

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040120\
 Data File : VY002161.D
 Acq On : 01 Apr 2020 14:34
 Operator : SY/MD
 Sample : L2100-01
 Misc : 3.63G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 02 06:22:43 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

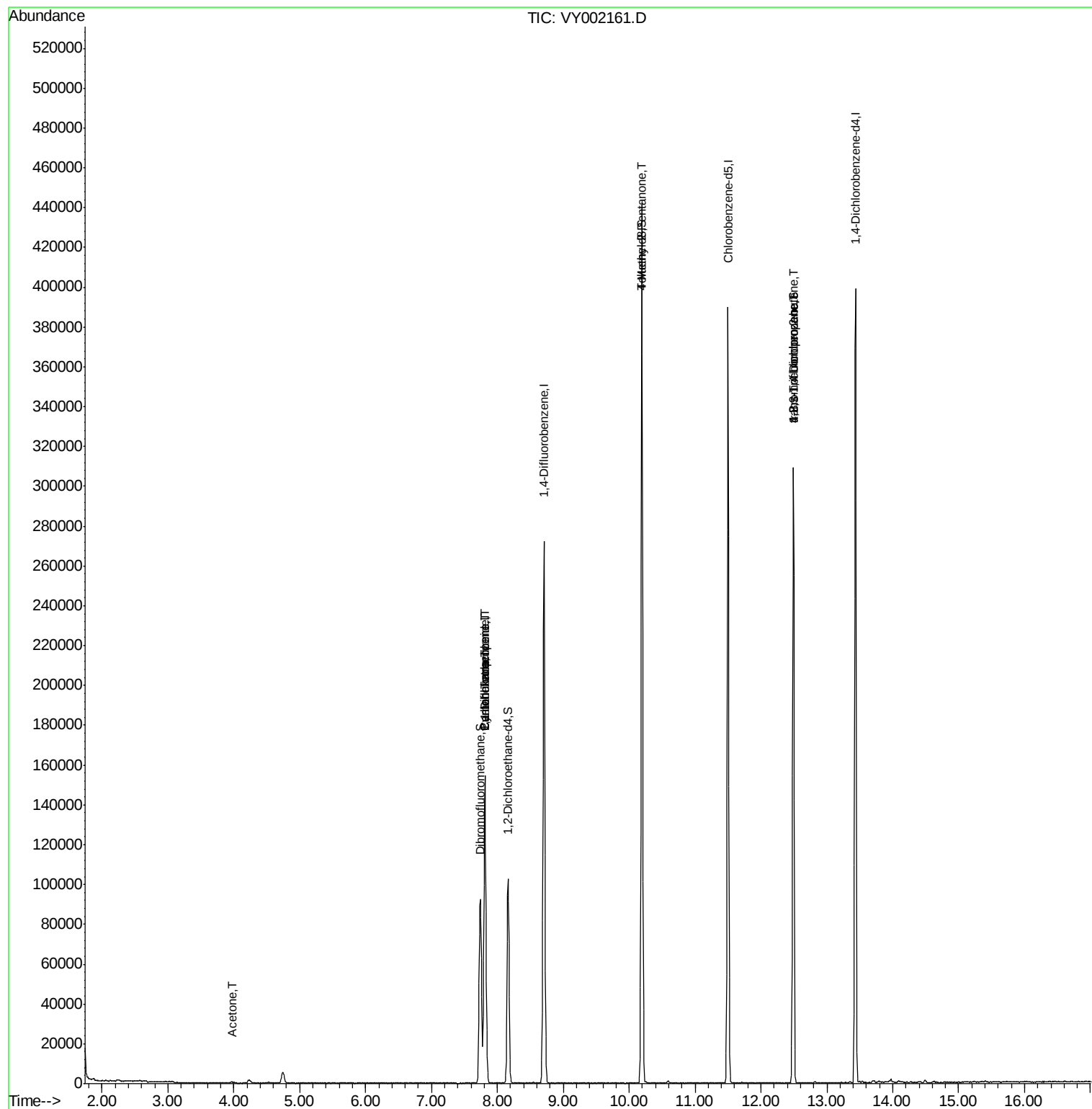
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	114362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	225661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	210794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	94345	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	74251	58.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.46%	
35) Dibromofluoromethane	7.74	113	67151	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
50) Toluene-d8	10.19	98	279061	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.49	95	96100	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.97	43	1502	4.229	ug/l #	82
20) Methylene Chloride	4.74	84	4210	Below Cal		92
31) Cyclohexane	7.81	56	2830	1.074	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	10194	4.776	ug/l #	49
38) Carbon Tetrachloride	7.82	117	11571	6.390	ug/l #	18
51) 4-Methyl-2-Pentanone	10.19	43	1317	1.068	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	49984	47.363	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	49984	91.759	ug/l #	17

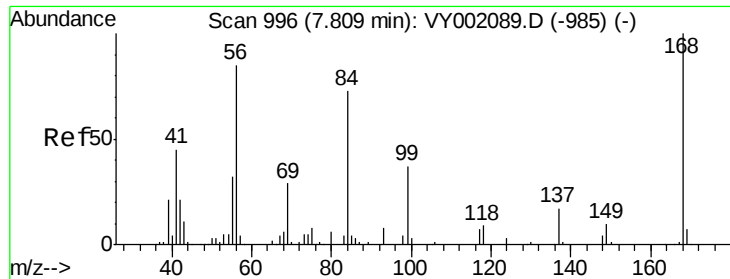
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

Instrument :

MSVOA_Y

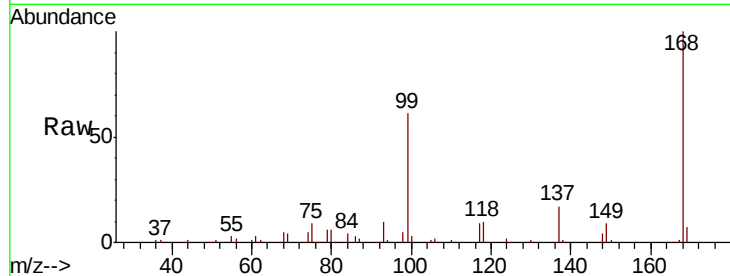
ClientSampleId :

