

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040220\
 Data File : VY002183.D
 Acq On : 02 Apr 2020 11:44
 Operator : SY/MD
 Sample : VY0402SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 03 03:11:43 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	129846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	256354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	239013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	103109	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	81755	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	
35) Dibromofluoromethane	7.74	113	76482	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.19	98	312266	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.49	95	108512	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

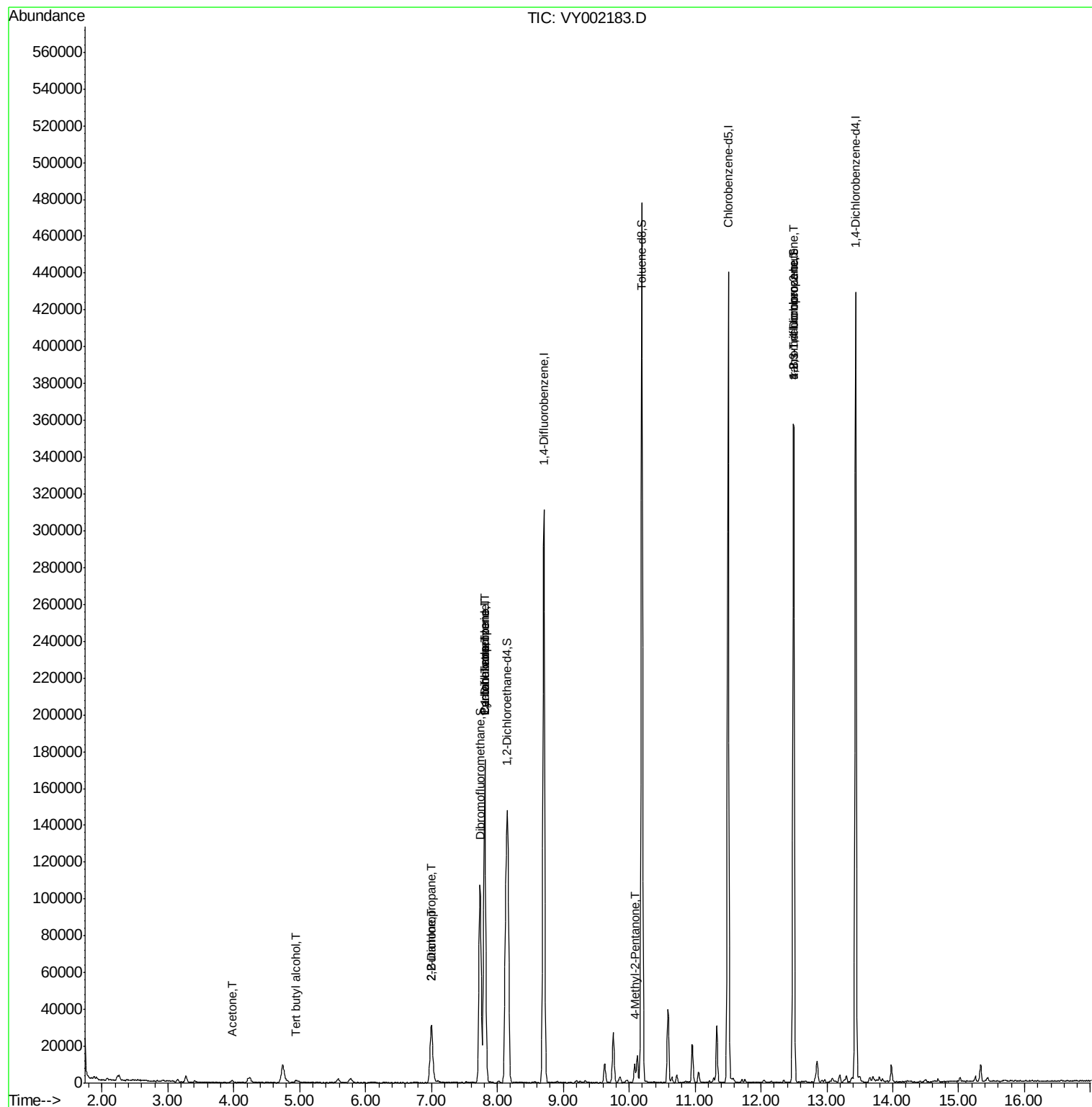
	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	719	Below Cal		97
11) Tert butyl alcohol	4.94	59	701	4.144	ug/l #	74
16) Acetone	3.97	43	1954	4.845	ug/l #	88
20) Methylene Chloride	4.74	84	6351	Below Cal		95
25) 2-Butanone	7.00	43	1879	3.034	ug/l #	89
26) 2,2-Dichloropropane	6.99	77	2426	1.050	ug/l #	52
31) Cyclohexane	7.80	56	3390	1.134	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	11306	4.663	ug/l #	49
38) Carbon Tetrachloride	7.80	117	13322	6.476	ug/l #	15
51) 4-Methyl-2-Pentanone	10.08	43	9013	6.436	ug/l	87
76) 1,2,3-Trichloropropane	12.49	75	56537	49.019	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56537	94.967	ug/l #	17

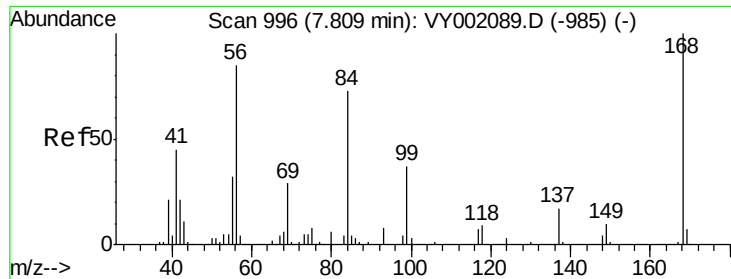
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY002183.D

Acq: 02 Apr 2020 11:44

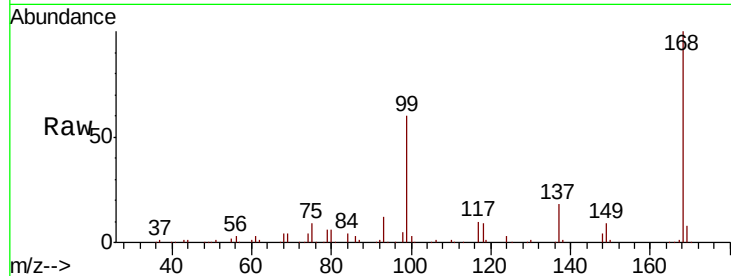
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 129846

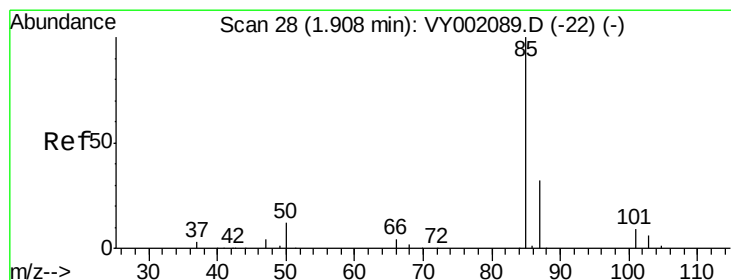
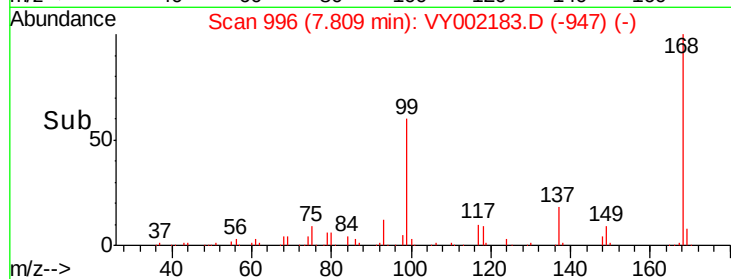
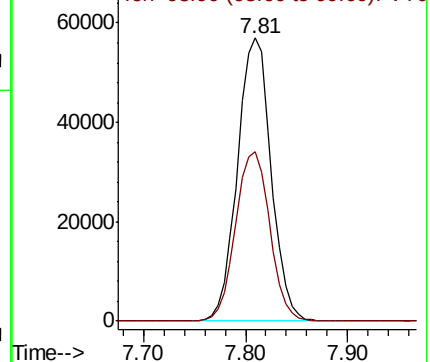
Ion Ratio Lower Upper

