

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY011720\
 Data File : VY001272.D
 Acq On : 17 Jan 2020 17:55
 Operator : SY/MD
 Sample : L1155-04
 Misc : 8.56G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200052

Quant Time: Jan 18 03:25:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	167723	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.71	114	301616	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.50	117	267136	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	113476	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	91061	51.40	ug/l	0.02
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	7.74	113	87744	49.69	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.19	98	349939	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.49	95	121317	43.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.22%	

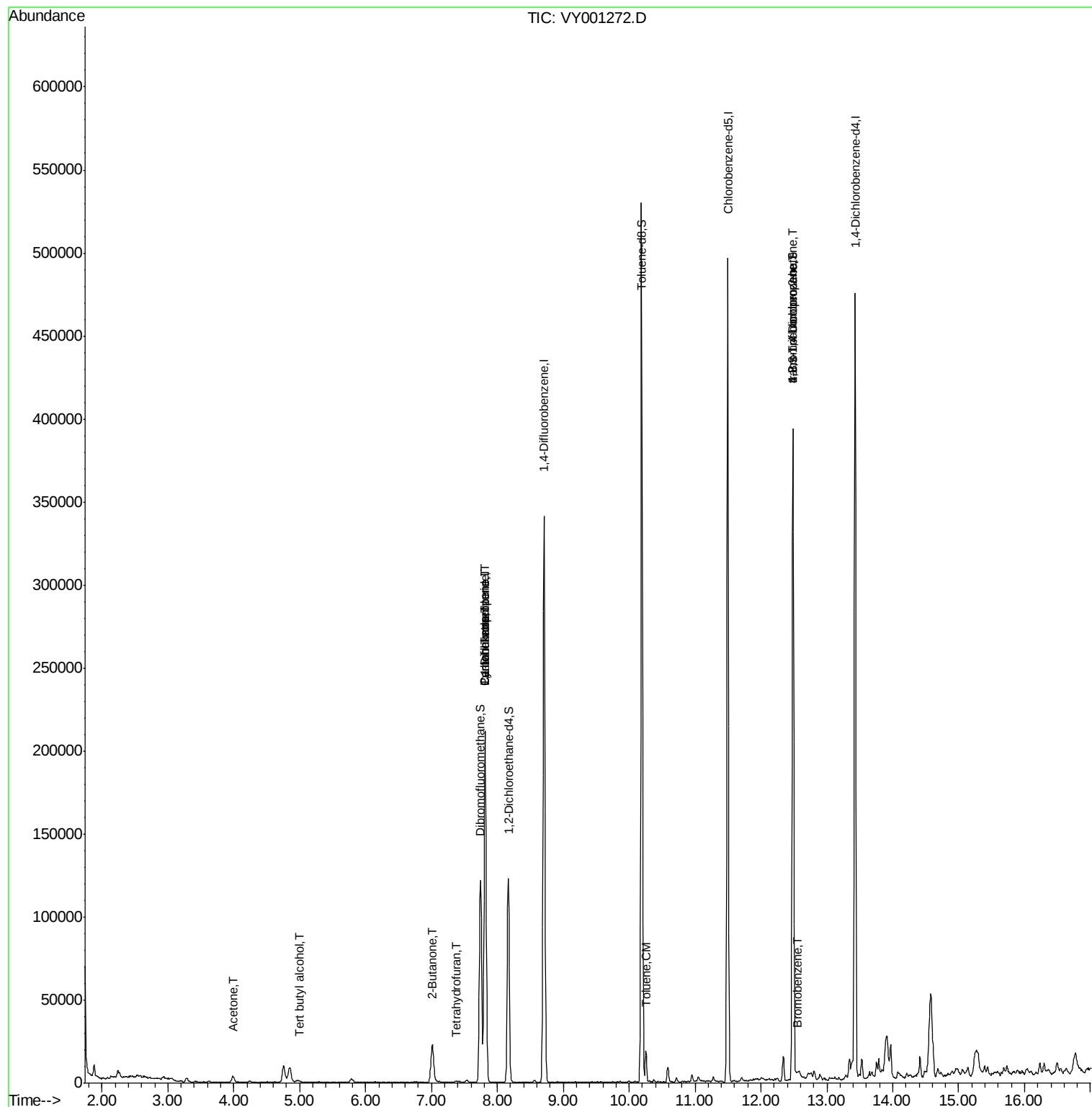
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.99	59	1724	9.67	ug/l #	81
16) Acetone	3.99	43	6662	16.19	ug/l	92
20) Methylene Chloride	4.75	84	7192	Below Cal		94
25) 2-Butanone	7.02	43	1891	2.95	ug/l #	85
29) Tetrahydrofuran	7.38	42	548	1.25	ug/l #	50
31) Cyclohexane	7.81	56	3582	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	13059	4.75	ug/l #	48
38) Carbon Tetrachloride	7.82	117	15913	6.32	ug/l #	15
52) Toluene	10.25	92	7991	1.56	ug/l	93
76) 1,2,3-Trichloropropane	12.49	75	60292	49.63	ug/l #	100
77) Bromobenzene	12.55	156	4243	2.25	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.49	75	60292	84.17	ug/l #	6