Tot Ion:168 Resp: 114362

Ion Ratio Lower Upper

168 100

99 61.0 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002161.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY002161.D (-947) (-)

7.81

60000

50000

40000

30000

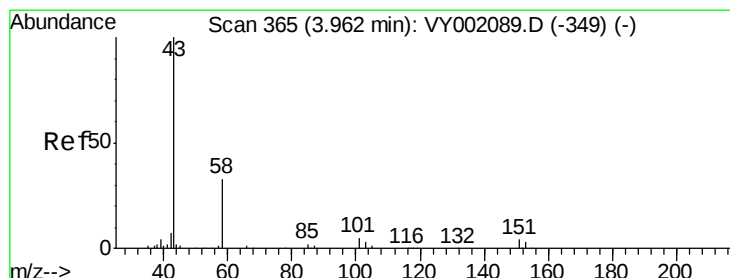
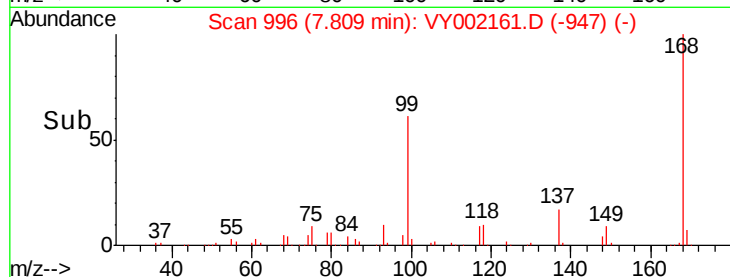
20000

10000

0

Time-->

7.70 7.80 7.90



#16

Acetone

Concen: 4.229 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002161.D

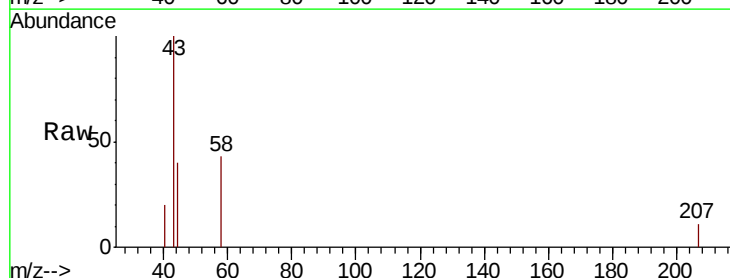
Acq: 01 Apr 2020 14:34

Tgt Ion: 43 Resp: 1502

Ion Ratio Lower Upper

43 100

58 42.9 26.3 39.5#



Abundance Ion 43.00 (42.70 to 43.70): VY002161.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VY002161.D (-316) (-)

