

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101719\
 Data File : VY000340.D
 Acq On : 17 Oct 2019 12:48
 Operator : SY/MD
 Sample : K5401-02RE
 Misc : 5.98G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 17:59:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

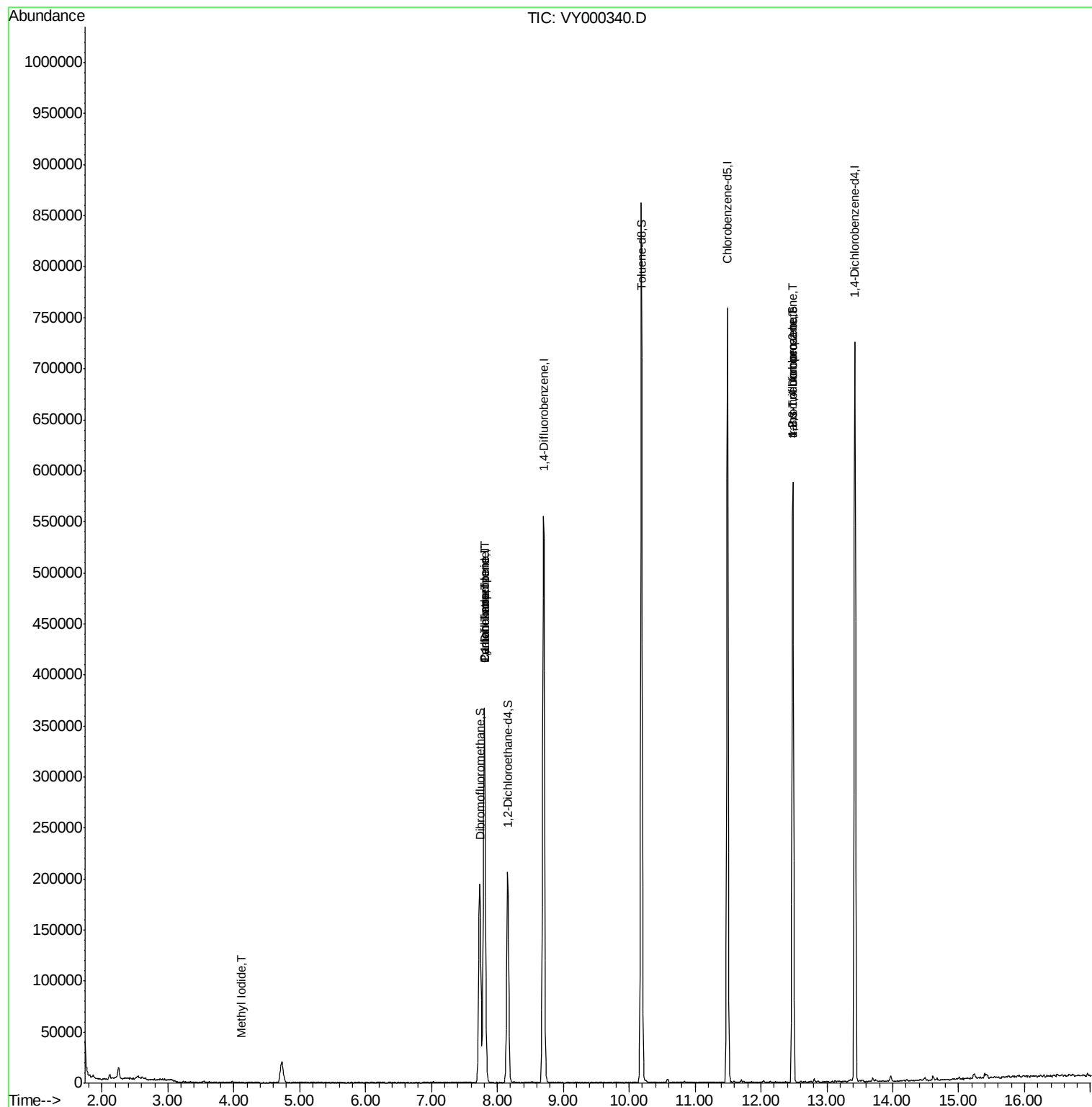
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	282916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	477810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	175311	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	158331	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
35) Dibromofluoromethane	7.74	113	134950	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.19	98	555040	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.49	95	182503	43.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	19	Below Cal	#	41
10) Methyl Iodide	4.11	142	147	1.221	ug/l #	78
20) Methylene Chloride	4.74	84	15615	Below Cal		87
31) Cyclohexane	7.80	56	6350	1.112	ug/l #	27
36) 1,1-Dichloropropene	7.80	75	22358	4.779	ug/l #	50
38) Carbon Tetrachloride	7.81	117	29054	6.414	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	93911	43.564	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	93911	95.315	ug/l #	14

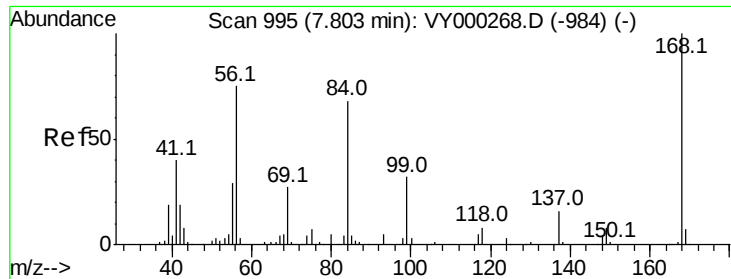
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000340.D

