

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041720\
 Data File : VY002405.D
 Acq On : 17 Apr 2020 17:26
 Operator : SY/MD
 Sample : L2271-12
 Misc : 5.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 18 04:39:25 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

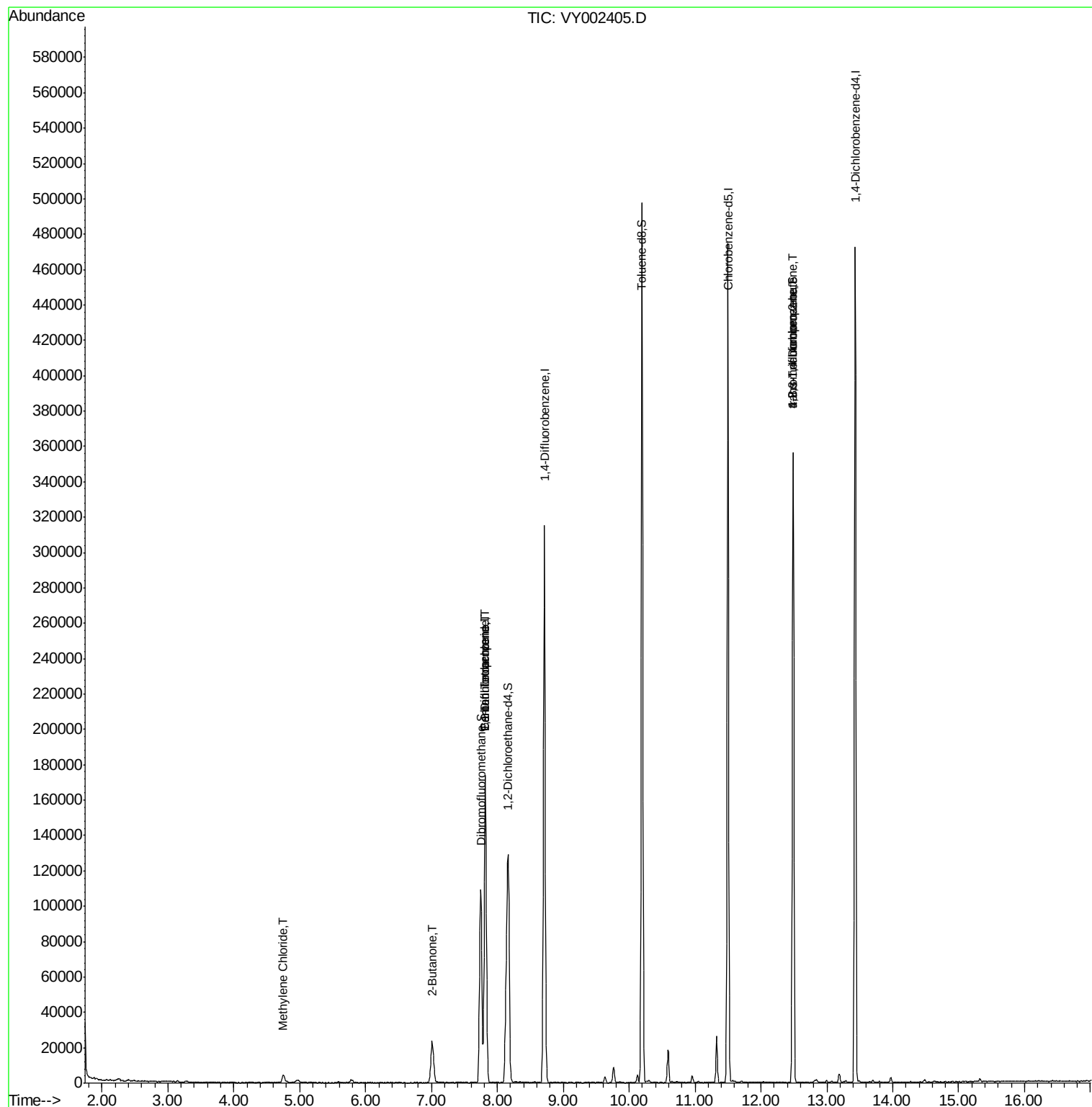
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	138564	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	281346	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	270241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	121724	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	72745	47.21	ug/l	0.01
Spiked Amount 50.000			Recovery	=	94.42%	
35) Dibromofluoromethane	7.75	113	80880	48.31	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.62%	
50) Toluene-d8	10.19	98	336718	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.49	95	117203	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	2066	Below Cal	#	77
20) Methylene Chloride	4.75	84	3653	1.831	ug/l #	84
25) 2-Butanone	7.00	43	921	1.434	ug/l #	76
36) 1,1-Dichloropropene	7.82	75	10831	3.908	ug/l #	48
38) Carbon Tetrachloride	7.82	117	13624	5.748	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	54835	38.794	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54835	75.454	ug/l #	19

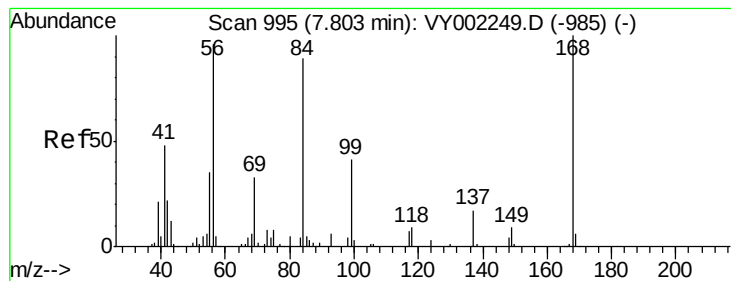
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY002405.D

