

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002139.D
 Acq On : 31 Mar 2020 17:29
 Operator : SY/MD
 Sample : L2054-05
 Misc : 6.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:00:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

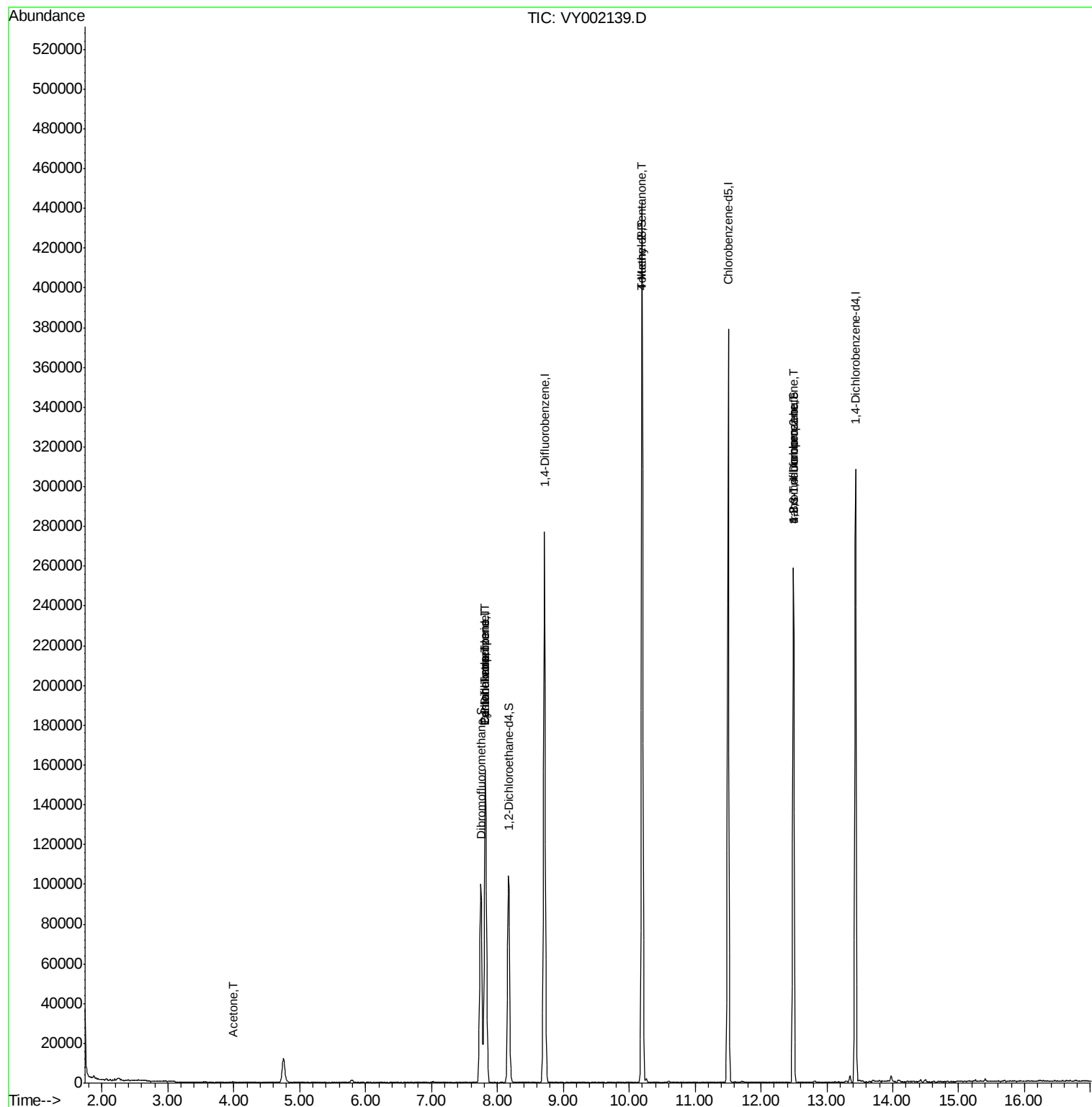
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	119763	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	232752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	203282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	72670	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	76562	57.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.66%	
35) Dibromofluoromethane	7.75	113	70900	54.37	ug/l	0.01
Spiked Amount 50.000			Recovery	=	108.74%	
50) Toluene-d8	10.19	98	281081	51.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.49	95	82648	43.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.24%	
Target Compounds						
					Qvalue	
16) Acetone	3.98	43	643	1.729	ug/l #	80
31) Cyclohexane	7.81	56	2921	1.059	ug/l #	20
36) 1,1-Dichloropropene	7.82	75	10311	4.684	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12090	6.473	ug/l #	18
51) 4-Methyl-2-Pentanone	10.19	43	1335	1.050	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	42335	52.080	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	42335	100.898	ug/l #	17

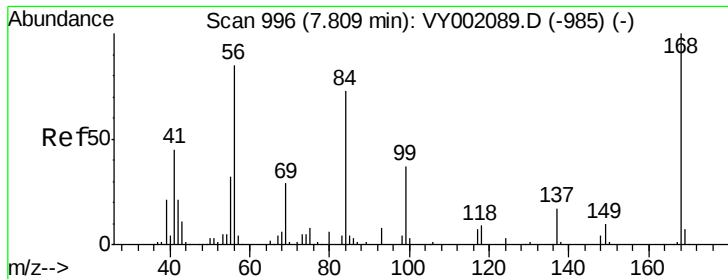
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002139.D