168 100

99 59.8 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002183.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002183.D

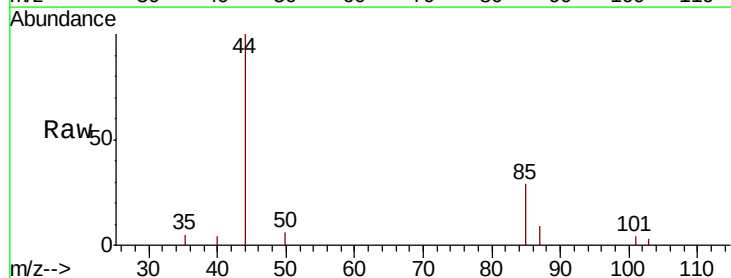
Acq: 02 Apr 2020 11:44

Tgt Ion: 85 Resp: 719

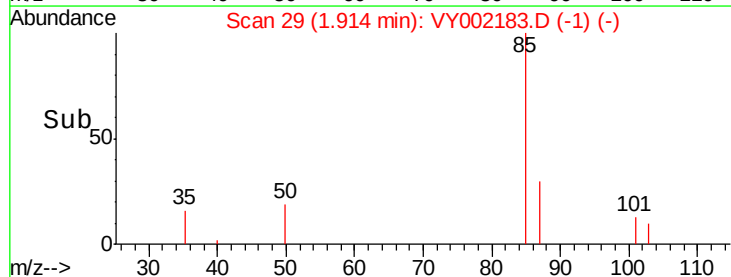
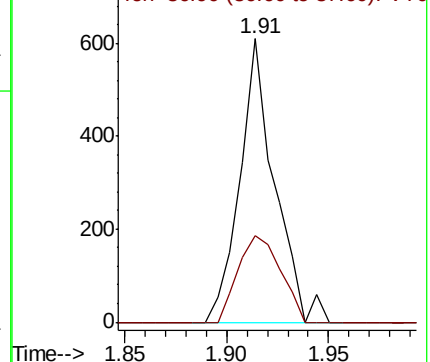
Ion Ratio Lower Upper

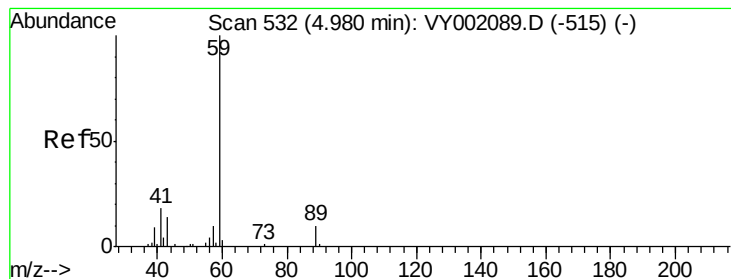
85 100

87 30.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY002183.D (-1) (-)



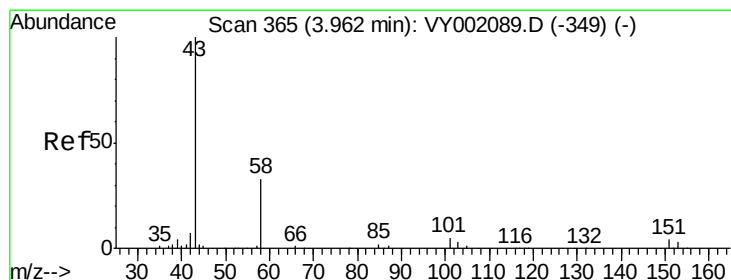
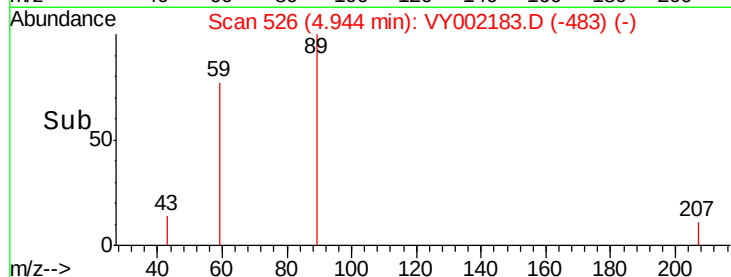
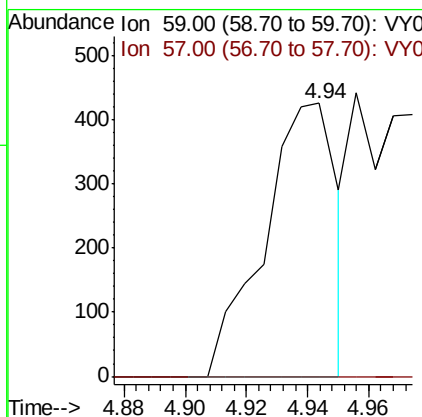
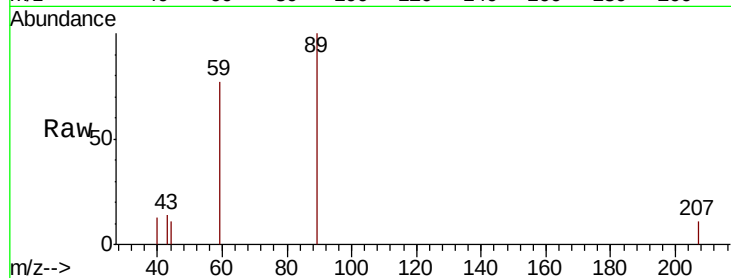


#11

Tert butyl alcohol
 Concen: 4.144 ug/l
 RT: 4.94 min Scan# 526
 Delta R.T. -0.04 min
 Lab File: VY002183.D
 Acq: 02 Apr 2020 11:44

Instrument :
 MSVOA_Y
 ClientSampleId :

