

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040320\
 Data File : VY002223.D
 Acq On : 03 Apr 2020 17:03
 Operator : SY/MD
 Sample : L2153-05
 Misc : 5.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-2520699

Quant Time: Apr 04 00:19:35 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

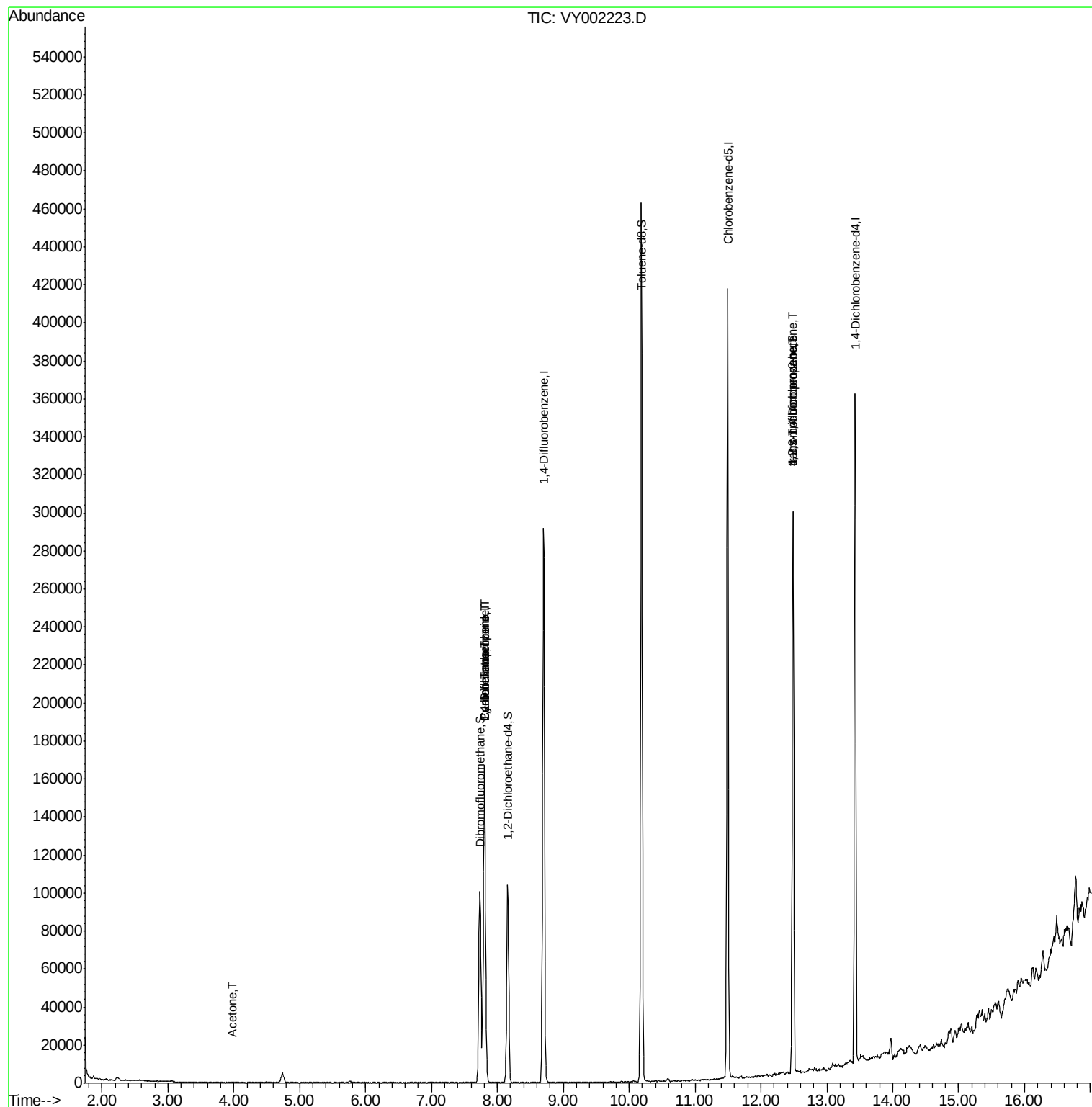
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	122932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	243468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	219192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	84471	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	77917	57.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.66%	
35) Dibromofluoromethane	7.74	113	71650	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
50) Toluene-d8	10.19	98	294549	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.49	95	94009	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	21	Below Cal	#	43
16) Acetone	3.97	43	601	1.574	ug/l	96
20) Methylene Chloride	4.74	84	3721	Below Cal	#	82
31) Cyclohexane	7.80	56	2887	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	10629	4.616	ug/l #	50
38) Carbon Tetrachloride	7.80	117	12883	6.594	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	48657	51.495	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	48657	99.764	ug/l #	17

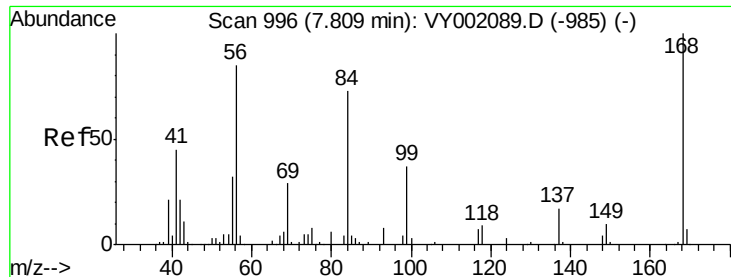
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

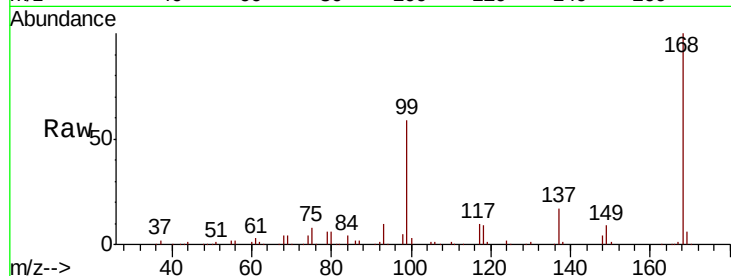
RBR-2520699

Tot Ion:168 Resp: 122932

Ion Ratio Lower Upper

168 100

99 58.6 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002089.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002089.D (-985) (-)