Acq: 31 Mar 2020 17:29

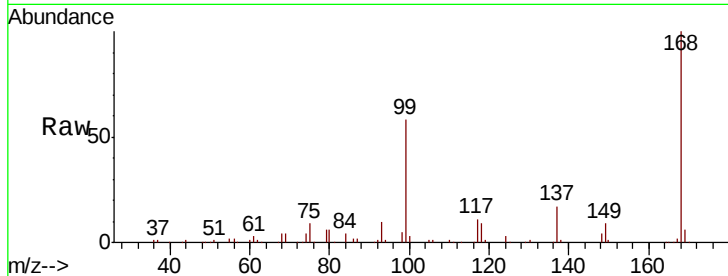
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 119763

Ion Ratio Lower Upper

168 100

99 58.1 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002139.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002139.D (-947) (-)

7.82

60000

50000

40000

30000

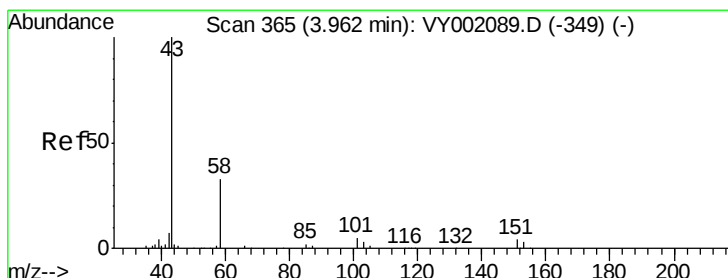
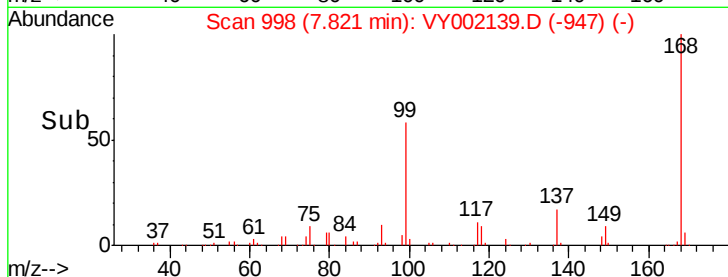
20000

10000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 1.729 ug/l

RT: 3.98 min Scan# 368

Delta R.T. 0.02 min

Lab File: VY002139.D

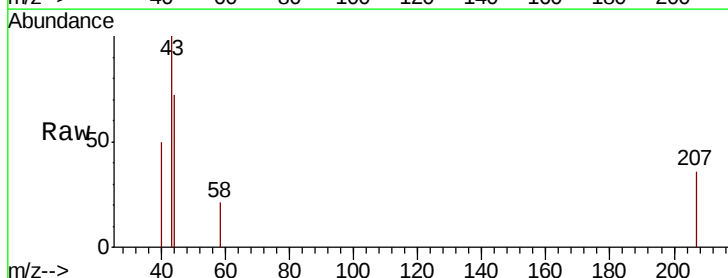
Acq: 31 Mar 2020 17:29

Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

58 21.3 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002139.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002139.D (-316) (-)