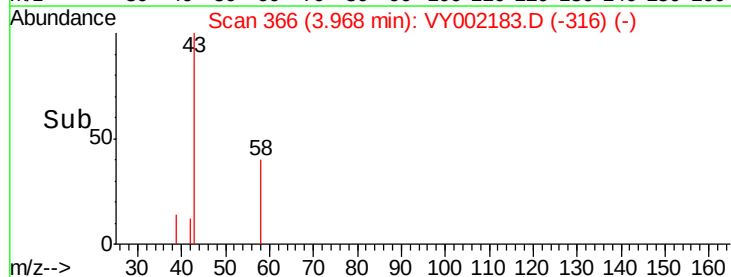
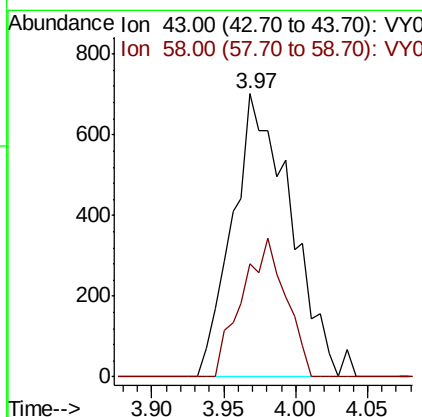
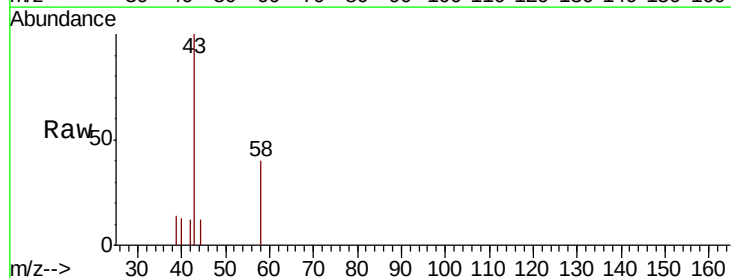
Tot Ion: 59 Resp: 701
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

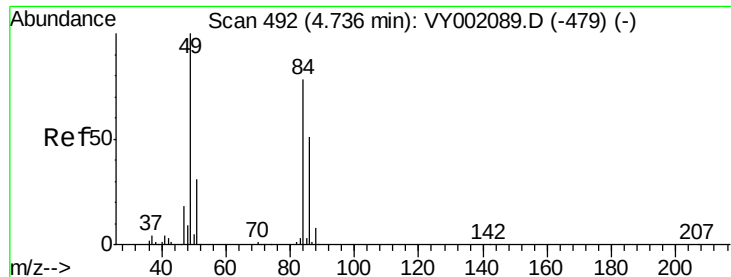


#16

Acetone
 Concen: 4.845 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY002183.D
 Acq: 02 Apr 2020 11:44

Tgt Ion: 43 Resp: 1954
 Ion Ratio Lower Upper
 43 100
 58 39.9 26.3 39.5#

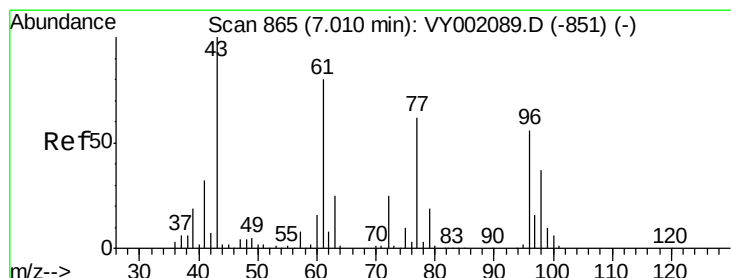
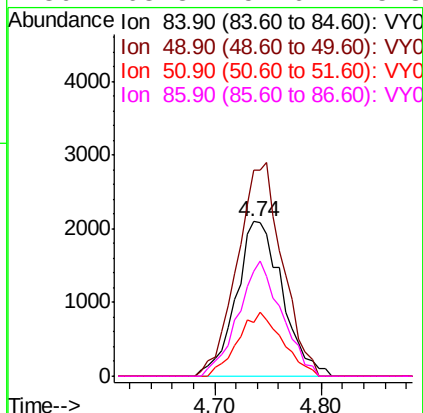
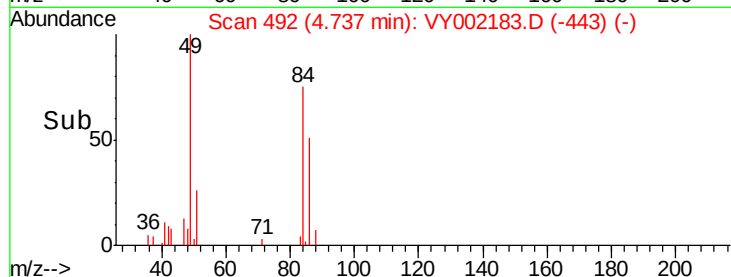
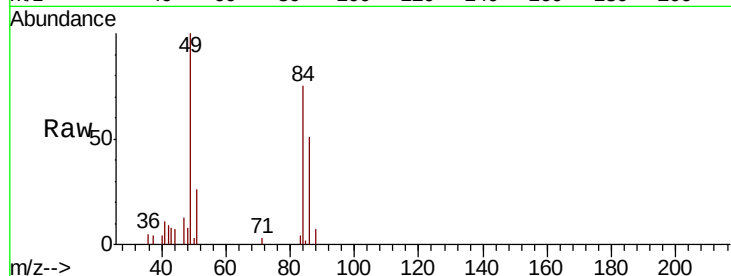




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.00 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

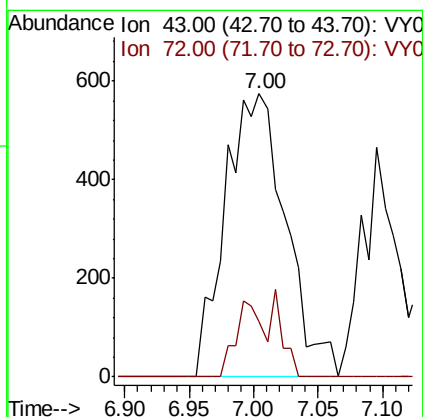
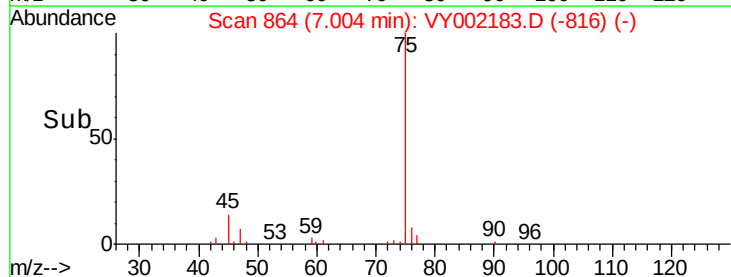
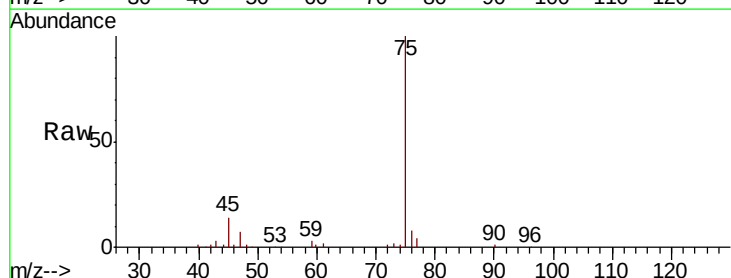
Instrument :
MSVOA_Y
ClientSampleId :

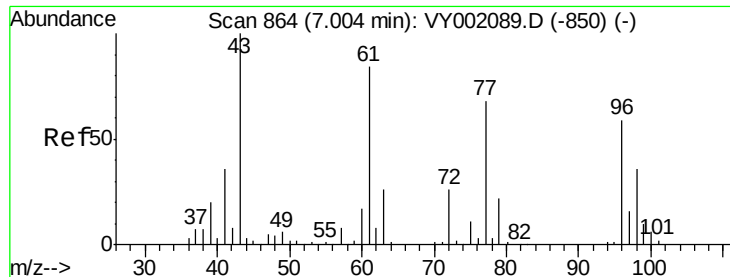
Tot Ion: 84 Resp: 6351
Ion Ratio Lower Upper
84 100
49 133.5 102.2 153.4
51 35.2 31.2 46.8
86 68.3 52.6 78.8



