

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002143.D
 Acq On : 31 Mar 2020 18:58
 Operator : SY/MD
 Sample : L2097-20
 Misc : 5.51G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:01:08 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

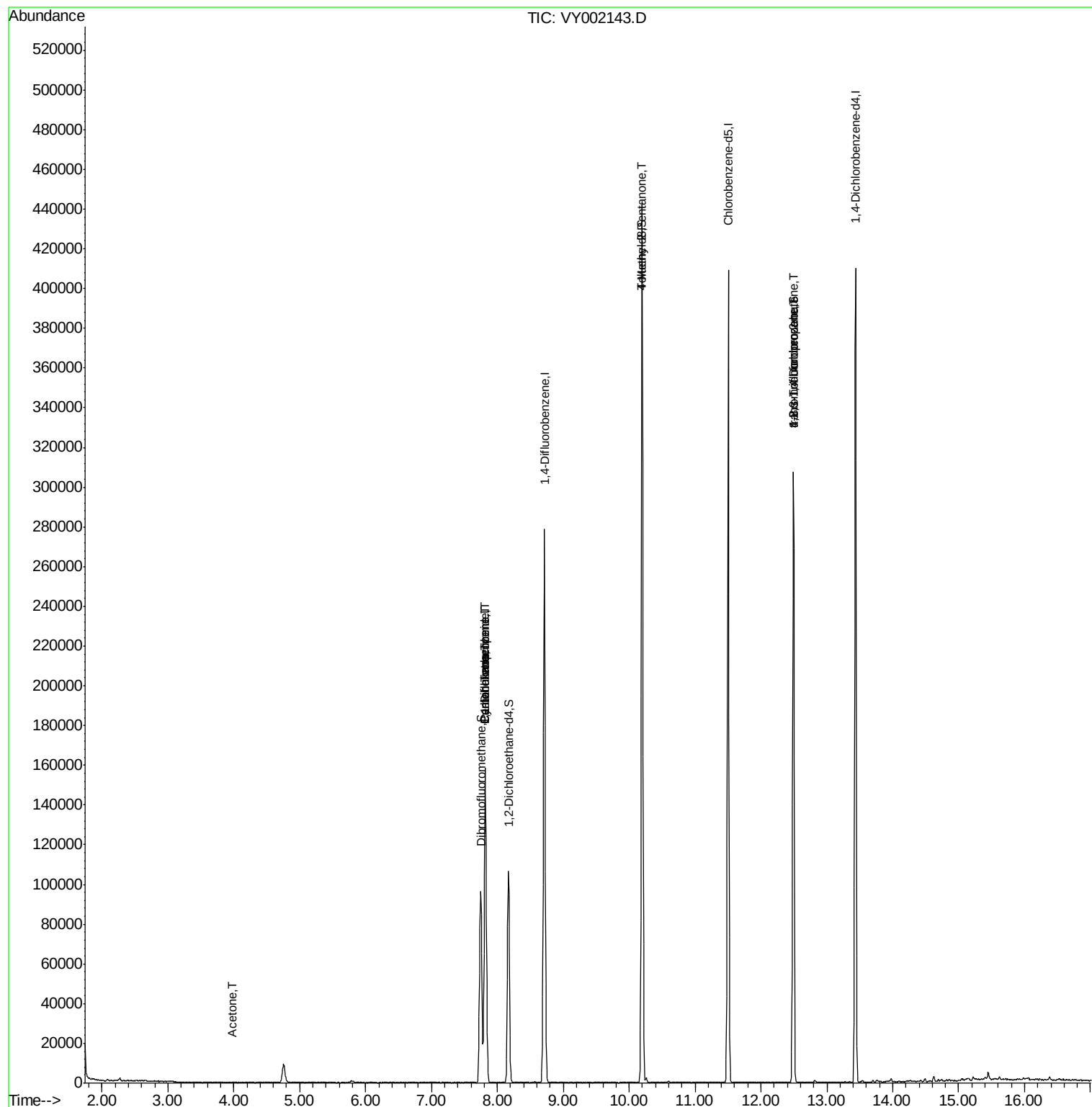
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	119218	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	234887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	219471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	98405	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	77433	58.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.50%	
35) Dibromofluoromethane	7.75	113	70105	53.27	ug/l	0.01
Spiked Amount	50.000		Recovery	=	106.54%	
50) Toluene-d8	10.19	98	286868	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
62) 4-Bromofluorobenzene	12.49	95	98475	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
Target Compounds						
					Qvalue	
16) Acetone	3.99	43	406	1.096	ug/l #	42
20) Methylene Chloride	4.75	84	6899	Below Cal		98
31) Cyclohexane	7.82	56	2758	1.004	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	9838	4.428	ug/l #	50
38) Carbon Tetrachloride	7.82	117	12389	6.573	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1362	1.061	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	49971	45.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49971	87.950	ug/l #	17

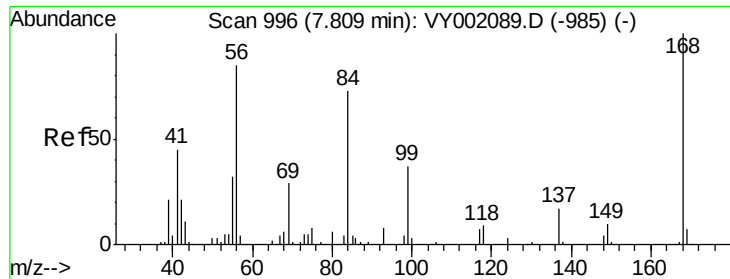
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 01 05:01:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
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: VY002143.D