3.98

250

200

150

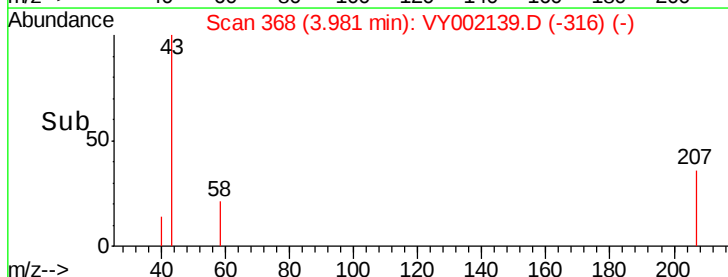
100

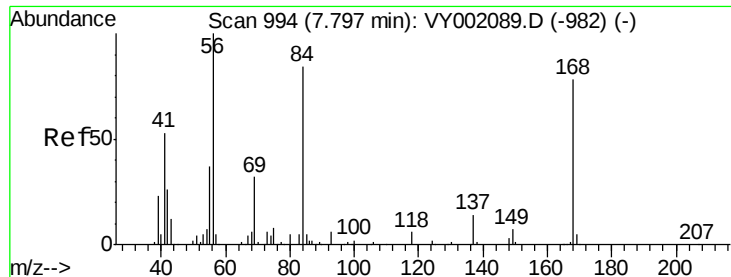
50

0

Time-->

3.95 4.00 4.05

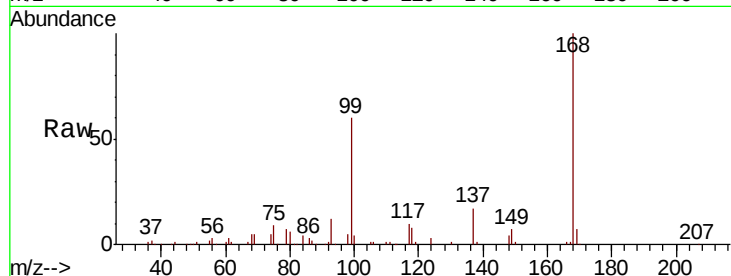




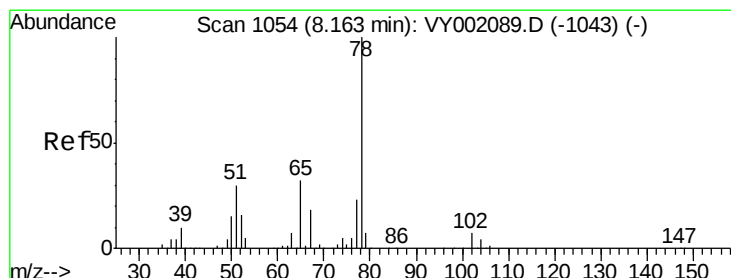
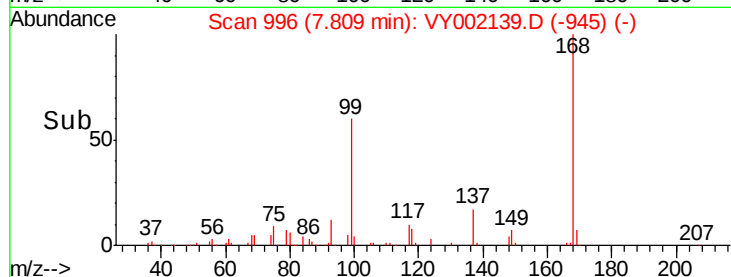
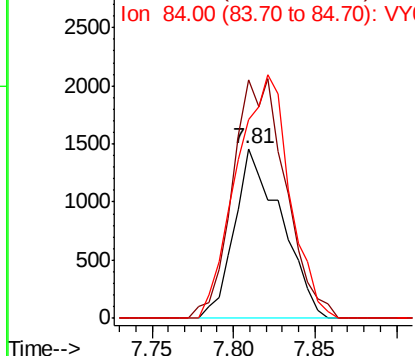
#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002139.D
Acq: 31 Mar 2020 17:29

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 2921
Ion Ratio Lower Upper
56 100
69 140.2 25.8 38.8#
84 117.5 67.1 100.7#

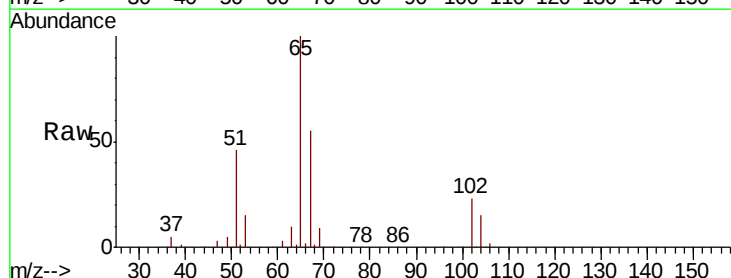


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

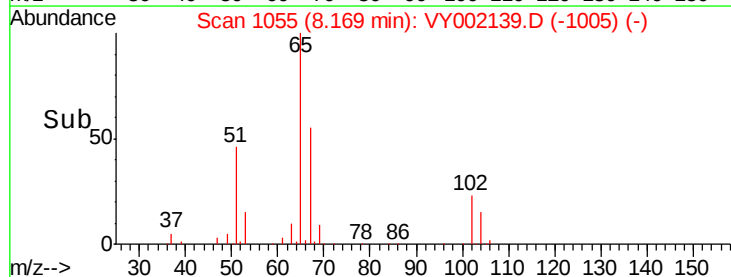
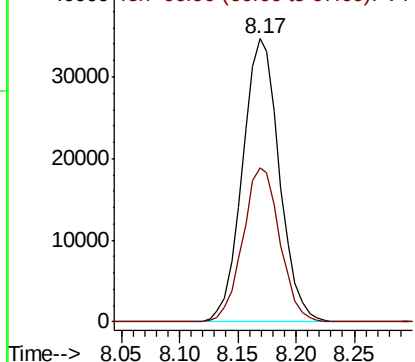


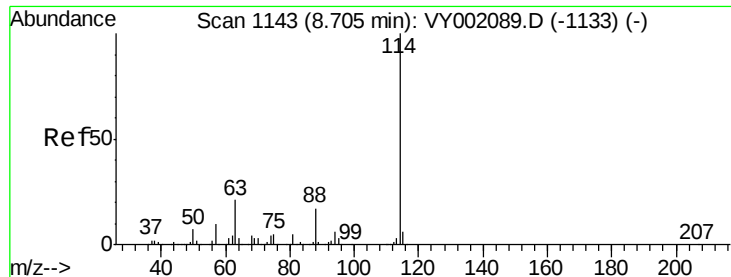
#33
1,2-Dichloroethane-d4
Concen: 57.829 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VY002139.D
Acq: 31 Mar 2020 17:29

