

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002234.D
 Acq On : 06 Apr 2020 14:09
 Operator : SY/MD
 Sample : L2166-11
 Misc : 6.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:24:40 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	7.80	168	130414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	257674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	239592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	101962	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	82083	56.94	ug/l	-0.01
Spiked Amount						
			Recovery	=		113.88%
35) Dibromofluoromethane	7.73	113	76729	53.14	ug/l	0.00
Spiked Amount						
			Recovery	=		106.28%
50) Toluene-d8	10.19	98	316780	52.82	ug/l	0.00
Spiked Amount						
			Recovery	=		105.64%
62) 4-Bromofluorobenzene	12.49	95	108641	51.79	ug/l	0.00
Spiked Amount						
			Recovery	=		103.58%

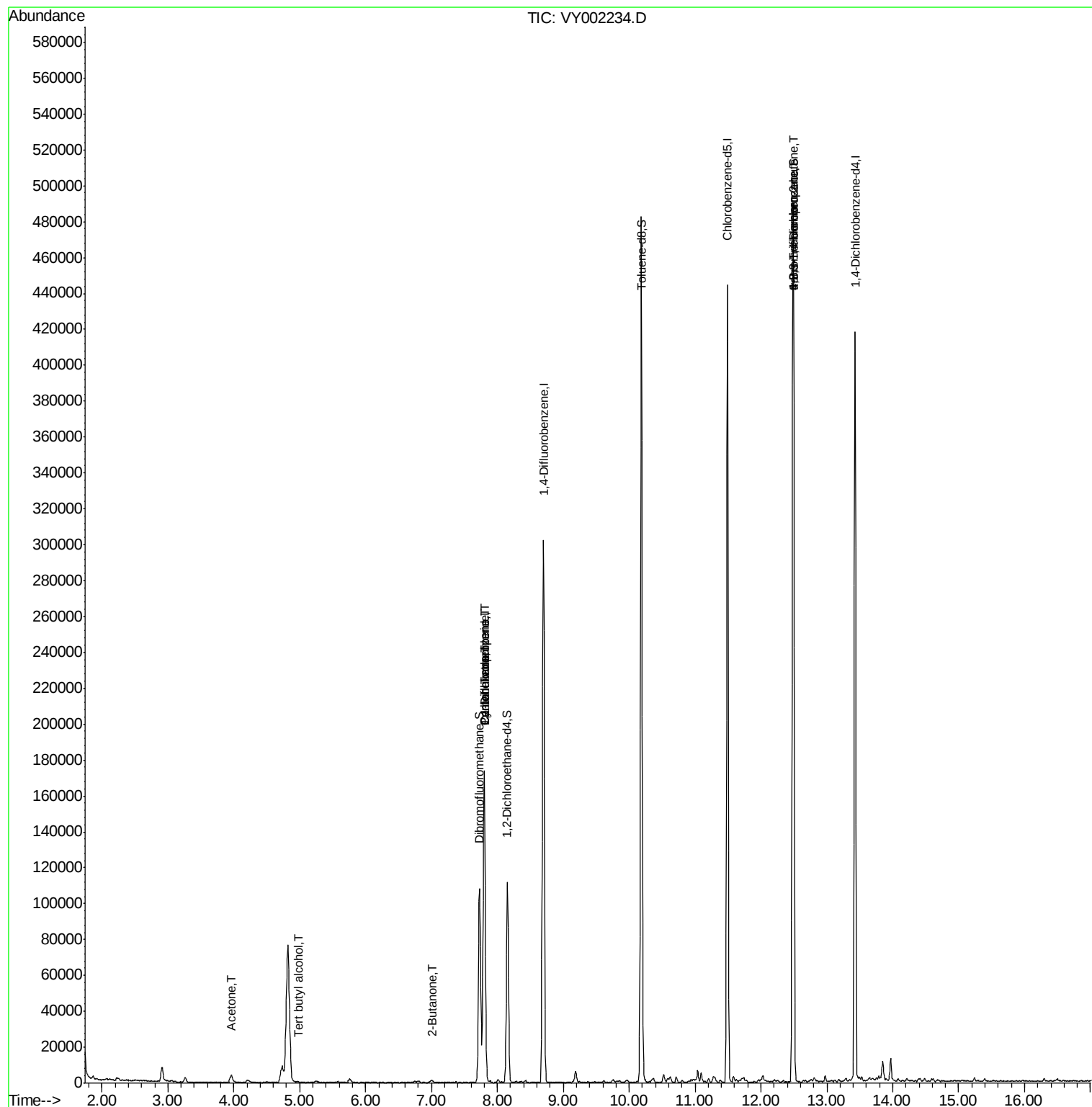
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	31	Below Cal	#	43
11) Tert butyl alcohol	4.97	59	1067	6.280	ug/l #	74
16) Acetone	3.96	43	6848	16.907	ug/l	99
20) Methylene Chloride	4.73	84	6270	Below Cal		95
25) 2-Butanone	7.01	43	960	1.544	ug/l	98
31) Cyclohexane	7.80	56	3921	1.305	ug/l #	6
36) 1,1-Dichloropropene	7.80	75	11185	4.589	ug/l #	49
38) Carbon Tetrachloride	7.80	117	13280	6.422	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	56800	49.801	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	56800	96.482	ug/l #	19

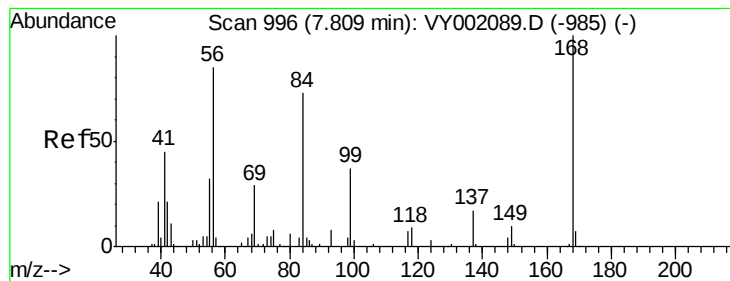
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

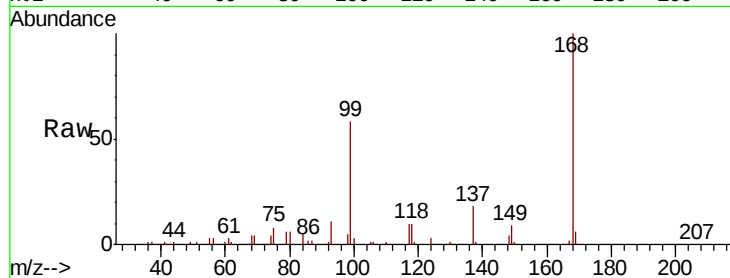
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 130414