7.80

60000

50000

40000

30000

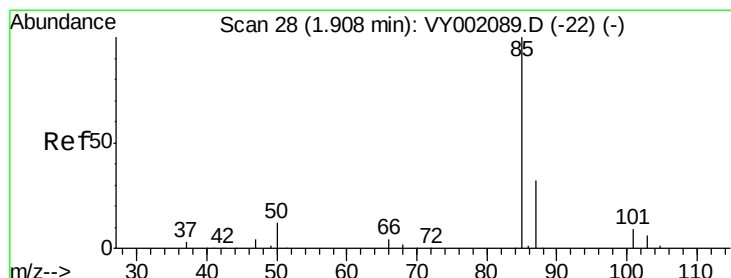
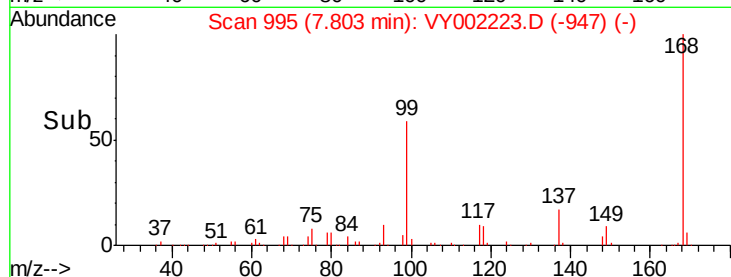
20000

10000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002223.D

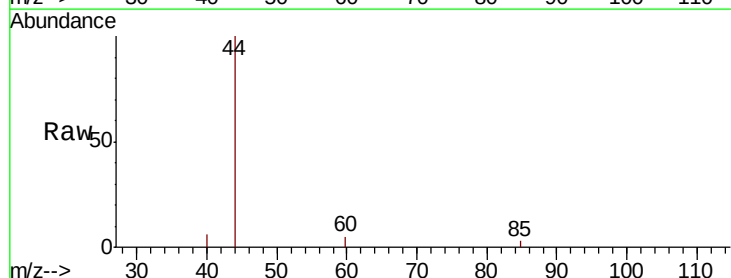
Acq: 03 Apr 2020 17:03

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002089.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002089.D (-22) (-)

1.91

60

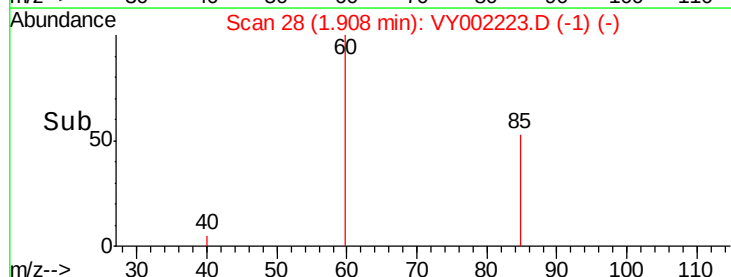
40

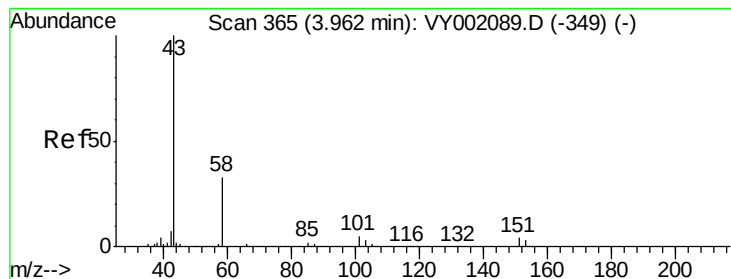
20

0

1.89 1.90 1.91 1.92

Time-->





#16

Acetone

Concen: 1.574 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

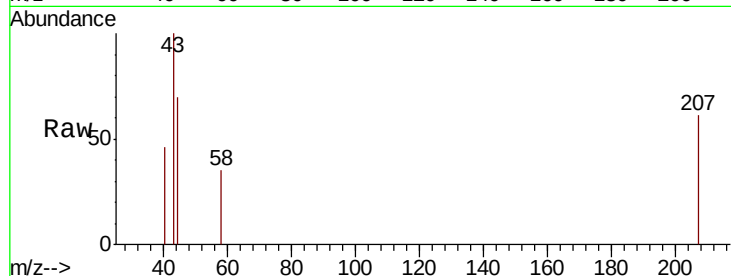
RBR-2520699

Tot Ion: 43 Resp: 601

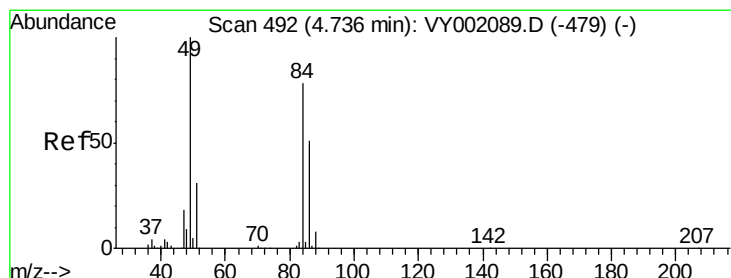
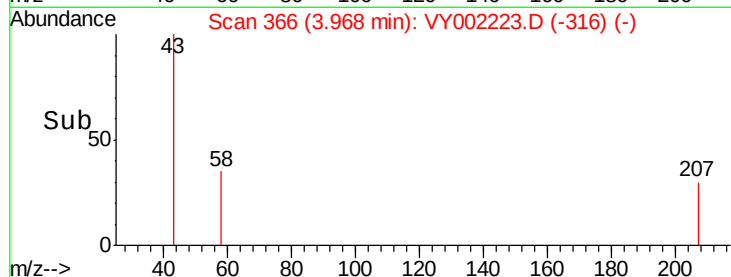
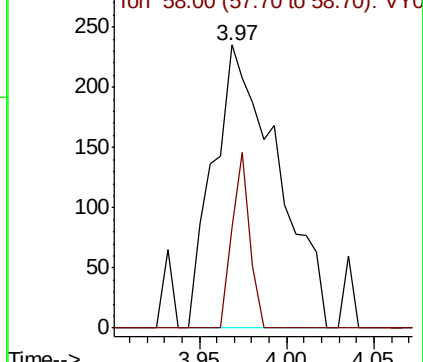
Ion Ratio Lower Upper