3.97

500

400

300

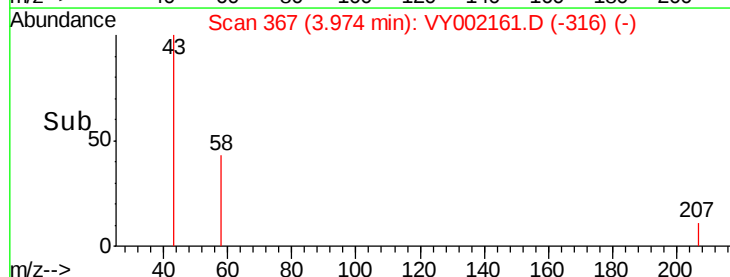
200

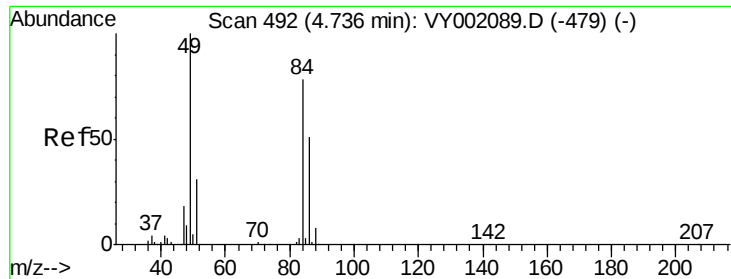
100

0

Time-->

3.90 3.95 4.00 4.05

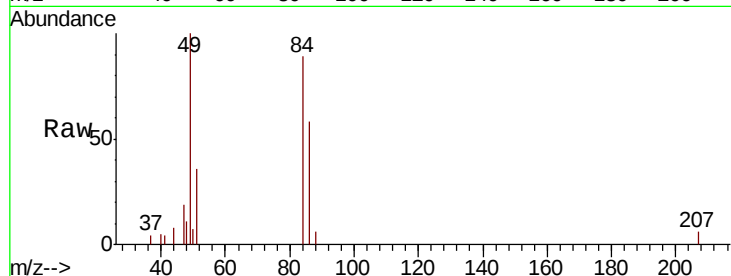




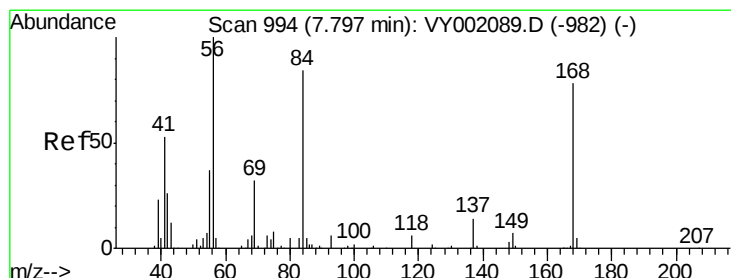
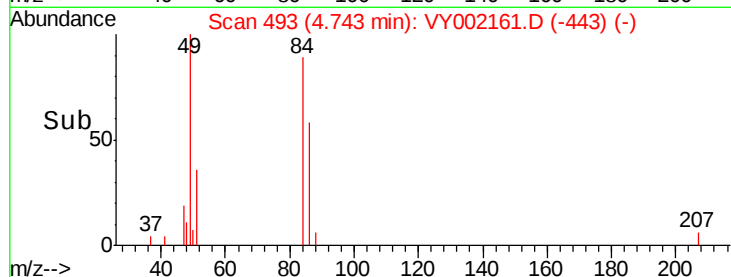
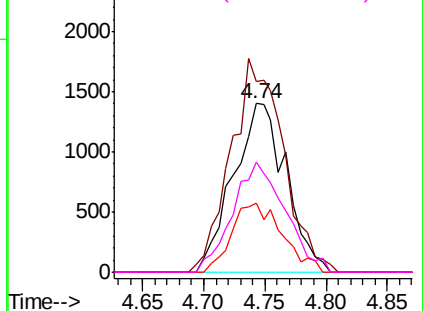
#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 493
Delta R.T. 0.01 min
Lab File: VY002161.D
Acq: 01 Apr 2020 14:34

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	84	Resp:	4210
Ion	Ratio	Lower	Upper
84	100		
49	113.0	102.2	153.4
51	40.7	31.2	46.8
86	65.0	52.6	78.8

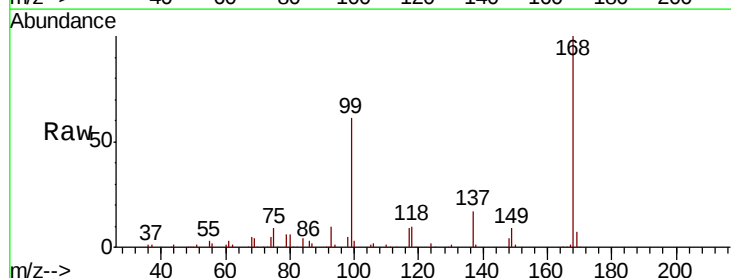


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

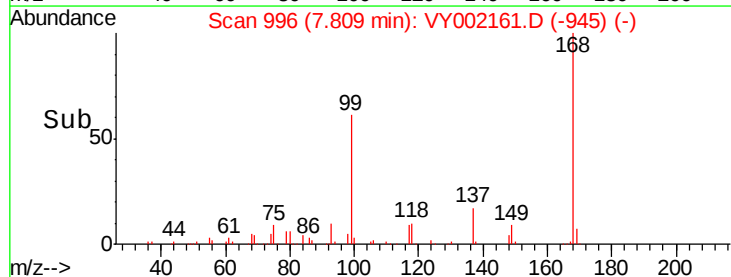
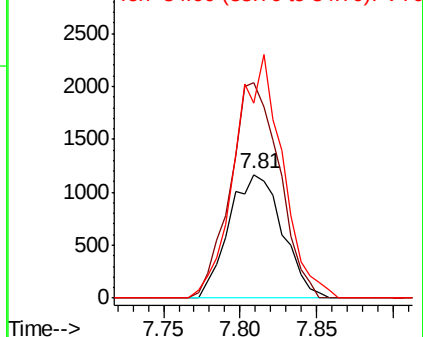


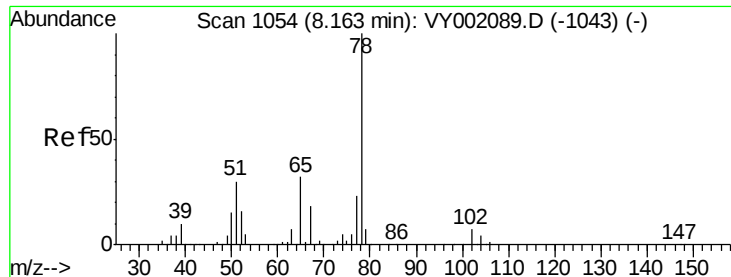
#31
Cyclohexane
Concen: 1.074 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.01 min
Lab File: VY002161.D
Acq: 01 Apr 2020 14:34

Tgt Ion:	56	Resp:	2830
Ion	Ratio	Lower	Upper
56	100		
69	174.8	25.8	38.8#
84	157.8	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: 58.732 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

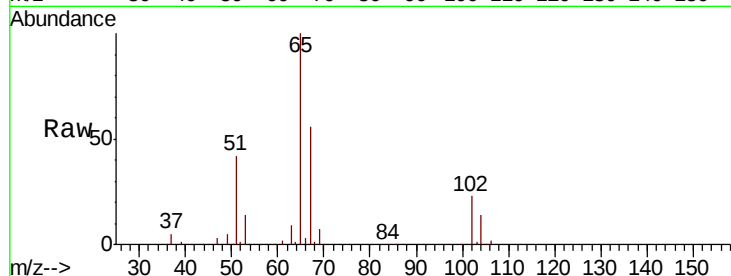
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 74251