Acq: 17 Apr 2020 17:26

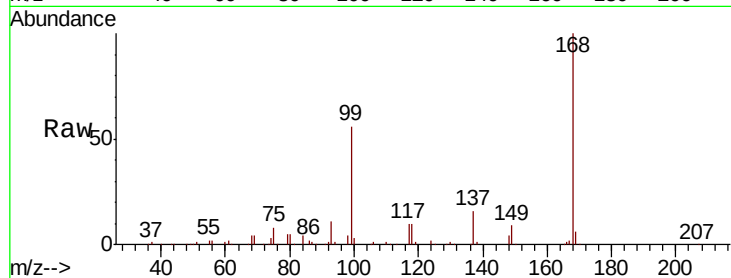
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 138564

Ion Ratio Lower Upper

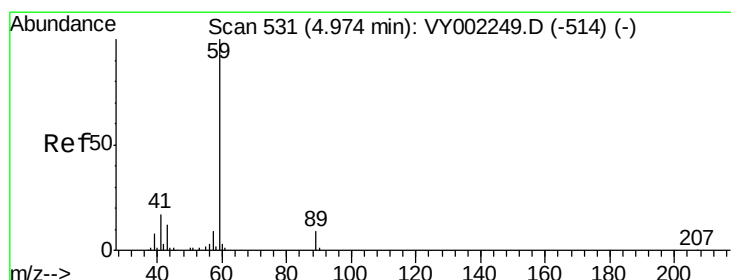
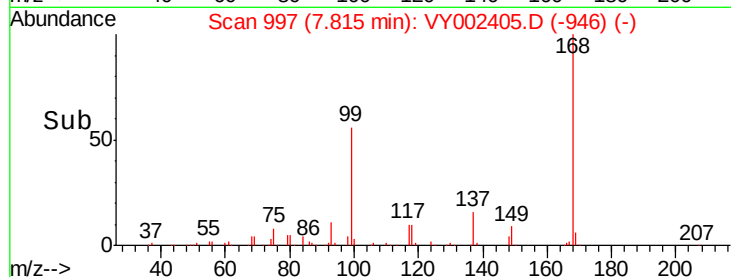
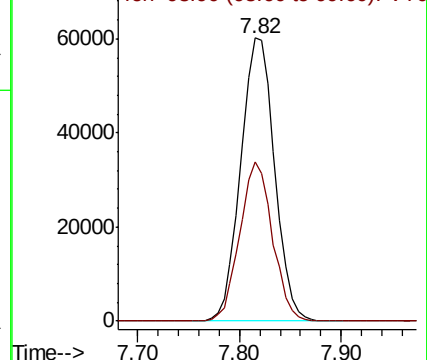
168 100

99 56.4 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. 0.00 min

Lab File: VY002405.D

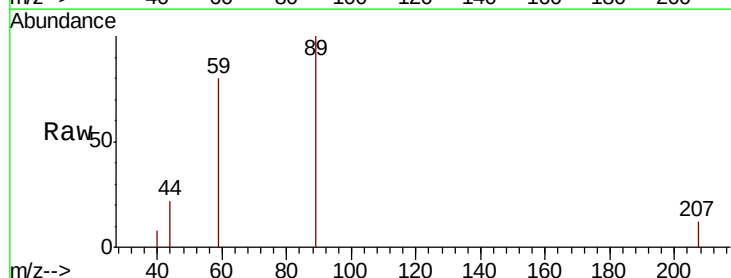
Acq: 17 Apr 2020 17:26

Tgt Ion: 59 Resp: 2066

Ion Ratio Lower Upper

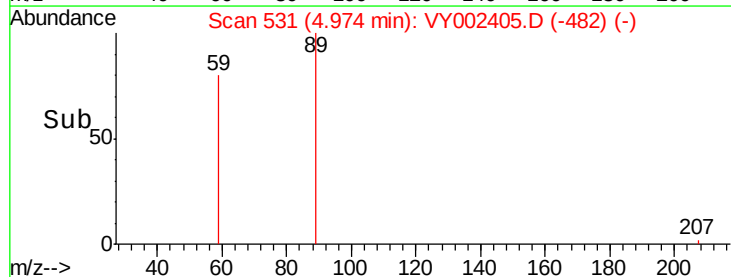
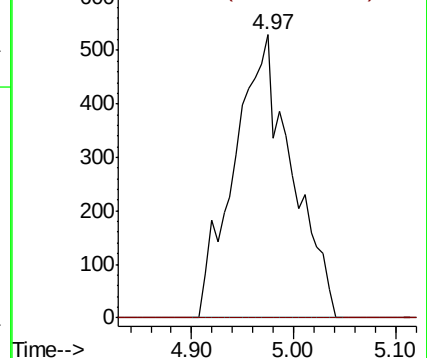
59 100