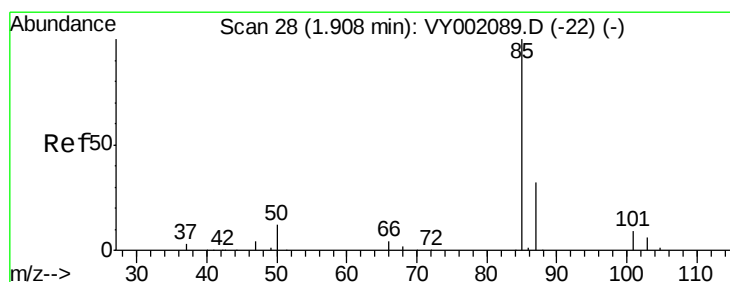
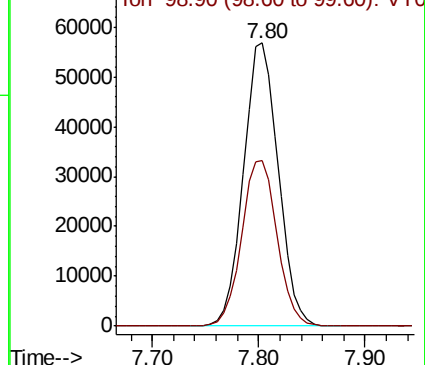
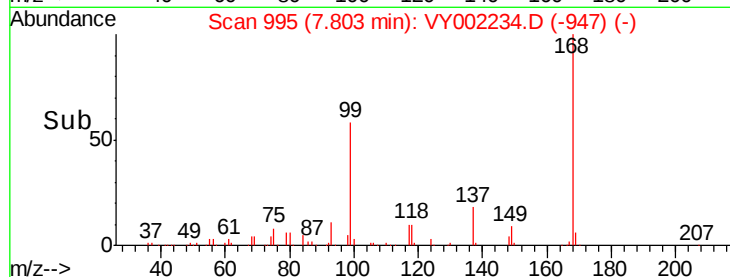
Ion Ratio Lower Upper

168 100

99 58.3 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002234.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002234.D

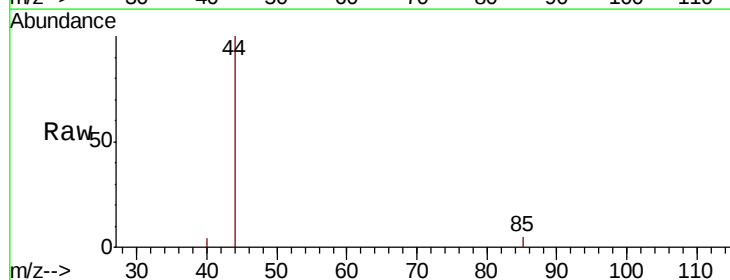
Acq: 06 Apr 2020 14:09

Tgt Ion: 85 Resp: 31

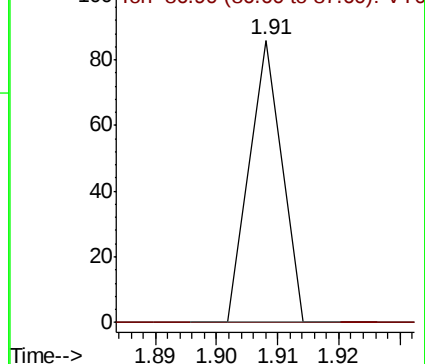
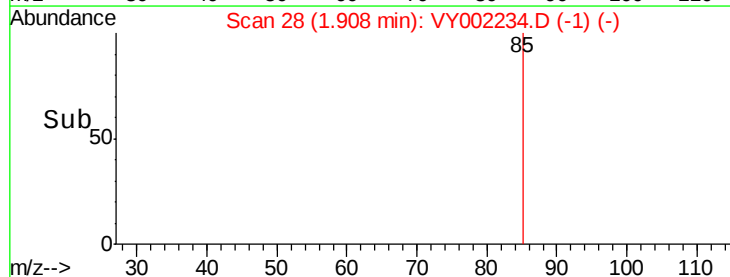
Ion Ratio Lower Upper

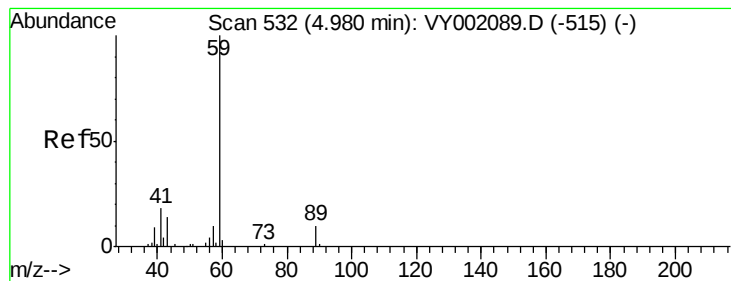
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002234.D (-1) (-)



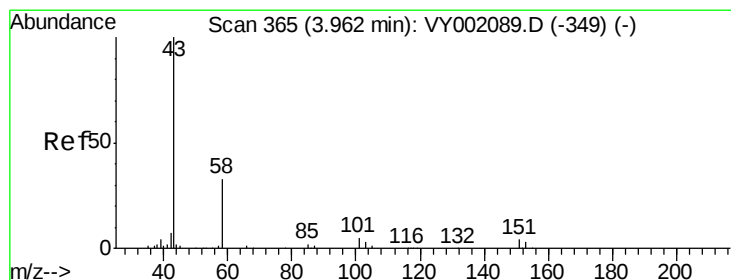
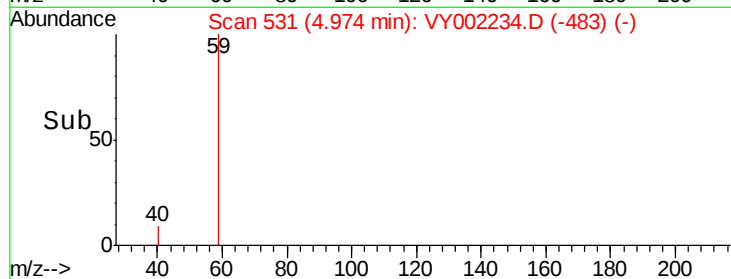
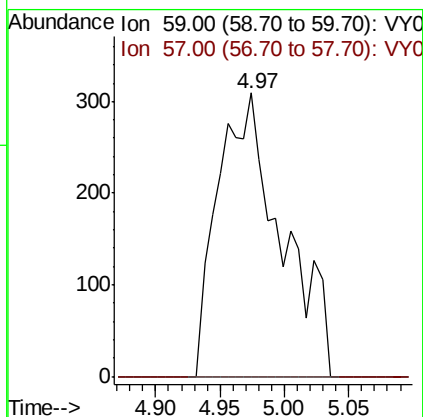
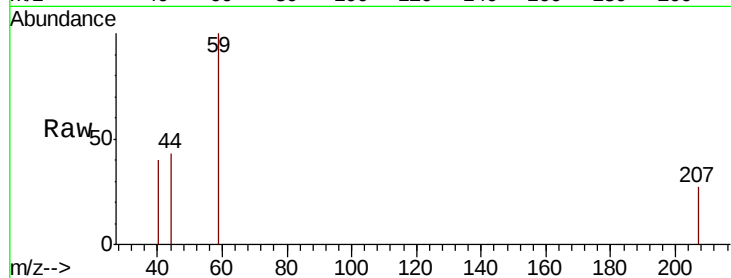


