

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY033120\
 Data File : VY002142.D
 Acq On : 31 Mar 2020 18:36
 Operator : SY/MD
 Sample : L2051-02
 Misc : 5.17G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 01 05:01:00 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

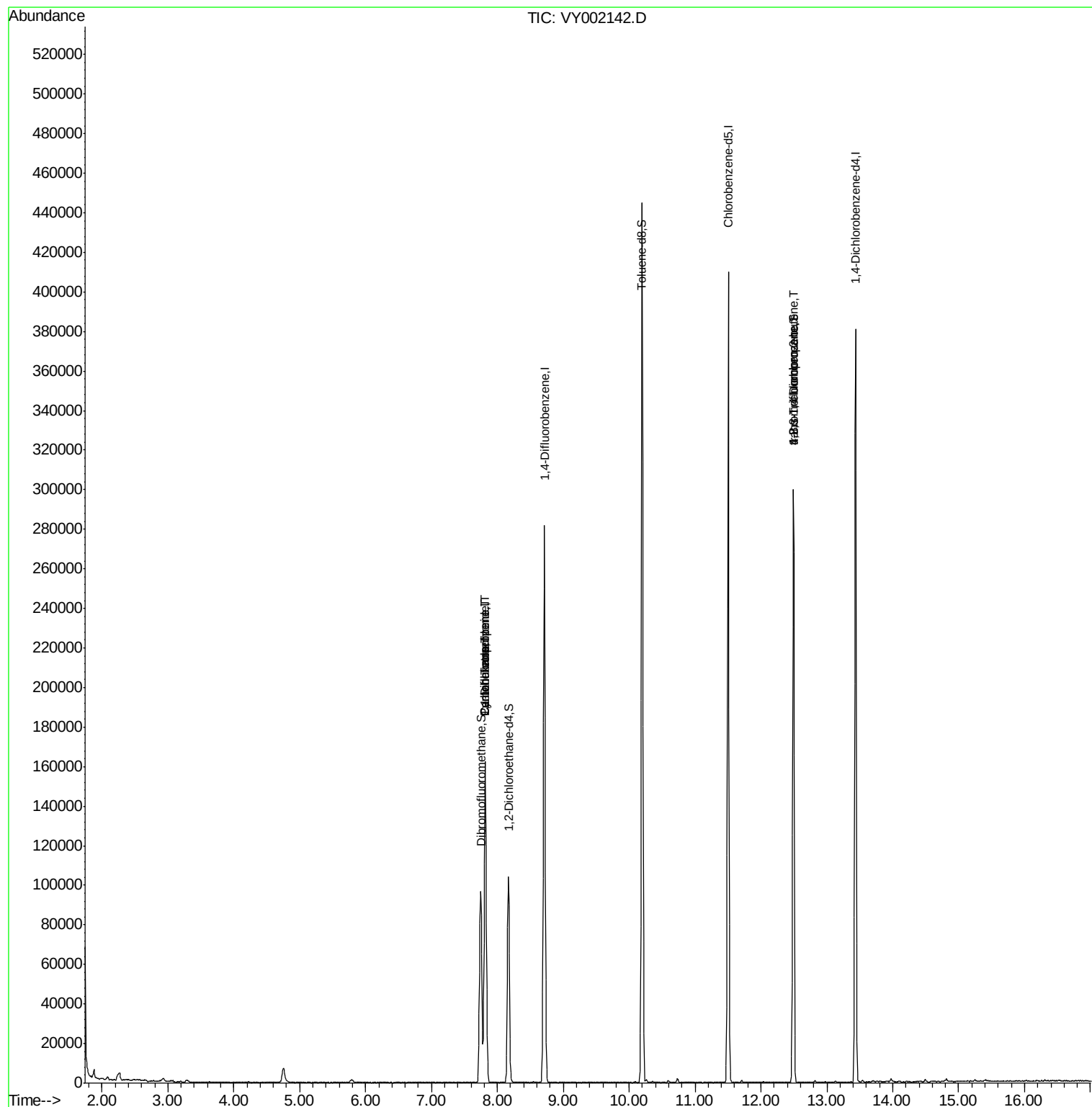
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	120444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	238534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	216682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	91746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	76317	57.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.64%	
35) Dibromofluoromethane	7.74	113	70178	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
50) Toluene-d8	10.19	98	291825	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.49	95	96326	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.22%	
Target Compounds						
2) Dichlorodifluoromethane	1.92	85	19	Below Cal	#	43
20) Methylene Chloride	4.75	84	5179	Below Cal		94
31) Cyclohexane	7.82	56	3097	1.116	ug/l #	22
36) 1,1-Dichloropropene	7.82	75	10632	4.712	ug/l #	49
38) Carbon Tetrachloride	7.82	117	12865	6.721	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	49034	47.779	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49034	92.565	ug/l #	17

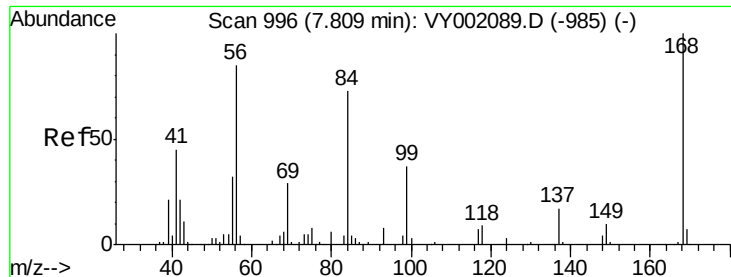
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002142.D

Acq: 31 Mar 2020 18:36

Instrument :