43 100

58 35.3 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-349) (-)



#20

Methylene Chloride

Concen: Below Cal

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

Tgt Ion: 84 Resp: 3721

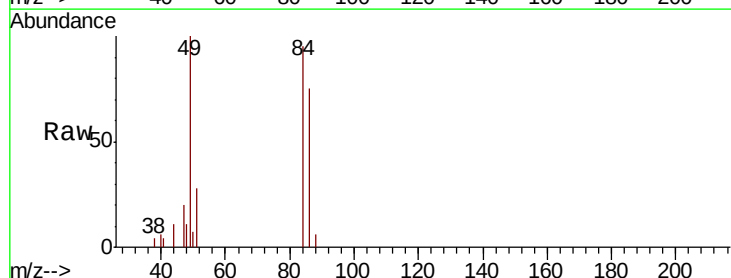
Ion Ratio Lower Upper

84 100

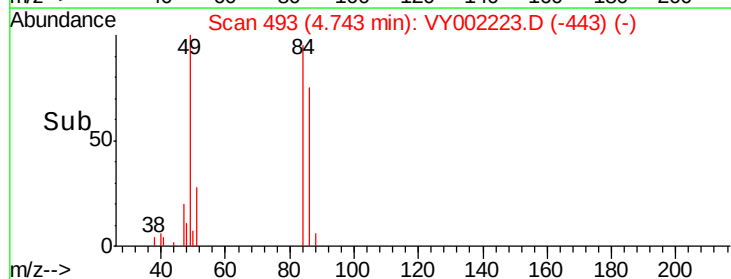
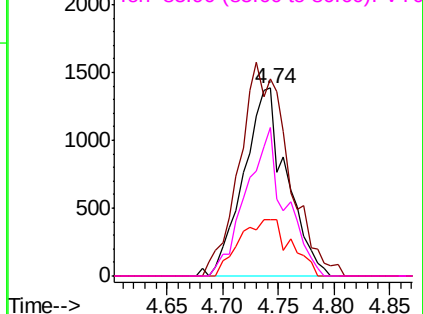
49 104.8 102.2 153.4

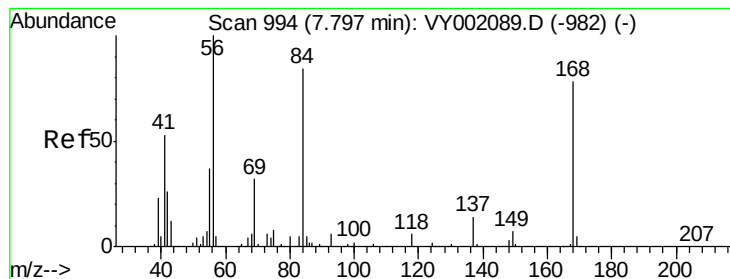
51 29.7 31.2 46.8#

86 78.6 52.6 78.8



Abundance Ion 83.90 (83.60 to 84.60): VY002089.D (-479) (-)





#31

Cyclohexane

Concen: 1.020 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

RBR-2520699

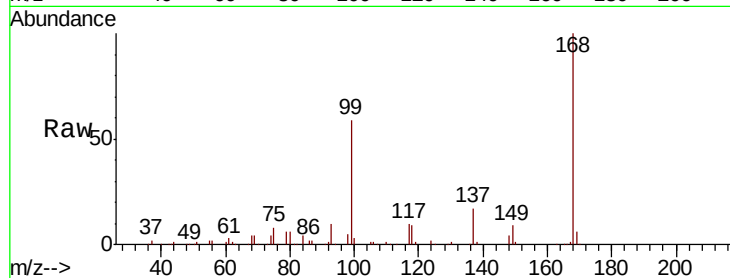
Tot Ion: 56 Resp: 2887

Ion Ratio Lower Upper

56 100

69 185.8 25.8 38.8#

84 184.4 67.1 100.7#

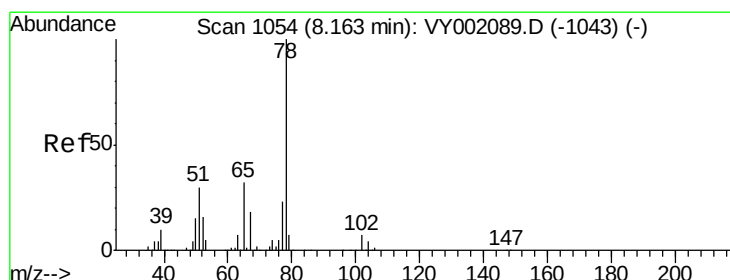
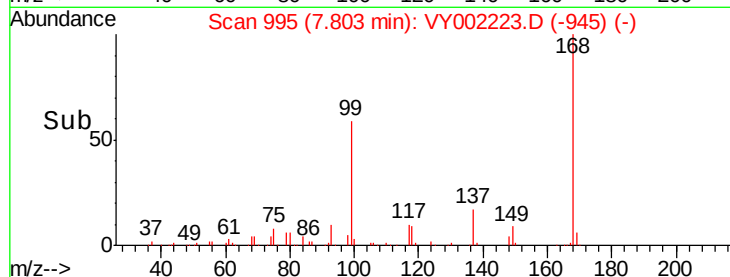
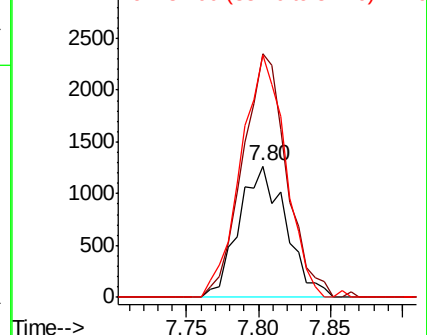