Acq: 31 Mar 2020 18:58

Instrument :

MSVOA_Y

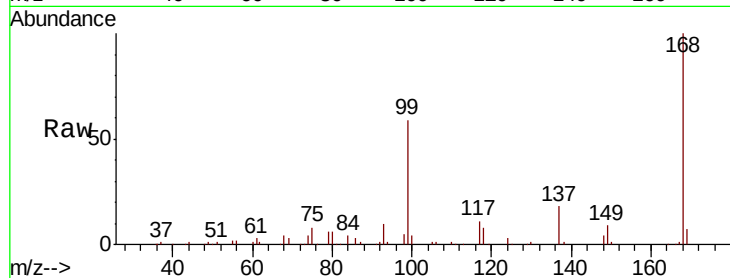
ClientSampleId :

Tot Ion:168 Resp: 119218

Ion Ratio Lower Upper

168 100

99 58.6 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.82

60000

50000

40000

30000

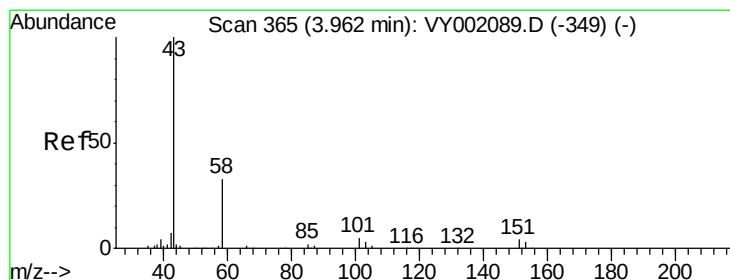
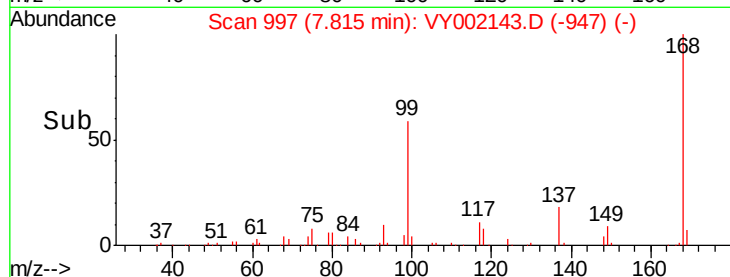
20000

10000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 1.096 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.02 min

Lab File: VY002143.D

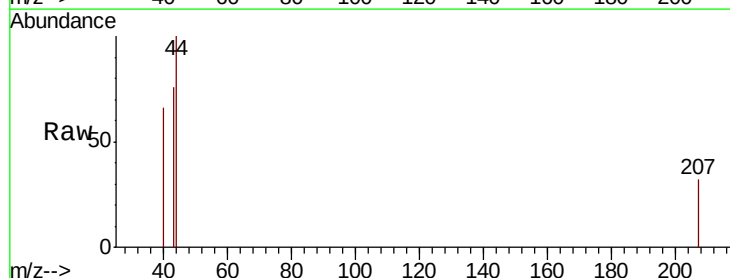
Acq: 31 Mar 2020 18:58

Tgt Ion: 43 Resp: 406

Ion Ratio Lower Upper

43 100

58 0.0 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-349) (-)

Ion 58.00 (57.70 to 58.70): VY002089.D (-349) (-)

3.99

200

150

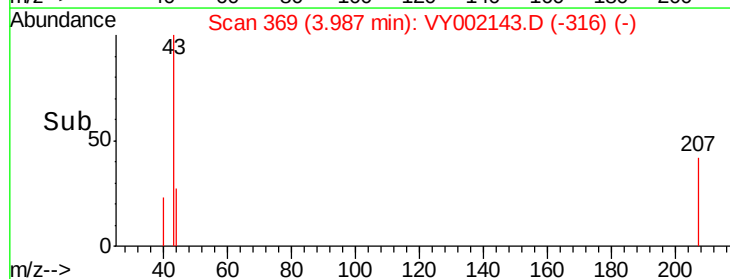
100

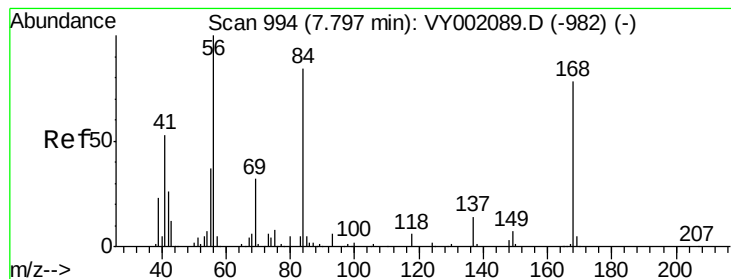
50

0

Time-->

3.95 4.00





#31

Cyclohexane

Concen: 1.004 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY002143.D

Acq: 31 Mar 2020 18:58

Instrument :
MSVOA_Y
ClientSampleId :