#11

Tert butyl alcohol
 Concen: 6.280 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002234.D
 Acq: 06 Apr 2020 14:09

Instrument :
 MSVOA_Y
 ClientSampleId :

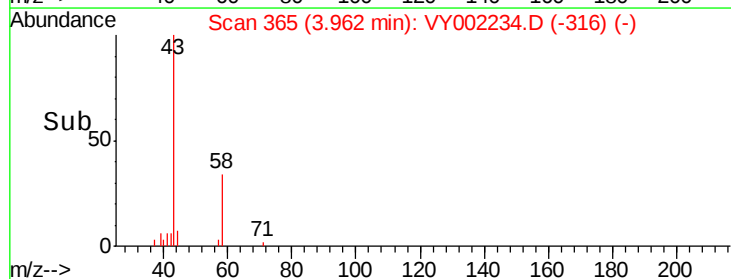
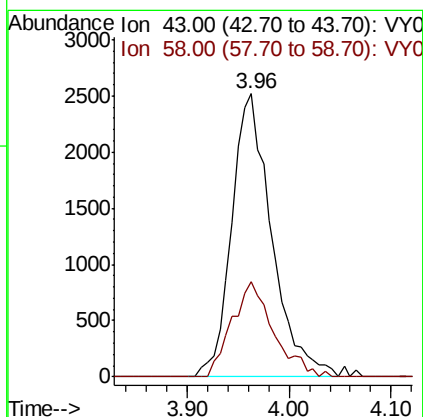
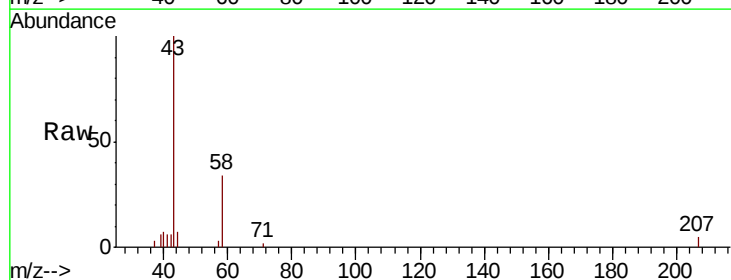
Tot Ion: 59 Resp: 1067
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

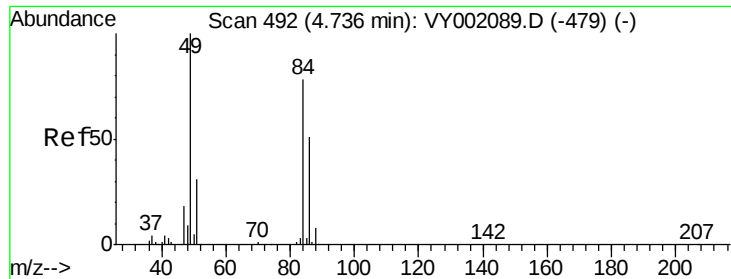


#16

Acetone
 Concen: 16.907 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VY002234.D
 Acq: 06 Apr 2020 14:09

Tgt Ion: 43 Resp: 6848
 Ion Ratio Lower Upper
 43 100
 58 33.6 26.3 39.5

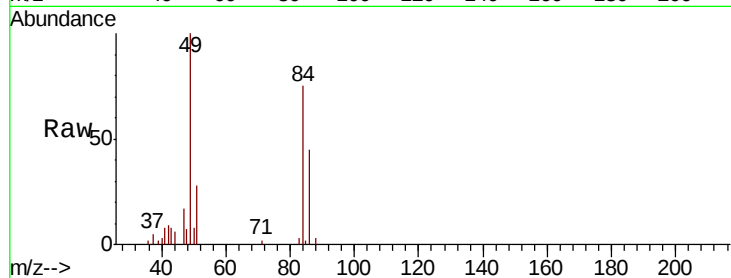




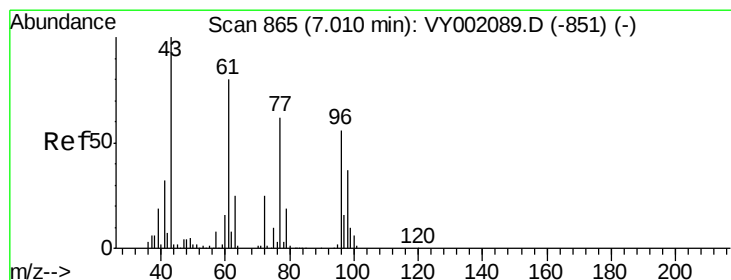
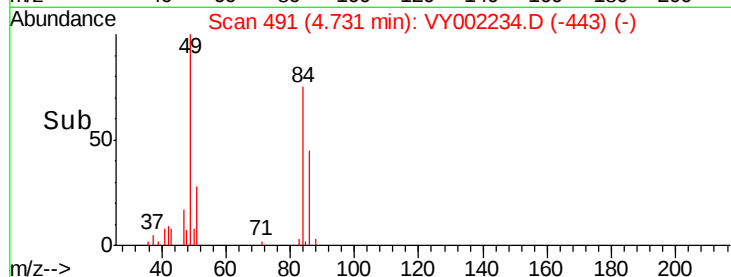
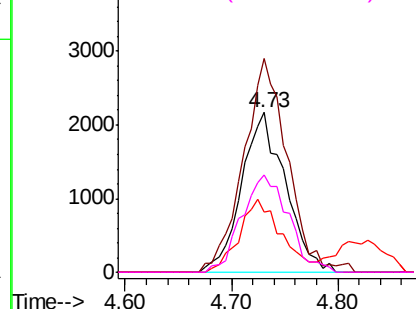
#20
Methylene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002234.D
Acq: 06 Apr 2020 14:09