Abundance

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: 57.335 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY002223.D

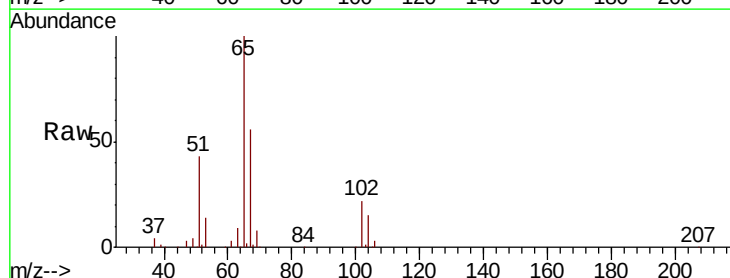
Acq: 03 Apr 2020 17:03

Tgt Ion: 65 Resp: 77917

Ion Ratio Lower Upper

65 100

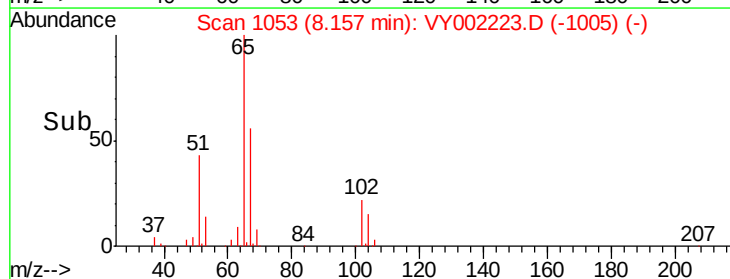
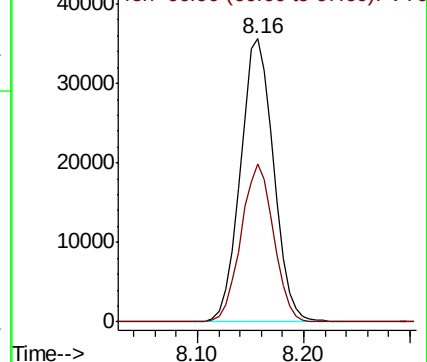
67 54.8 0.0 112.8

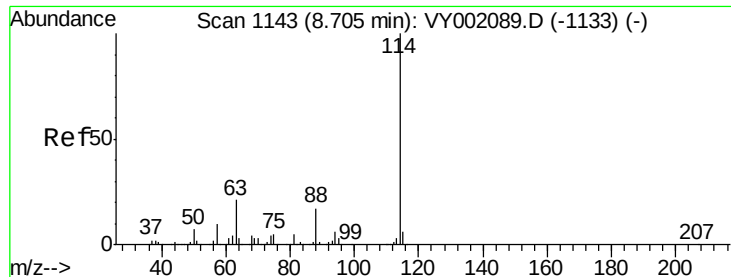


Abundance

Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

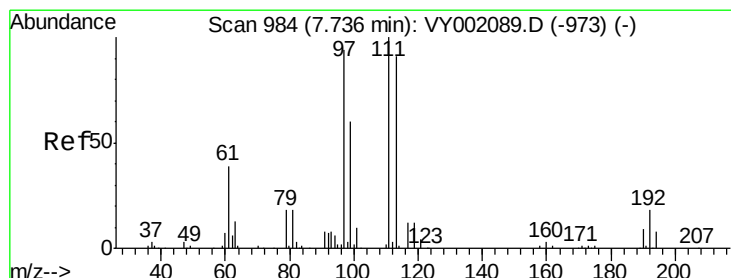
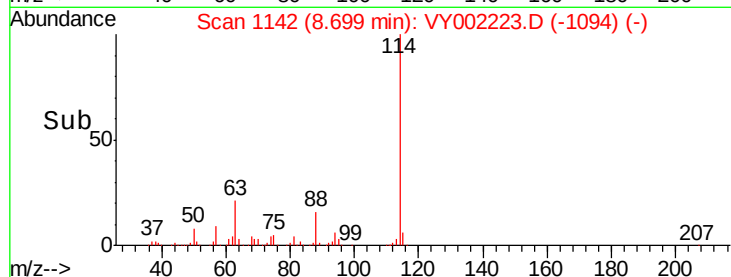
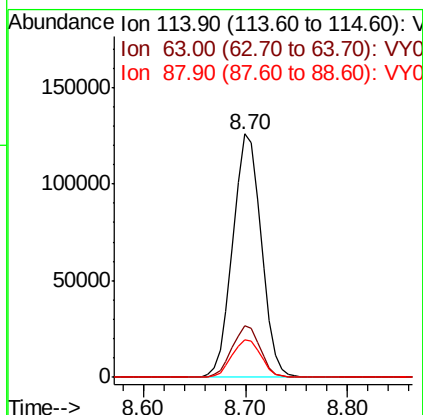
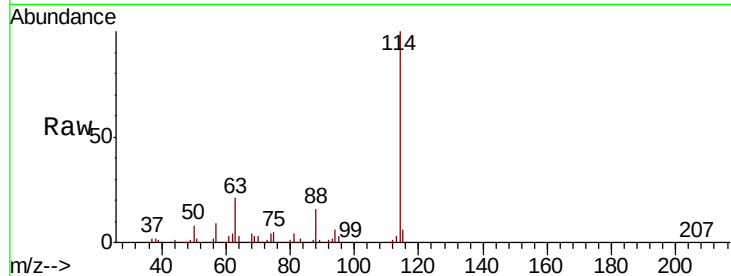