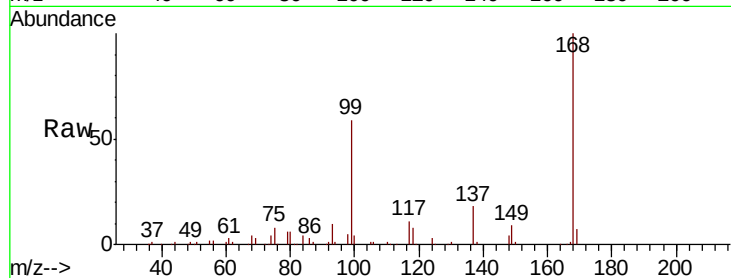
Tot Ion: 56 Resp: 2758

Ion Ratio Lower Upper

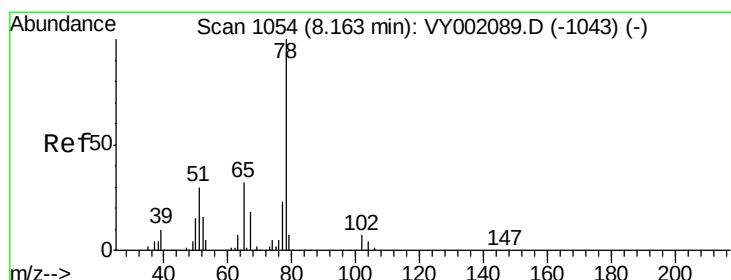
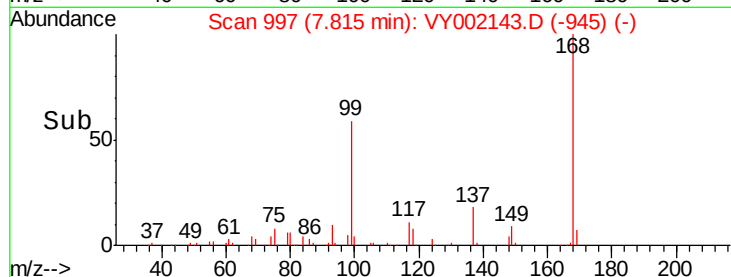
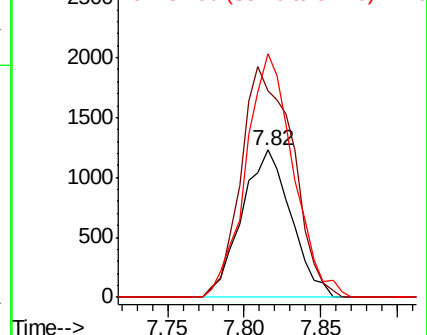
56 100

69 140.3 25.8 38.8#

84 165.6 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: 58.754 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002143.D

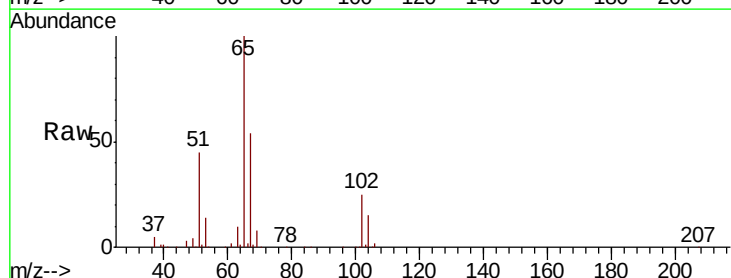
Acq: 31 Mar 2020 18:58

Tgt Ion: 65 Resp: 77433

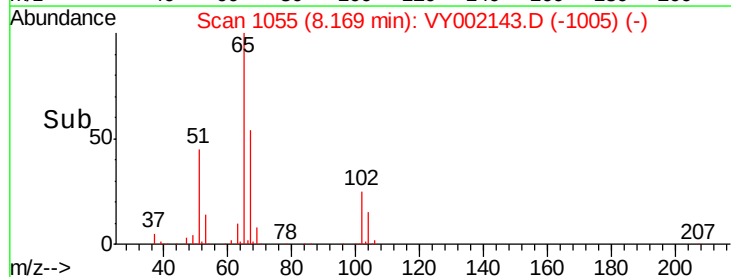
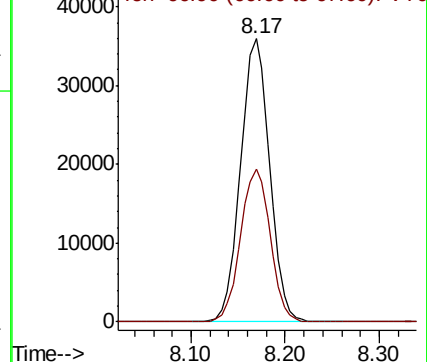
Ion Ratio Lower Upper

