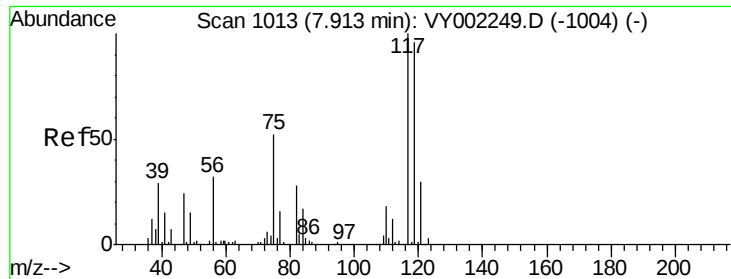
Tot Ion:113 Resp: 78436
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.5 125.3
 192 18.4 14.7 22.1



#36
 1,1-Dichloropropene
 Concen: 3.827 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002410.D
 Acq: 17 Apr 2020 19:18

Tgt Ion: 75 Resp: 10263
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.8 53.3#
 77 0.0 24.4 36.6#

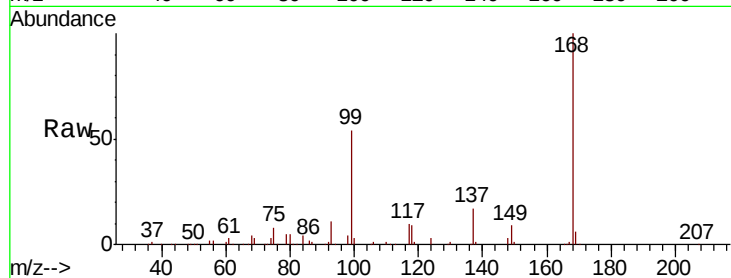




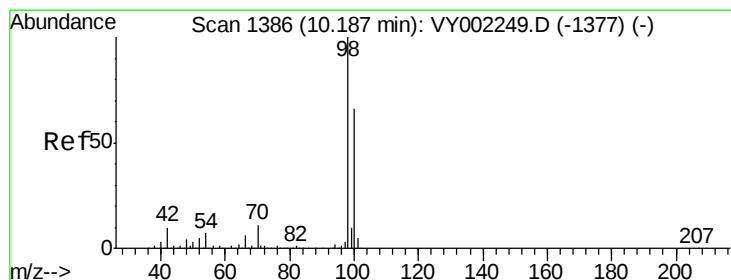
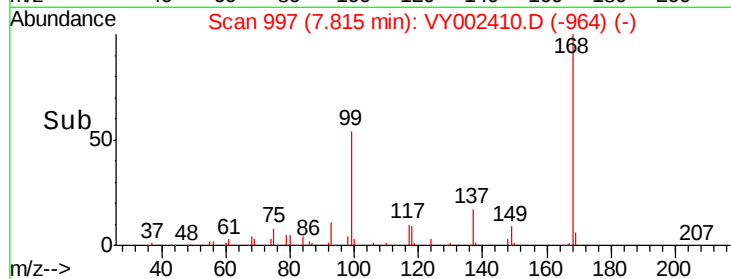
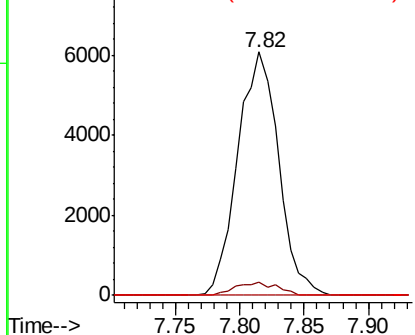
#38
Carbon Tetrachloride
Concen: 5.825 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002410.D
Acq: 17 Apr 2020 19:18

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 13362
Ion Ratio Lower Upper
117 100
119 5.5 77.1 115.7#
121 0.0 23.9 35.9#