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 6270
Ion Ratio Lower Upper
84 100
49 133.8 102.2 153.4
51 37.8 31.2 46.8
86 60.7 52.6 78.8

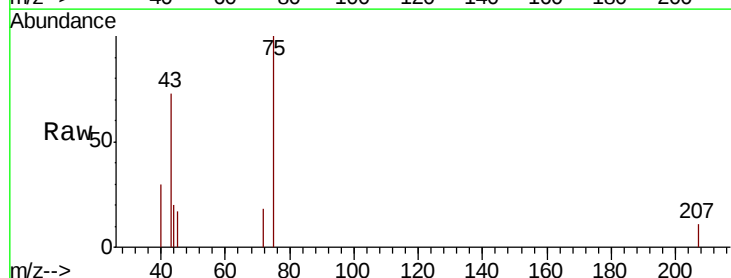


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

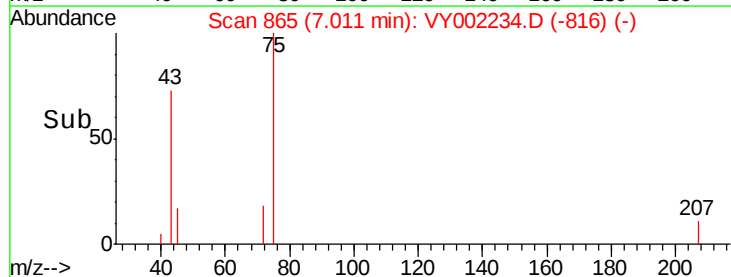
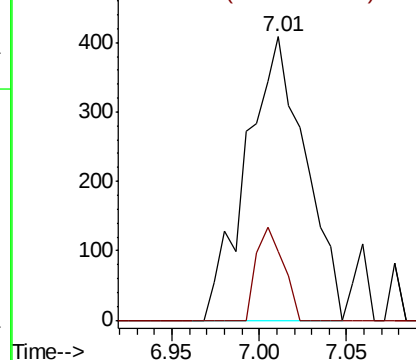


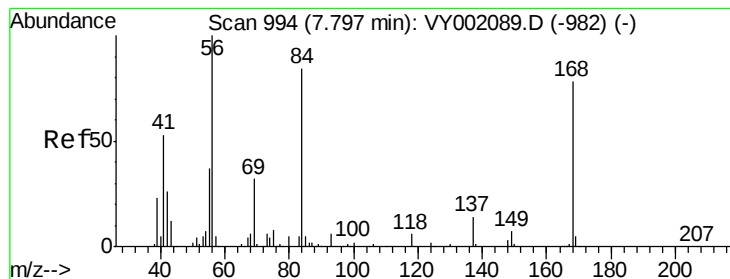
#25
2-Butanone
Concen: 1.544 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.00 min
Lab File: VY002234.D
Acq: 06 Apr 2020 14:09

Tgt Ion: 43 Resp: 960
Ion Ratio Lower Upper
43 100
72 24.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.305 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

Instrument :
MSVOA_Y
ClientSampleId :

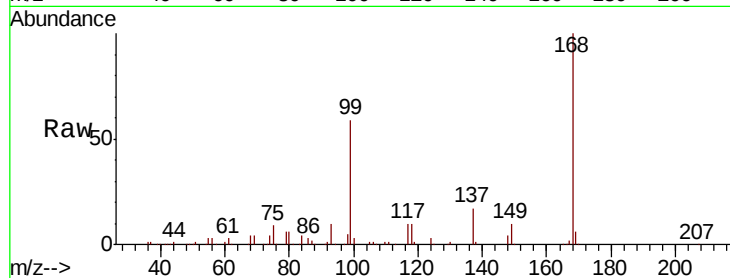
Tot Ion: 56 Resp: 3921

Ion Ratio Lower Upper

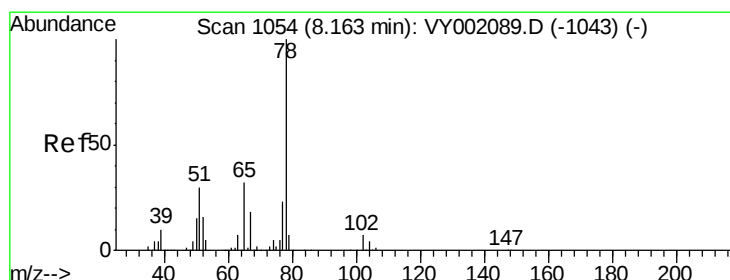
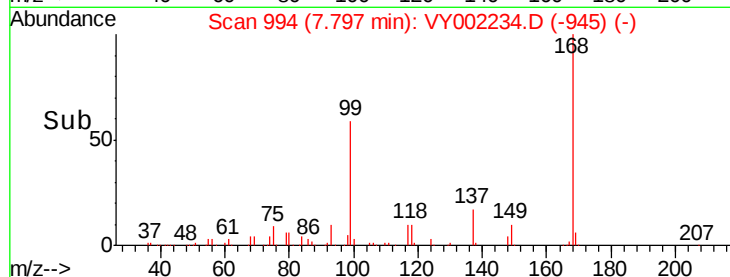
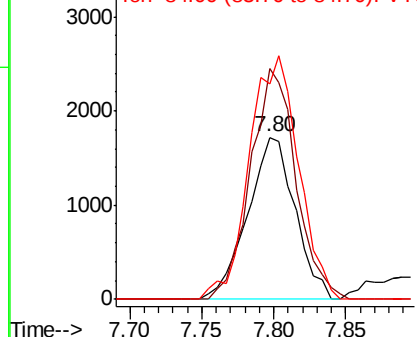
56 100

69 142.1 25.8 38.8#

84 133.1 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: 56.935 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002234.D