#25
2-Butanone
Concen: 3.034 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

Tgt Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
72 19.5 20.2 30.2#

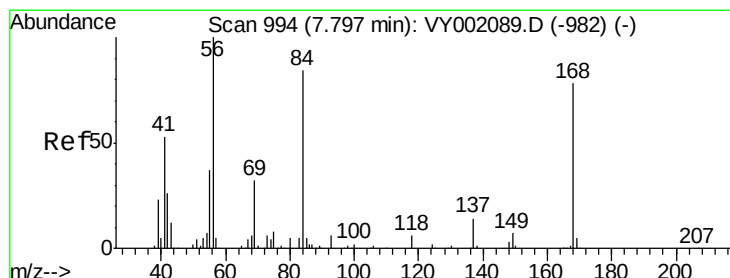
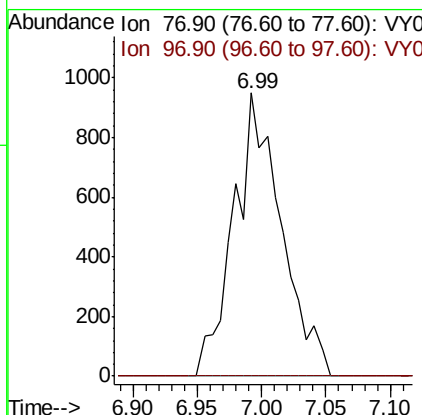
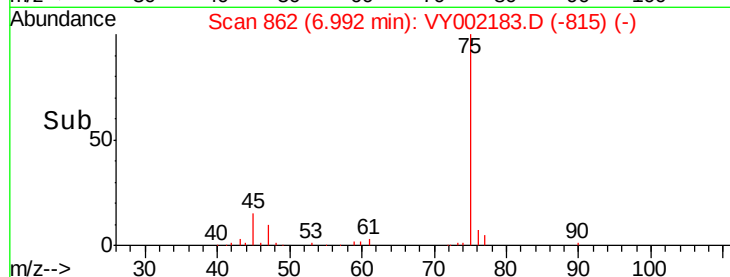
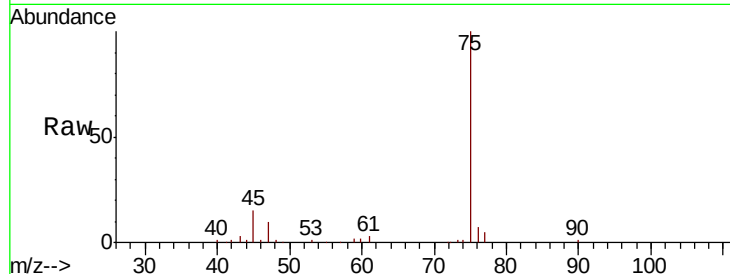




#26
 2,2-Dichloropropane
 Concen: 1.050 ug/l
 RT: 6.99 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VY002183.D
 Acq: 02 Apr 2020 11:44

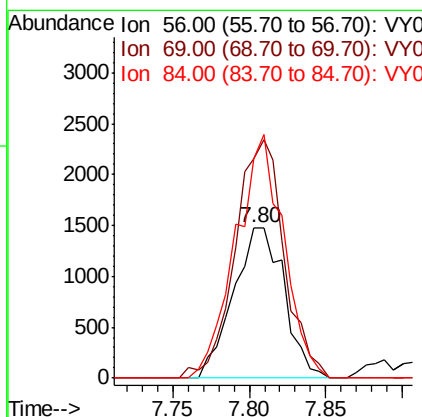
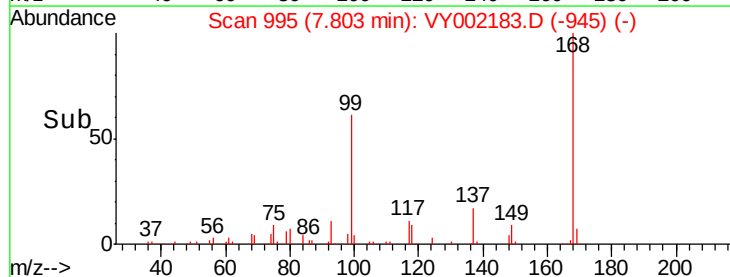
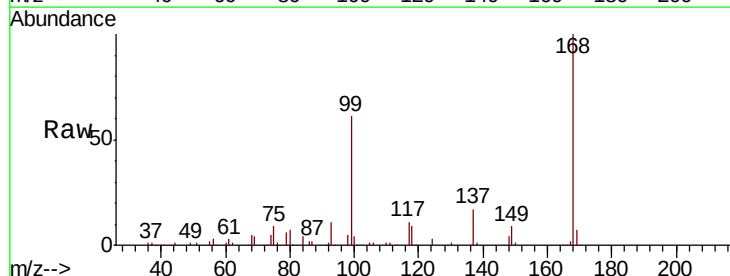
Instrument :
 MSVOA_Y
 ClientSampled :

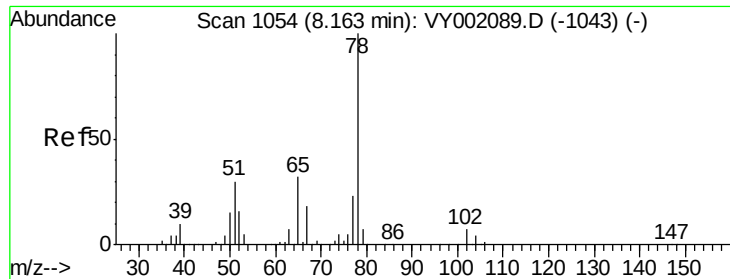
Tot Ion: 77 Resp: 2426
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.1#



#31
 Cyclohexane
 Concen: 1.134 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. 0.01 min
 Lab File: VY002183.D
 Acq: 02 Apr 2020 11:44

Tgt Ion: 56 Resp: 3390
 Ion Ratio Lower Upper
 56 100
 69 146.4 25.8 38.8#
 84 146.2 67.1 100.7#