MSVOA_Y

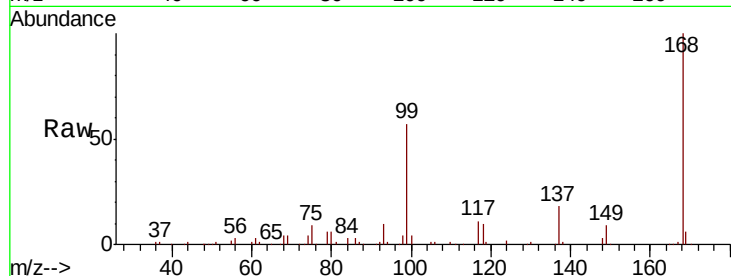
ClientSampled :

Tot Ion:168 Resp: 120444

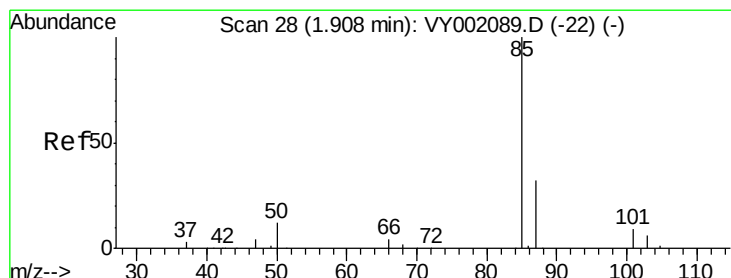
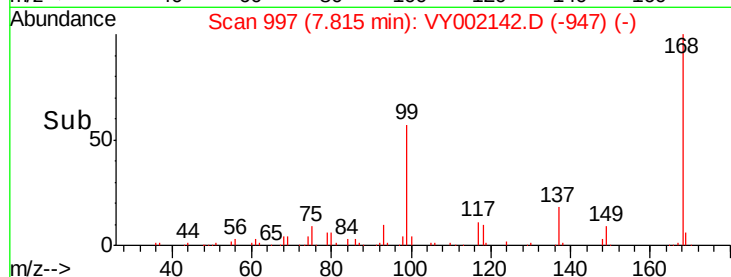
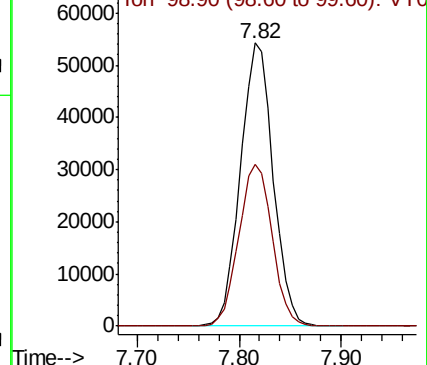
Ion Ratio Lower Upper

168 100

99 57.3 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002142.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY002142.D

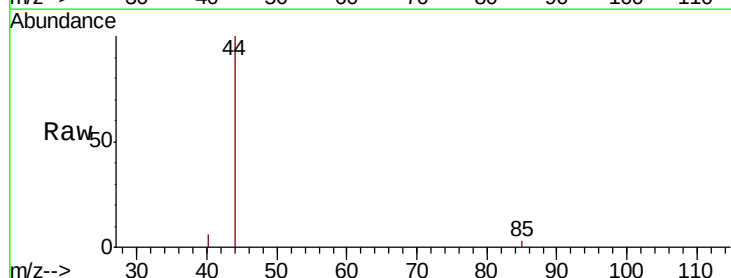
Acq: 31 Mar 2020 18:36

Tgt Ion: 85 Resp: 19

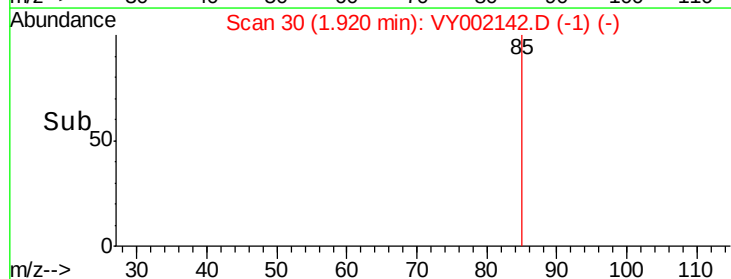
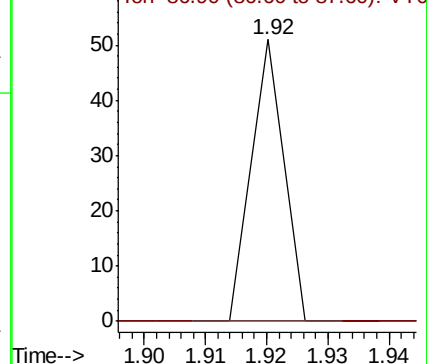
Ion Ratio Lower Upper

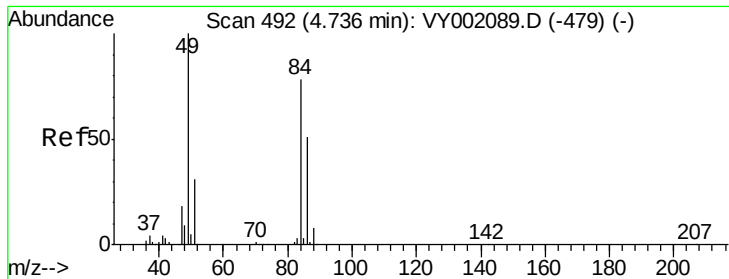
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002142.D (-1) (-)