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002223.D
 Acq: 03 Apr 2020 17:03

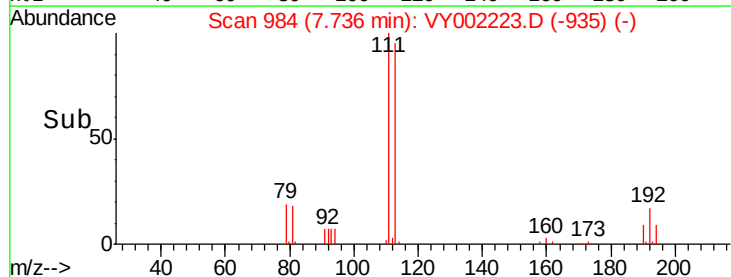
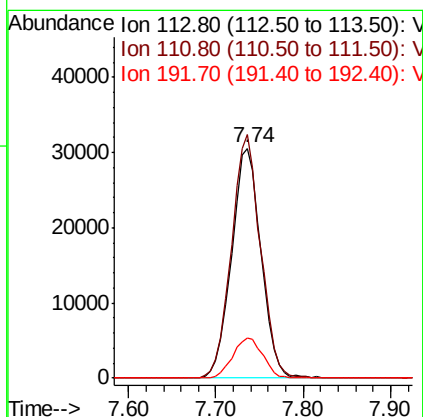
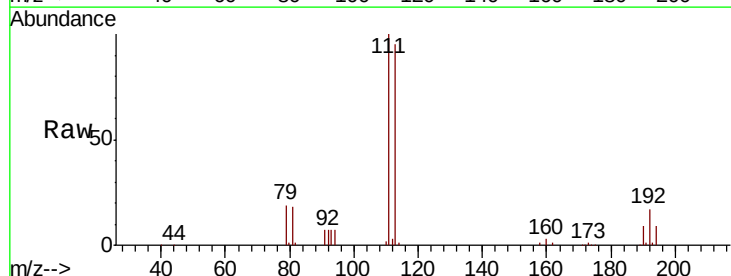
Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-2520699

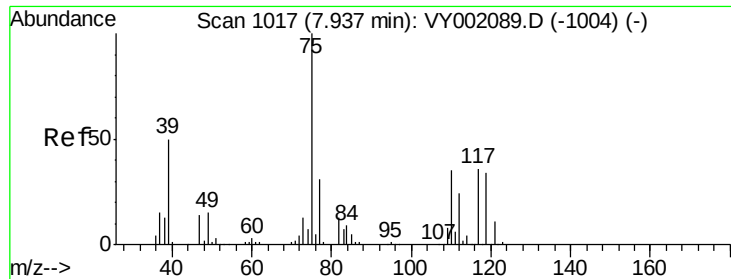
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	41.4
88	15.6	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 52.522 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VY002223.D
 Acq: 03 Apr 2020 17:03

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.5	84.4	126.6
192	17.7	14.6	21.8





#36

1,1-Dichloropropene

Concen: 4.616 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

RBR-2520699

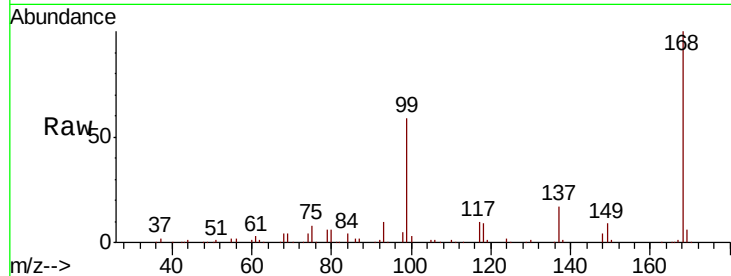
Tot Ion: 75 Resp: 10629

Ion Ratio Lower Upper

75 100

110 9.1 17.2 51.6#

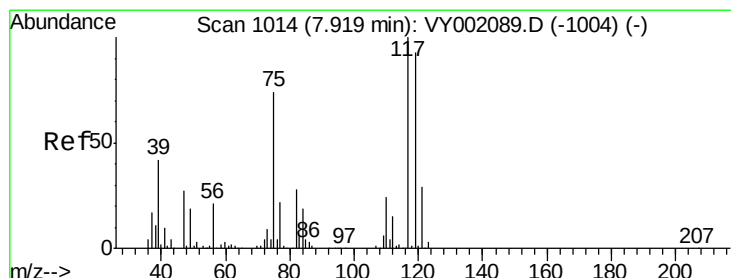
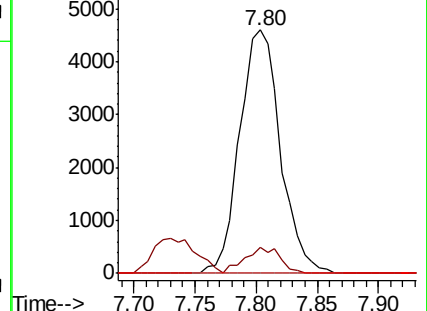
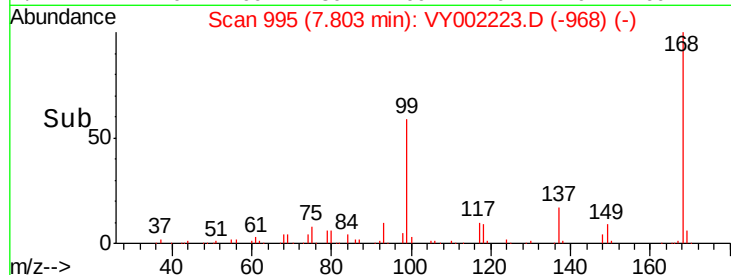
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#38