Acq: 17 Oct 2019 12:48

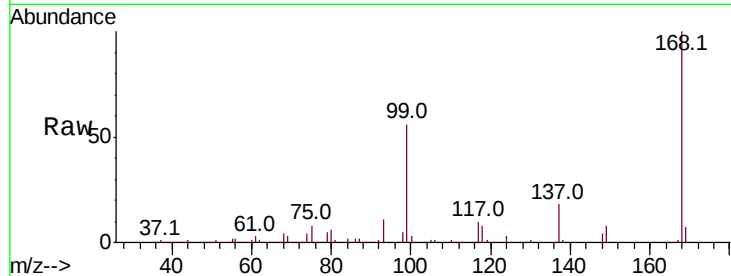
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 282916

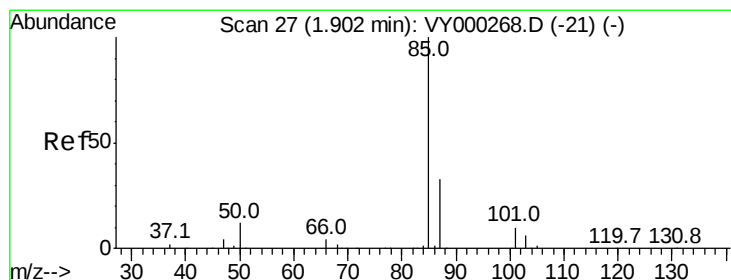
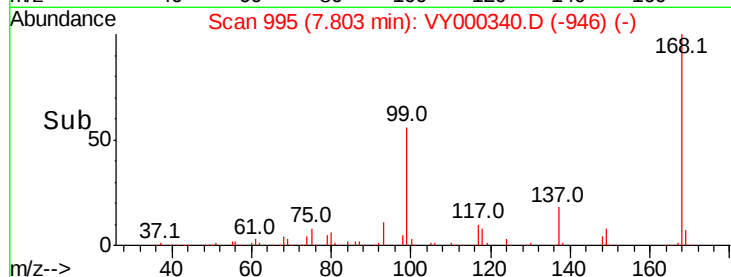
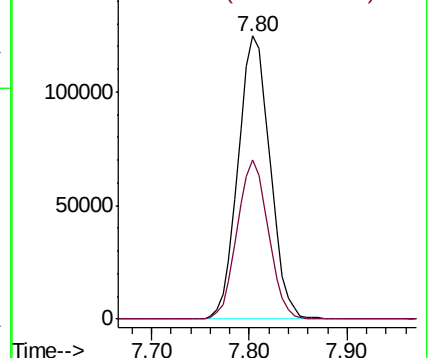
Ion Ratio Lower Upper

168 100

99 56.3 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000340.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 26

Delta R.T. -0.01 min

Lab File: VY000340.D

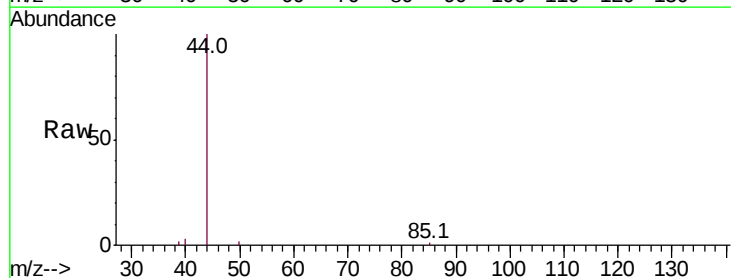
Acq: 17 Oct 2019 12:48

Tgt Ion: 85 Resp: 19

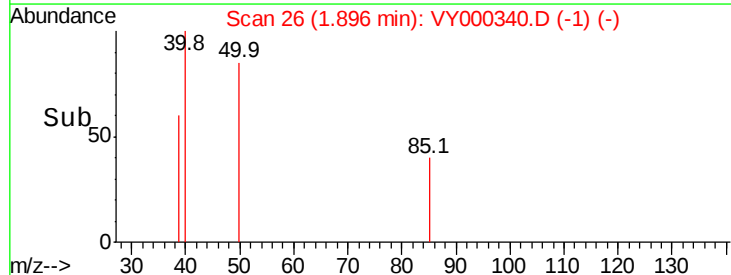
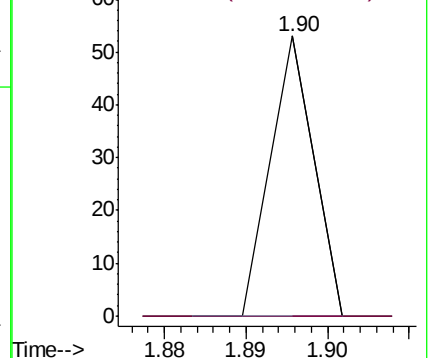
Ion Ratio Lower Upper

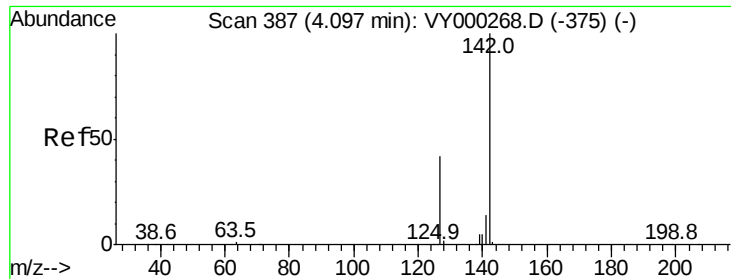
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000340.D (-1) (-)