Tgt Ion: 65 Resp: 76562
Ion Ratio Lower Upper
65 100
67 54.7 0.0 112.8



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

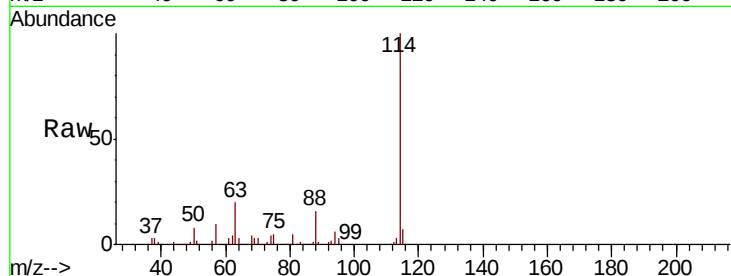




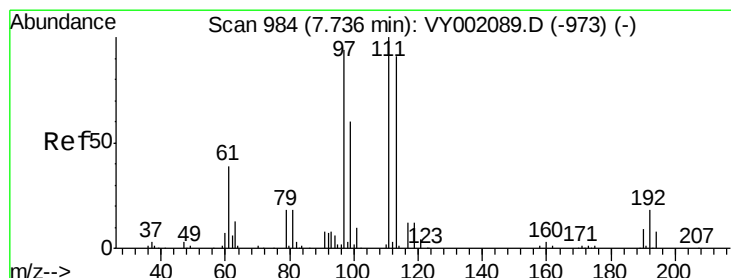
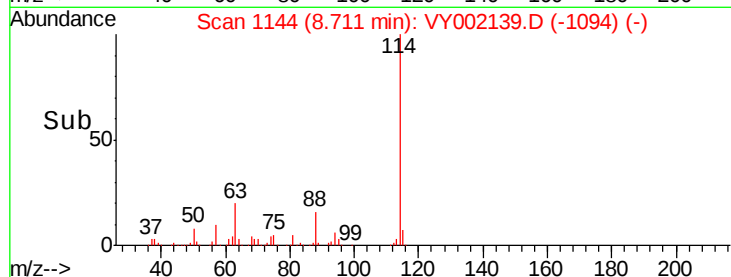
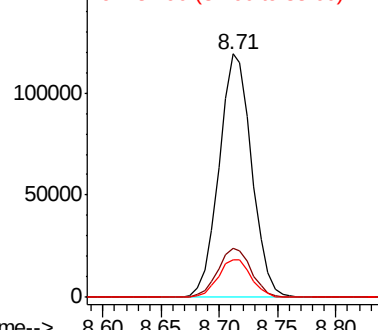
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002139.D
 Acq: 31 Mar 2020 17:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 232752
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.5 0.0 33.0

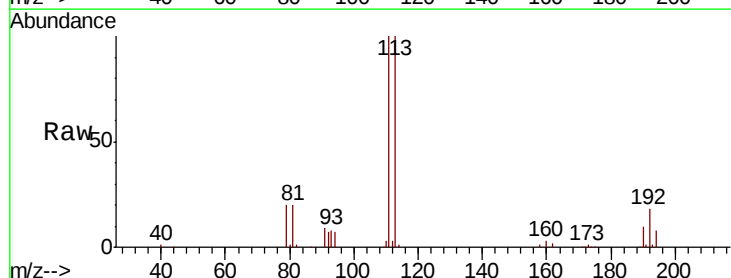


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

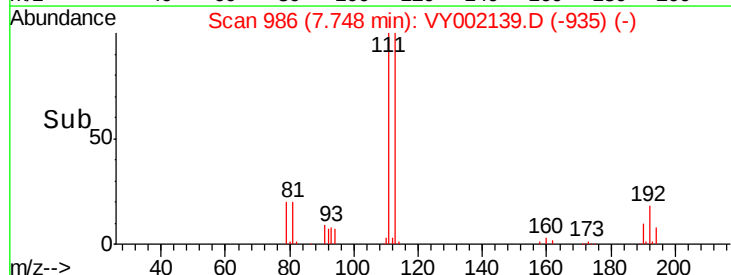
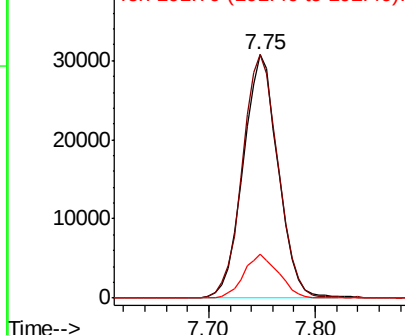


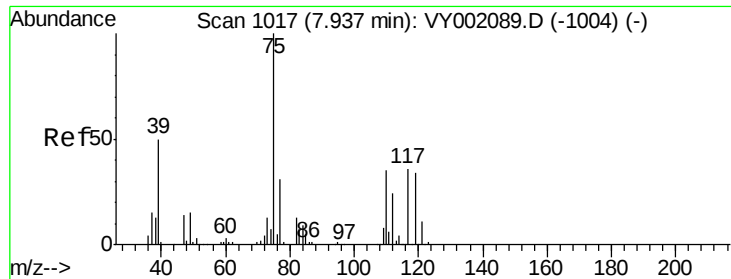
#35
 Dibromofluoromethane
 Concen: 54.365 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002139.D
 Acq: 31 Mar 2020 17:29

Tgt Ion:113 Resp: 70900
 Ion Ratio Lower Upper
 113 100
 111 102.3 84.4 126.6
 192 17.9 14.6 21.8