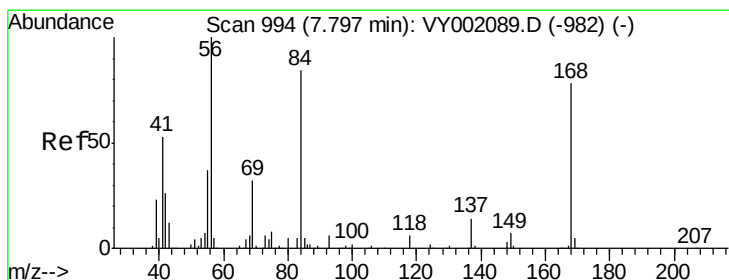
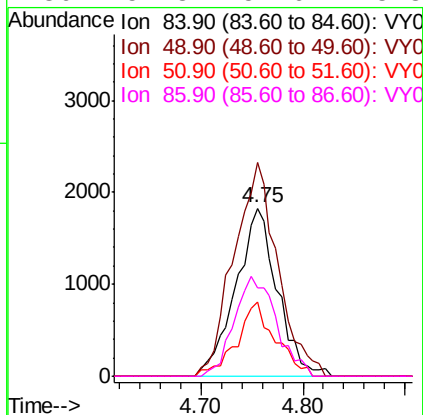
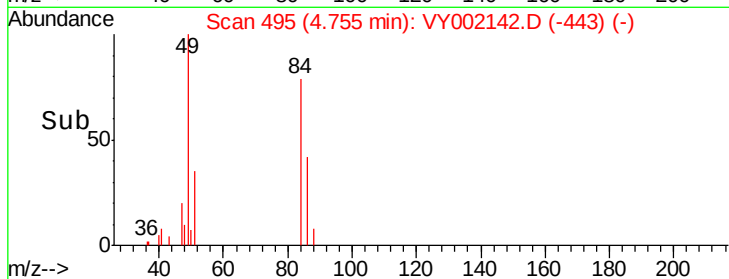
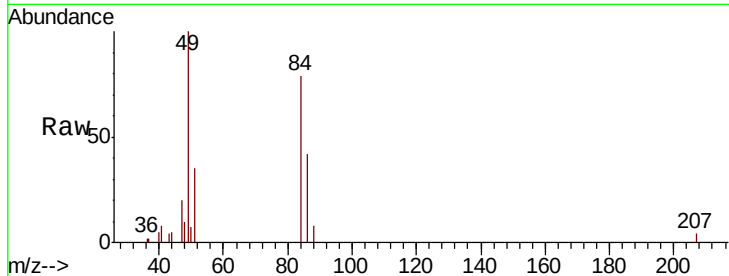




#20
Methylene Chloride
Concen: Below Cal
RT: 4.75 min Scan# 495
Delta R.T. 0.02 min
Lab File: VY002142.D
Acq: 31 Mar 2020 18:36

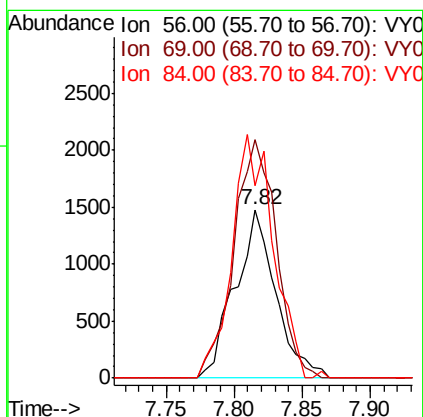
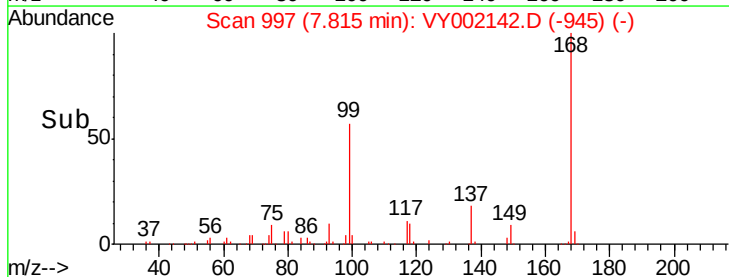
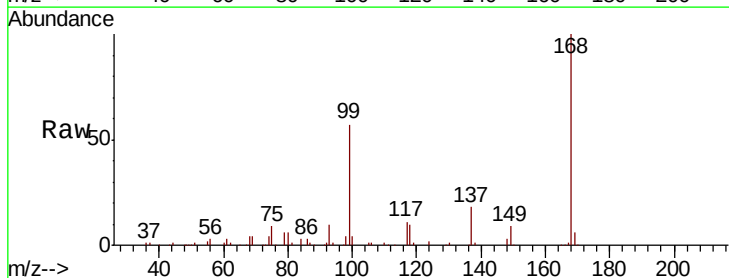
Instrument :
MSVOA_Y
ClientSampleId :

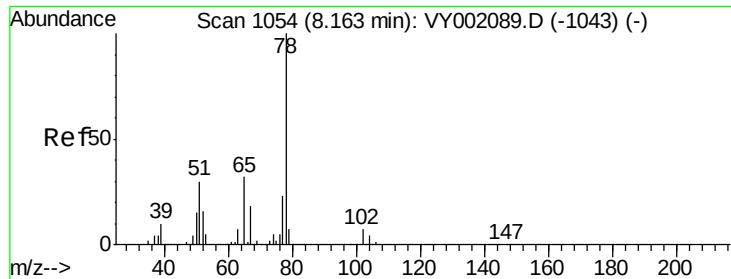
Tot Ion:	84	Resp:	5179
Ion	Ratio	Lower	Upper
84	100		
49	127.0	102.2	153.4
51	44.4	31.2	46.8
86	52.8	52.6	78.8



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.02 min
Lab File: VY002142.D
Acq: 31 Mar 2020 18:36