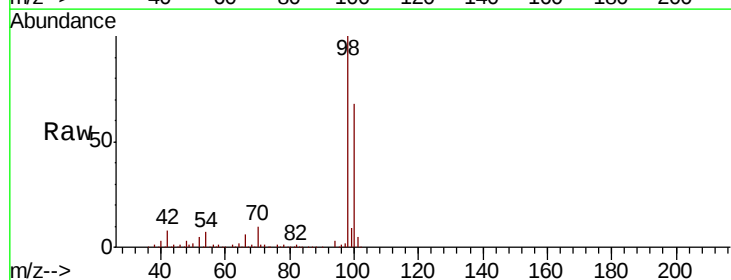


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

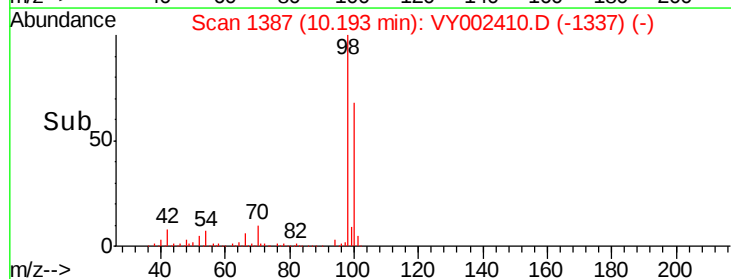
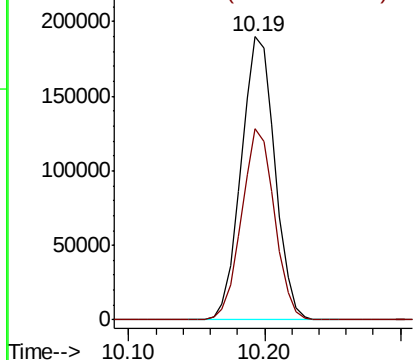


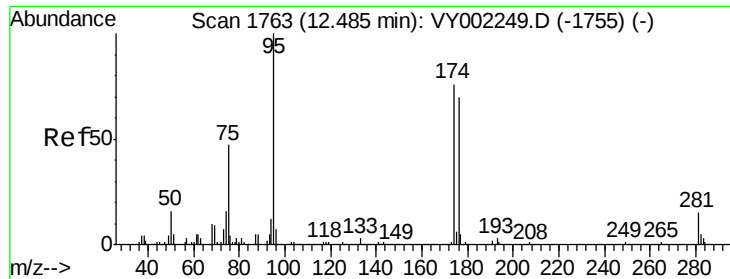
#50
Toluene-d8
Concen: 48.335 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002410.D
Acq: 17 Apr 2020 19:18

Tgt Ion: 98 Resp: 327779
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



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

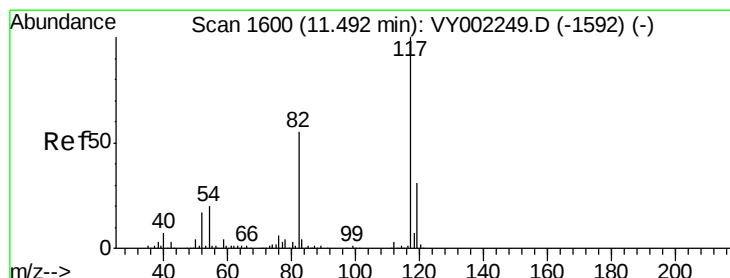
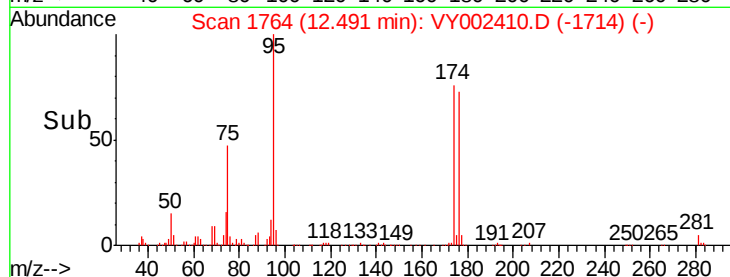
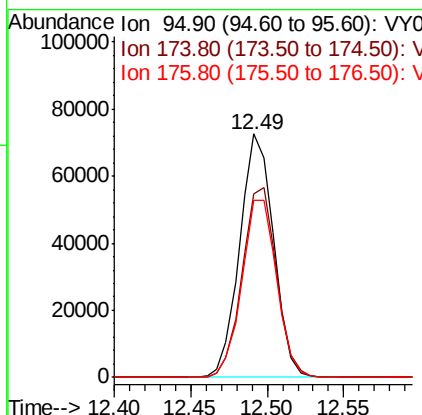
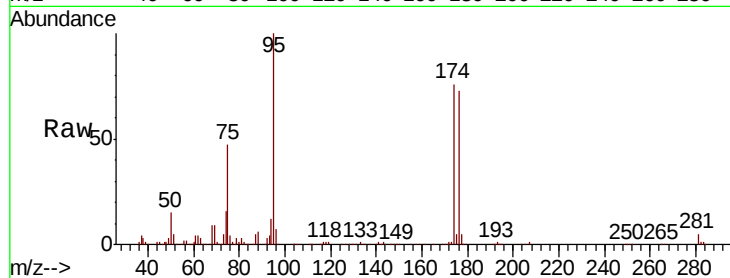




#62
4-Bromofluorobenzene
Concen: 49.681 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002410.D
Acq: 17 Apr 2020 19:18