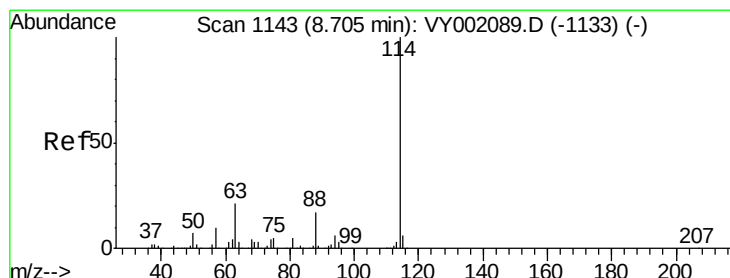
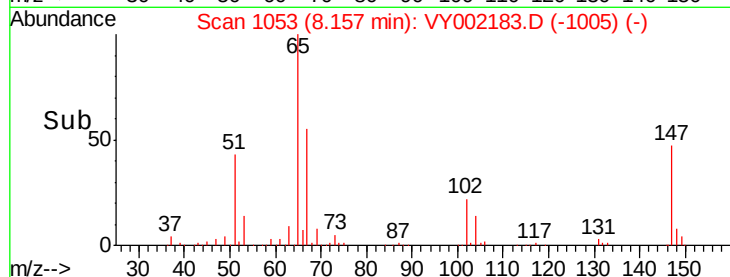
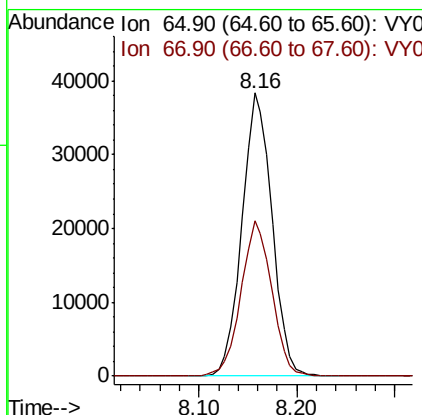
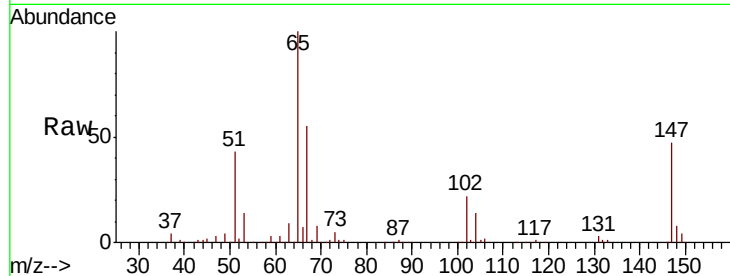




#33
 1,2-Dichloroethane-d4
 Concen: 56.956 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY002183.D
 Acq: 02 Apr 2020 11:44

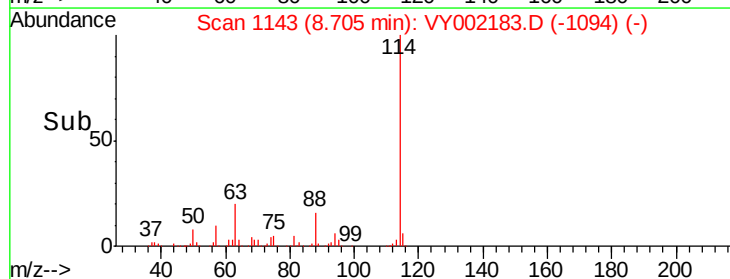
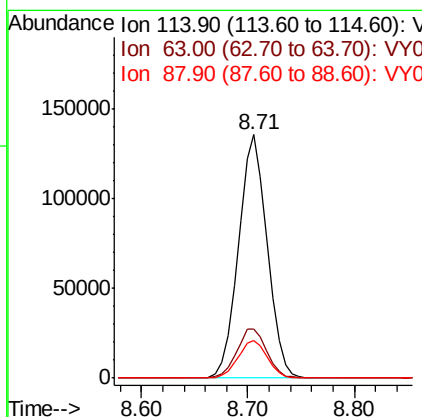
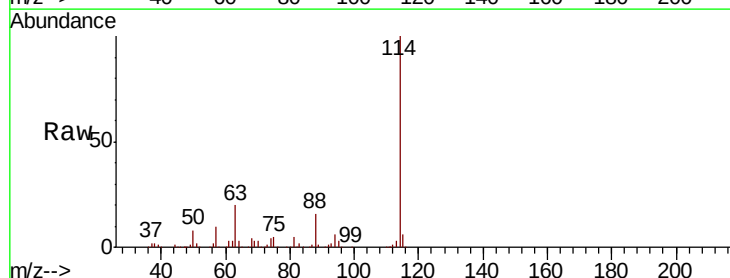
Instrument :
 MSVOA_Y
 ClientSampleId :

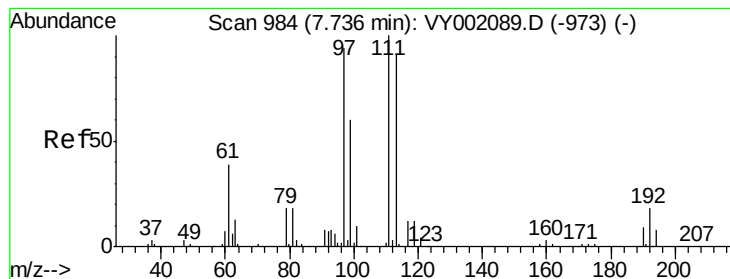
Tot Ion: 65 Resp: 81755
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY002183.D
 Acq: 02 Apr 2020 11:44

Tgt Ion: 114 Resp: 256354
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 53.246 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.00 min

Lab File: VY002183.D

Acq: 02 Apr 2020 11:44

Instrument :

MSVOA_Y

ClientSampleId :

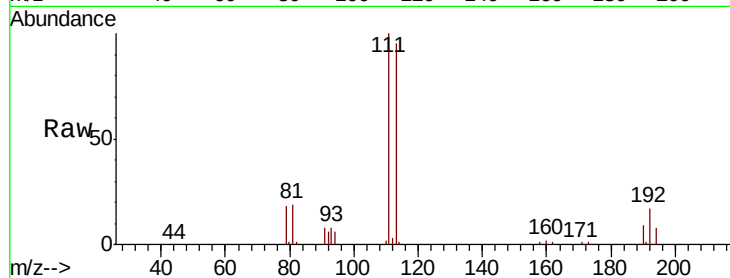
Tot Ion:113 Resp: 76482

Ion Ratio Lower Upper

113 100

111 104.1 84.4 126.6

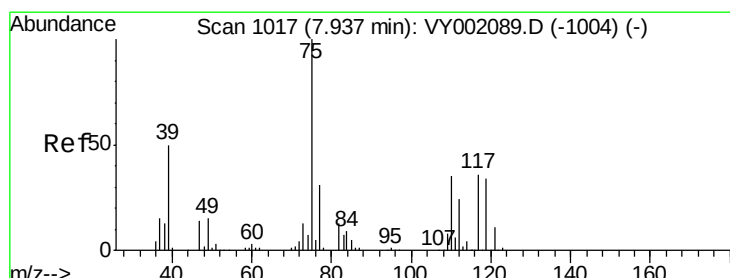
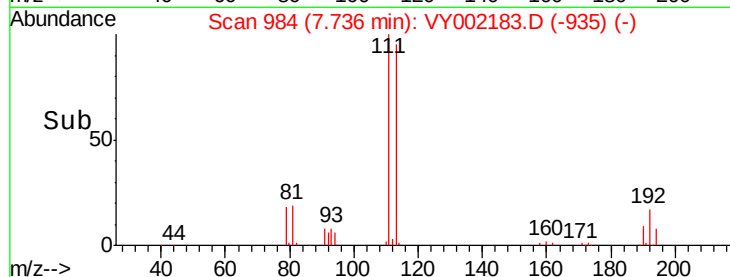
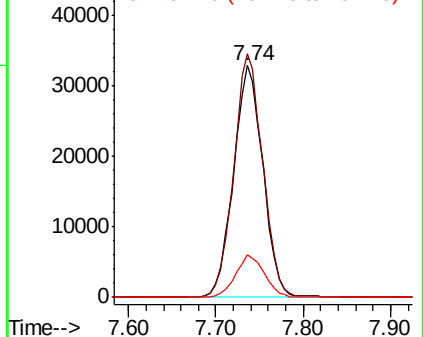
192 17.8 14.6 21.8



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: 4.663 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY002183.D