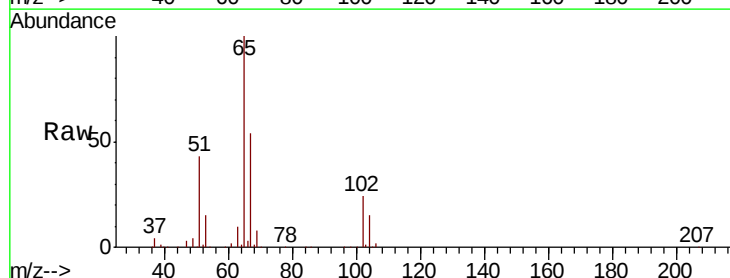
Acq: 06 Apr 2020 14:09

Tgt Ion: 65 Resp: 82083

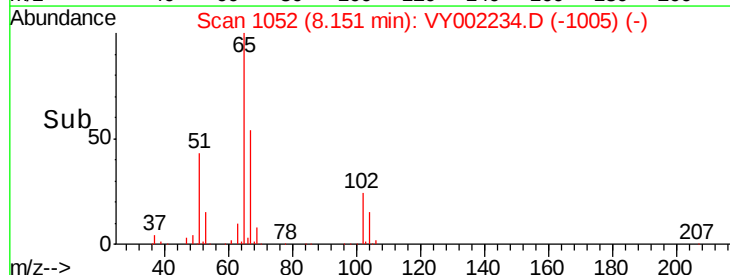
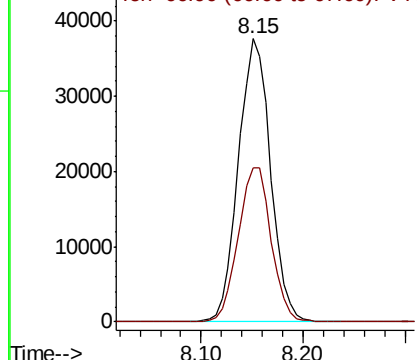
Ion Ratio Lower Upper

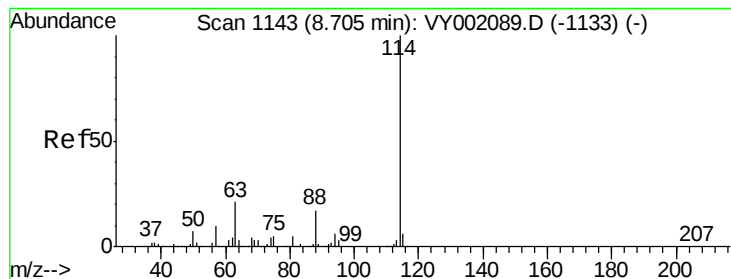
65 100

67 55.9 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: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

Instrument :

MSVOA_Y

ClientSampleId :

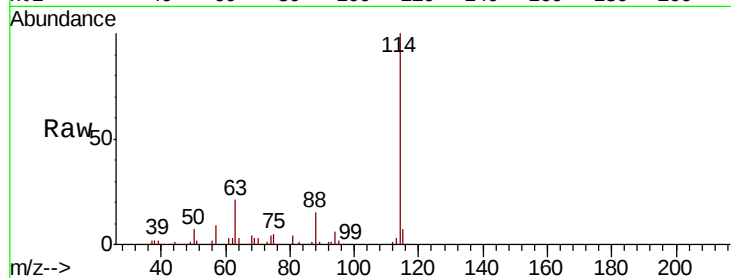
Tot Ion:114 Resp: 257674

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

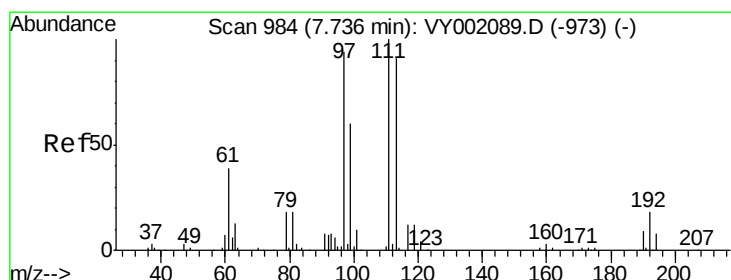
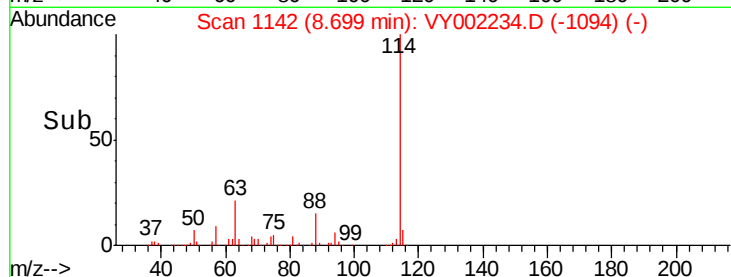
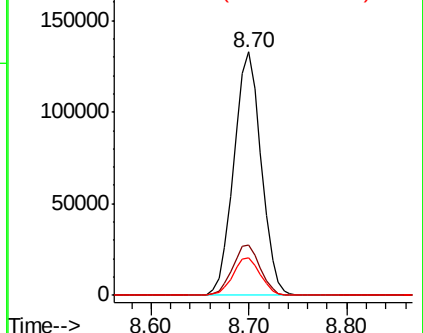
88 15.2 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.144 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.01 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

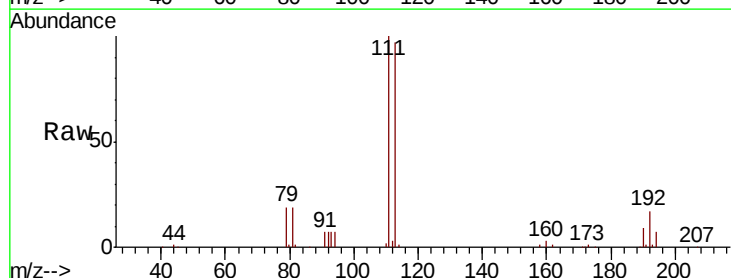
Tgt Ion:113 Resp: 76729

Ion Ratio Lower Upper

113 100

111 103.1 84.4 126.6

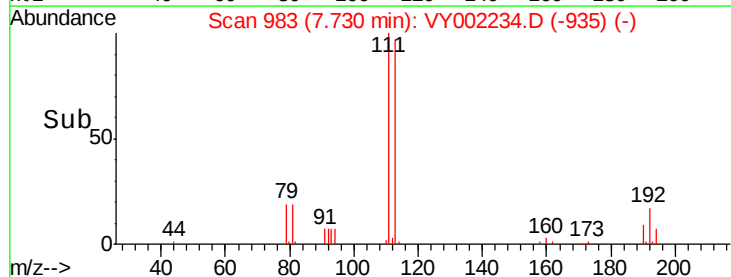
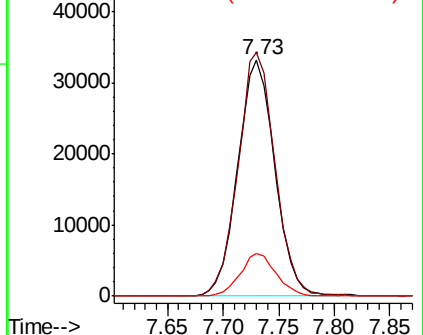
192 17.4 14.6 21.8