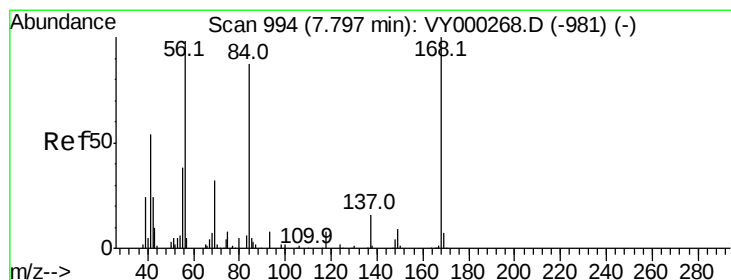
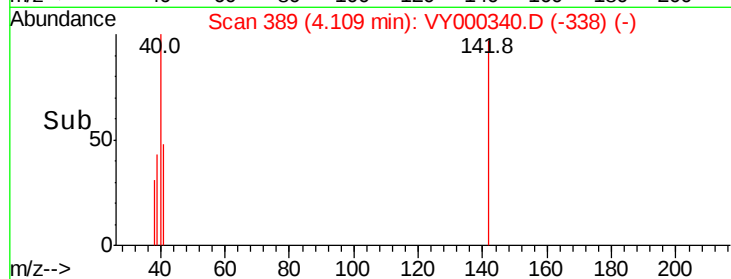
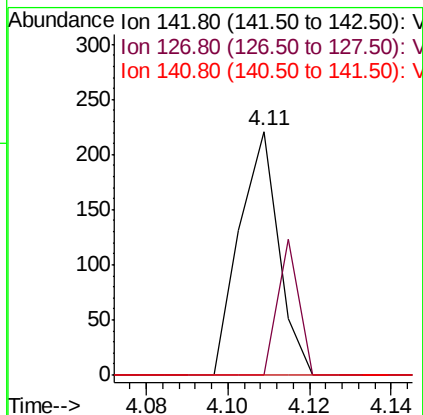
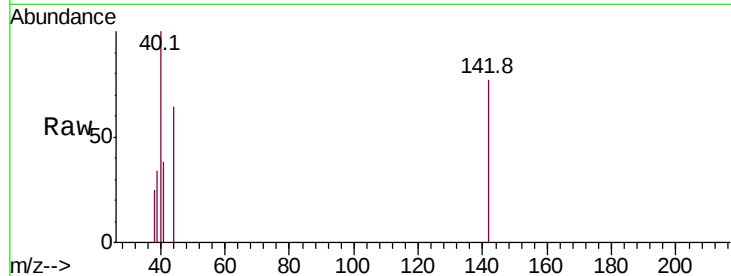




#10
Methvl Iodide
Concen: 1.221 ug/l
RT: 4.11 min Scan# 389
Delta R.T. 0.01 min
Lab File: VY000340.D
Acq: 17 Oct 2019 12:48

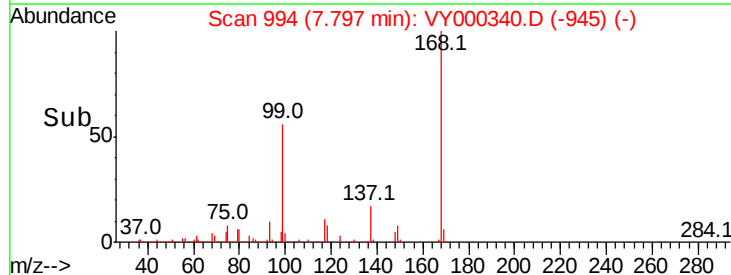
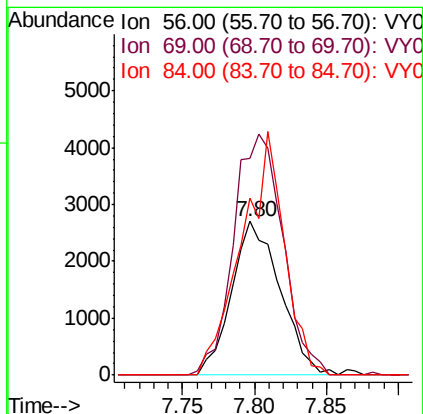
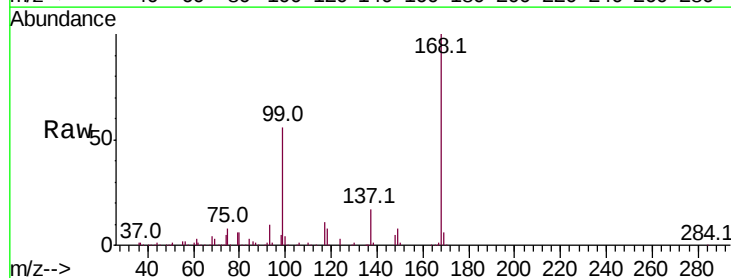
Instrument :
MSVOA_Y
ClientSampleId :

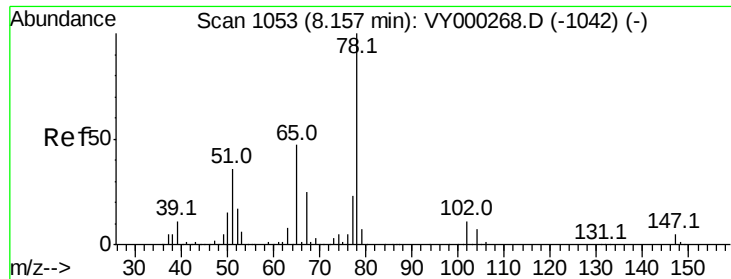
Tot Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 30.6 33.9 50.9#
141 0.0 11.2 16.8#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000340.D
Acq: 17 Oct 2019 12:48