Acq: 02 Apr 2020 11:44

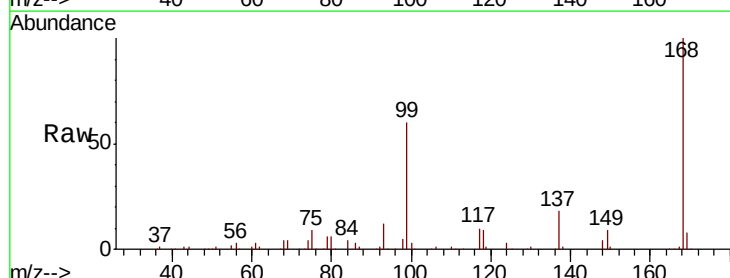
Tgt Ion: 75 Resp: 11306

Ion Ratio Lower Upper

75 100

110 7.5 17.2 51.6#

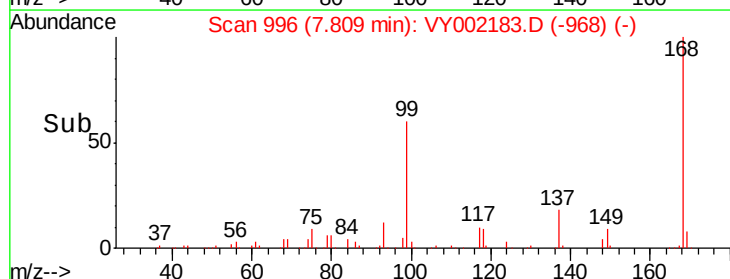
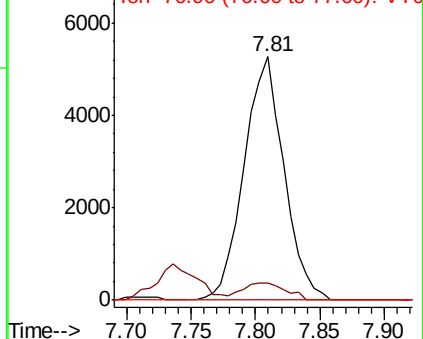
77 0.0 24.7 37.1#

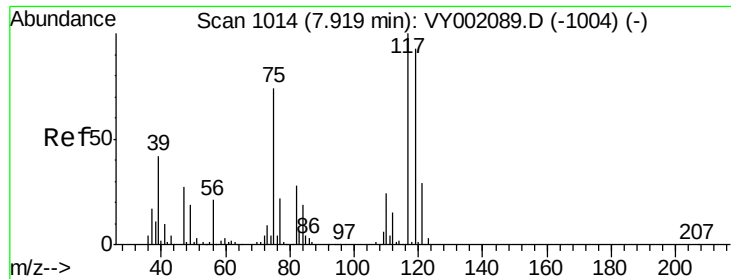


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

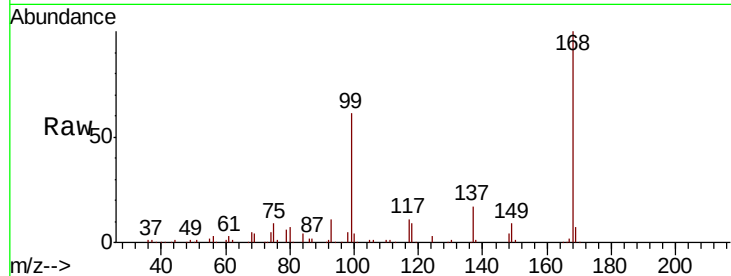




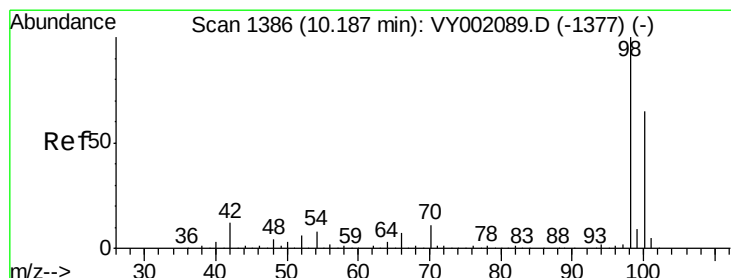
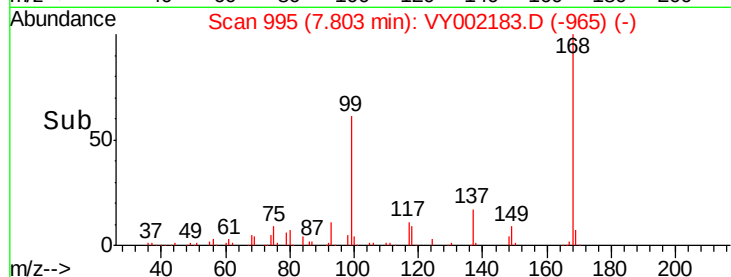
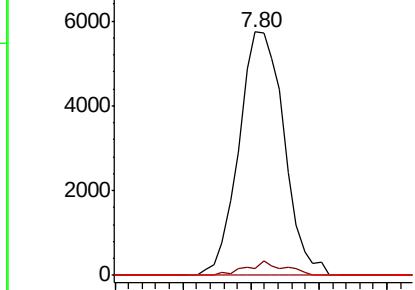
#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 13322
Ion Ratio Lower Upper
117 100
119 2.7 74.3 111.5#
121 0.0 23.3 34.9#

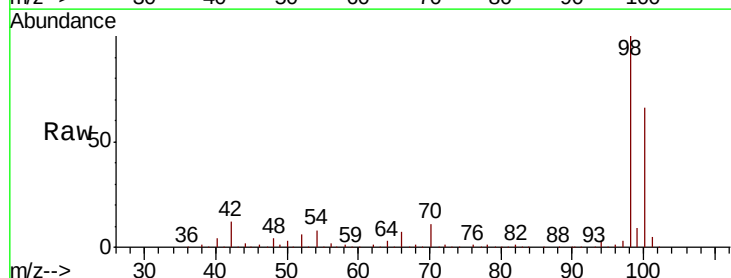


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

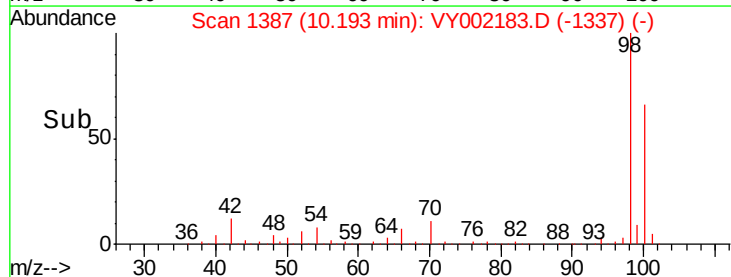
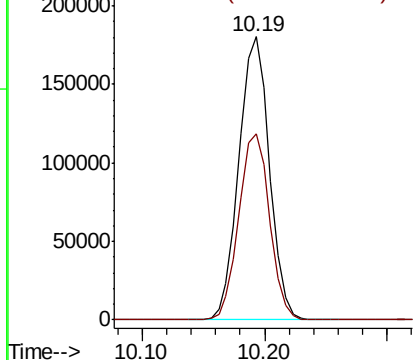


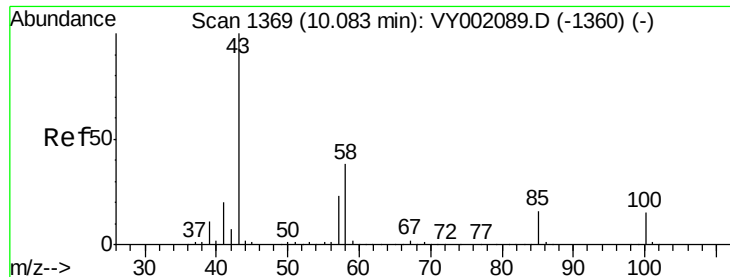
#50
Toluene-d8
Concen: 52.331 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