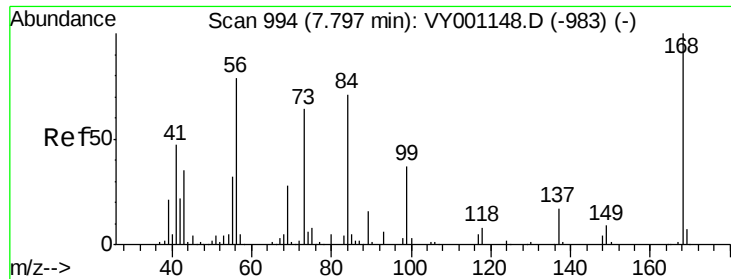
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.02 min

Lab File: VY001272.D

Acq: 17 Jan 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

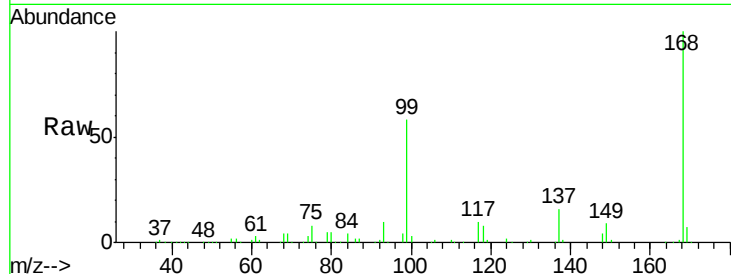
RBR-200052

Tgt Ion:168 Resp: 167723

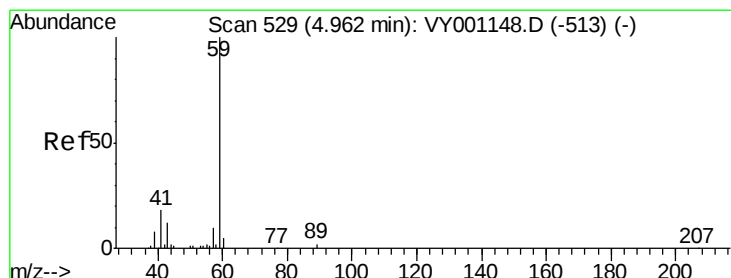
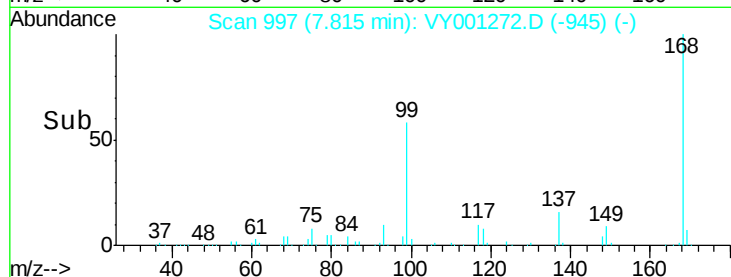
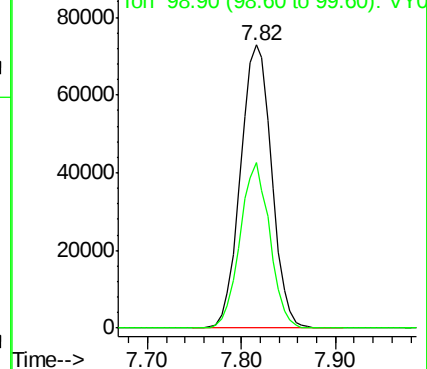
Ion Ratio Lower Upper