Tgt Ion: 56 Resp: 6350
Ion Ratio Lower Upper
56 100
69 141.4 26.3 39.5#
84 114.9 70.8 106.2#

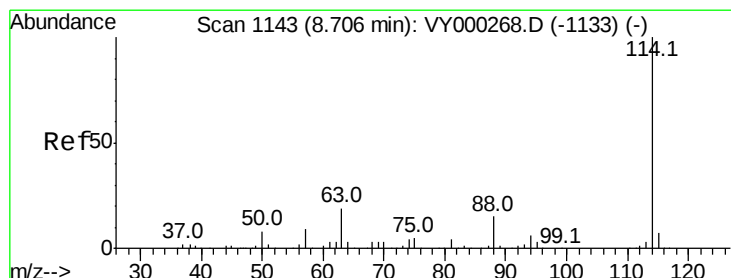
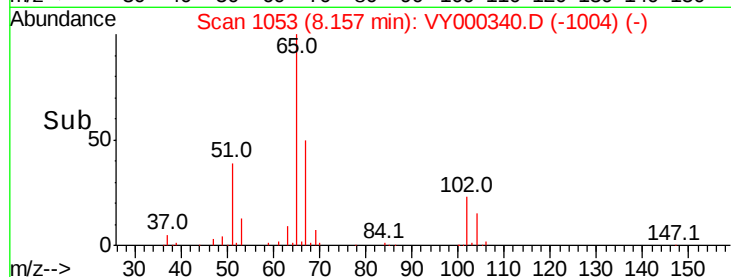
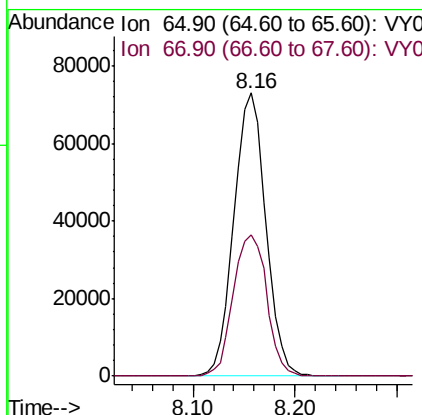
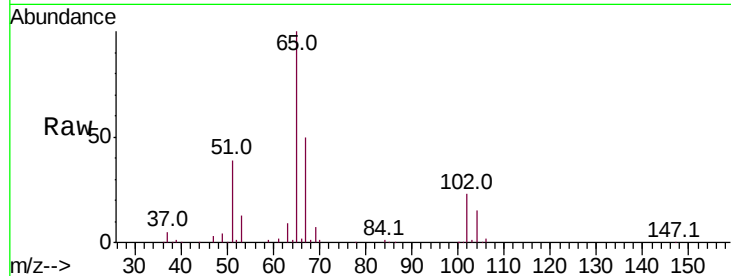




#33
 1,2-Dichloroethane-d4
 Concen: 53.054 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000340.D
 Acq: 17 Oct 2019 12:48

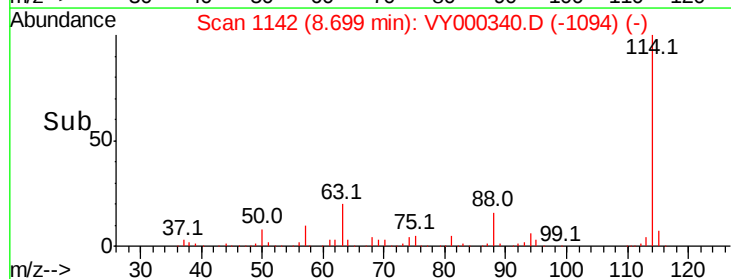
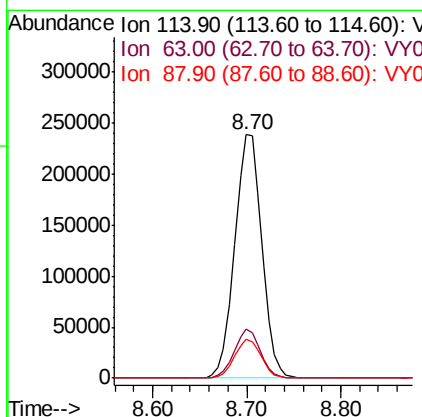
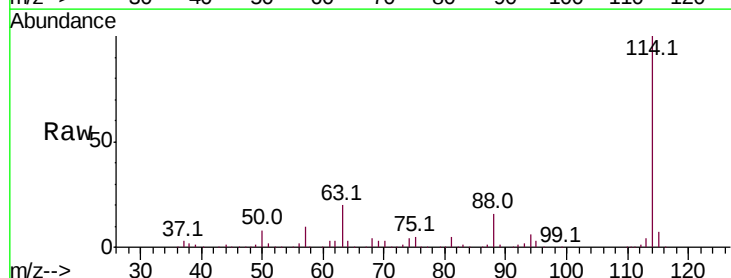
Instrument :
 MSVOA_Y
 ClientSampleId :

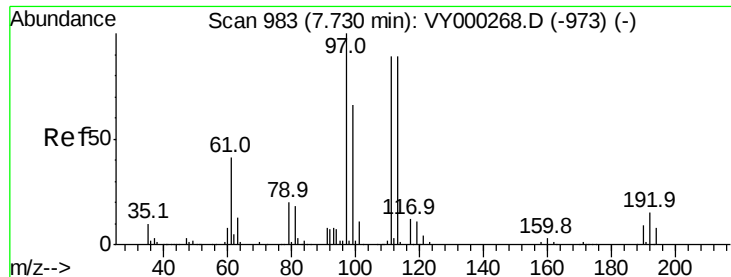
Tot Ion: 65 Resp: 158331
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000340.D
 Acq: 17 Oct 2019 12:48