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

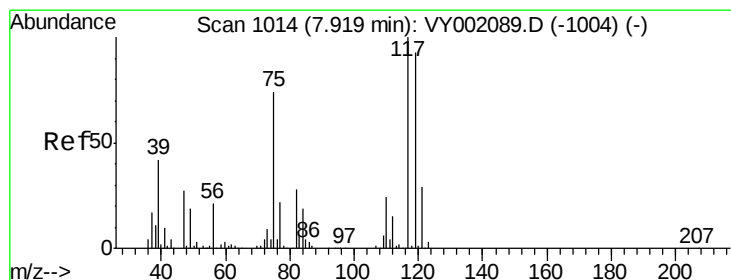
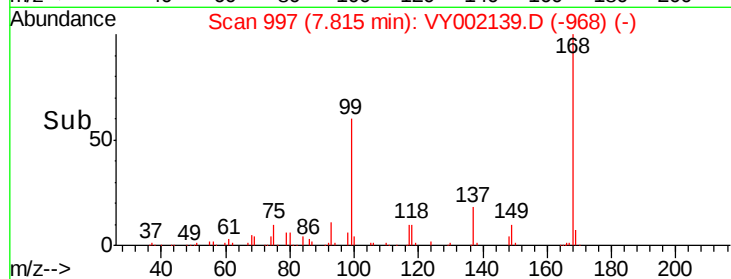
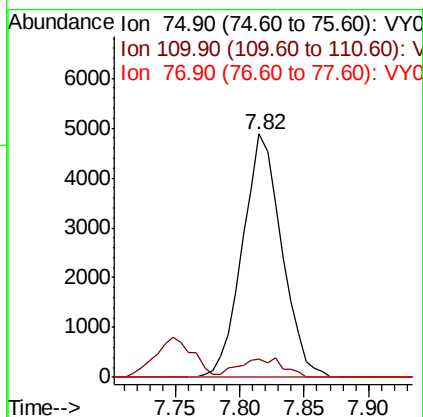
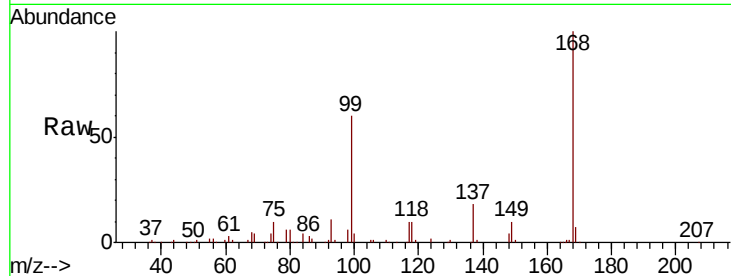




#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002139.D
 Acq: 31 Mar 2020 17:29

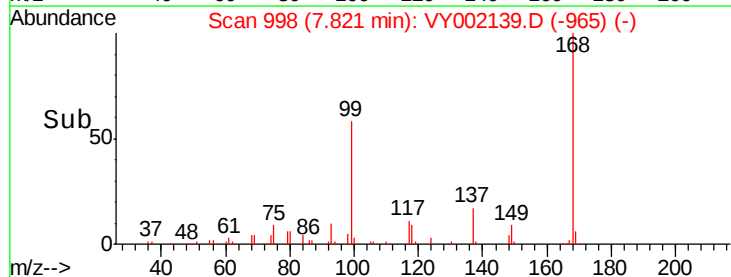
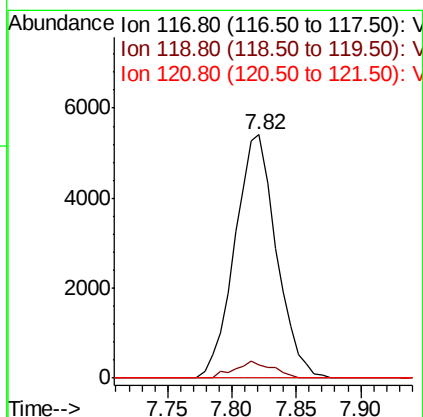
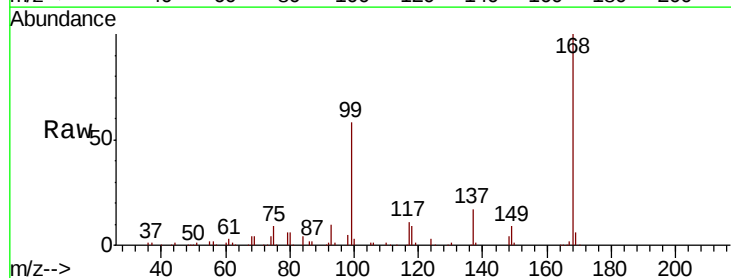
Instrument :
 MSVOA_Y
 ClientSampled :

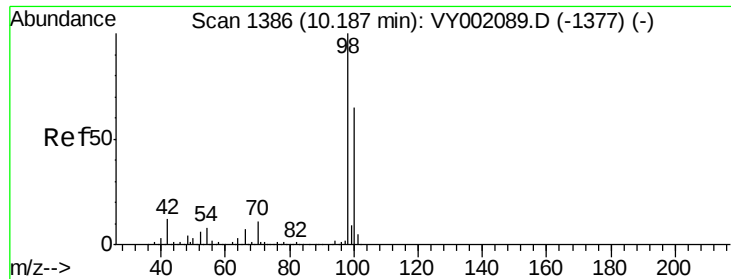
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.473 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY002139.D
 Acq: 31 Mar 2020 17:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 51.882 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002139.D

Acq: 31 Mar 2020 17:29

Instrument :