Carbon Tetrachloride

Concen: 6.594 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

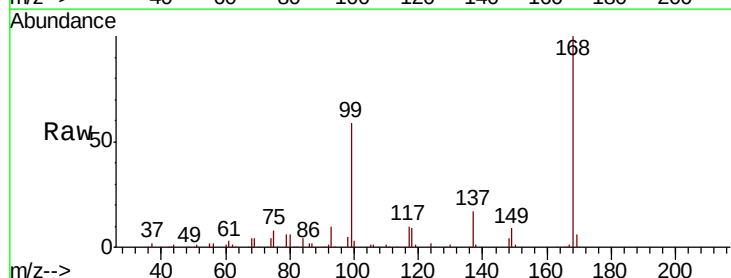
Tgt Ion: 117 Resp: 12883

Ion Ratio Lower Upper

117 100

119 5.9 74.3 111.5#

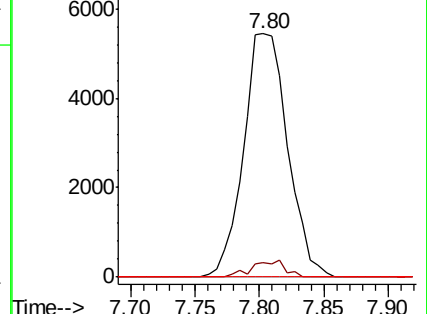
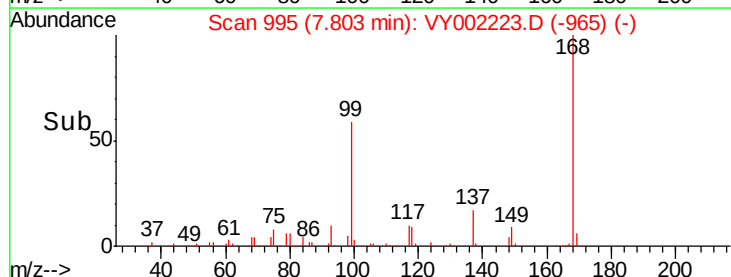
121 0.0 23.3 34.9#

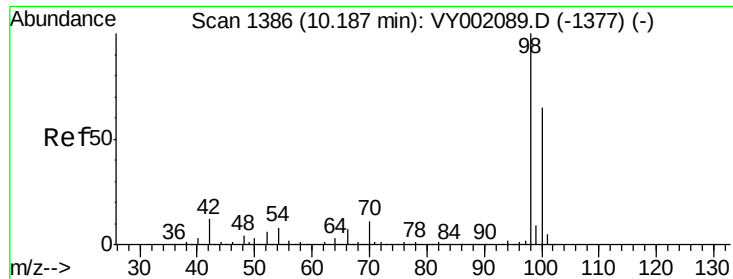


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.975 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

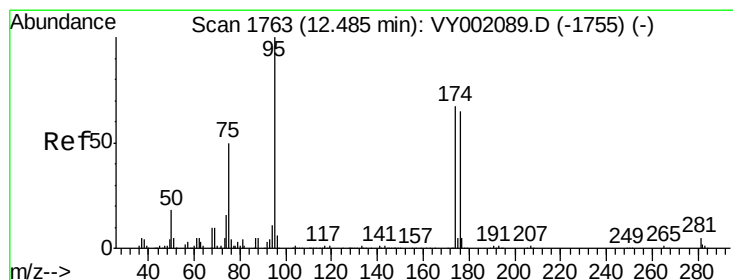
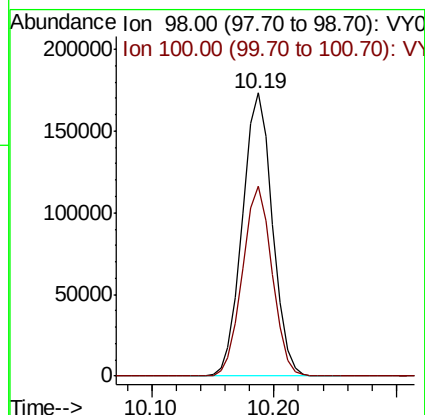
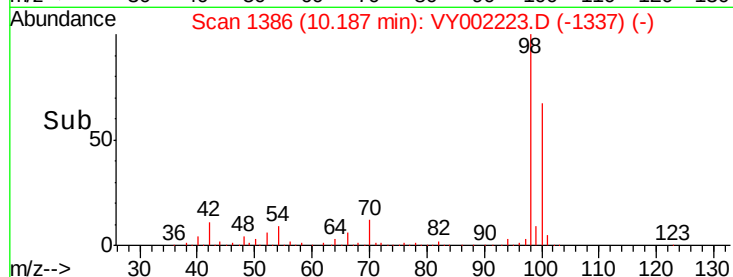
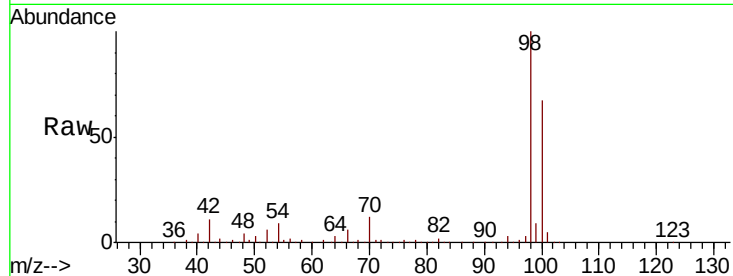
RBR-2520699

Tot Ion: 98 Resp: 294549

Ion Ratio Lower Upper

98 100

100 66.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.431 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