Tgt Ion: 114 Resp: 477810
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 37.2
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 46.822 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000340.D

Acq: 17 Oct 2019 12:48

Instrument :
MSVOA_Y
ClientSampleId :

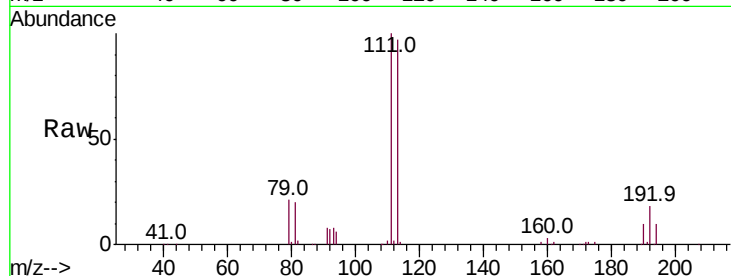
Tot Ion:113 Resp: 134950

Ion Ratio Lower Upper

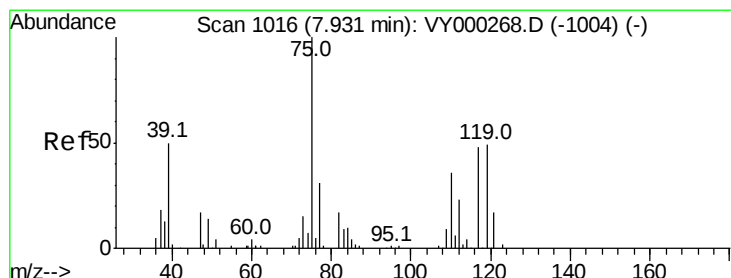
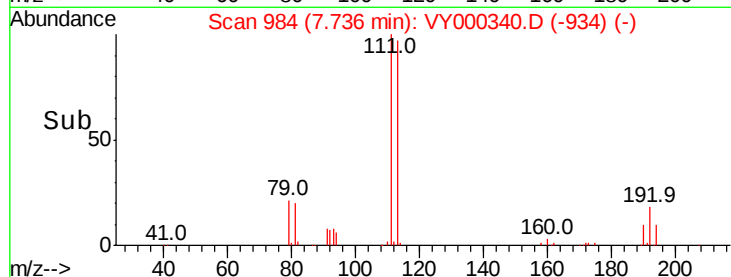
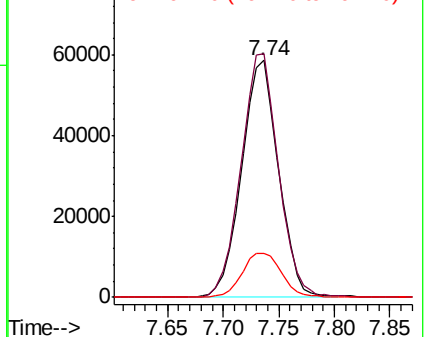
113 100

111 104.3 81.6 122.4

192 19.9 15.3 22.9



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: 4.779 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000340.D

Acq: 17 Oct 2019 12:48

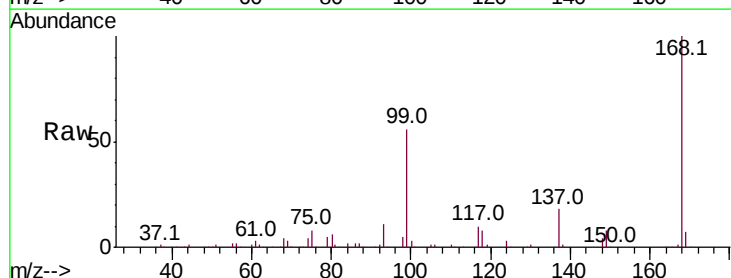
Tgt Ion: 75 Resp: 22358

Ion Ratio Lower Upper

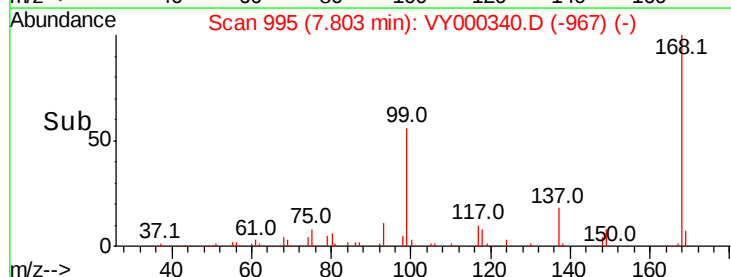
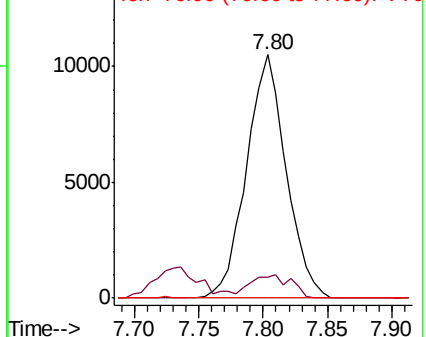
75 100

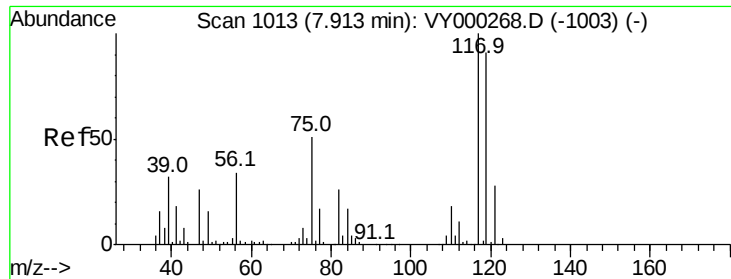
110 10.5 18.4 55.4#

77 0.0 25.0 37.6#



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: 6.414 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.10 min