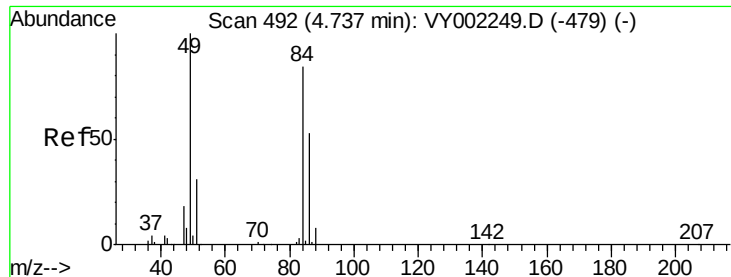
57 0.0 6.6 9.8#



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

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

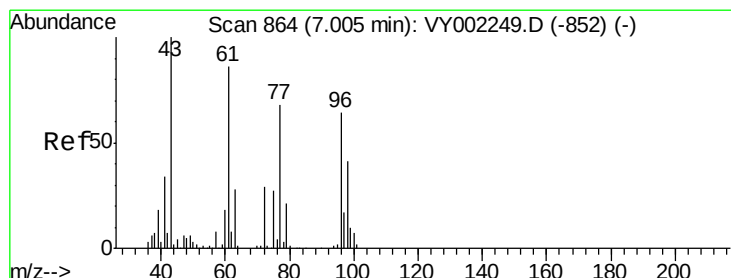
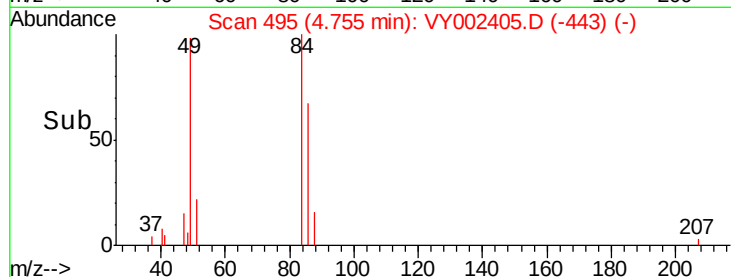
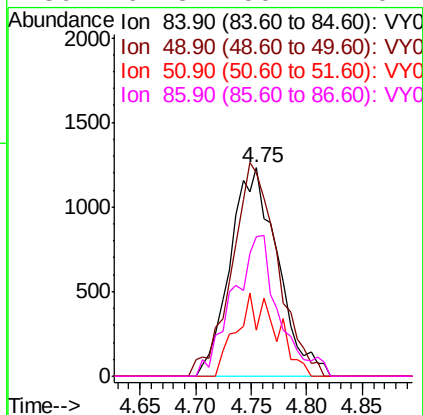
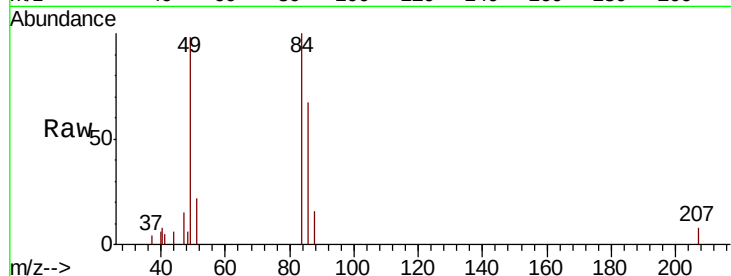




#20
Methylene Chloride
Concen: 1.831 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002405.D
Acq: 17 Apr 2020 17:26

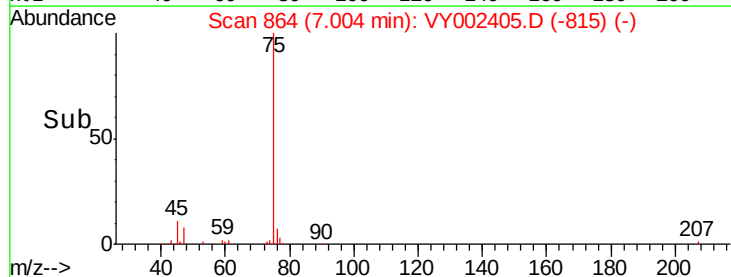
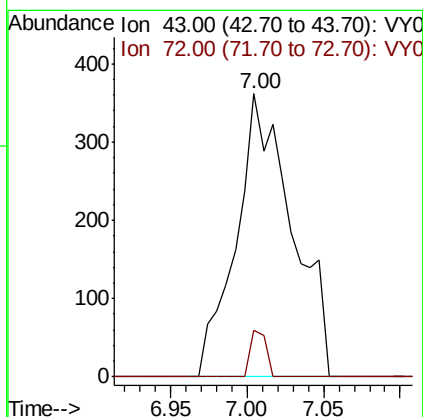
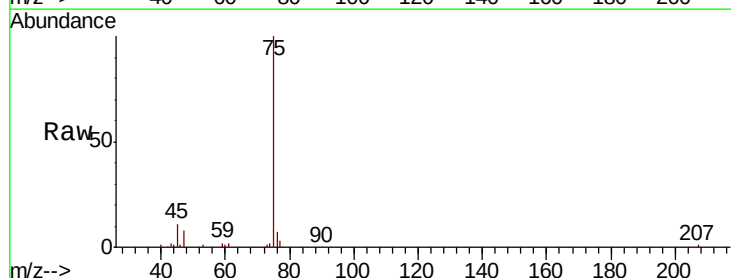
Instrument :
MSVOA_Y
ClientSampleId :

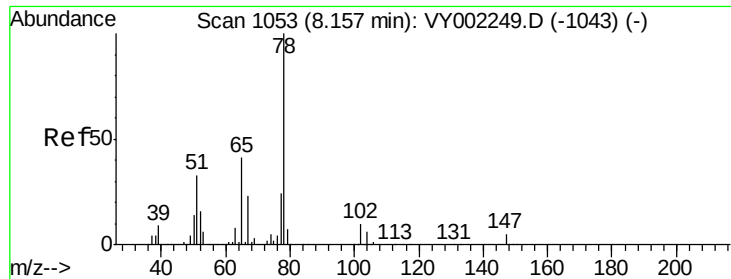
Tot Ion: 84 Resp: 3653
Ion Ratio Lower Upper
84 100
49 97.6 95.5 143.3
51 21.9 29.5 44.3#
86 67.3 50.7 76.1



#25
2-Butanone
Concen: 1.434 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.00 min
Lab File: VY002405.D
Acq: 17 Apr 2020 17:26

Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
72 16.3 23.2 34.8#

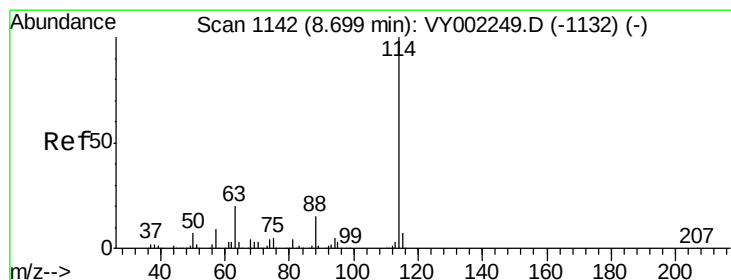
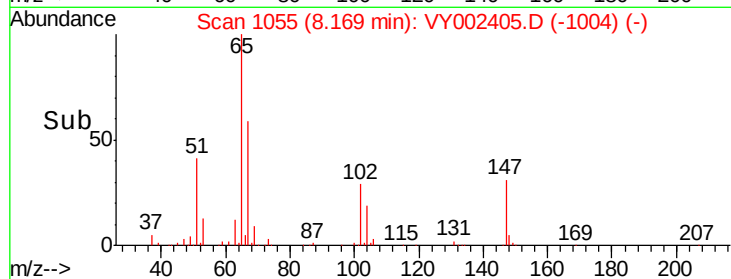
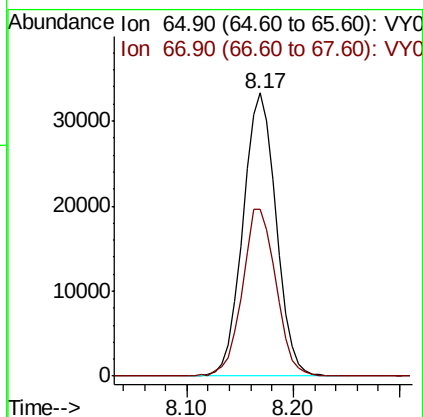
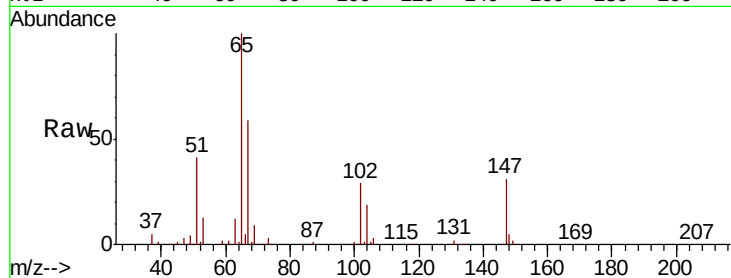




#33
 1,2-Dichloroethane-d4
 Concen: 47.208 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY002405.D
 Acq: 17 Apr 2020 17:26

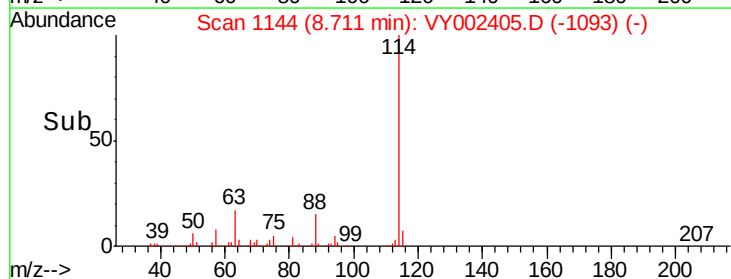
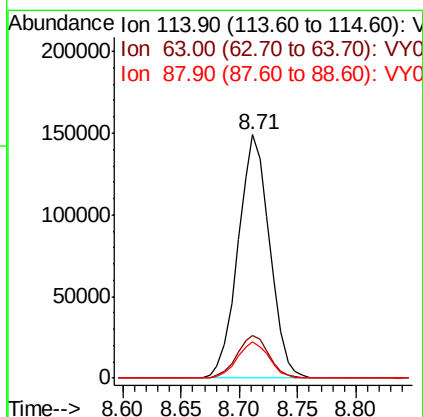
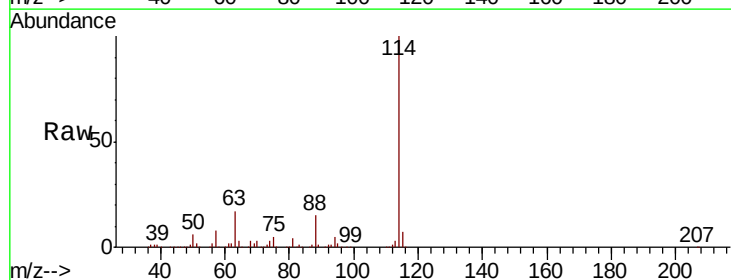
Instrument :
 MSVOA_Y
 ClientSampleId :

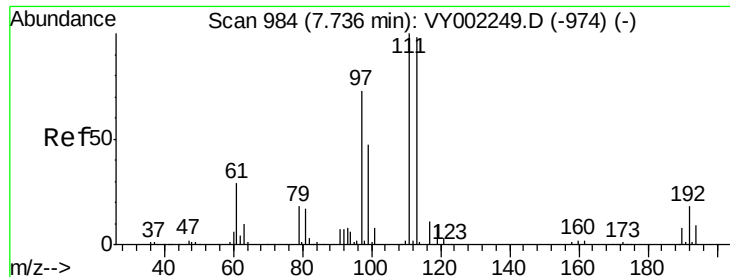
Tot Ion: 65 Resp: 72745
 Ion Ratio Lower Upper
 65 100
 67 60.0 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002405.D
 Acq: 17 Apr 2020 17:26

Tgt Ion: 114 Resp: 281346
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 39.0
 88 14.9 0.0 31.0