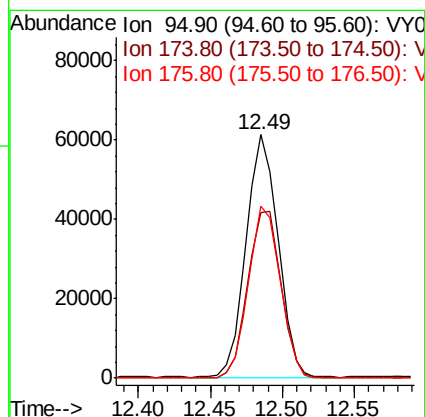
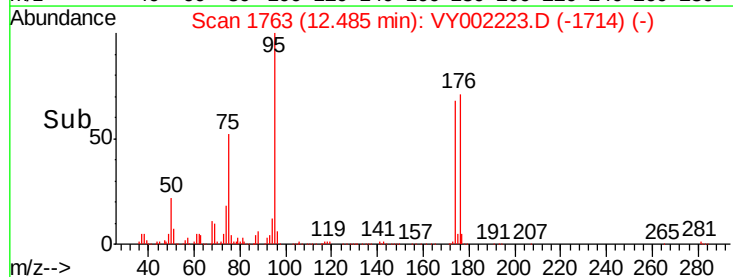
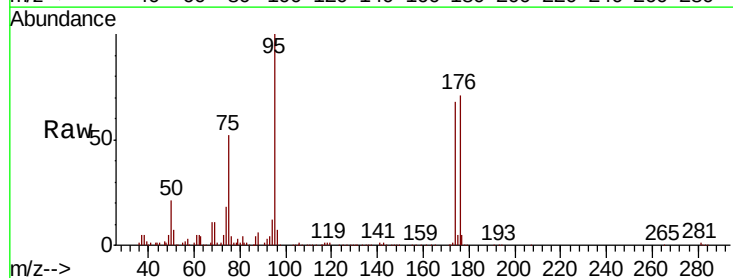
Tgt Ion: 95 Resp: 94009

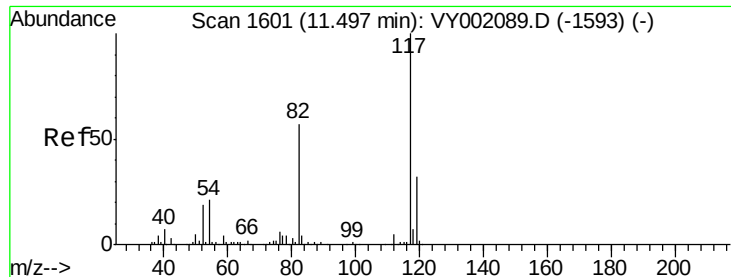
Ion Ratio Lower Upper

95 100

174 71.7 0.0 143.4

176 70.5 0.0 137.0

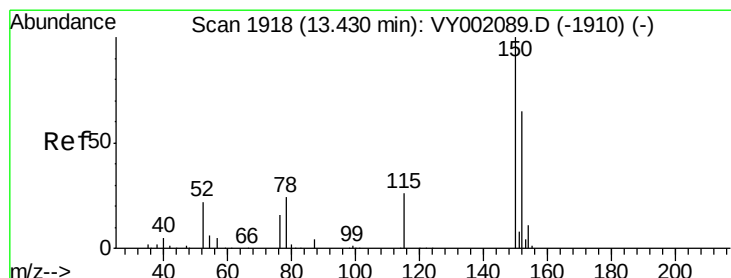
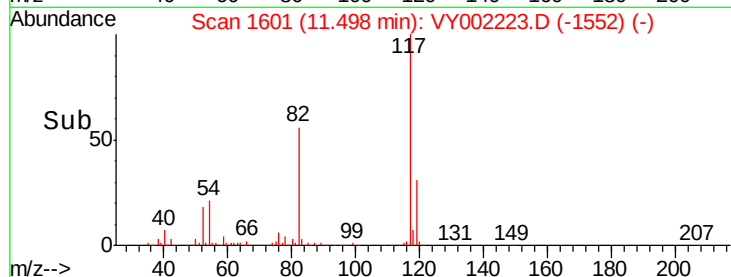
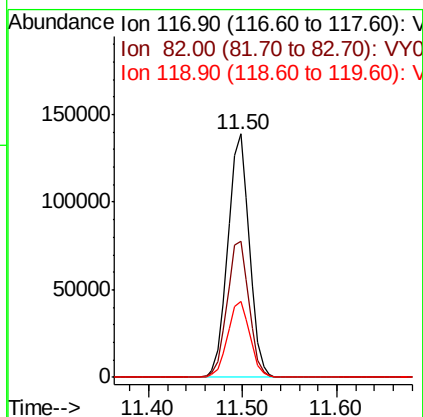
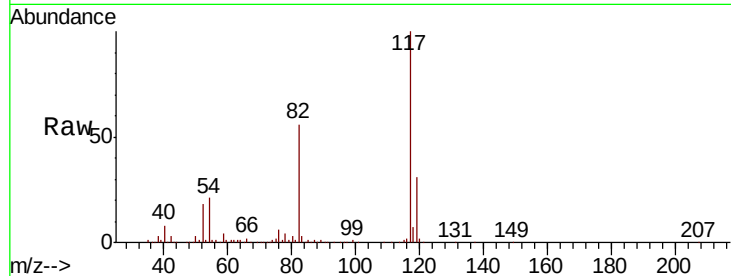




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY002223.D
Acq: 03 Apr 2020 17:03