Ion Ratio Lower Upper

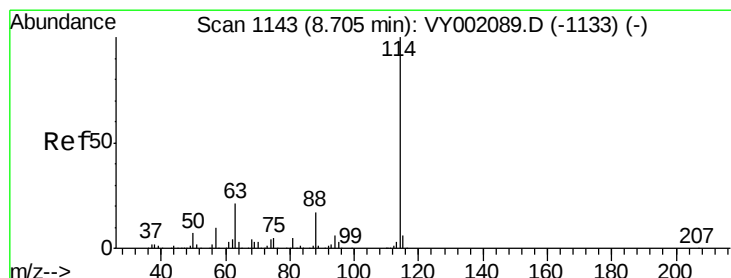
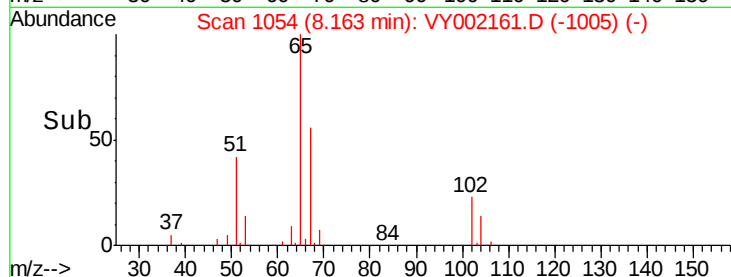
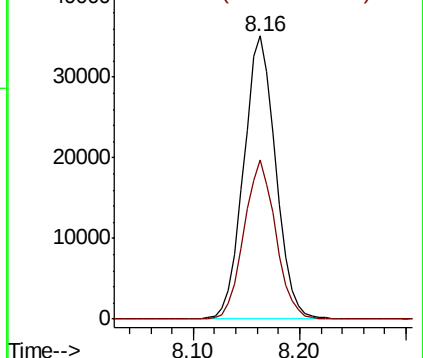
65 100

67 55.4 0.0 112.8



Abundance Ion 64.90 (64.60 to 65.60): VY002161.D (-1005) (-)

Ion 66.90 (66.60 to 67.60): VY002161.D (-1005) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

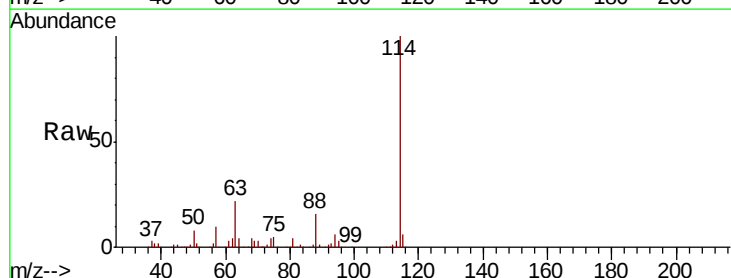
Tgt Ion: 114 Resp: 225661

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.4

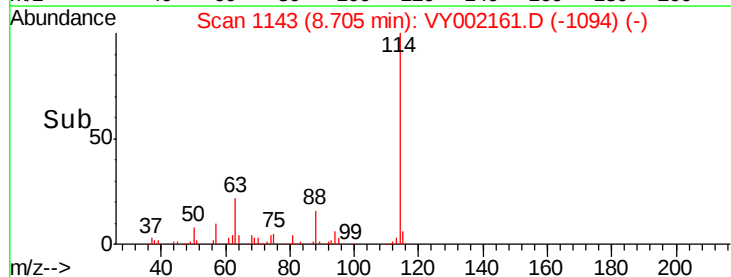
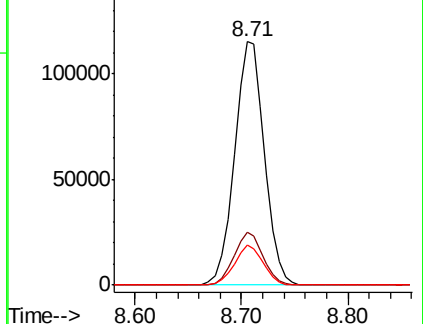
88 16.4 0.0 33.0

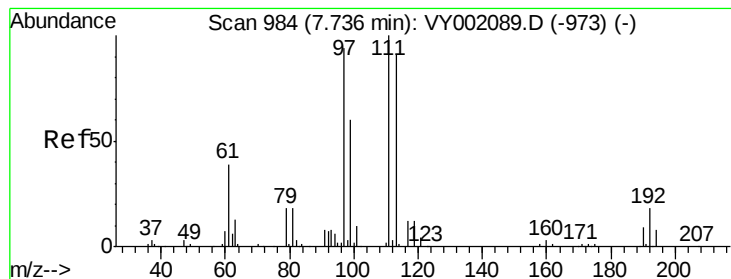


Abundance Ion 113.90 (113.60 to 114.60): VY002161.D (-1094) (-)

Ion 63.00 (62.70 to 63.70): VY002161.D (-1094) (-)

Ion 87.90 (87.60 to 88.60): VY002161.D (-1094) (-)





#35

Dibromofluoromethane

Concen: 53.109 ug/l

RT: 7.74 min Scan# 985

Delta R.T. 0.01 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

Instrument :
MSVOA_Y
ClientSampleId :