Tgt Ion:	56	Resp:	3097
Ion	Ratio	Lower	Upper
56	100		
69	141.7	25.8	38.8#
84	114.2	67.1	100.7#





#33

1,2-Dichloroethane-d4

Concen: 57.318 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

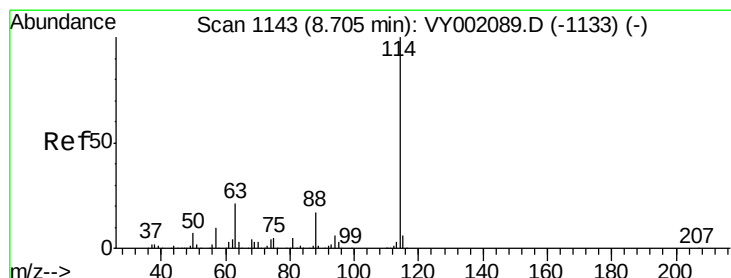
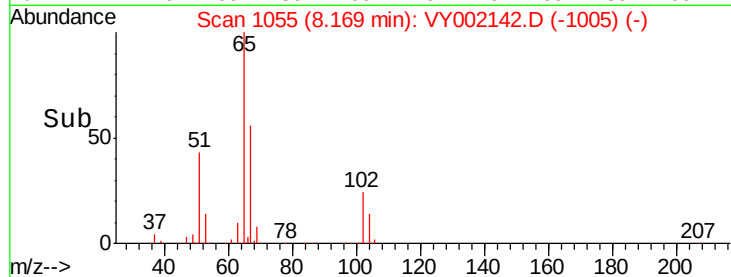
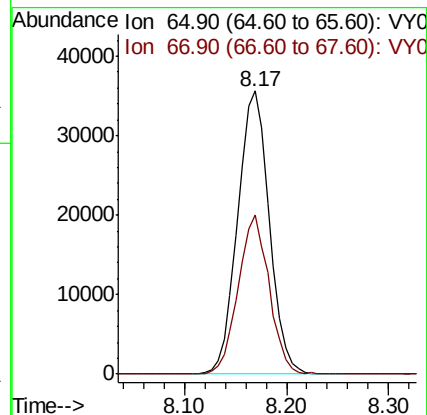
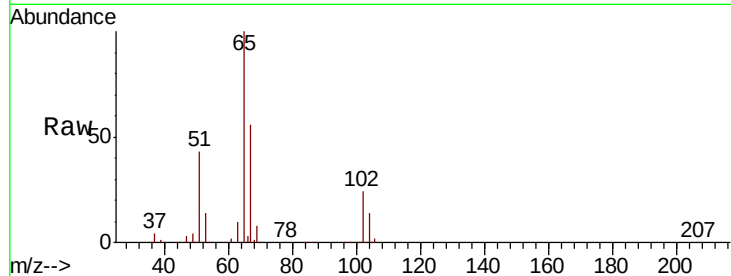
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 76317

Ion Ratio Lower Upper

65 100

67 55.0 0.0 112.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

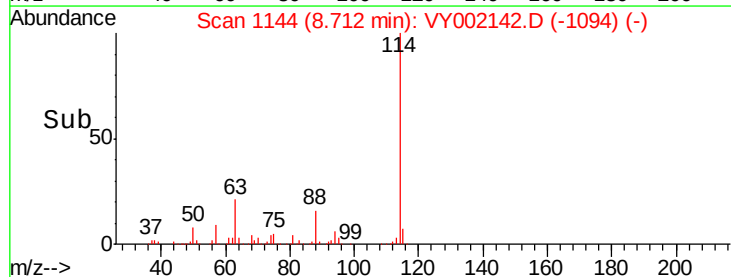
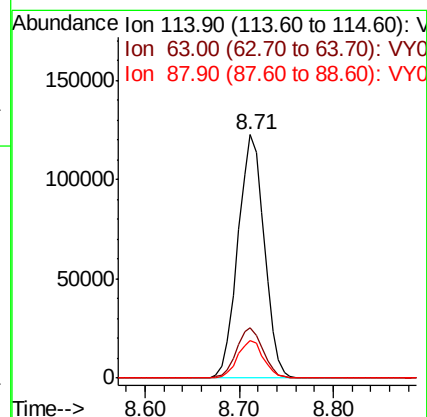
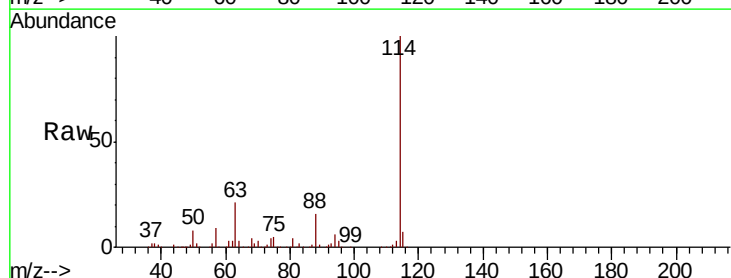
Tgt Ion: 114 Resp: 238534

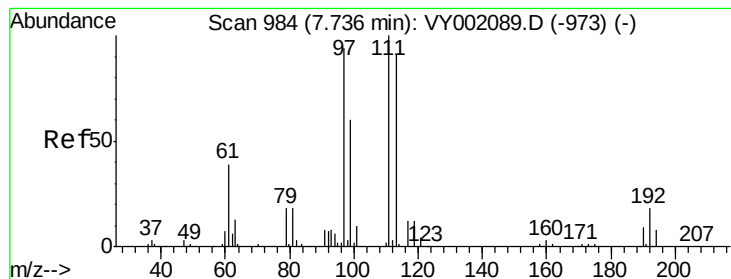
Ion Ratio Lower Upper

114 100

63 20.8 0.0 41.4

88 15.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.507 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