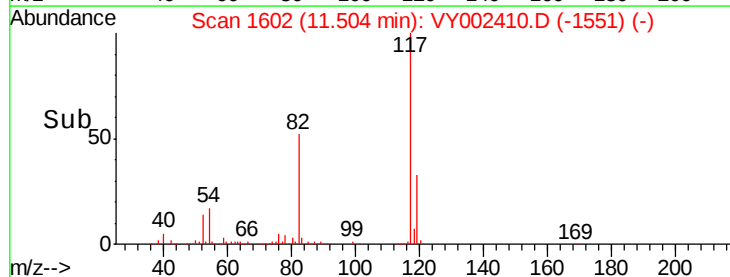
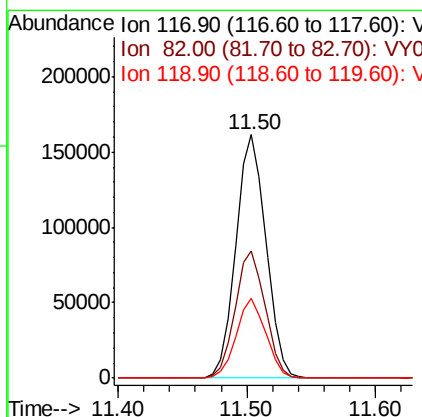
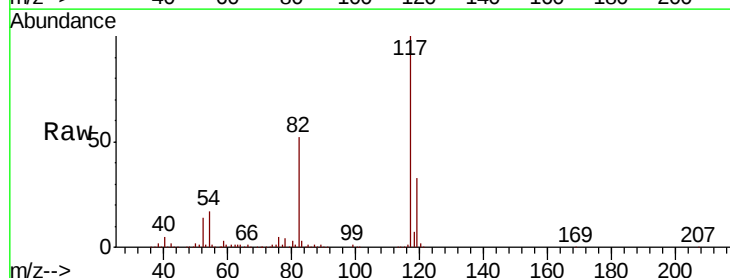
Instrument :
MSVOA_Y
ClientSampled :

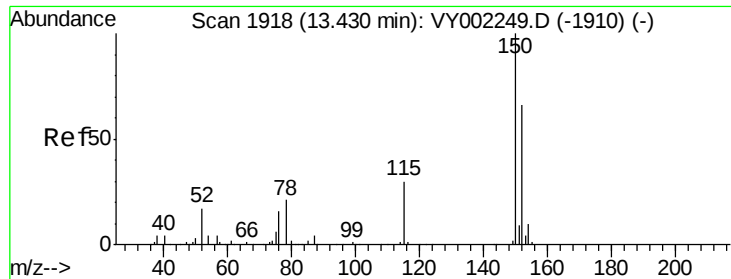
Tot Ion: 95 Resp: 111149
Ion Ratio Lower Upper
95 100
174 79.4 0.0 150.6
176 75.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002410.D
Acq: 17 Apr 2020 19:18

Tgt Ion: 117 Resp: 261111
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.4
119 32.5 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002410.D

Acq: 17 Apr 2020 19:18

Instrument :

MSVOA_Y

ClientSampleId :

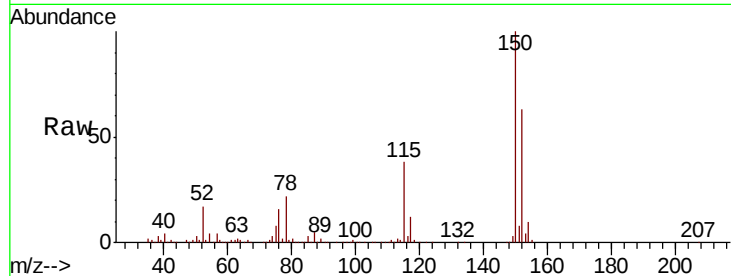
Tot Ion:152 Resp: 119046

Ion Ratio Lower Upper

152 100

115 58.9 30.7 92.1

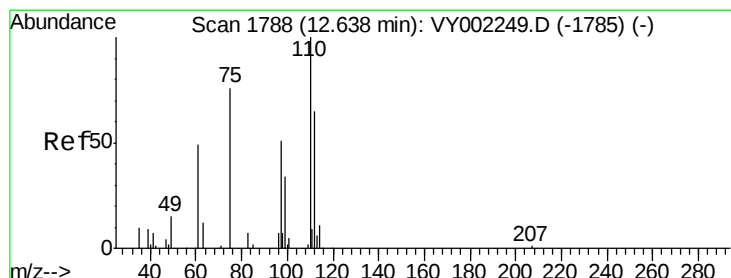
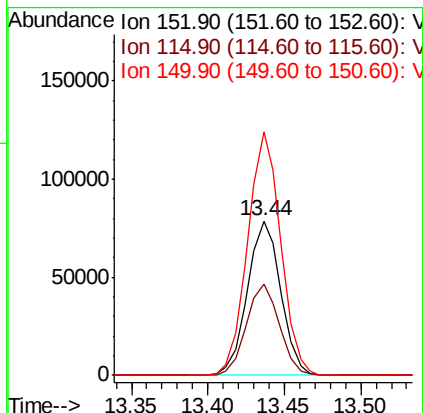
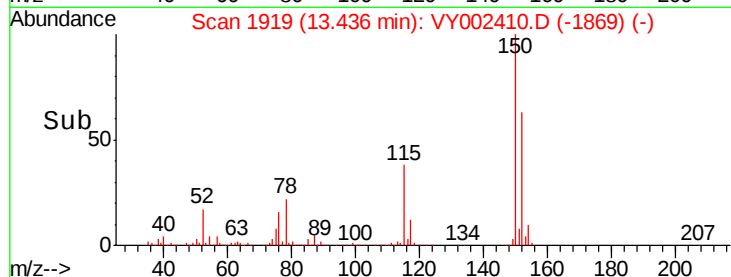
150 156.4 0.0 350.6