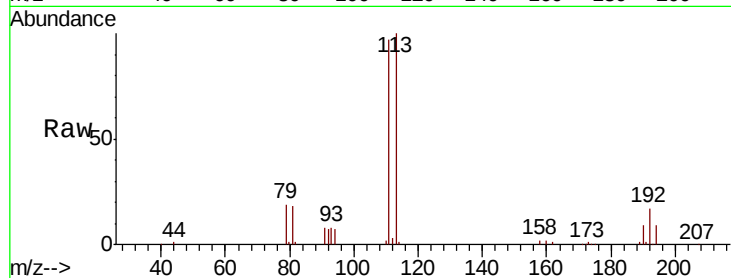
Tot Ion:113 Resp: 67151

Ion Ratio Lower Upper

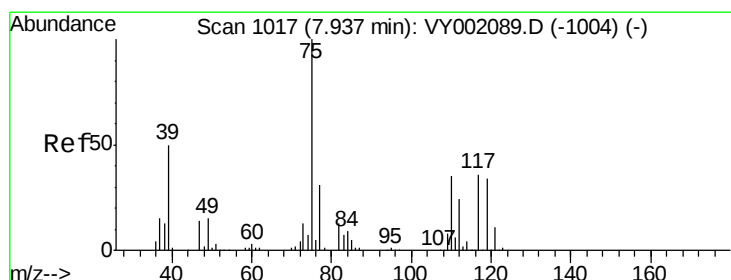
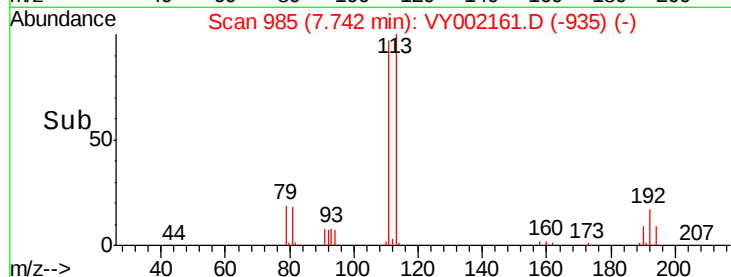
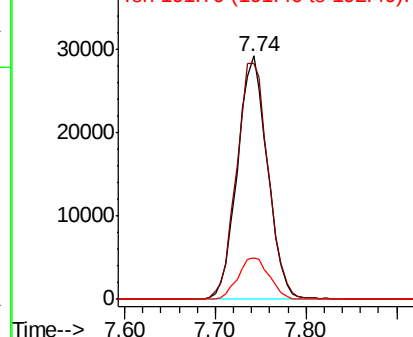
113 100

111 102.5 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: 4.776 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

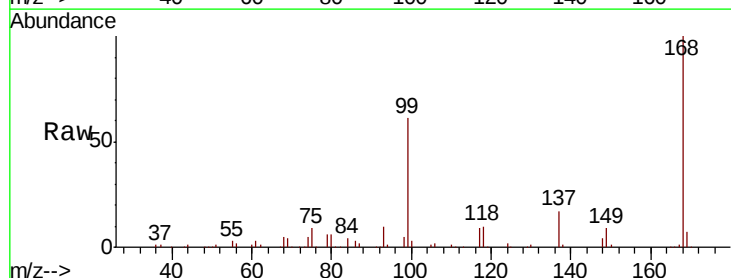
Tgt Ion: 75 Resp: 10194

Ion Ratio Lower Upper

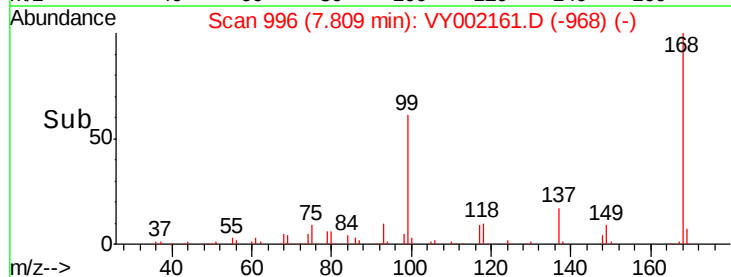
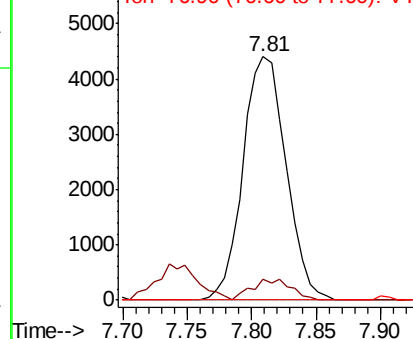
75 100

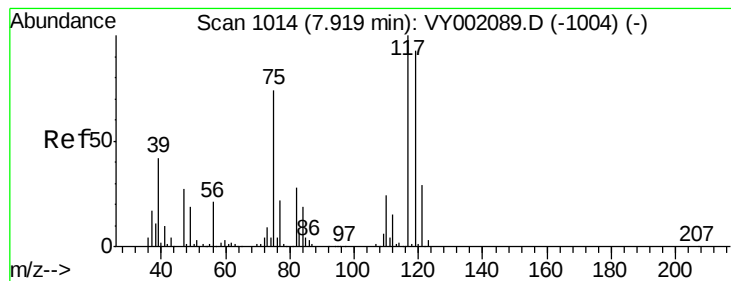
110 7.8 17.2 51.6#

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: 6.390 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.10 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

Instrument :

MSVOA_Y

ClientSampled :

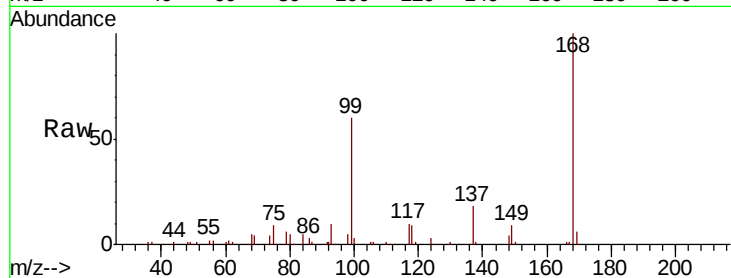
Tot Ion:117 Resp: 11571

Ion Ratio Lower Upper

117 100

119 5.7 74.3 111.5#

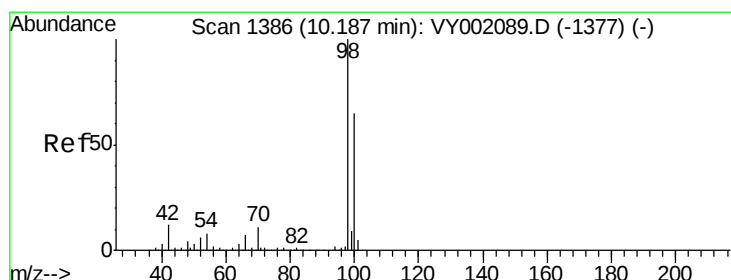
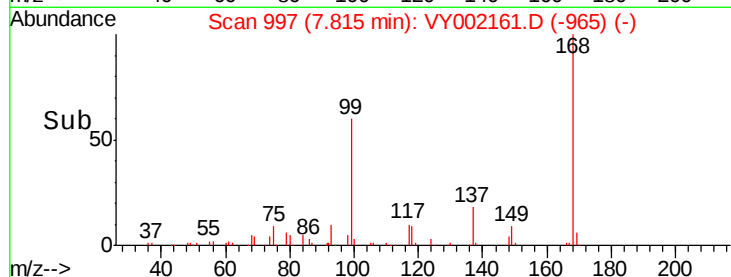
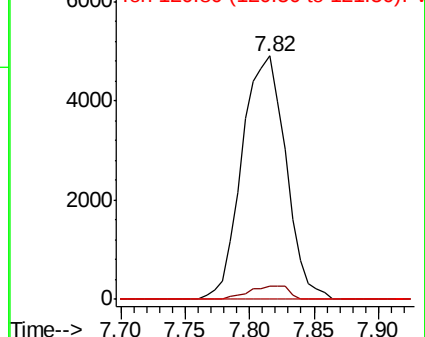
121 0.0 23.3 34.9#