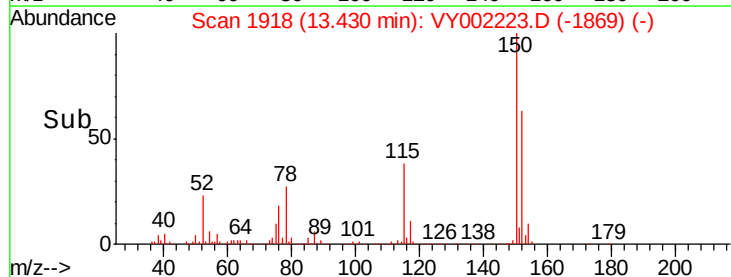
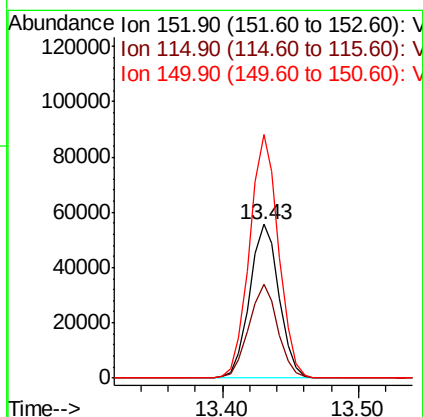
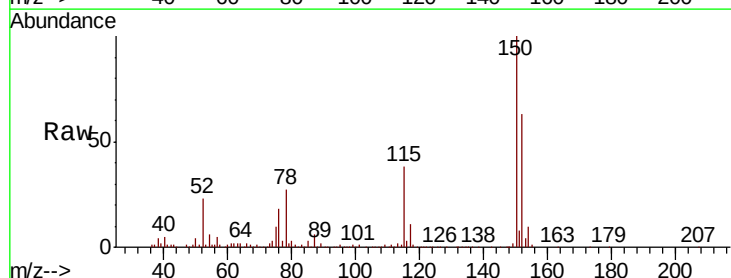
Instrument :
MSVOA_Y
ClientSampleId :
RBR-2520699

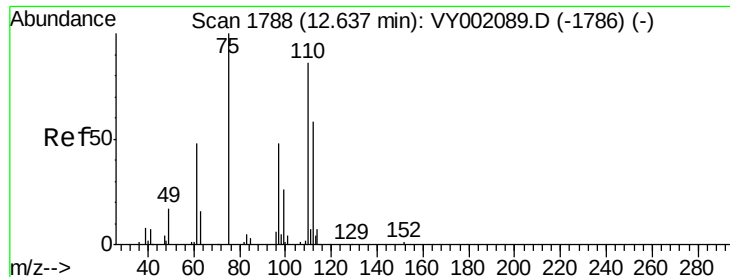
Tot Ion:117 Resp: 219192
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 31.3 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002223.D
Acq: 03 Apr 2020 17:03

Tgt Ion:152 Resp: 84471
Ion Ratio Lower Upper
152 100
115 60.5 31.2 93.6
150 155.7 0.0 354.8





#76

1,2,3-Trichloropropane

Concen: 51.495 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

Instrument :

MSVOA_Y

ClientSampleId :

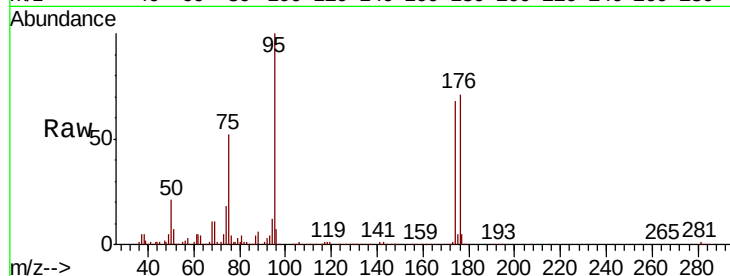
RBR-2520699

Tot Ion: 75 Resp: 48657

Ion Ratio Lower Upper

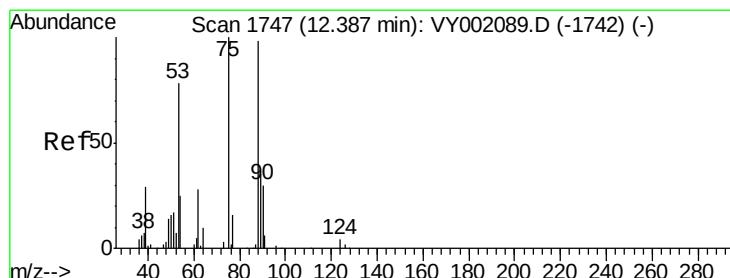
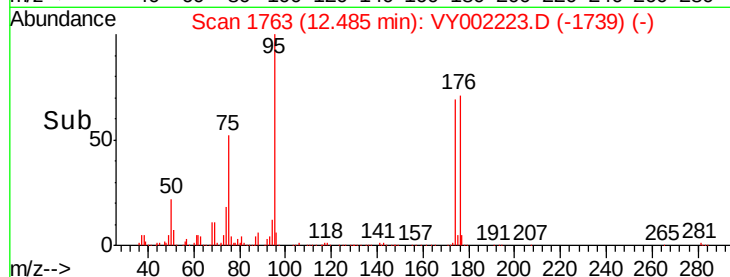
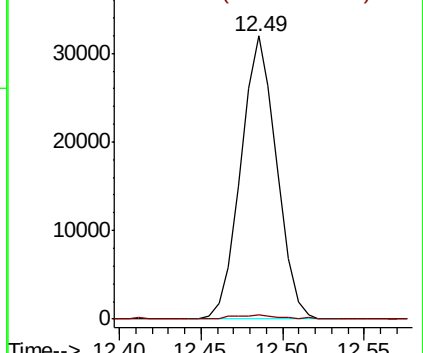
75 100

77 2.1 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: 99.764 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002223.D

Acq: 03 Apr 2020 17:03

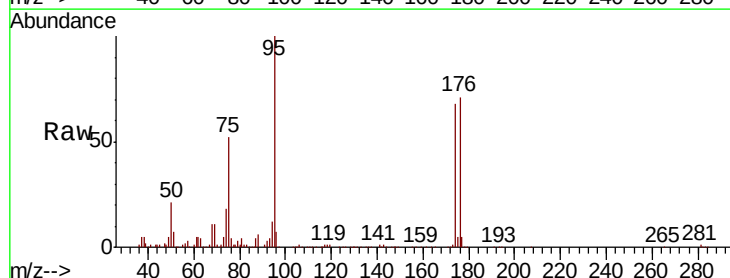
Tgt Ion: 75 Resp: 48657

Ion Ratio Lower Upper

75 100

53 0.3 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