Instrument :

MSVOA_Y

ClientSampleId :

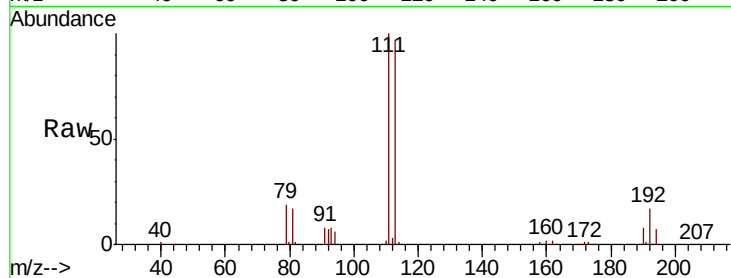
Tot Ion:113 Resp: 70178

Ion Ratio Lower Upper

113 100

111 103.8 84.4 126.6

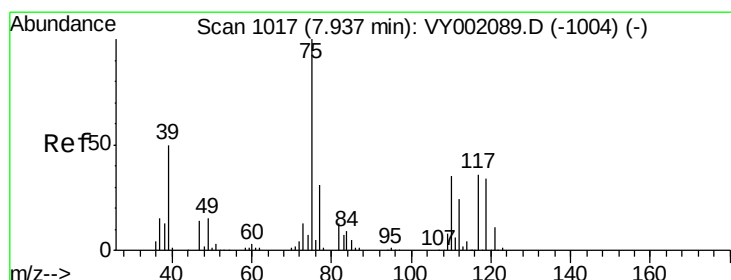
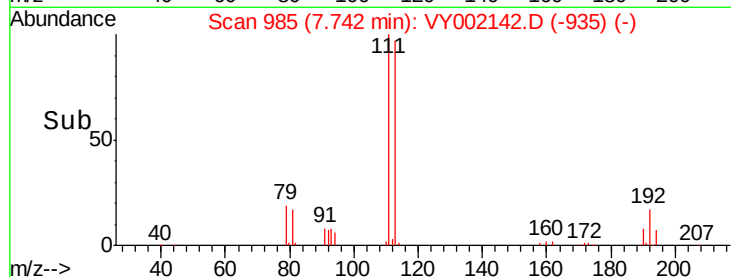
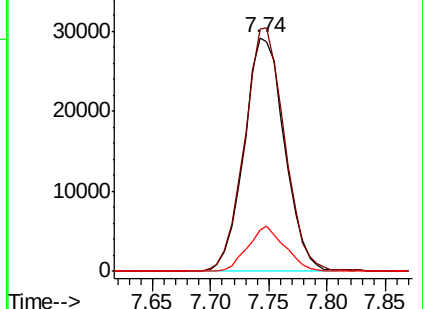
192 17.7 14.6 21.8



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: 4.712 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

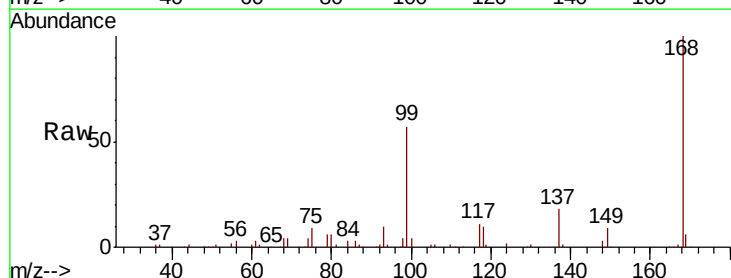
Tgt Ion: 75 Resp: 10632

Ion Ratio Lower Upper

75 100

110 8.2 17.2 51.6#

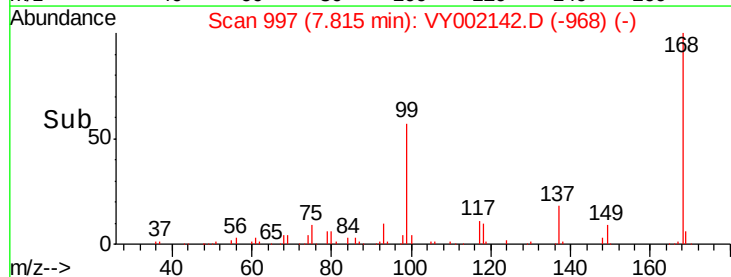
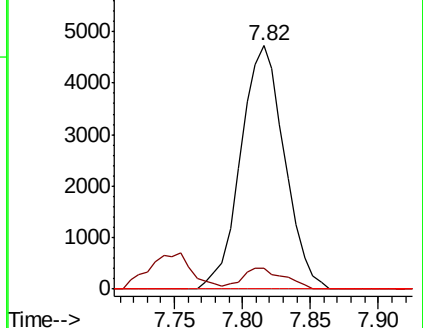
77 0.0 24.7 37.1#