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: 36.815 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002410.D

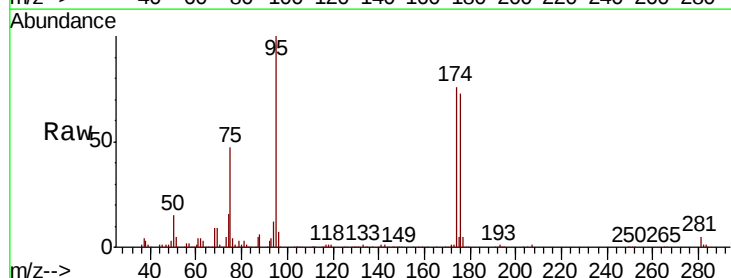
Acq: 17 Apr 2020 19:18

Tgt Ion: 75 Resp: 50893

Ion Ratio Lower Upper

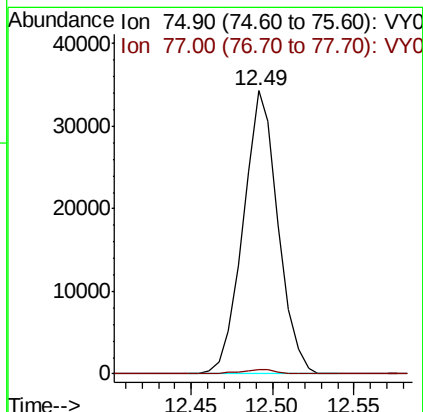
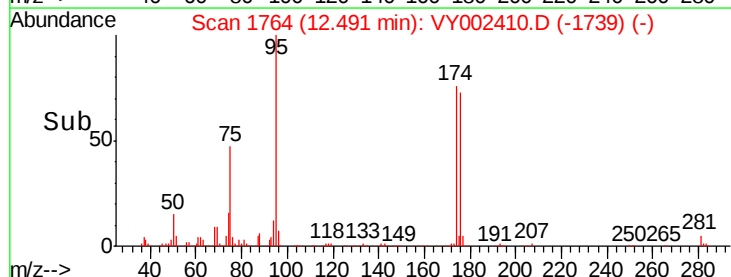
75 100

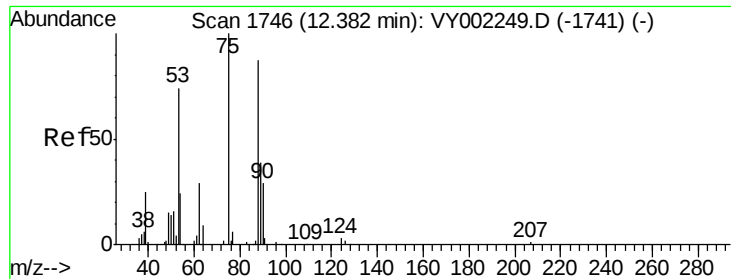
77 1.6 0.0 0.0#



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: 71.605 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002410.D

Acq: 17 Apr 2020 19:18

Instrument :

MSVOA_Y

ClientSampleId :

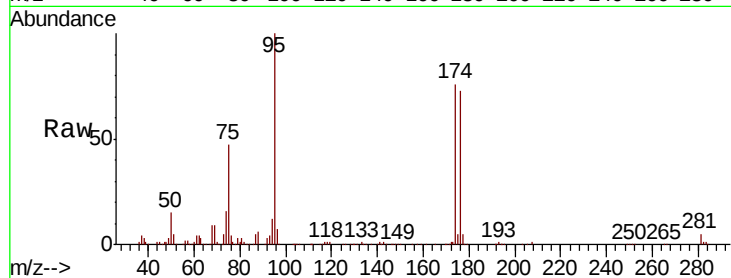
Tot Ion: 75 Resp: 50893

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.1 37.0 55.6#



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