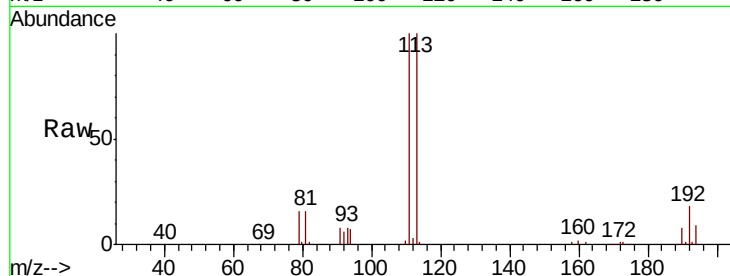




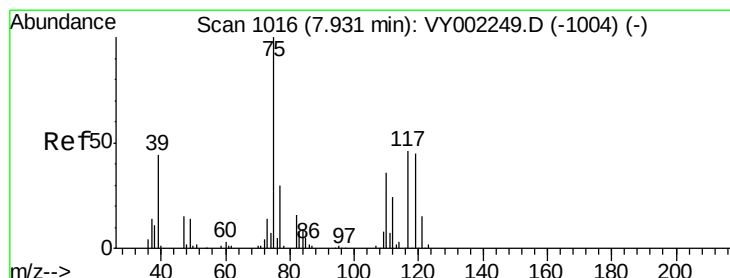
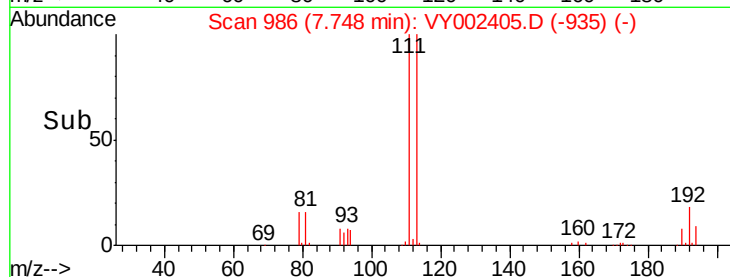
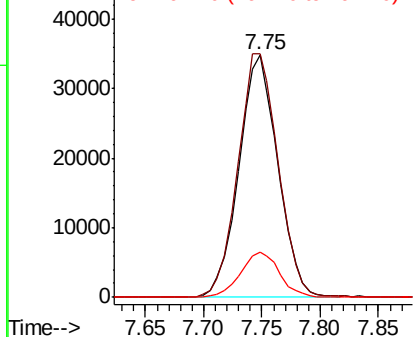
#35
 Dibromofluoromethane
 Concen: 48.312 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002405.D
 Acq: 17 Apr 2020 17:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 80880
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.5 125.3
 192 18.7 14.7 22.1

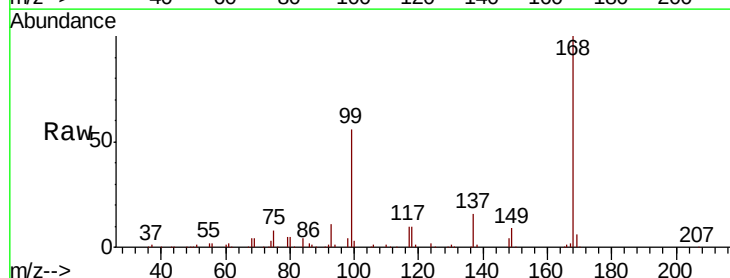


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

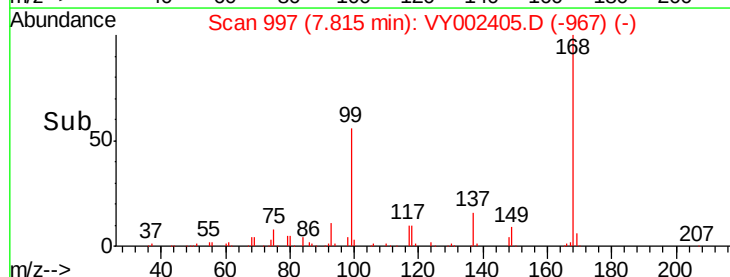
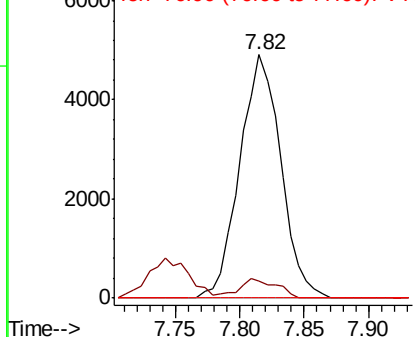


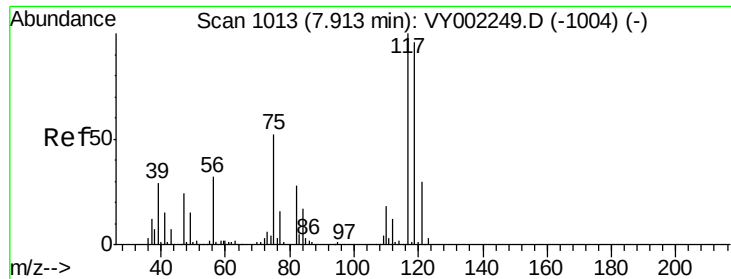
#36
 1,1-Dichloropropene
 Concen: 3.908 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002405.D
 Acq: 17 Apr 2020 17:26

Tgt Ion: 75 Resp: 10831
 Ion Ratio Lower Upper
 75 100
 110 7.0 17.8 53.3#
 77 0.0 24.4 36.6#