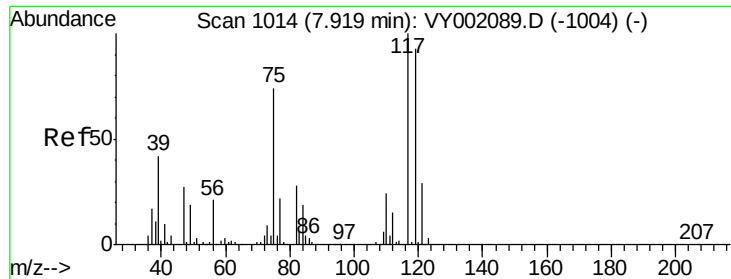


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

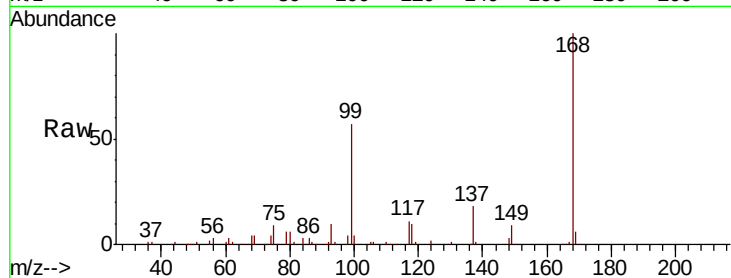




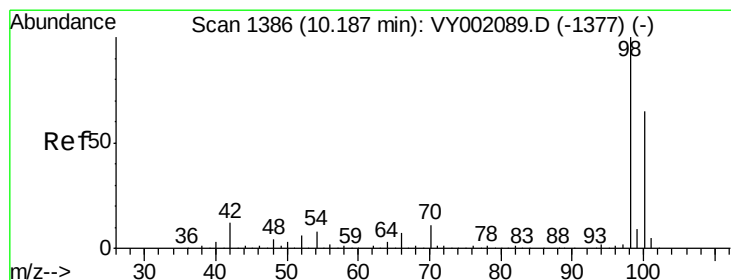
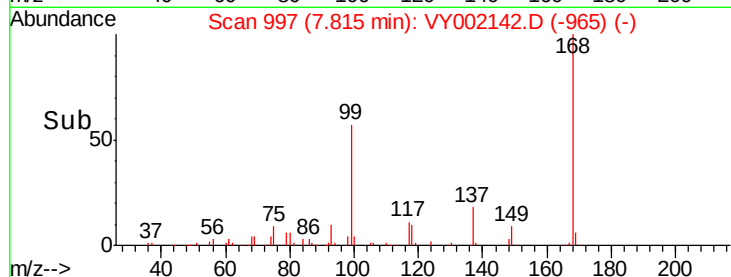
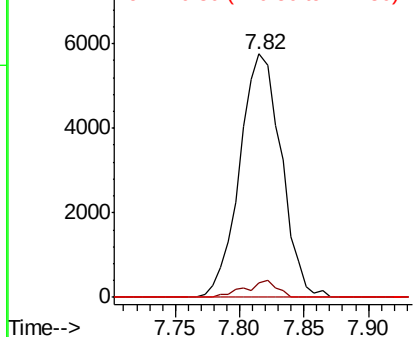
#38
Carbon Tetrachloride
Concen: 6.721 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002142.D
Acq: 31 Mar 2020 18:36

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 12865
Ion Ratio Lower Upper
117 100
119 5.7 74.3 111.5#
121 0.0 23.3 34.9#

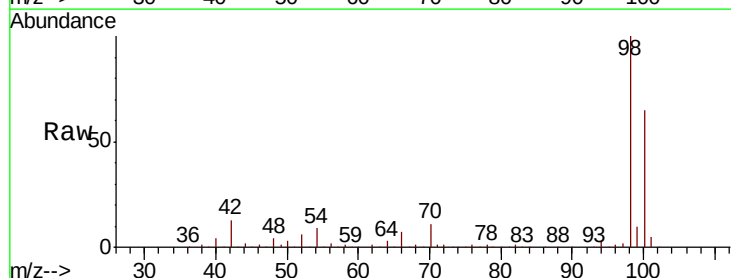


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

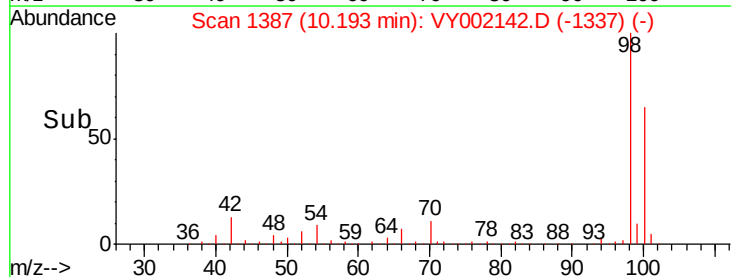
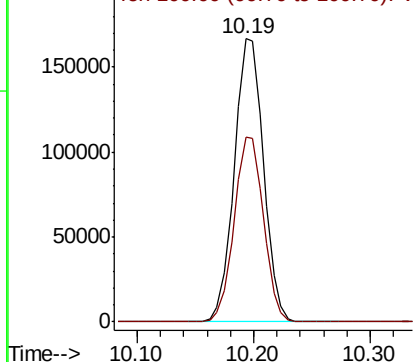


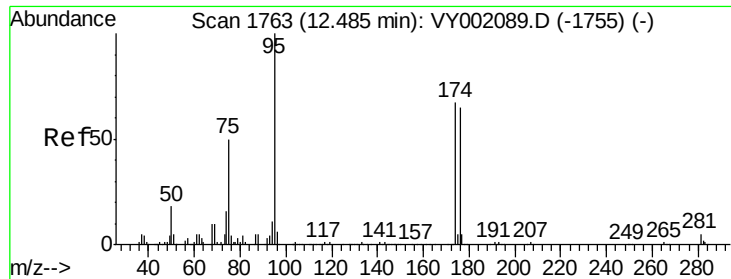
#50
Toluene-d8
Concen: 52.559 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002142.D
Acq: 31 Mar 2020 18:36