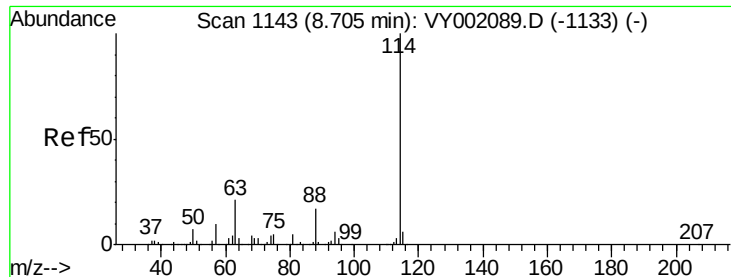
65 100

67 55.3 0.0 112.8



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

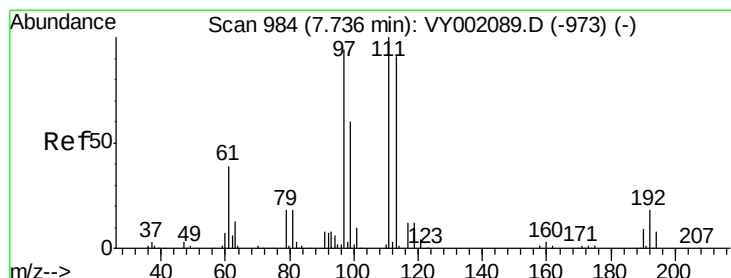
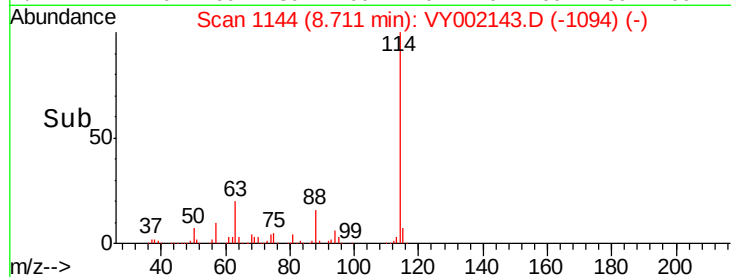
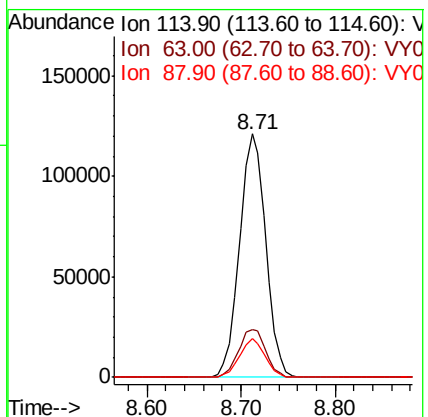
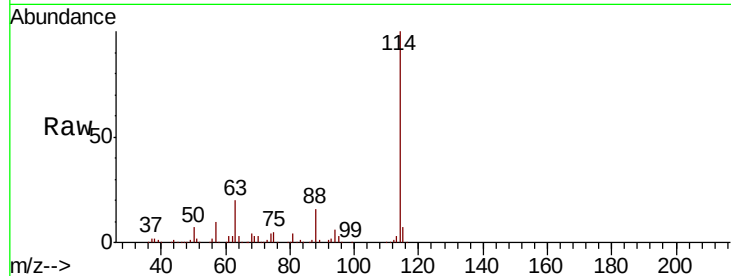




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY002143.D
 Acq: 31 Mar 2020 18:58

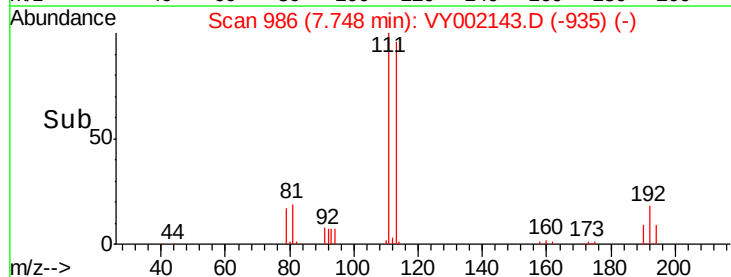
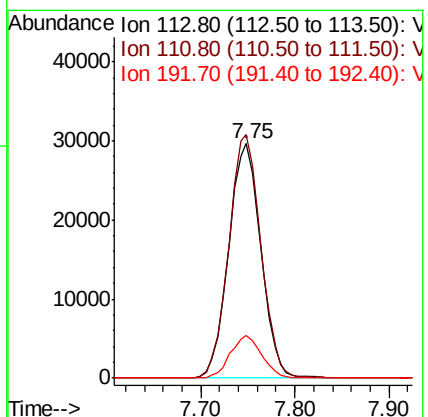
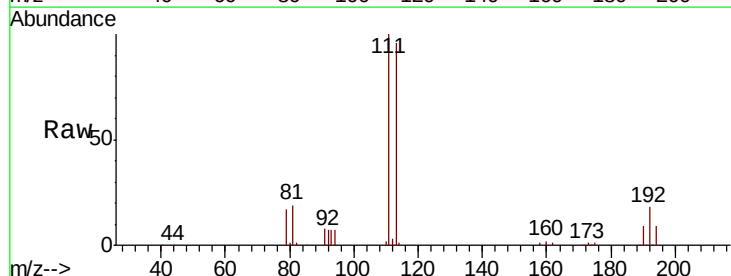
Instrument :
 MSVOA_Y
 ClientSampleId :

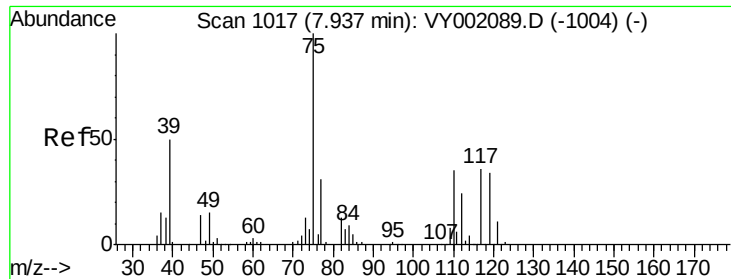
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.4
88	16.2	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 53.267 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VY002143.D
 Acq: 31 Mar 2020 18:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	84.4	126.6
192	17.8	14.6	21.8