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: 53.127 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY002161.D

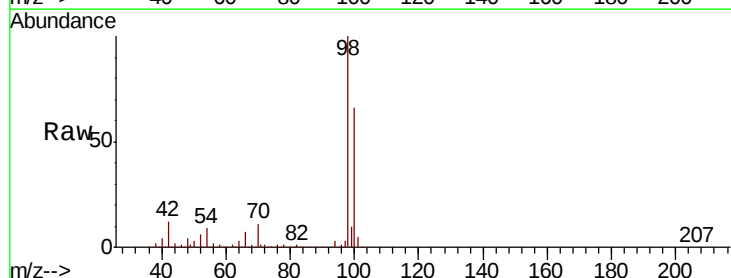
Acq: 01 Apr 2020 14:34

Tgt Ion: 98 Resp: 279061

Ion Ratio Lower Upper

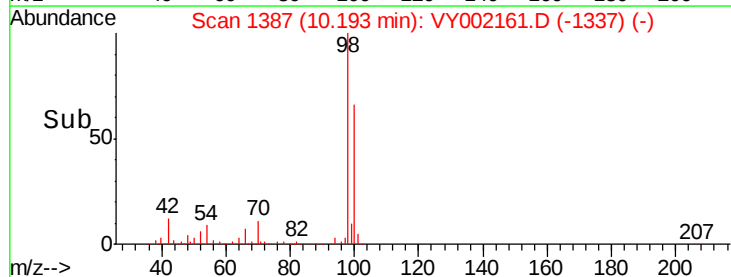
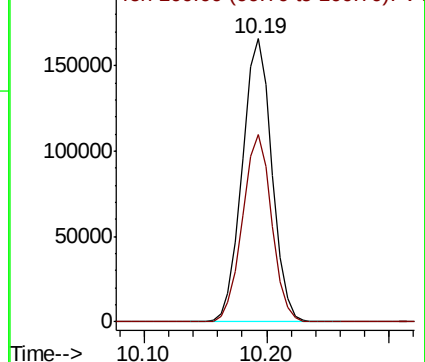
98 100

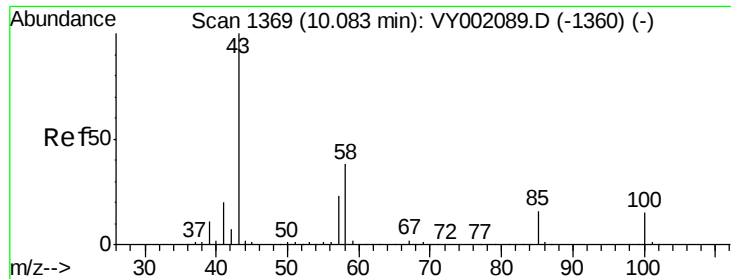
100 65.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.068 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.10 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

Instrument :

MSVOA_Y

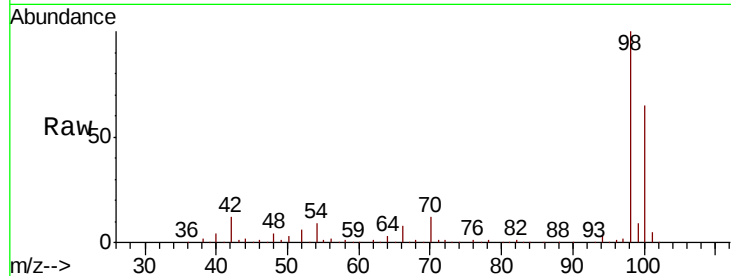
ClientSampleId :

Tot Ion: 43 Resp: 1317

Ion Ratio Lower Upper

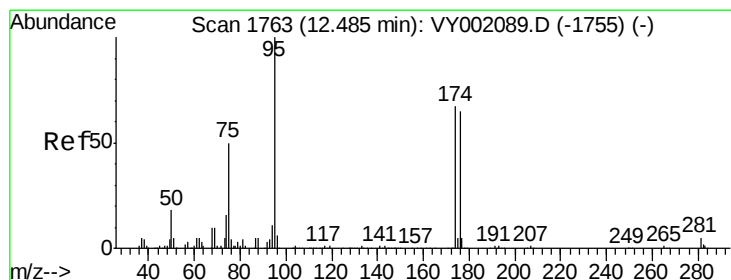
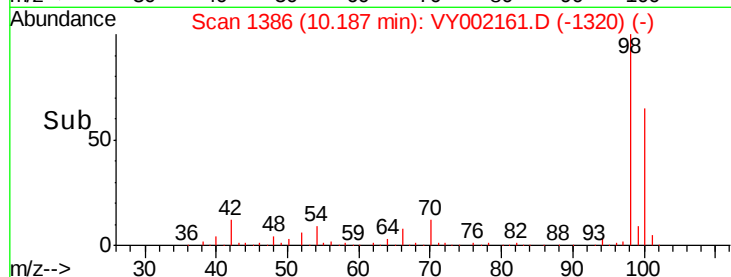
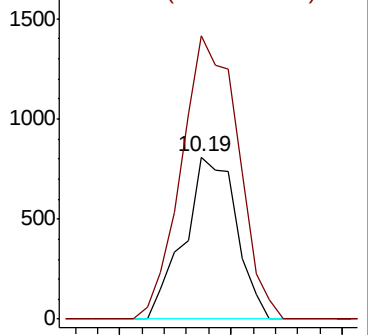
43 100