Tgt Ion: 98 Resp: 312266
Ion Ratio Lower Upper
98 100
100 66.2 51.6 77.4



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

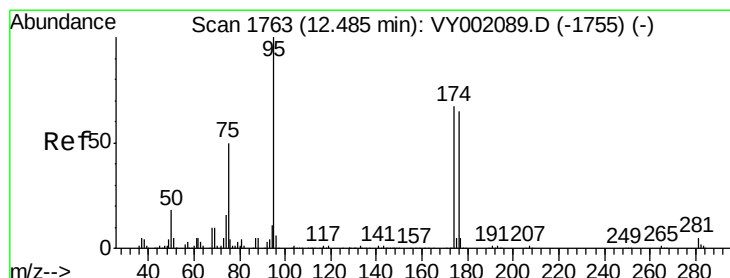
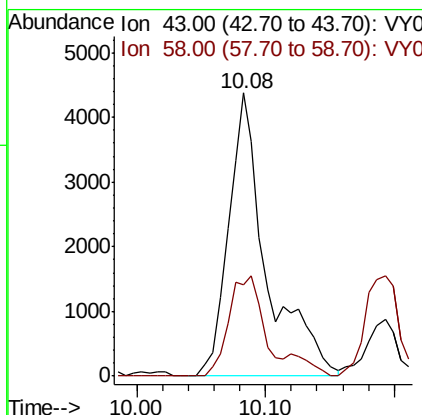
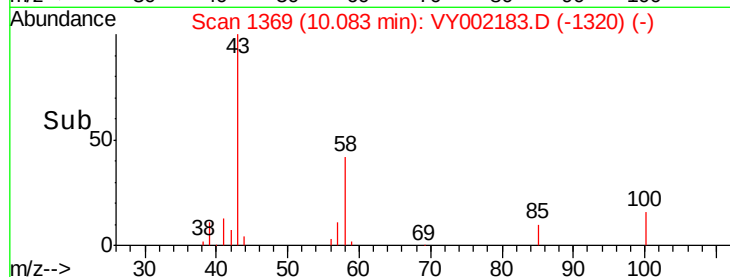
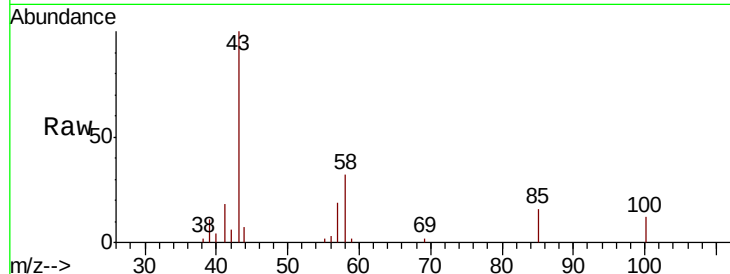




#51
4-Methyl-2-Pentanone
Concen: 6.436 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

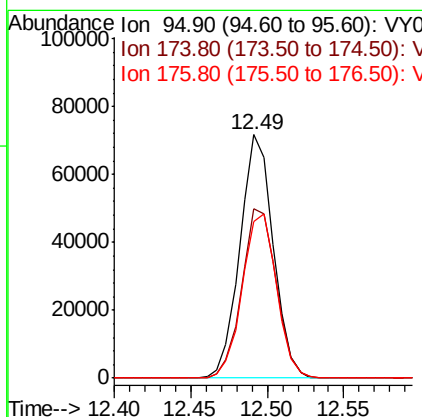
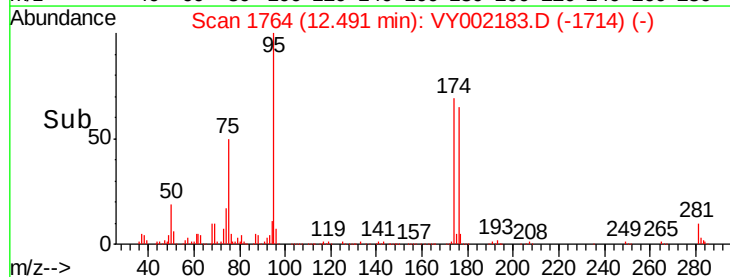
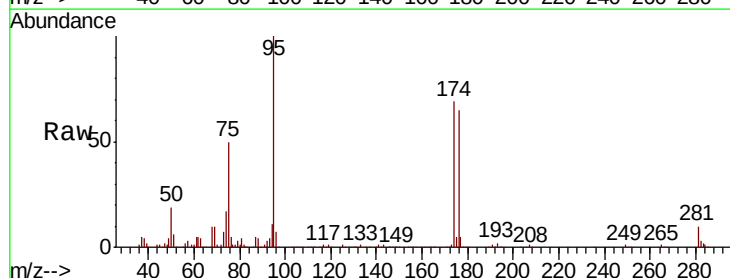
Instrument :
MSVOA_Y
ClientSampled :

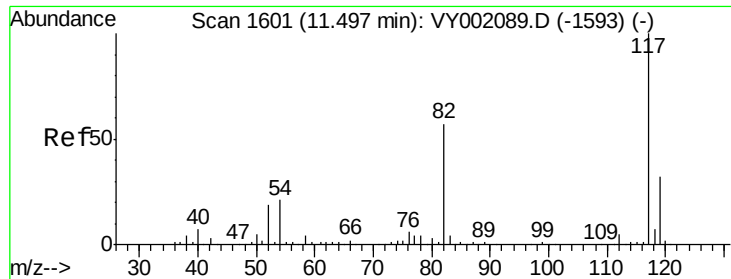
Tot Ion: 43 Resp: 9013
Ion Ratio Lower Upper
43 100
58 31.8 31.6 47.4



#62
4-Bromofluorobenzene
Concen: 51.997 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

Tgt Ion: 95 Resp: 108512
Ion Ratio Lower Upper
95 100
174 72.1 0.0 143.4
176 69.8 0.0 137.0