Tgt Ion: 98 Resp: 291825
Ion Ratio Lower Upper
98 100
100 65.5 51.6 77.4



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

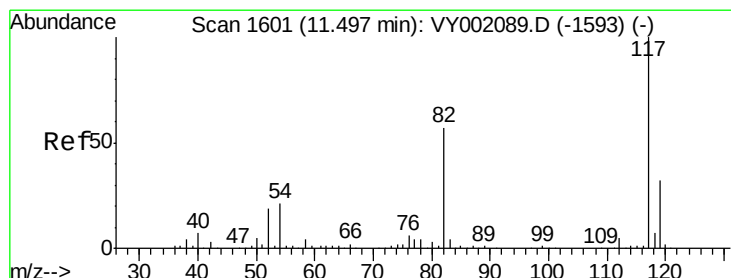
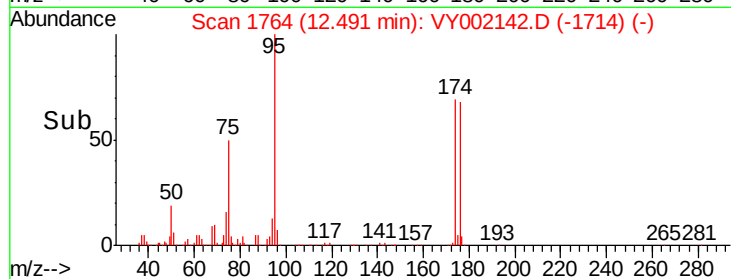
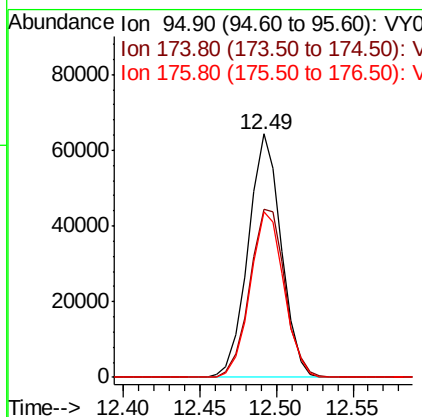
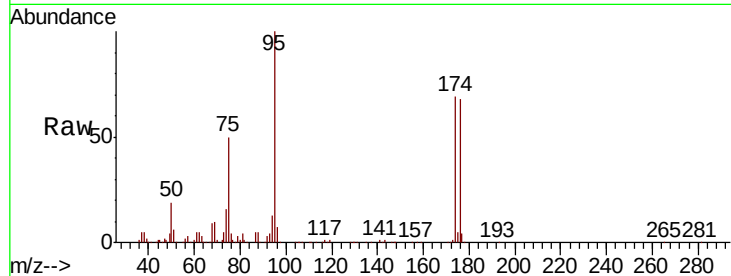




#62
4-Bromofluorobenzene
Concen: 49.606 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002142.D
Acq: 31 Mar 2020 18:36

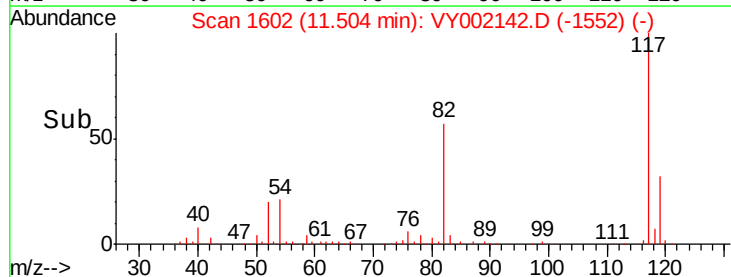
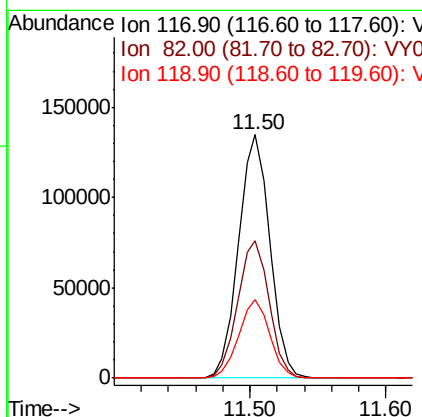
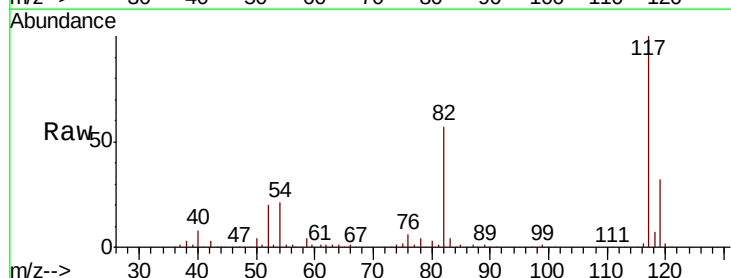
Instrument :
MSVOA_Y
ClientSampled :

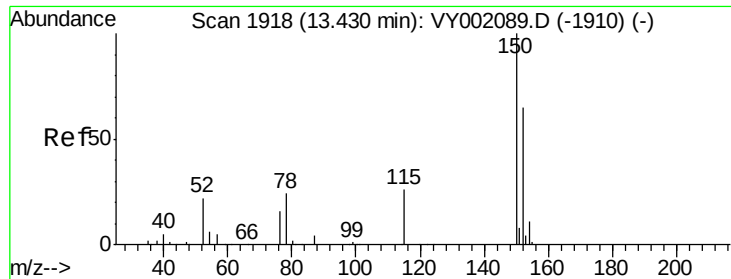
Tot Ion	95	Resp	96326
Ion Ratio	Lower	Upper	
95	100		
174	73.6	0.0	143.4
176	69.9	0.0	137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002142.D
Acq: 31 Mar 2020 18:36

Tgt Ion	117	Resp	216682
Ion Ratio	Lower	Upper	
117	100		
82	56.5	45.4	68.2
119	32.3	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: VY002142.D