58 190.1 31.6 47.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 52.313 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

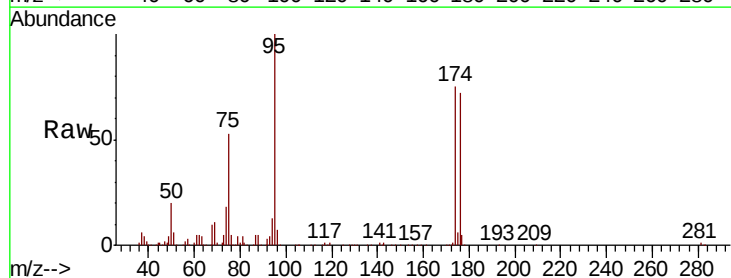
Tgt Ion: 95 Resp: 96100

Ion Ratio Lower Upper

95 100

174 74.1 0.0 143.4

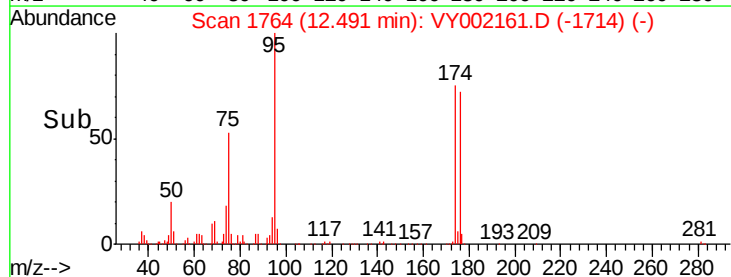
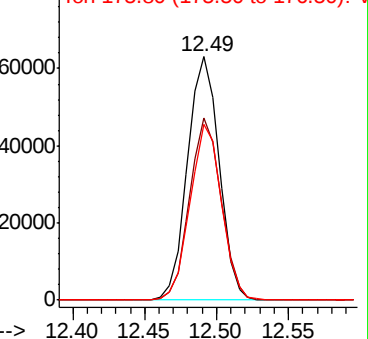
176 71.7 0.0 137.0

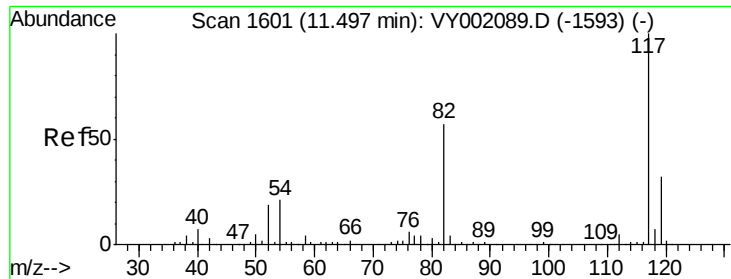


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

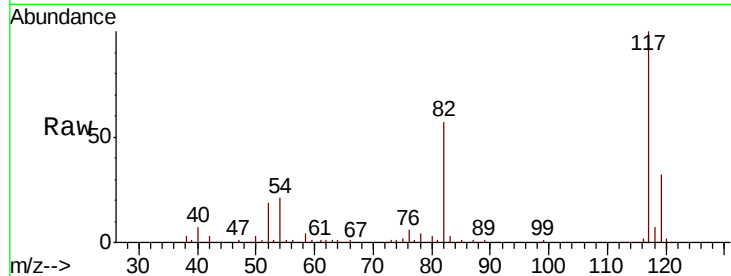




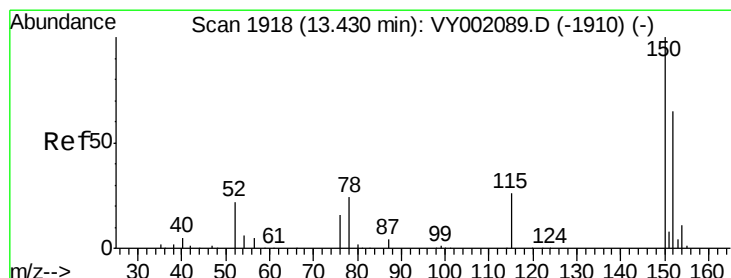
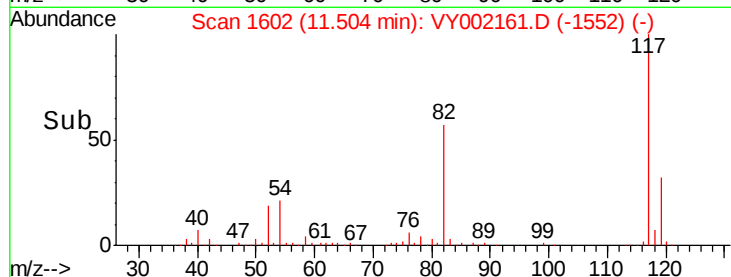
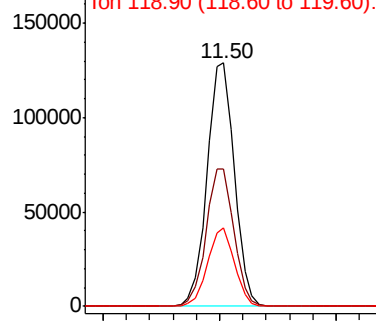
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002161.D
Acq: 01 Apr 2020 14:34

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 210794
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.2
119 32.5 25.3 37.9