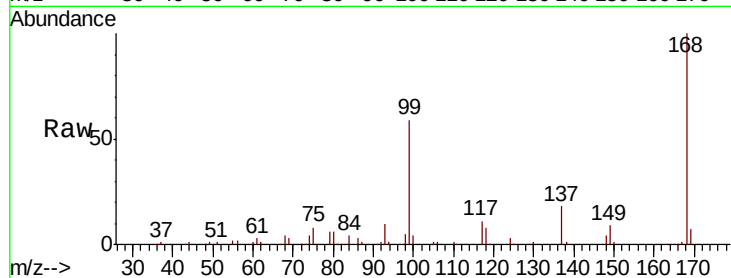




#36
 1,1-Dichloropropene
 Concen: 4.428 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.12 min
 Lab File: VY002143.D
 Acq: 31 Mar 2020 18:58

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	75	Resp	9838
Ion Ratio	Lower	Upper	
75	100		
110	8.5	17.2	51.6#
77	0.0	24.7	37.1#

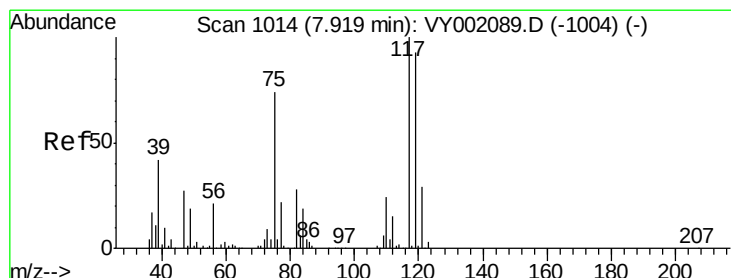
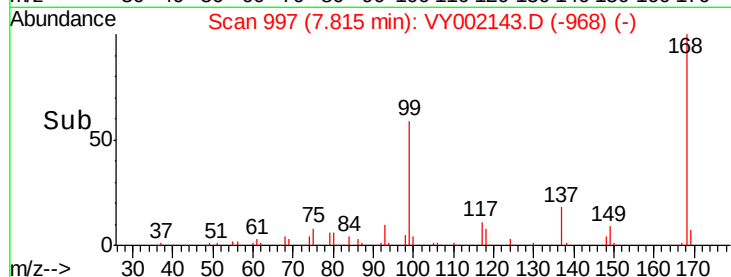
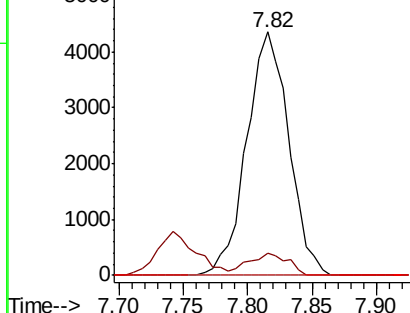


Abundance

Ion 74.90 (74.60 to 75.60): VY002143.D (-968) (-)

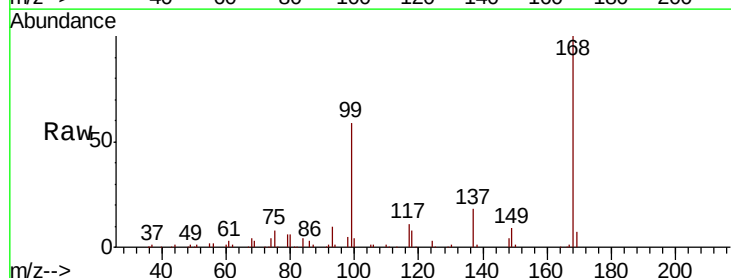
Ion 109.90 (109.60 to 110.60): VY002143.D (-968) (-)

Ion 76.90 (76.60 to 77.60): VY002143.D (-968) (-)



#38
 Carbon Tetrachloride
 Concen: 6.573 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.10 min
 Lab File: VY002143.D
 Acq: 31 Mar 2020 18:58

Tgt Ion	117	Resp	12389
Ion Ratio	Lower	Upper	
117	100		
119	4.0	74.3	111.5#
121	0.0	23.3	34.9#

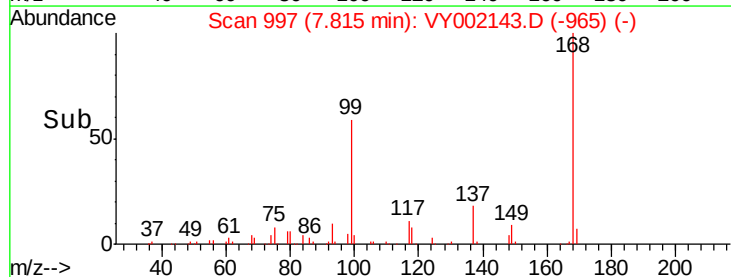
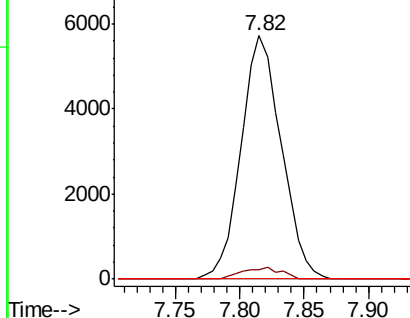


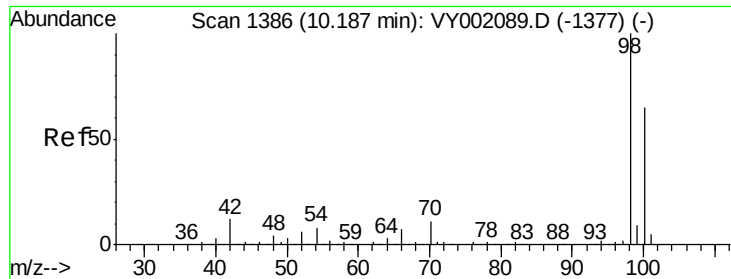
Abundance

Ion 116.80 (116.50 to 117.50): VY002143.D (-965) (-)