MSVOA_Y

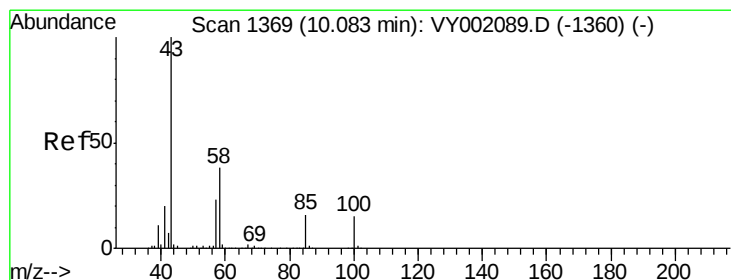
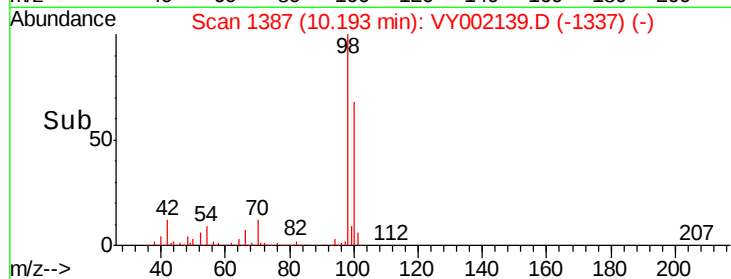
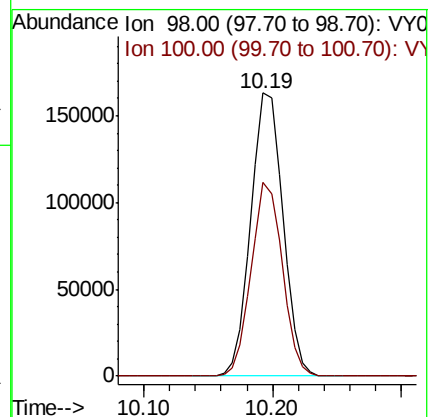
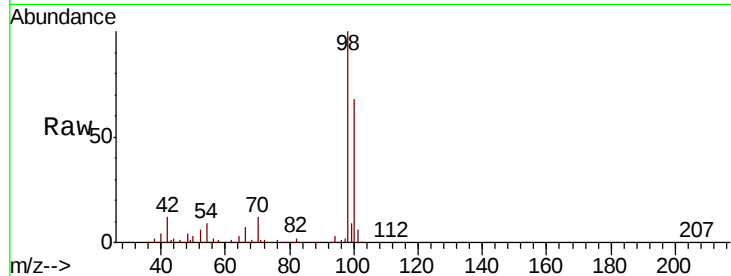
ClientSampleId :

Tot Ion: 98 Resp: 281081

Ion Ratio Lower Upper

98 100

100 66.3 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 1.050 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002139.D

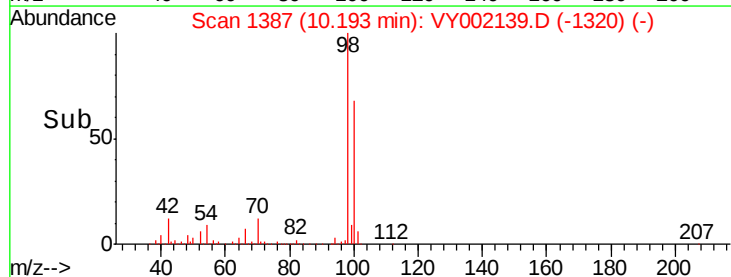
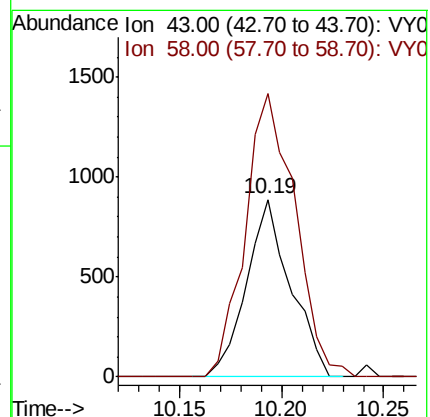
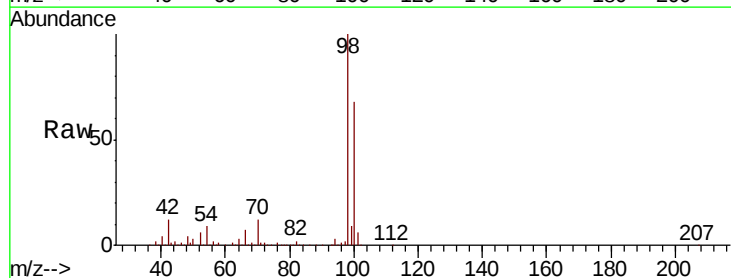
Acq: 31 Mar 2020 17:29