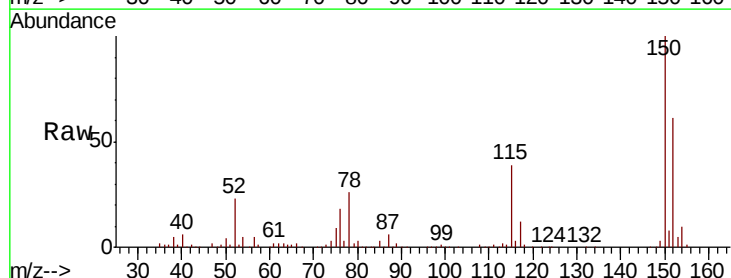


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

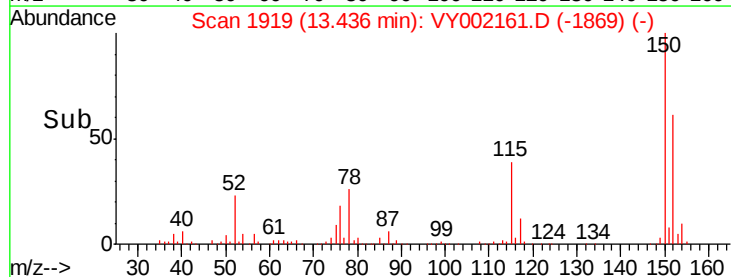
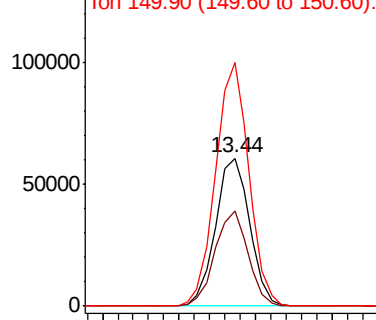


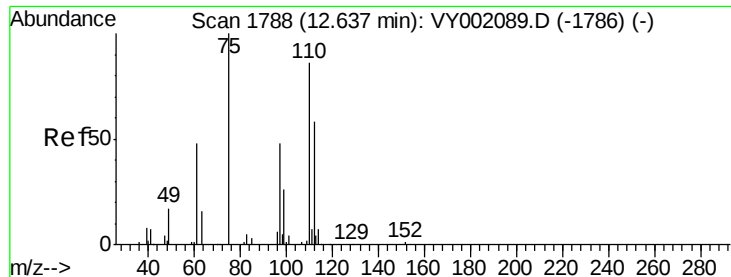
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002161.D
Acq: 01 Apr 2020 14:34

Tgt Ion:152 Resp: 94345
Ion Ratio Lower Upper
152 100
115 62.3 31.2 93.6
150 160.1 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: 47.363 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

Instrument :

MSVOA_Y

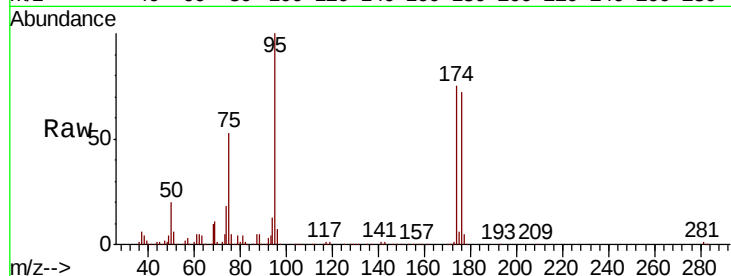
ClientSampleId :

Tot Ion: 75 Resp: 49984

Ion Ratio Lower Upper

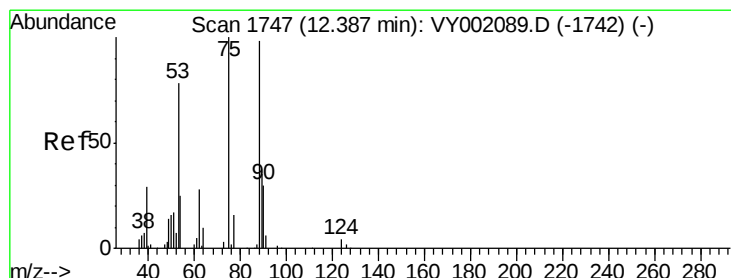
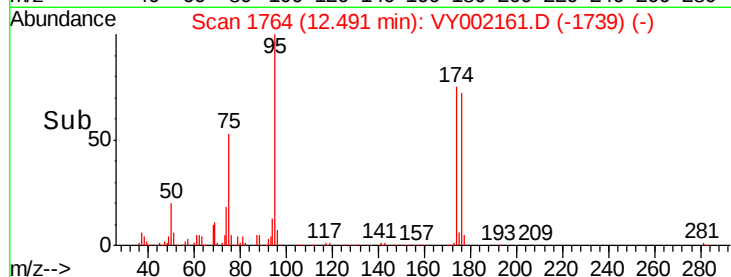
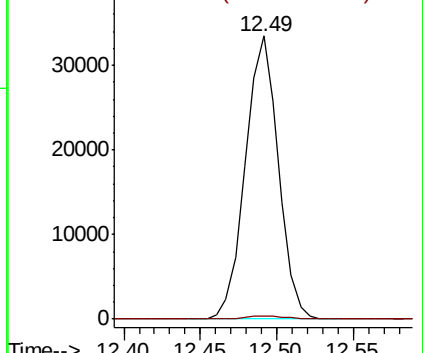
75 100

77 1.3 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: 91.759 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002161.D

Acq: 01 Apr 2020 14:34

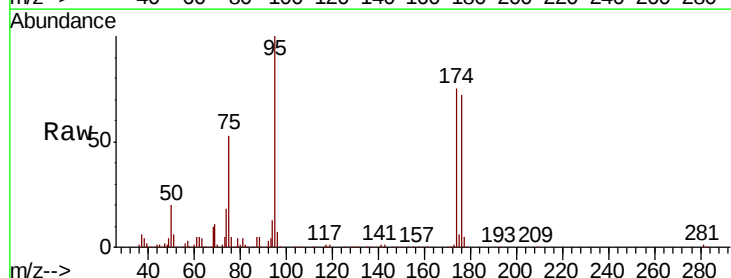
Tgt Ion: 75 Resp: 49984

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