Ion 118.80 (118.50 to 119.50): VY002143.D (-965) (-)

Ion 120.80 (120.50 to 121.50): VY002143.D (-965) (-)





#50

Toluene-d8

Concen: 52.469 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002143.D

Acq: 31 Mar 2020 18:58

Instrument :

MSVOA_Y

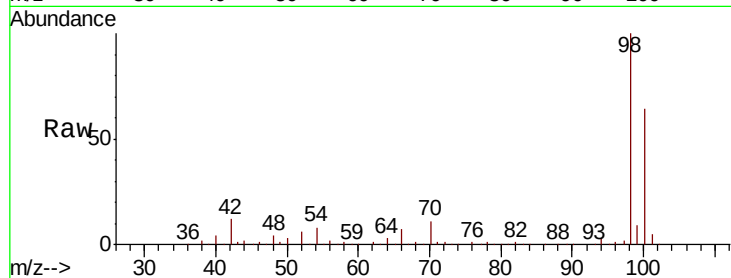
ClientSampleId :

Tot Ion: 98 Resp: 286868

Ion Ratio Lower Upper

98 100

100 65.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

200000

150000

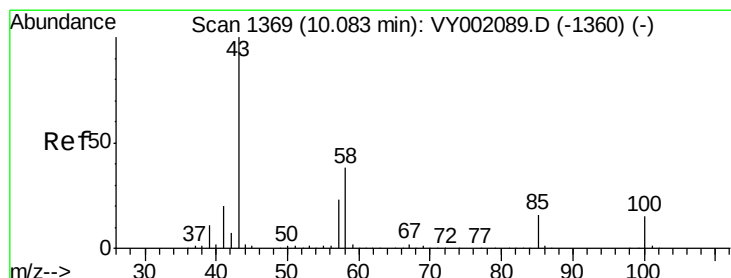
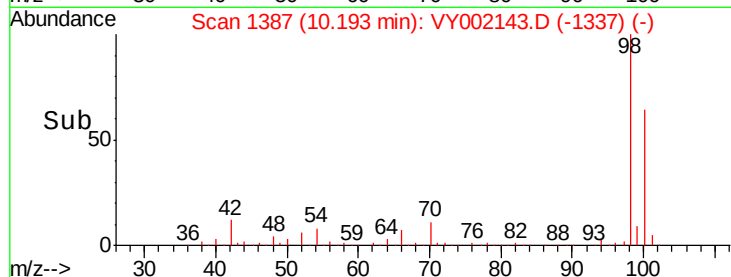
100000

50000

0

10.10 10.20 10.30

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.061 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002143.D