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

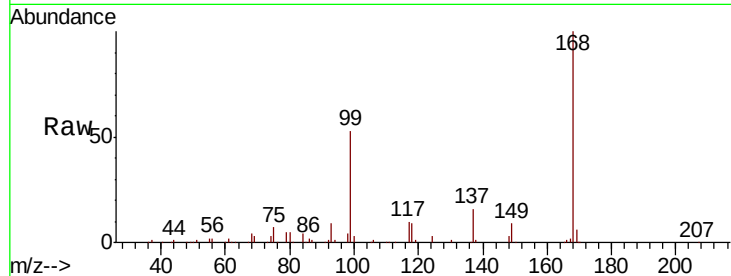




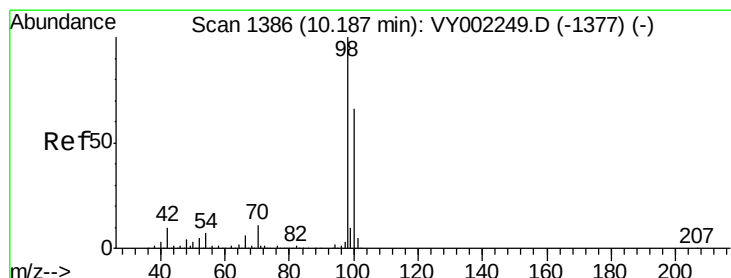
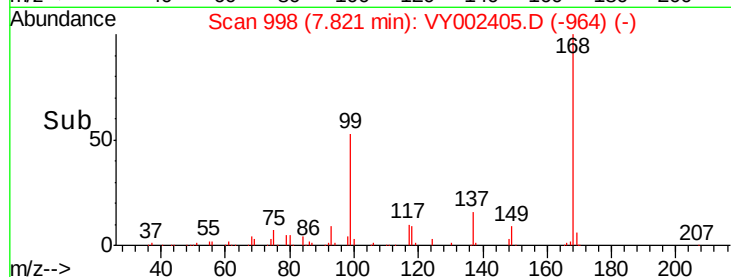
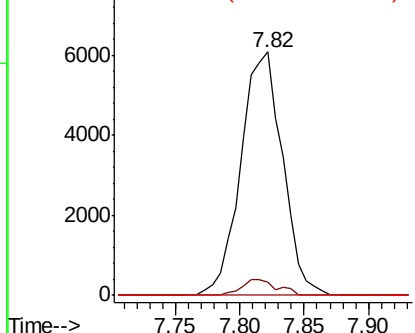
#38
Carbon Tetrachloride
Concen: 5.748 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.09 min
Lab File: VY002405.D
Acq: 17 Apr 2020 17:26

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 13624
Ion Ratio Lower Upper
117 100
119 5.4 77.1 115.7#
121 0.0 23.9 35.9#

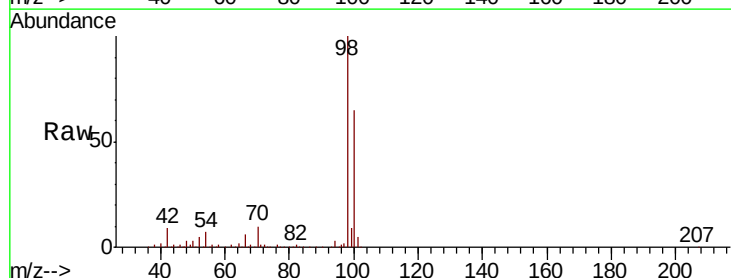


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

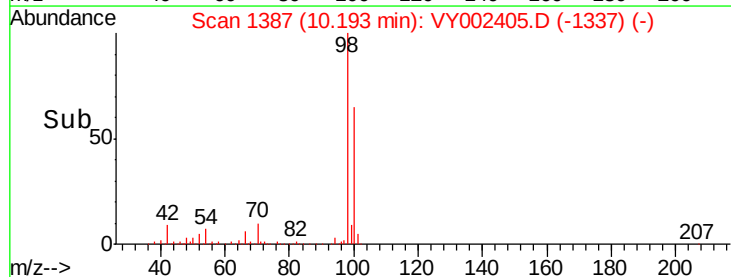
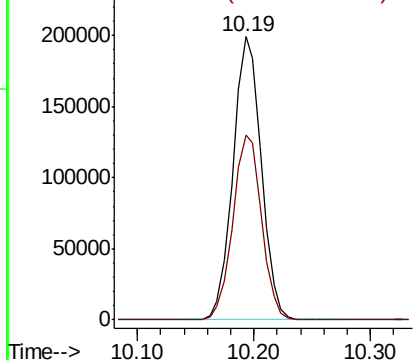


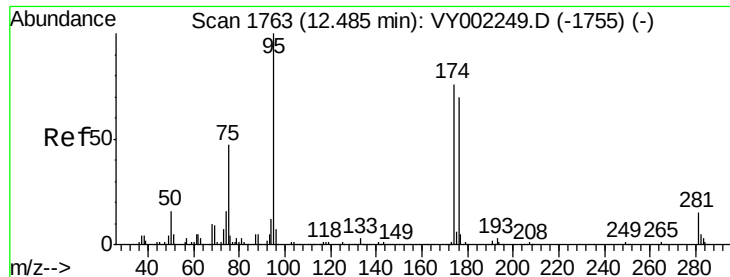
#50
Toluene-d8
Concen: 48.054 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002405.D
Acq: 17 Apr 2020 17:26