Acq: 31 Mar 2020 18:36

Instrument :

MSVOA_Y

ClientSampleId :

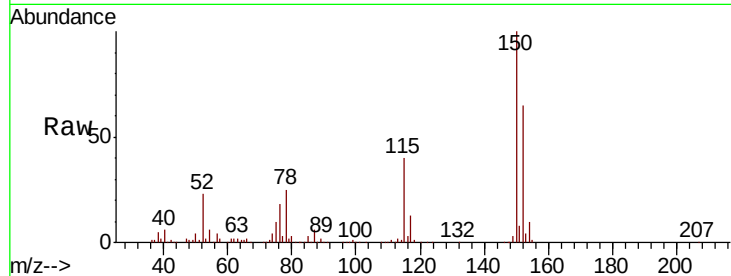
Tot Ion:152 Resp: 91746

Ion Ratio Lower Upper

152 100

115 60.1 31.2 93.6

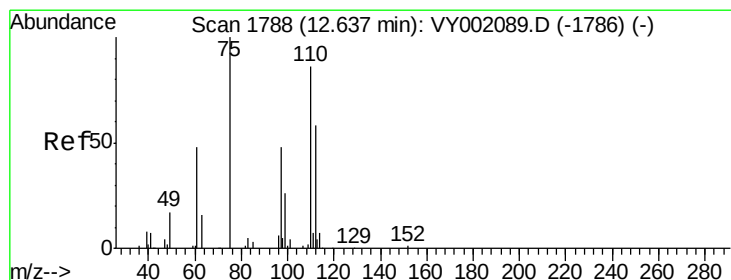
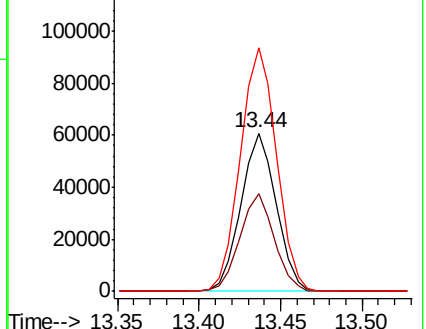
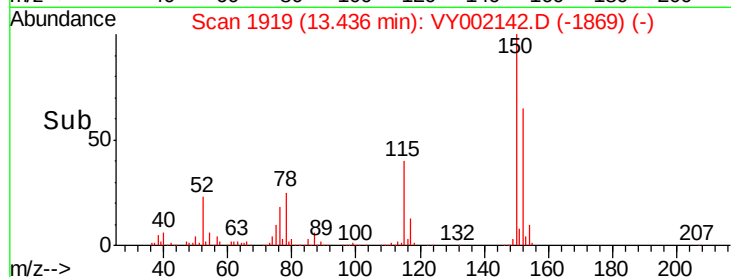
150 157.5 0.0 354.8



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: 47.779 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002142.D

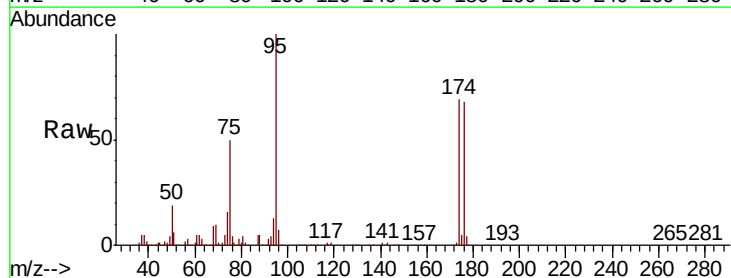
Acq: 31 Mar 2020 18:36

Tgt Ion: 75 Resp: 49034

Ion Ratio Lower Upper

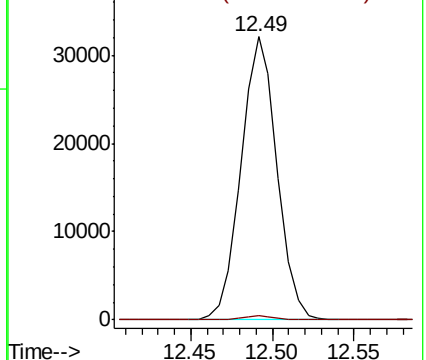
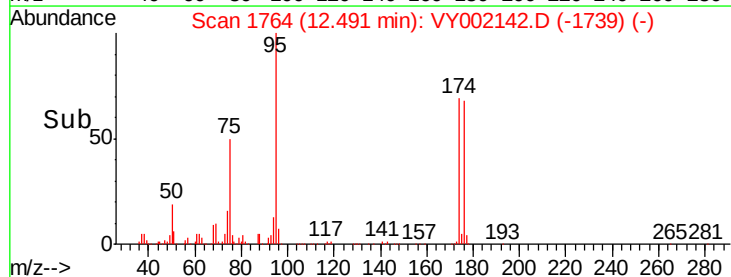
75 100

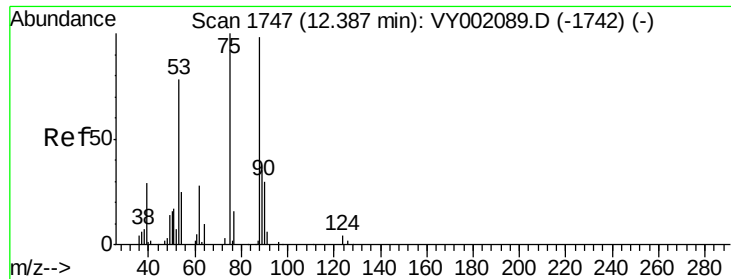
77 1.4 0.0 0.0#



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: 92.565 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002142.D

Acq: 31 Mar 2020 18:36

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 49034

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.2 33.4 50.0#