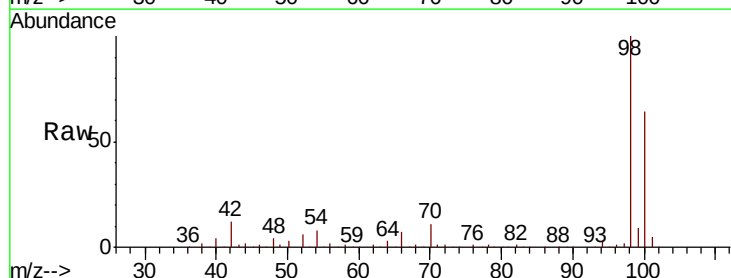
Acq: 31 Mar 2020 18:58

Tgt Ion: 43 Resp: 1362

Ion Ratio Lower Upper

43 100

58 180.6 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

1500

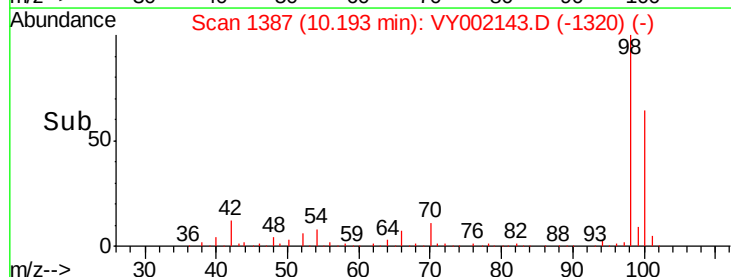
1000

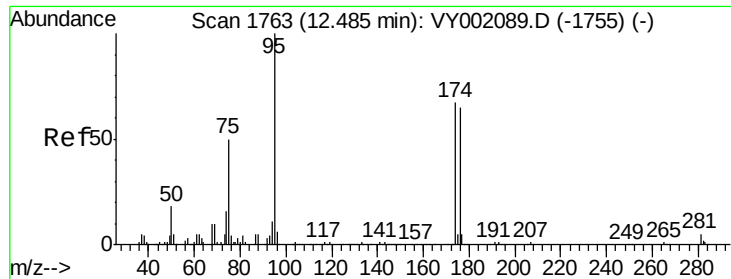
500

0

10.15 10.20 10.25

Time-->

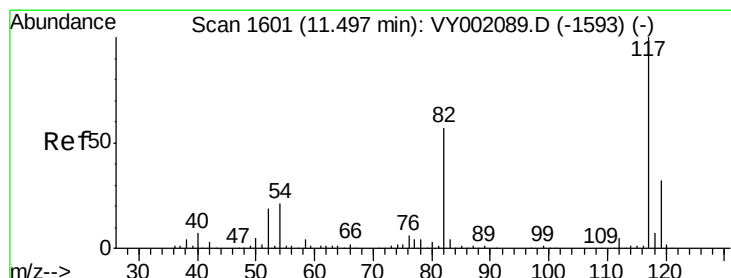
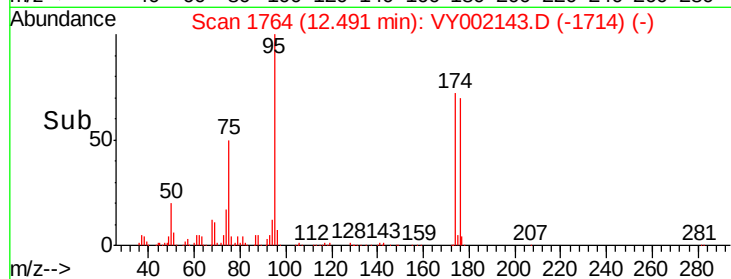
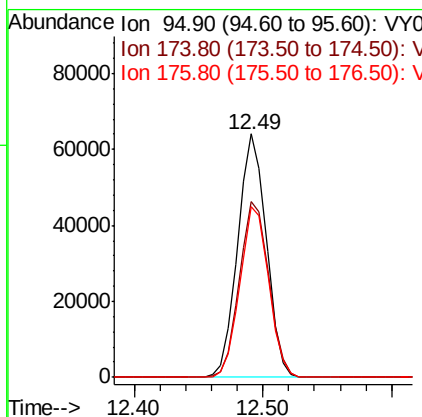
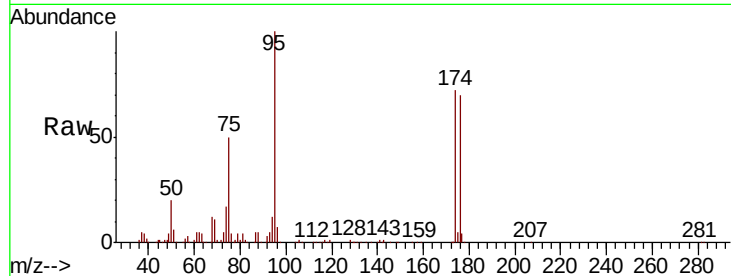




#62
4-Bromofluorobenzene
Concen: 51.500 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002143.D
Acq: 31 Mar 2020 18:58

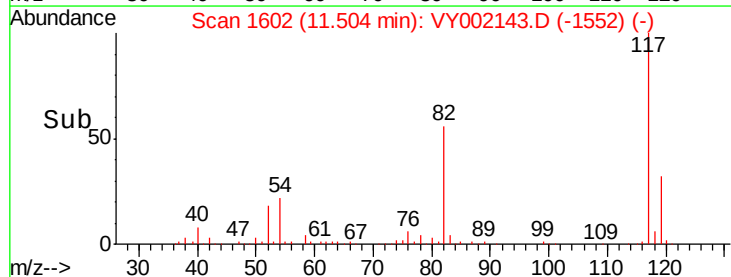
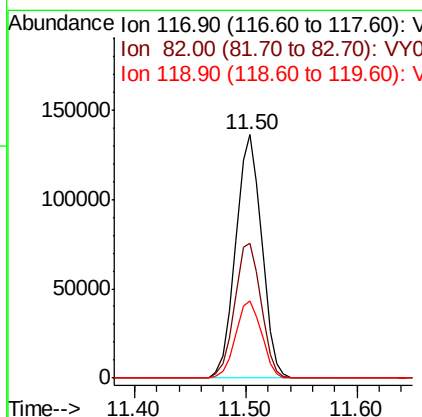
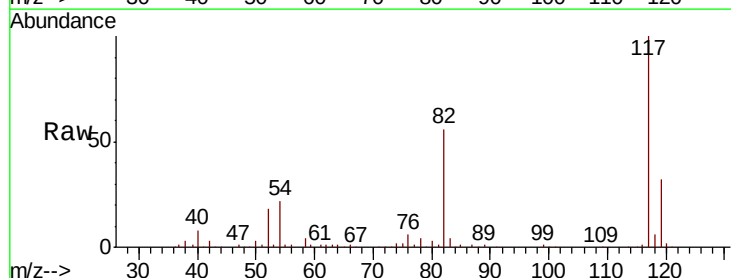
Instrument :
MSVOA_Y
ClientSampled :

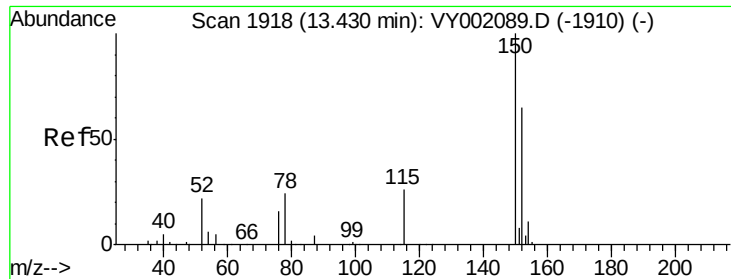
Tot Ion: 95 Resp: 98475
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.4
176 70.3 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002143.D
Acq: 31 Mar 2020 18:58

Tgt Ion: 117 Resp: 219471
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.2
119 31.8 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: VY002143.D

Acq: 31 Mar 2020 18:58

Instrument :

MSVOA_Y

ClientSampleId :