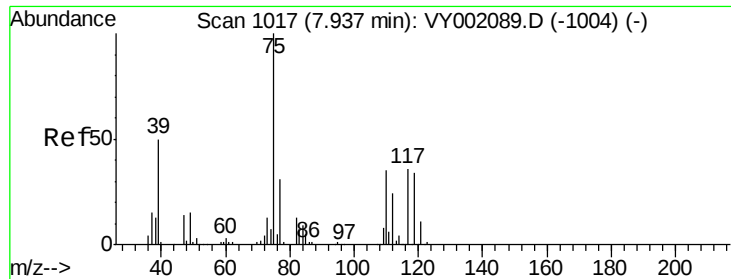


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

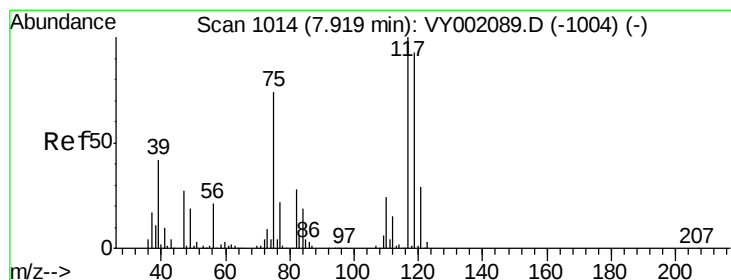
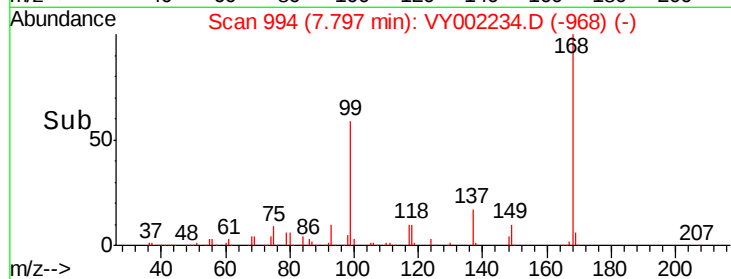
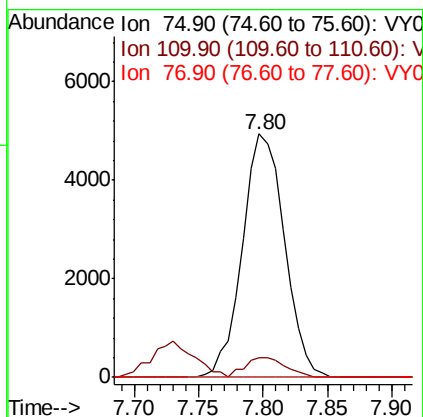
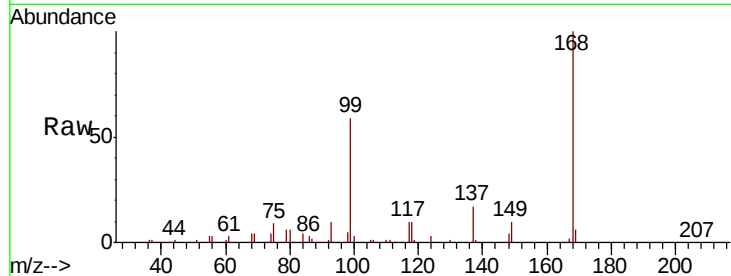




#36
 1,1-Dichloropropene
 Concen: 4.589 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002234.D
 Acq: 06 Apr 2020 14:09

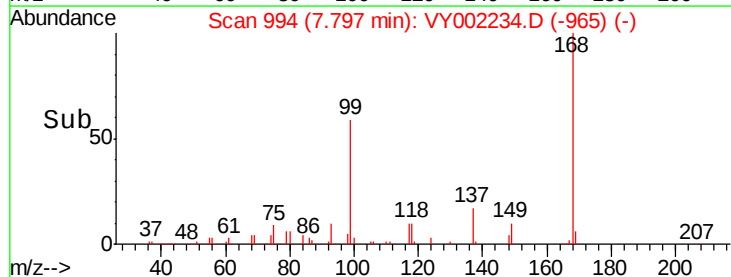
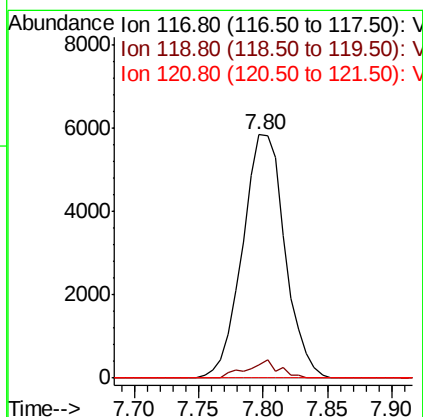
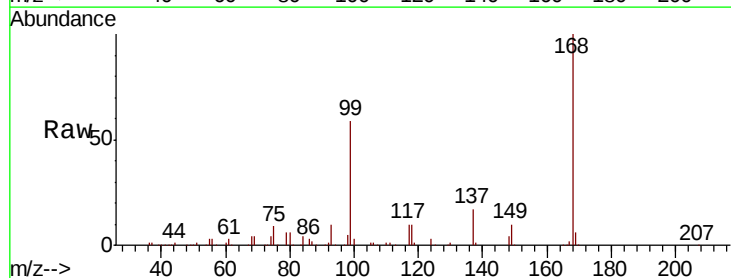
Instrument :
 MSVOA_Y
 ClientSampled :

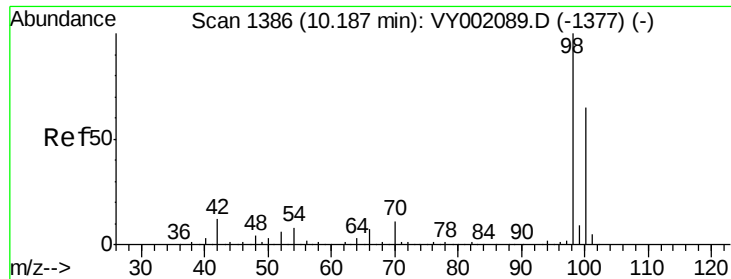
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.2	51.6#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.422 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY002234.D
 Acq: 06 Apr 2020 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	74.3	111.5#
121	0.0	23.3	34.9#





#50

Toluene-d8

Concen: 52.816 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

Instrument :