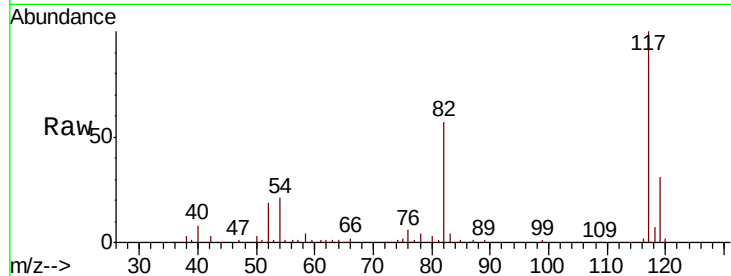




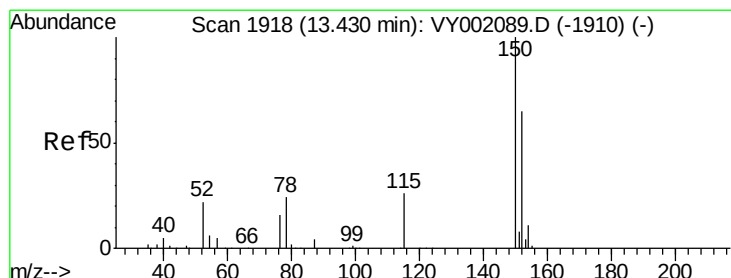
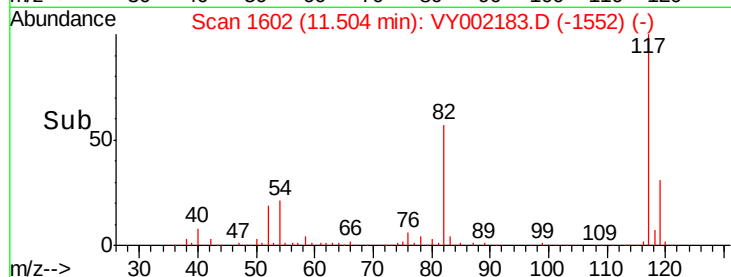
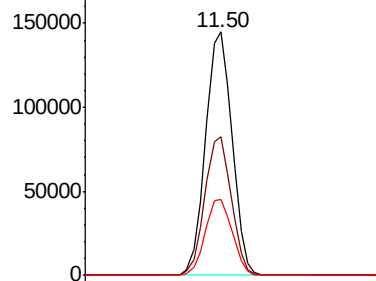
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 239013
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.2
119 31.1 25.3 37.9

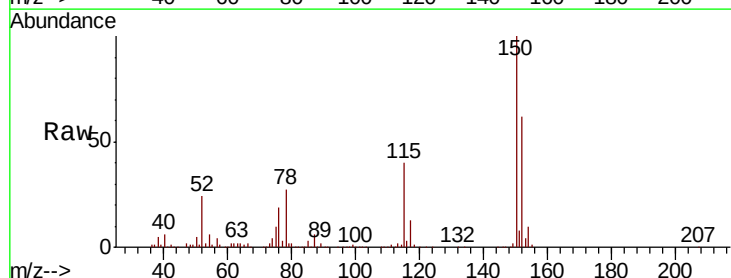


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

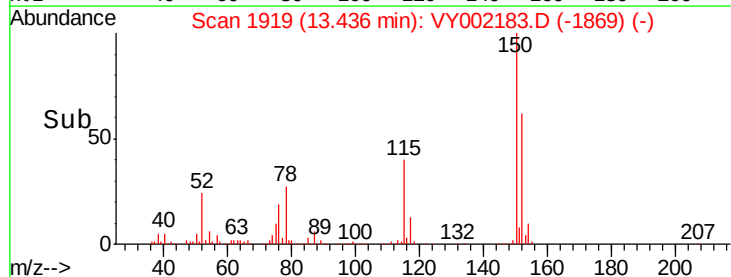
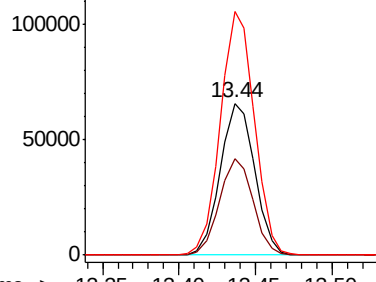


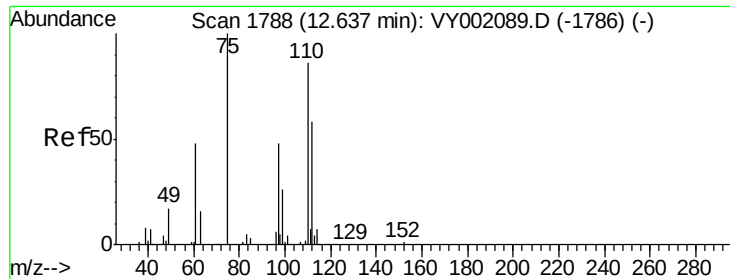
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY002183.D
Acq: 02 Apr 2020 11:44

Tgt Ion:152 Resp: 103109
Ion Ratio Lower Upper
152 100
115 62.0 31.2 93.6
150 158.6 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: 49.019 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002183.D

Acq: 02 Apr 2020 11:44

Instrument :

MSVOA_Y

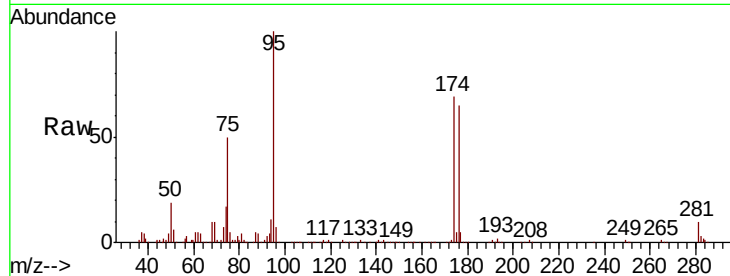
ClientSampleId :

Tot Ion: 75 Resp: 56537

Ion Ratio Lower Upper

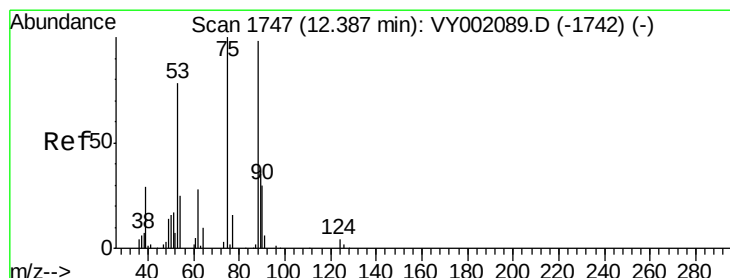
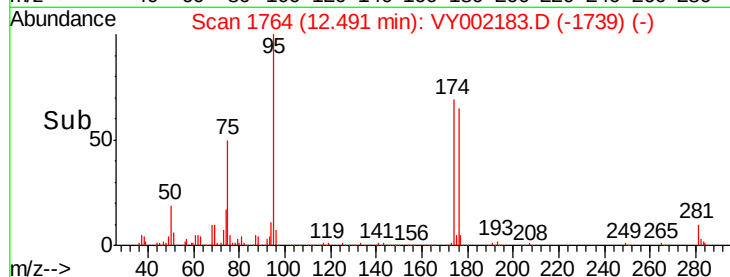
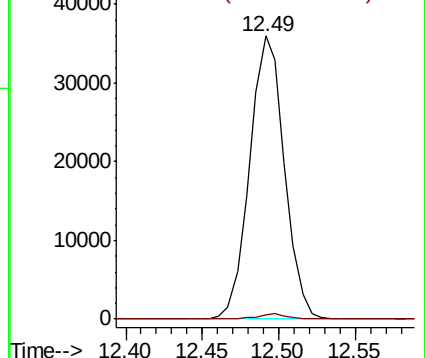
75 100

77 1.5 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: 94.967 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002183.D

Acq: 02 Apr 2020 11:44

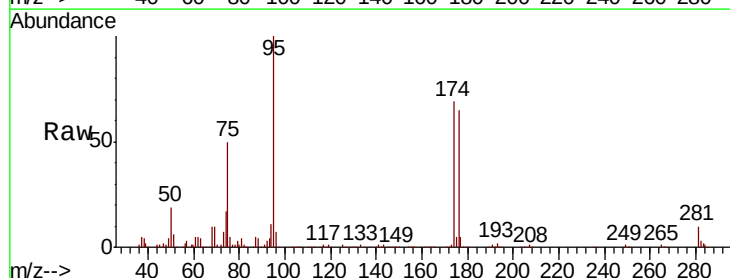
Tgt Ion: 75 Resp: 56537

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 0.3 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