Lab File: VY000340.D

Acq: 17 Oct 2019 12:48

Instrument :

MSVOA_Y

ClientSampleId :

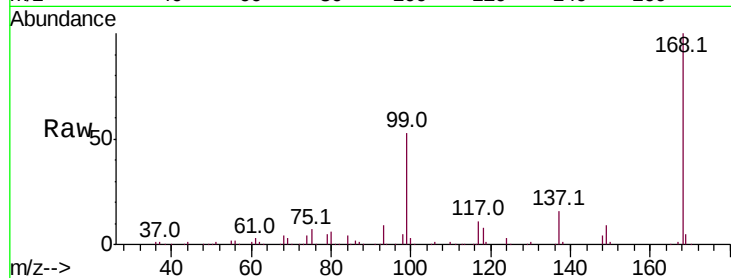
Tot Ion:117 Resp: 29054

Ion Ratio Lower Upper

117 100

119 4.9 72.8 109.2#

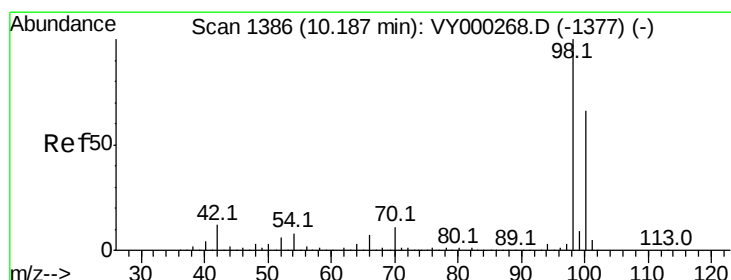
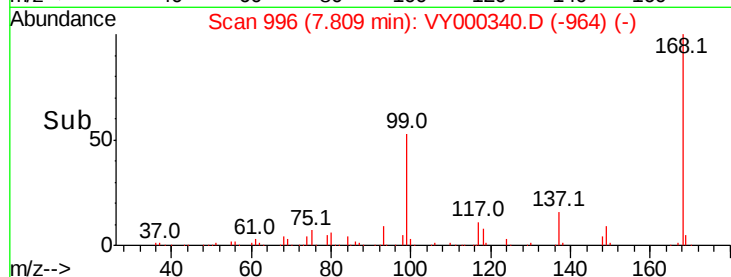
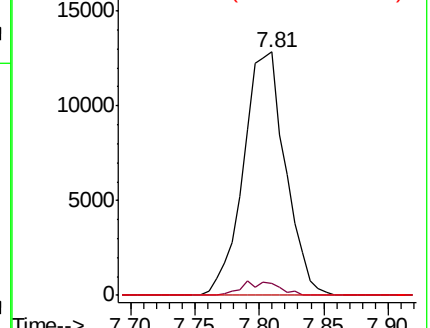
121 0.0 22.2 33.2#



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: 50.062 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000340.D

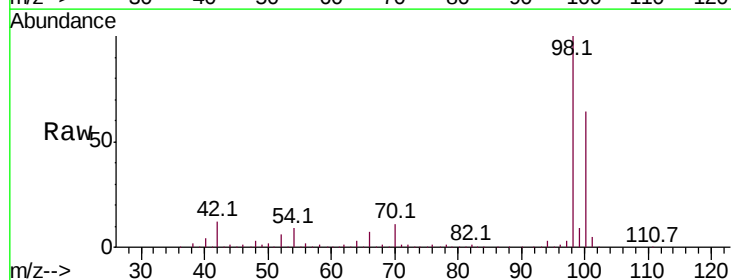
Acq: 17 Oct 2019 12:48

Tgt Ion: 98 Resp: 555040

Ion Ratio Lower Upper

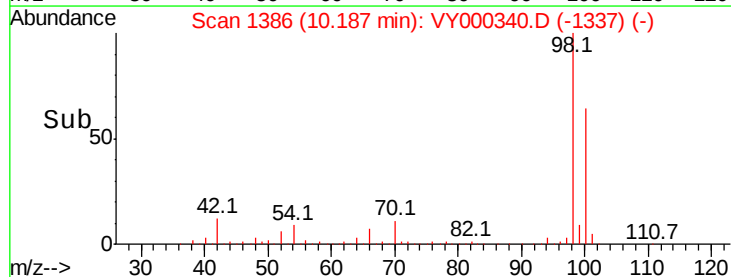
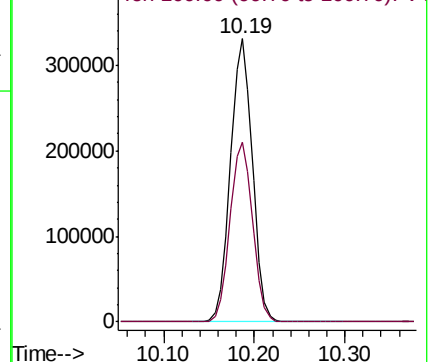
98 100