MSVOA_Y

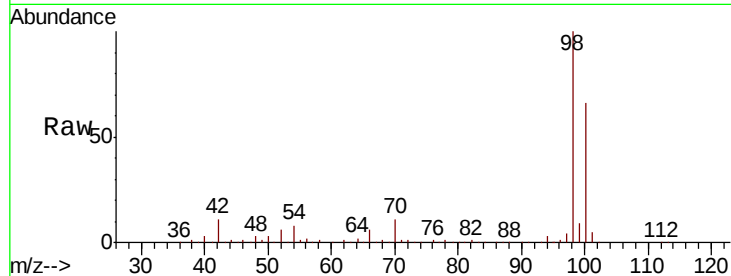
ClientSampleId :

Tot Ion: 98 Resp: 316780

Ion Ratio Lower Upper

98 100

100 65.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

200000

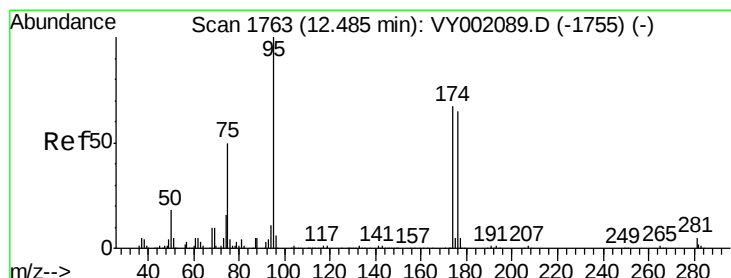
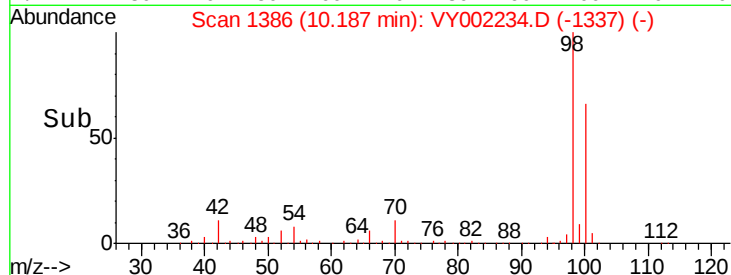
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.792 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

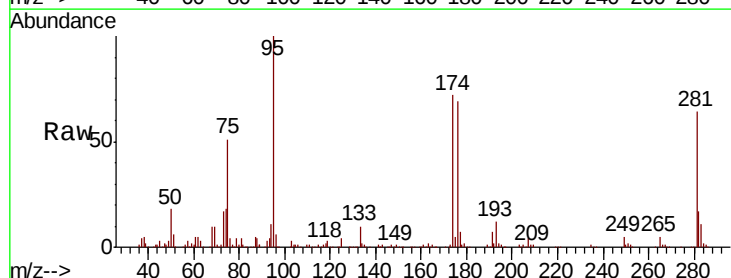
Tgt Ion: 95 Resp: 108641

Ion Ratio Lower Upper

95 100

174 72.2 0.0 143.4

176 69.5 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

12.49

100000

80000

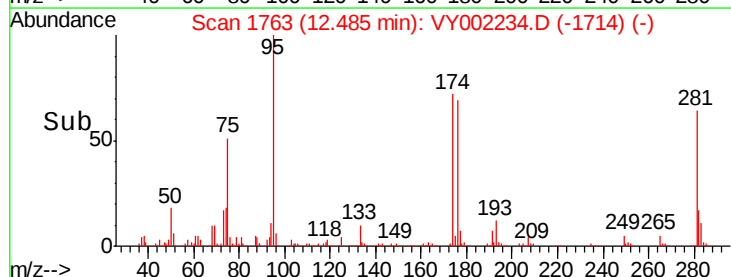
60000

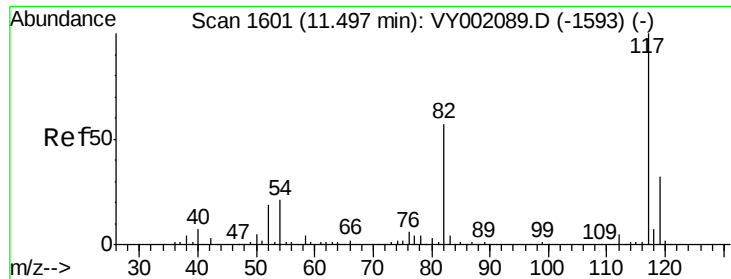
40000

20000

0

Time-->

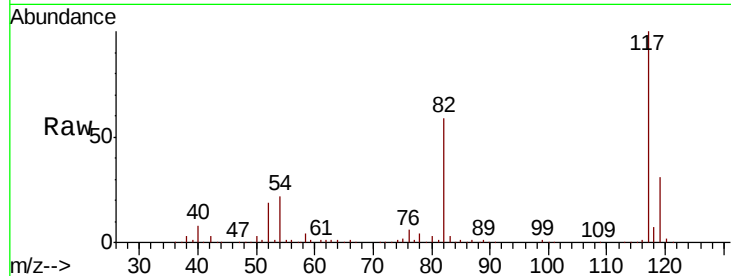




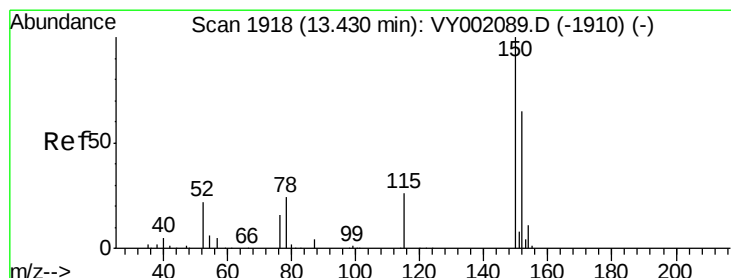
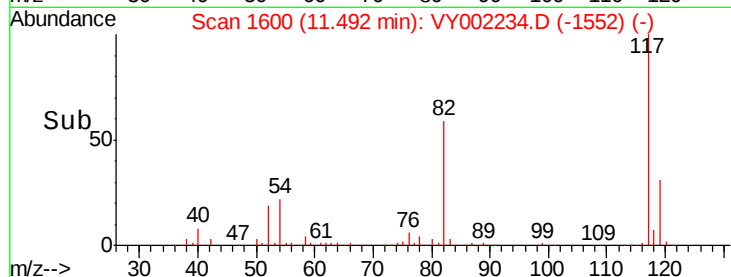
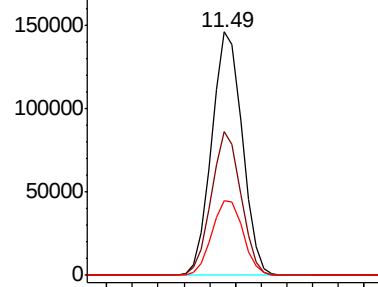
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002234.D
Acq: 06 Apr 2020 14:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 239592
Ion Ratio Lower Upper
117 100
82 59.0 45.4 68.2
119 30.8 25.3 37.9