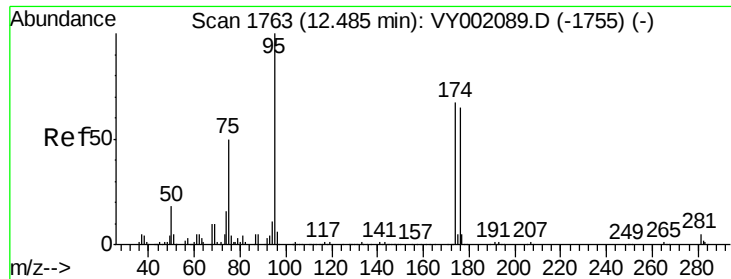
Tgt Ion: 43 Resp: 1335

Ion Ratio Lower Upper

43 100

58 180.3 31.6 47.4#

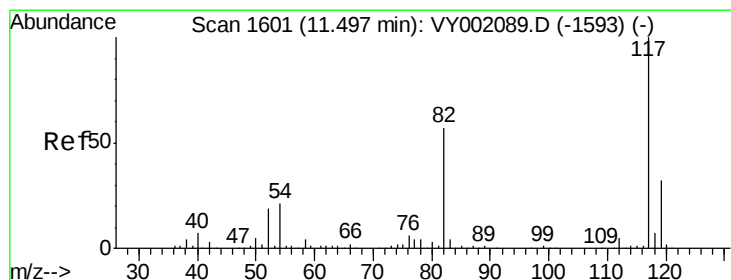
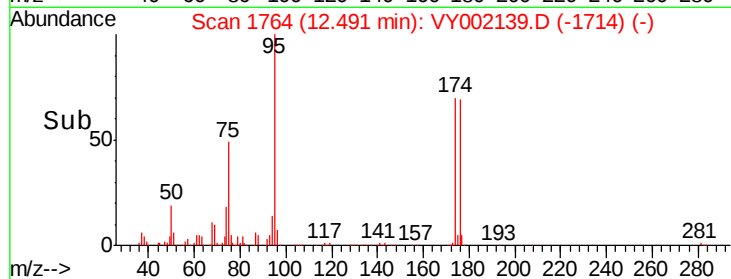
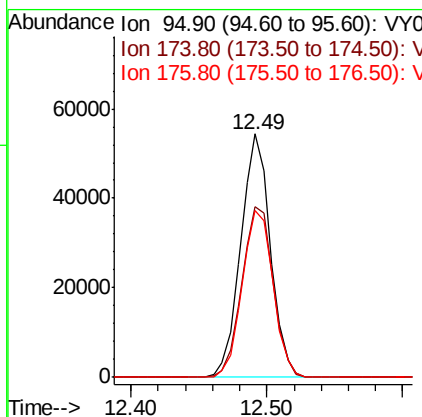
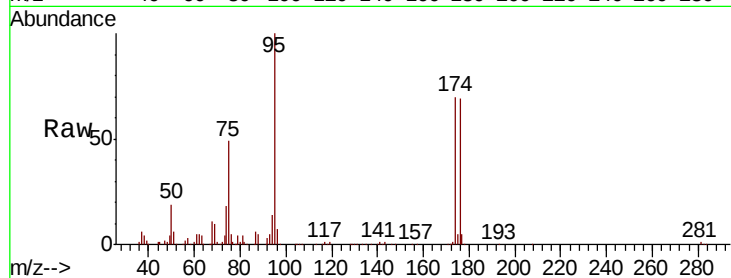




#62
4-Bromofluorobenzene
Concen: 43.619 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002139.D
Acq: 31 Mar 2020 17:29

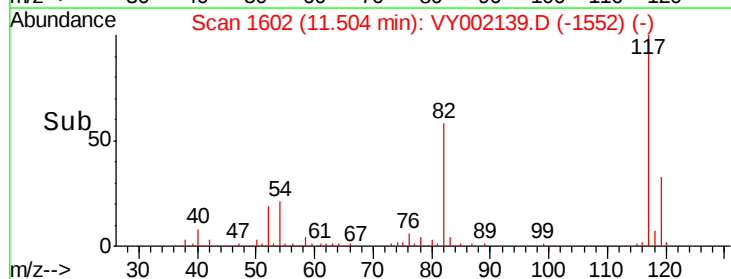
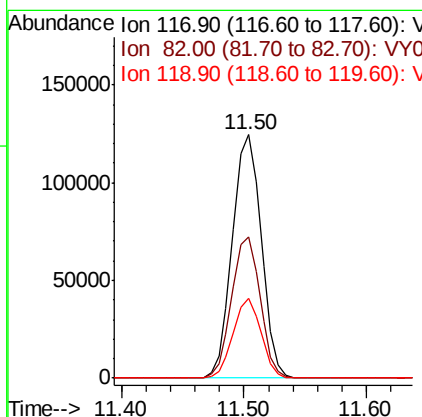
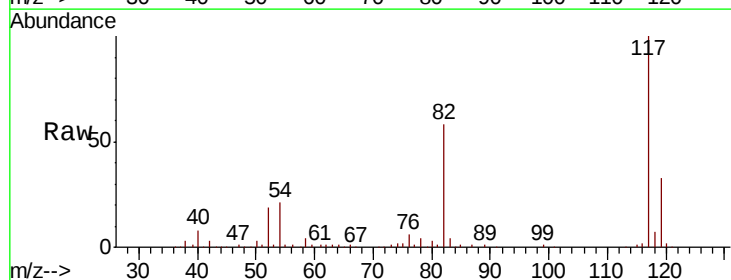
Instrument :
MSVOA_Y
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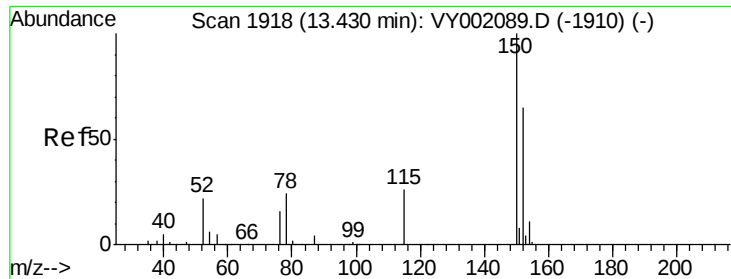
Tot Ion: 95 Resp: 82648
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.4
176 71.5 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002139.D
Acq: 31 Mar 2020 17:29

Tgt Ion: 117 Resp: 203282
Ion Ratio Lower Upper
117 100
82 58.0 45.4 68.2
119 32.9 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002139.D