Tgt Ion: 98 Resp: 336718
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

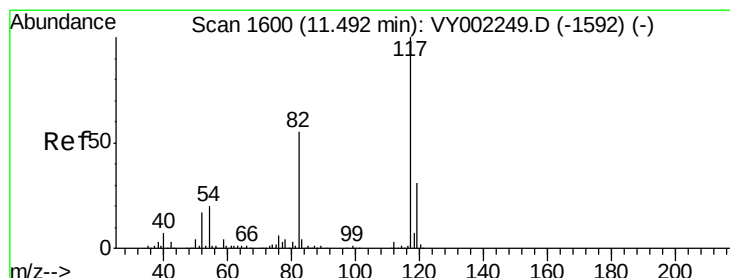
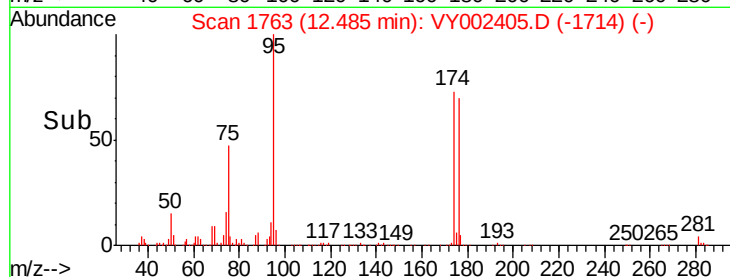
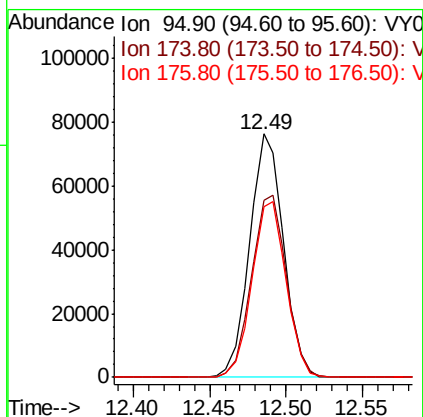
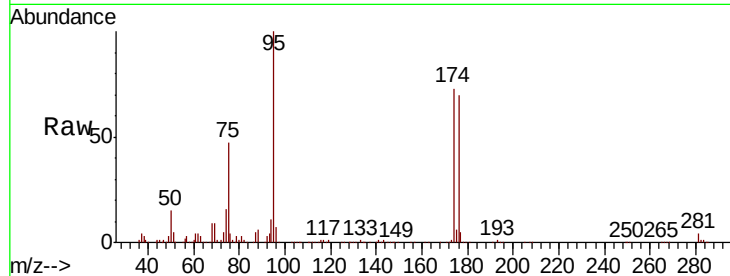




#62
4-Bromofluorobenzene
Concen: 50.699 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002405.D
Acq: 17 Apr 2020 17:26

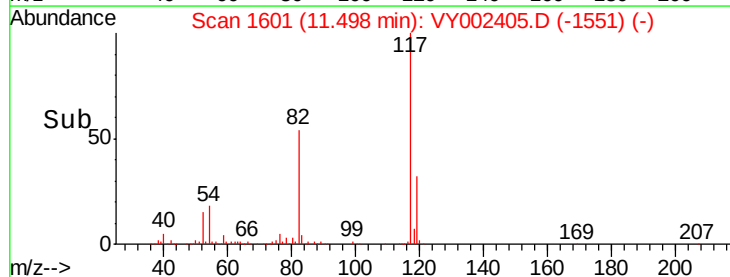
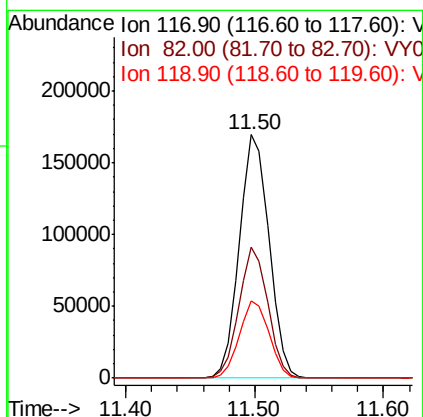
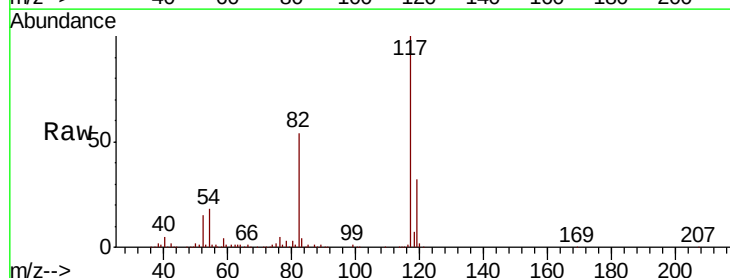
Instrument :
MSVOA_Y
ClientSampleId :

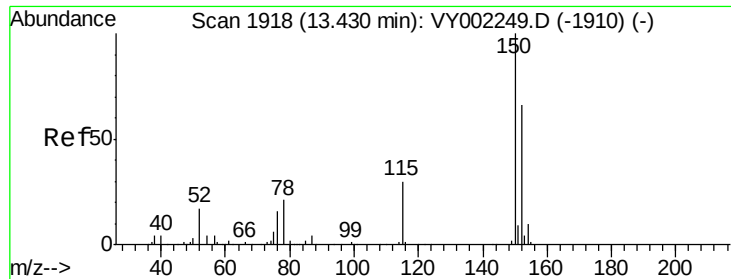
Tot Ion: 95 Resp: 117203
Ion Ratio Lower Upper
95 100
174 77.2 0.0 150.6
176 73.1 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY002405.D
Acq: 17 Apr 2020 17:26

Tgt Ion: 117 Resp: 270241
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.4
119 31.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.00 min