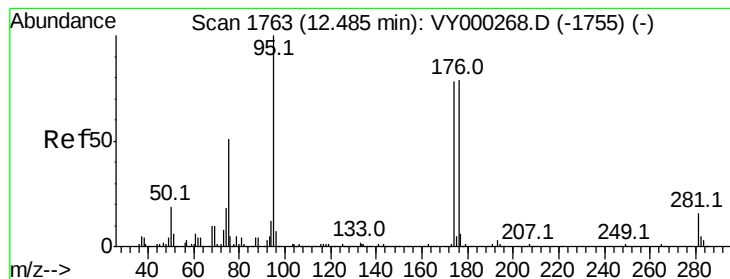
100 65.4 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 43.328 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY000340.D

Acq: 17 Oct 2019 12:48

Instrument :

MSVOA_Y

ClientSampled :

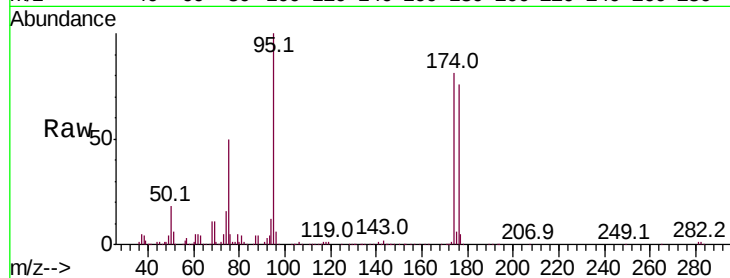
Tot Ion: 95 Resp: 182503

Ion Ratio Lower Upper

95 100

174 79.7 0.0 159.6

176 75.2 0.0 153.8

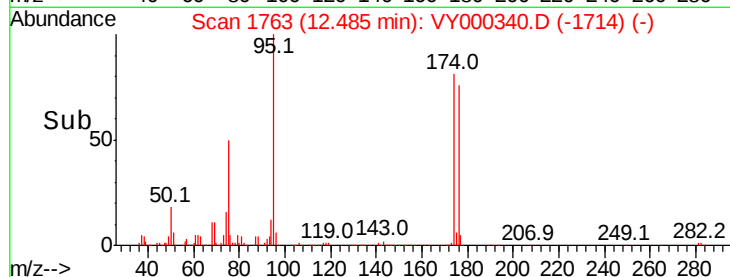


Abundance Ion 94.90 (94.60 to 95.60): VY000340.D (-1755) (-)

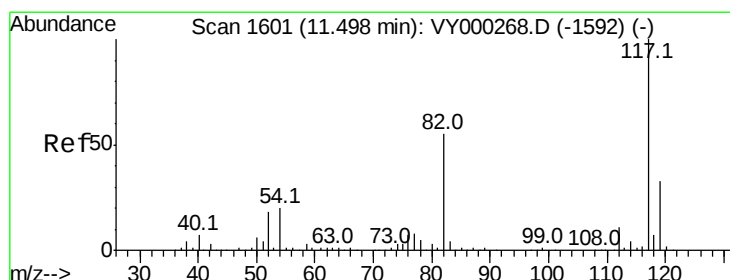
Ion 173.80 (173.50 to 174.50): VY000340.D (-1755) (-)

Ion 175.80 (175.50 to 176.50): VY000340.D (-1755) (-)

12.49



Time--> 12.40 12.45 12.50 12.55



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.01 min

Lab File: VY000340.D

Acq: 17 Oct 2019 12:48

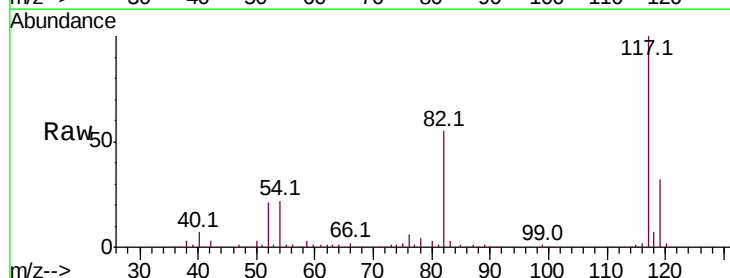
Tgt Ion: 117 Resp: 401838

Ion Ratio Lower Upper

117 100

82 55.3 43.7 65.5

119 32.2 26.6 39.8

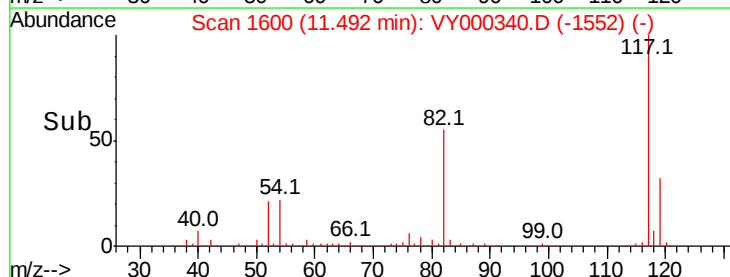


Abundance Ion 116.90 (116.60 to 117.60): VY000340.D (-1592) (-)

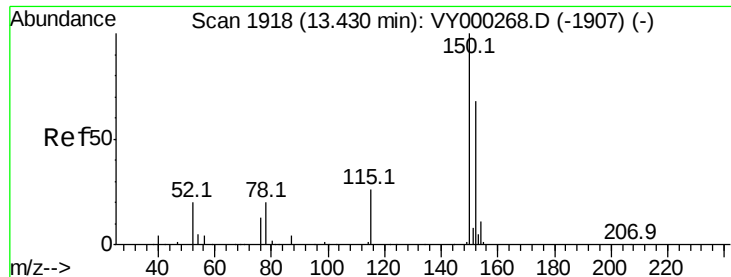
Ion 82.00 (81.70 to 82.70): VY000340.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY000340.D (-1592) (-)