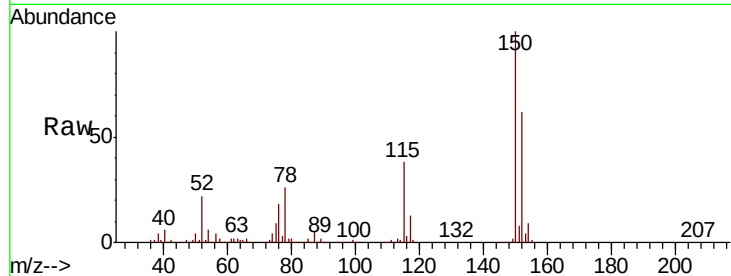
Tot Ion:152 Resp: 98405

Ion Ratio Lower Upper

152 100

115 60.4 31.2 93.6

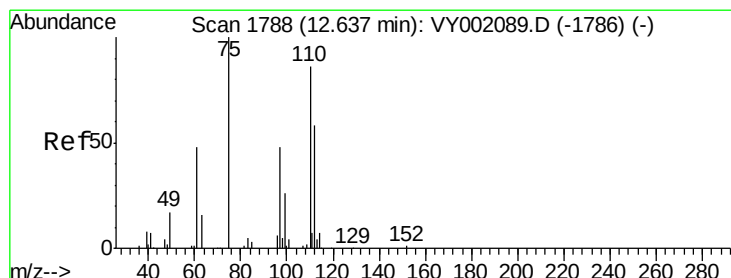
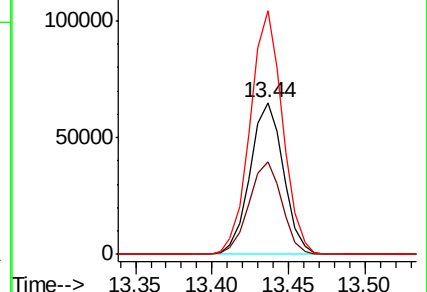
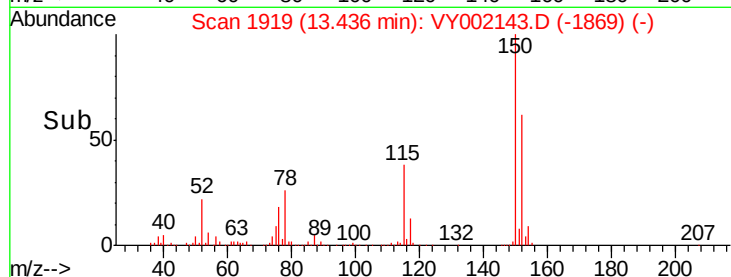
150 156.3 0.0 354.8



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: 45.397 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002143.D

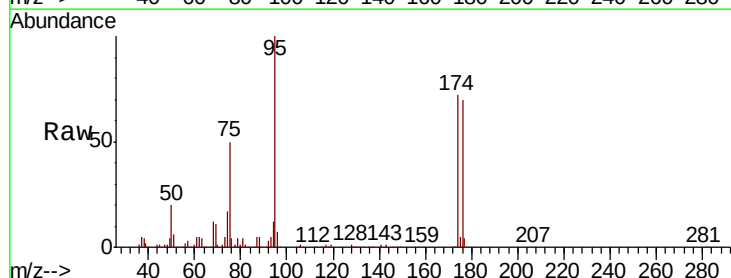
Acq: 31 Mar 2020 18:58

Tgt Ion: 75 Resp: 49971

Ion Ratio Lower Upper

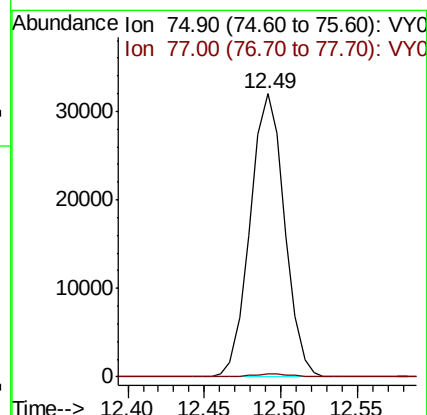
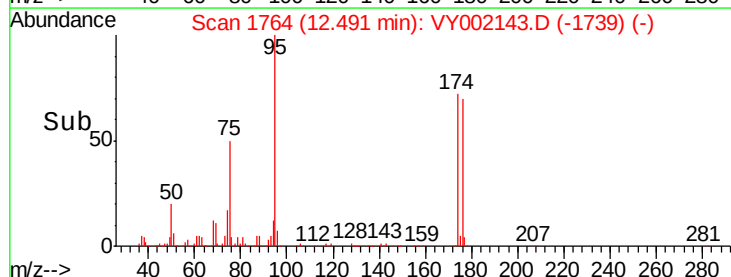
75 100

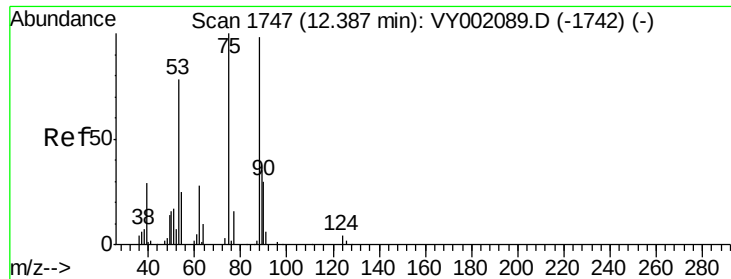
77 1.2 0.0 0.0#



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: 87.950 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002143.D

Acq: 31 Mar 2020 18:58

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 49971

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.1 33.4 50.0#