Acq: 31 Mar 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

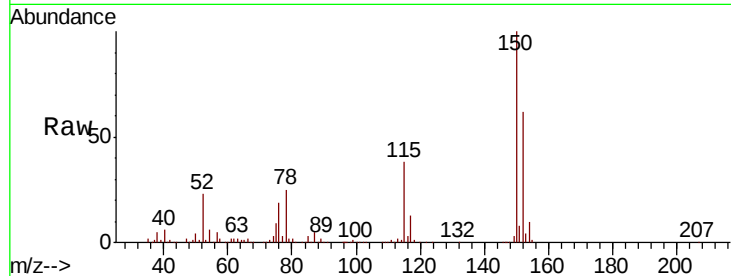
Tot Ion:152 Resp: 72670

Ion Ratio Lower Upper

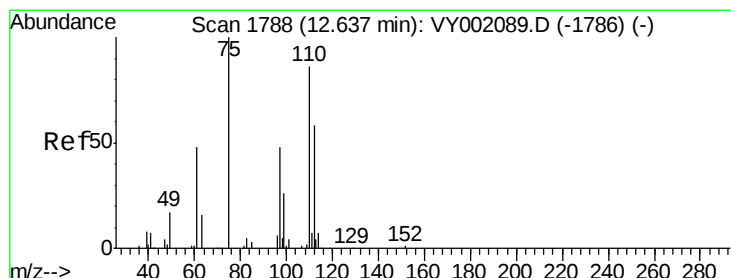
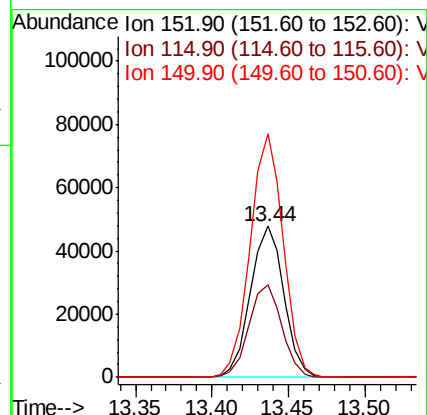
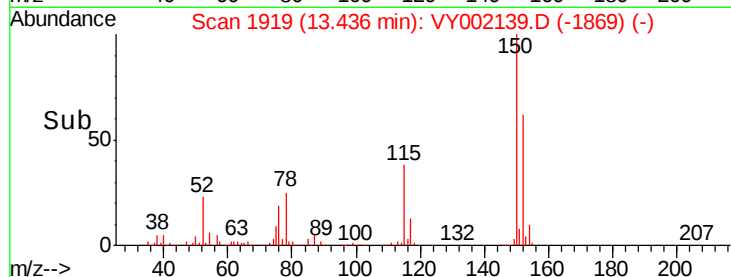
152 100

115 60.6 31.2 93.6

150 159.2 0.0 354.8



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: 52.080 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002139.D

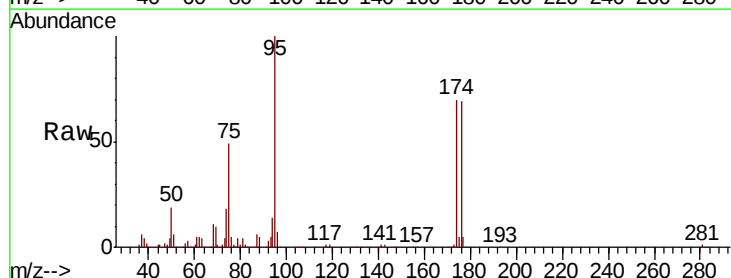
Acq: 31 Mar 2020 17:29

Tgt Ion: 75 Resp: 42335

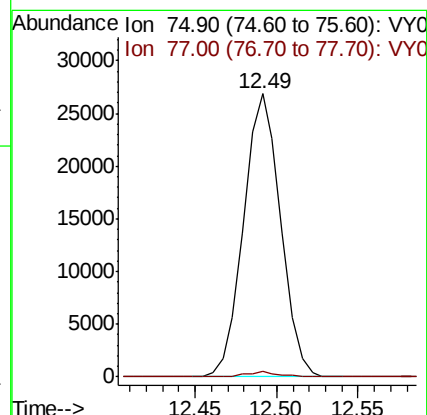
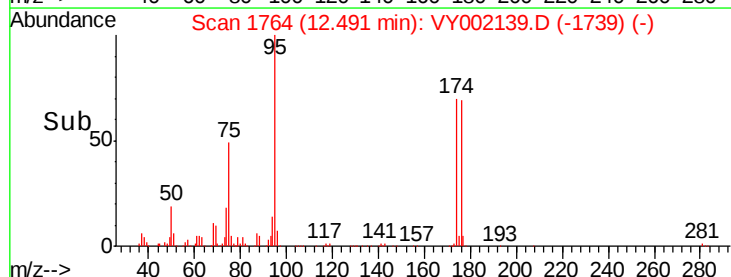
Ion Ratio Lower Upper

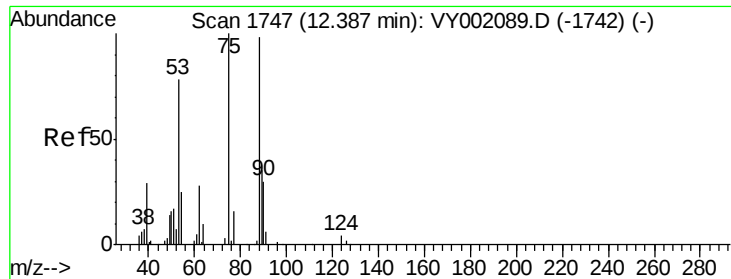
75 100

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: 100.898 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002139.D

Acq: 31 Mar 2020 17:29

Instrument :

MSVOA_Y

ClientSampleId :

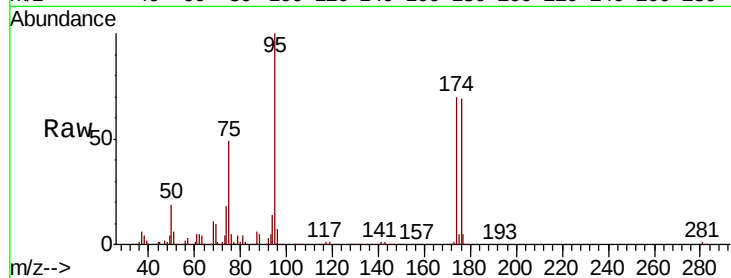
Tot Ion: 75 Resp: 42335

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.0 33.4 50.0#



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