Lab File: VY002405.D

Acq: 17 Apr 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

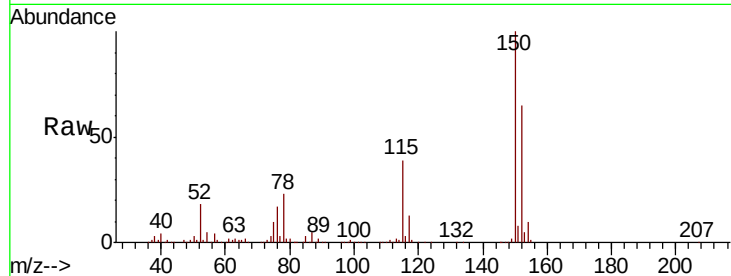
Tot Ion:152 Resp: 121724

Ion Ratio Lower Upper

152 100

115 59.3 30.7 92.1

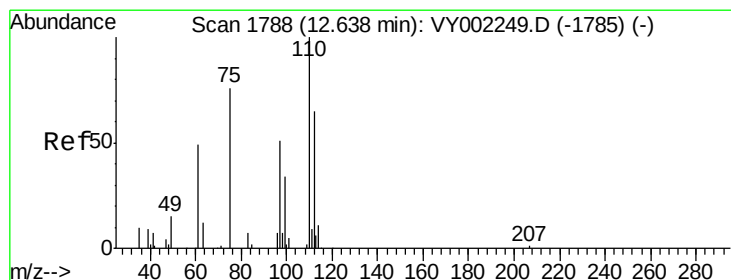
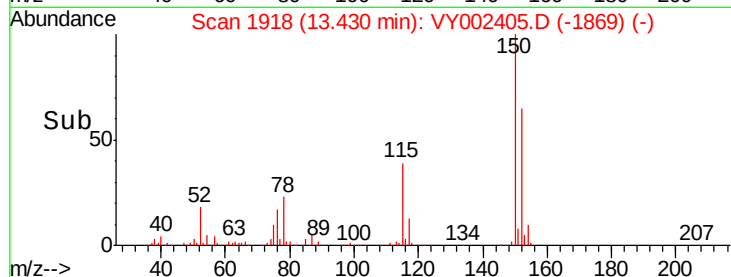
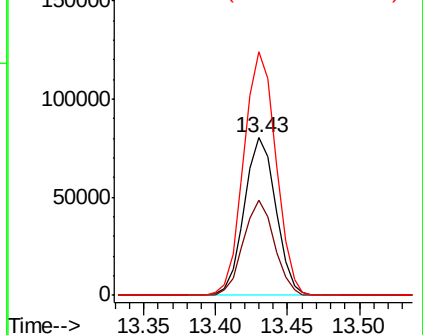
150 157.9 0.0 350.6



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: 38.794 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002405.D

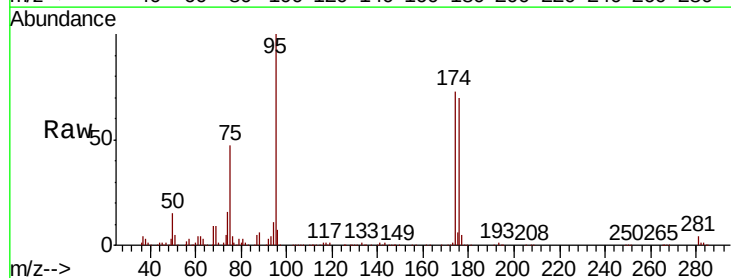
Acq: 17 Apr 2020 17:26

Tgt Ion: 75 Resp: 54835

Ion Ratio Lower Upper

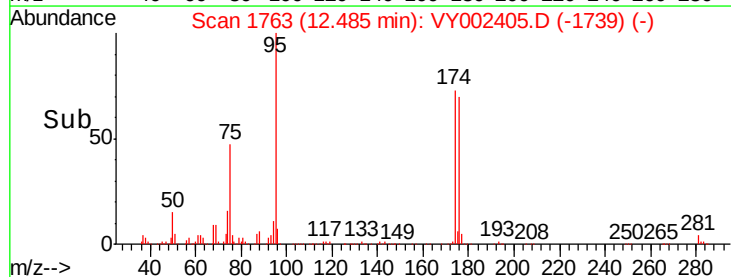
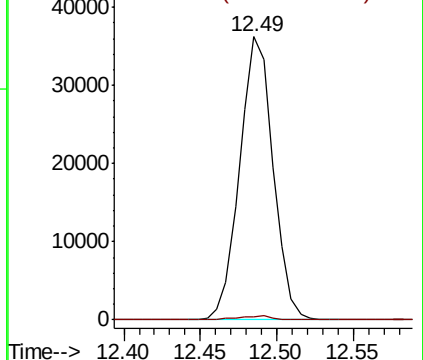
75 100

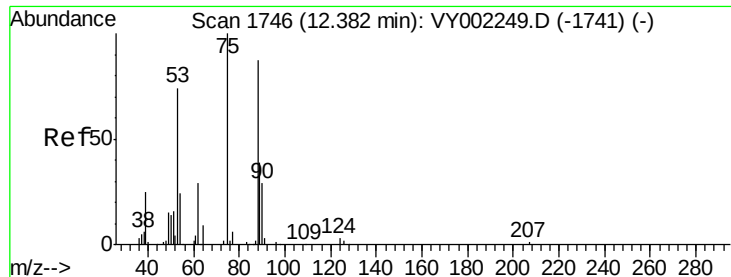
77 1.5 0.0 0.0#



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: 75.454 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002405.D

Acq: 17 Apr 2020 17:26

Instrument :

MSVOA_Y

ClientSampleId :

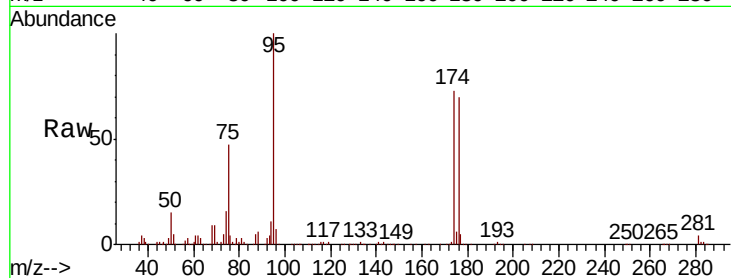
Tot Ion: 75 Resp: 54835

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.2 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