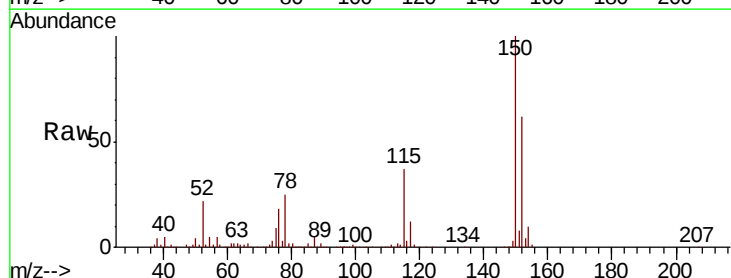


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

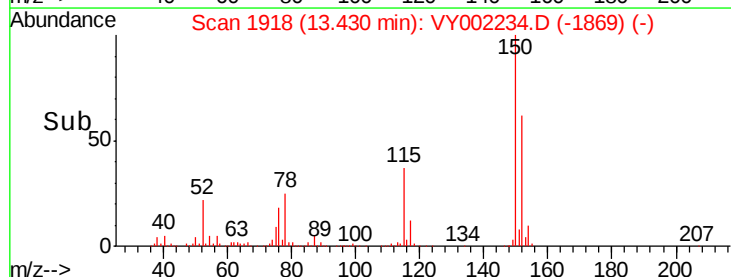
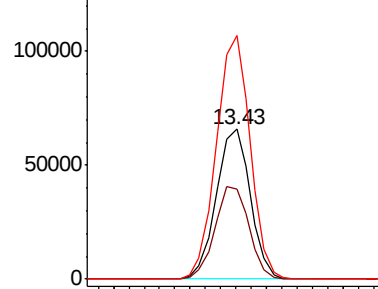


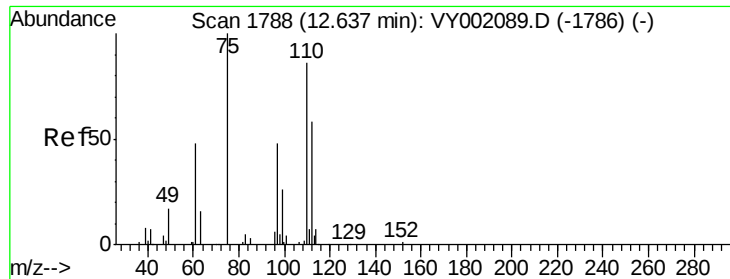
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002234.D
Acq: 06 Apr 2020 14:09

Tgt Ion:152 Resp: 101962
Ion Ratio Lower Upper
152 100
115 61.8 31.2 93.6
150 160.5 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: 49.801 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

Instrument :

MSVOA_Y

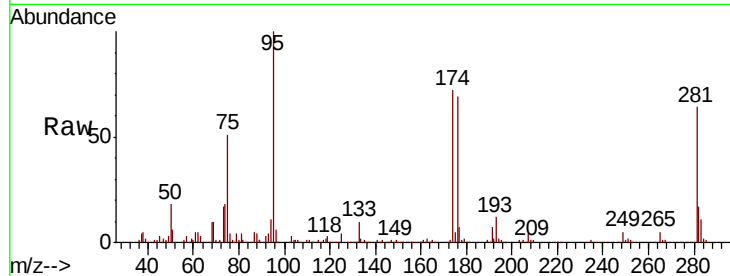
ClientSampleId :

Tot Ion: 75 Resp: 56800

Ion Ratio Lower Upper

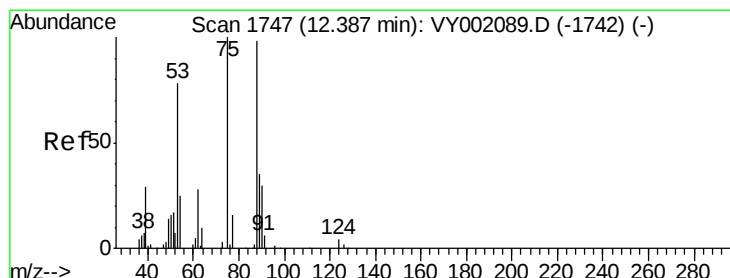
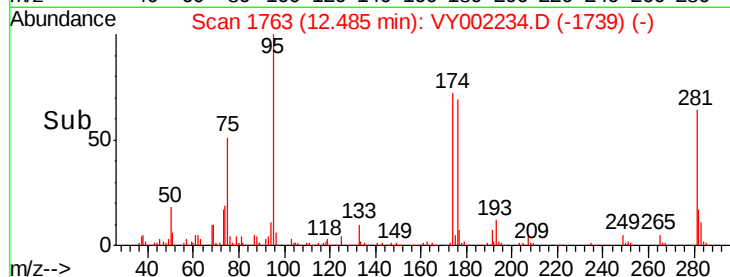
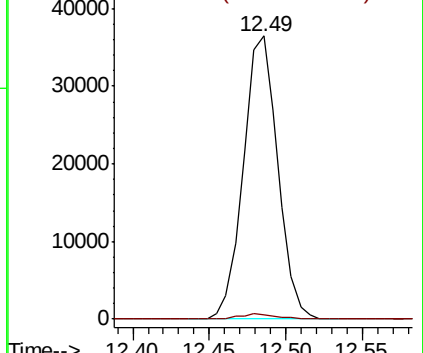
75 100

77 1.8 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: 96.482 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002234.D

Acq: 06 Apr 2020 14:09

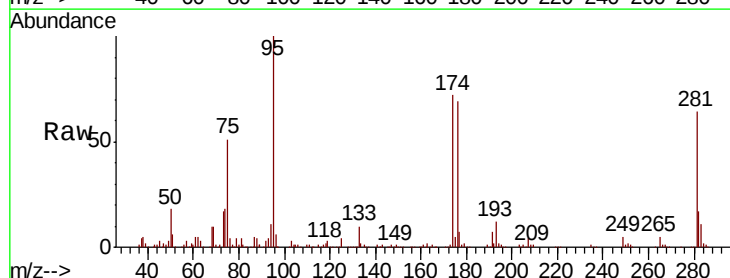
Tgt Ion: 75 Resp: 56800

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

89 2.6 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