11.49



Time--> 11.40 11.50 11.60

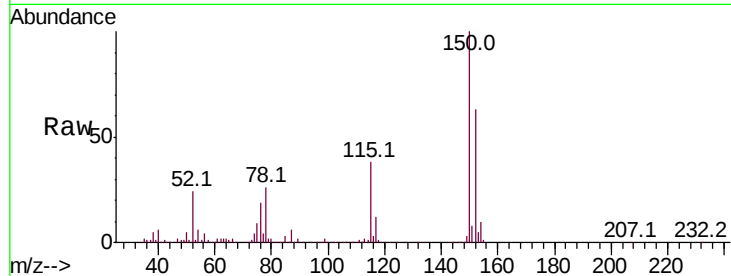


#72

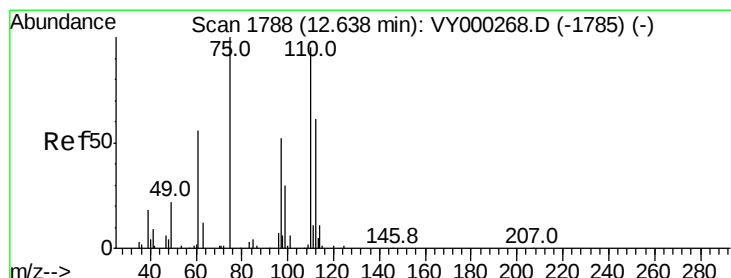
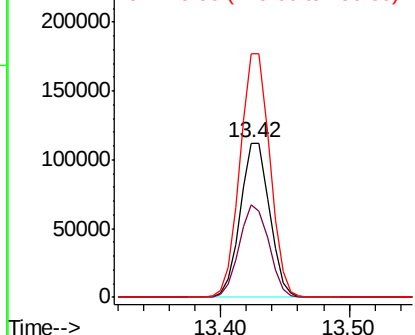
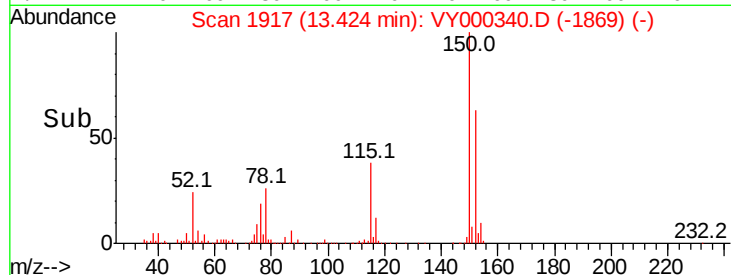
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000340.D
Acq: 17 Oct 2019 12:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 175311
Ion Ratio Lower Upper
152 100
115 61.0 29.3 88.0
150 161.4 0.0 348.4



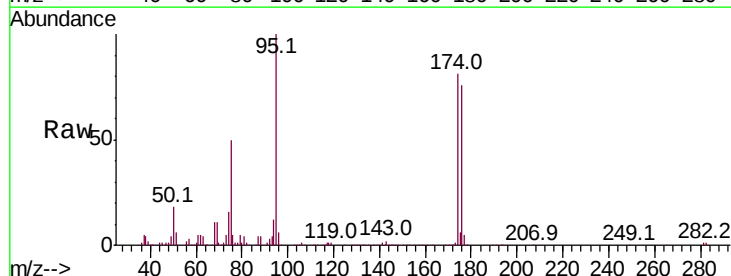
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



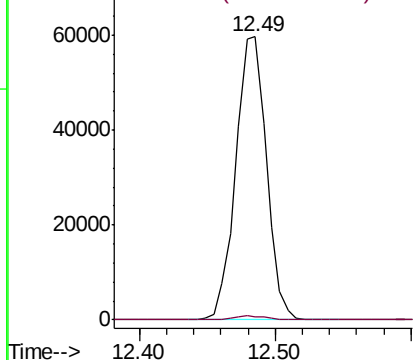
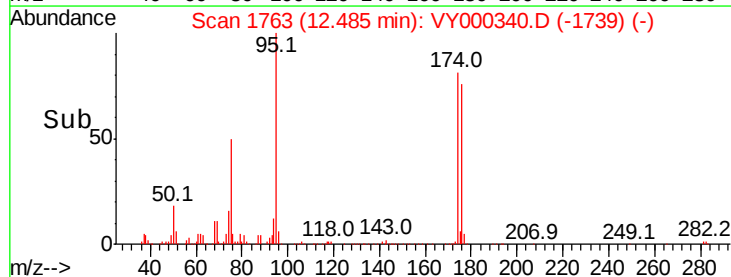
#76

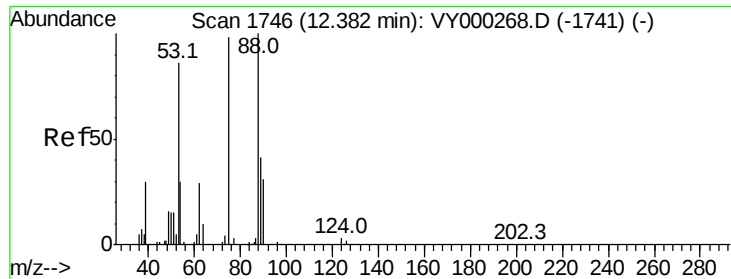
1,2,3-Trichloropropane
Concen: 43.564 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY000340.D
Acq: 17 Oct 2019 12:48

Tgt Ion: 75 Resp: 93911
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: 95.315 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY000340.D

Acq: 17 Oct 2019 12:48

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 93911

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 35.1 52.7#