168 100

99 58.5 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)



#11

Tert butyl alcohol

Concen: 9.67 ug/l

RT: 4.99 min Scan# 534

Delta R.T. 0.03 min

Lab File: VY001272.D

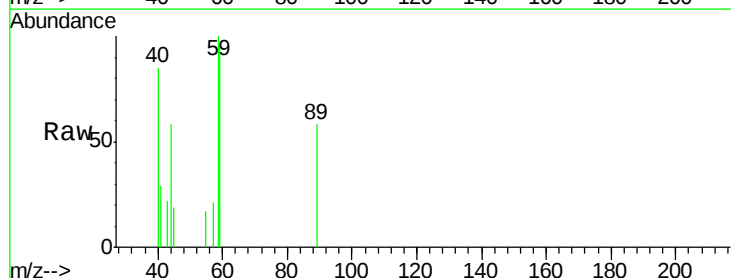
Acq: 17 Jan 2020 17:55

Tgt Ion: 59 Resp: 1724

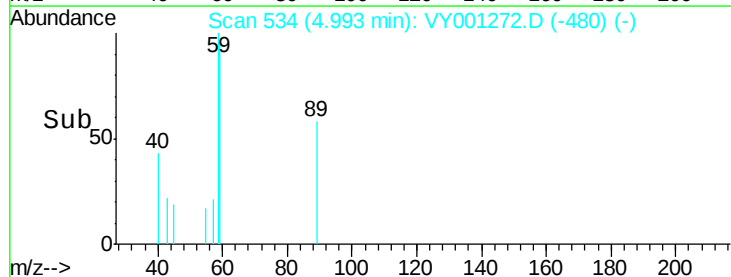
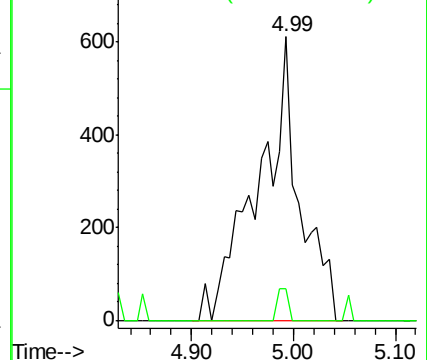
Ion Ratio Lower Upper

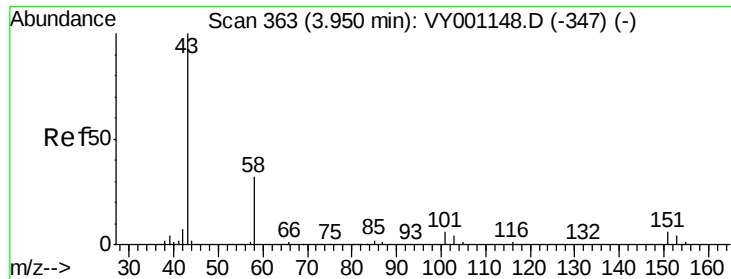
59 100

57 2.9 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VY001148.D (-513) (-)





#16

Acetone

Concen: 16.19 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.04 min

Lab File: VY001272.D

Acq: 17 Jan 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

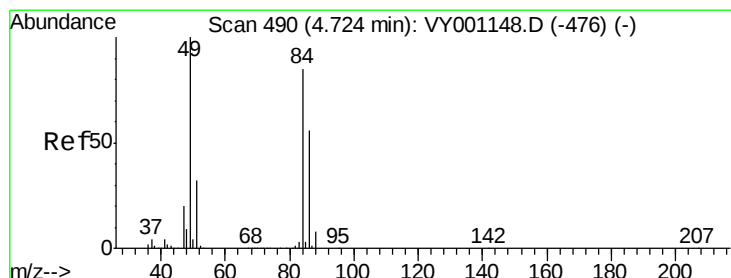
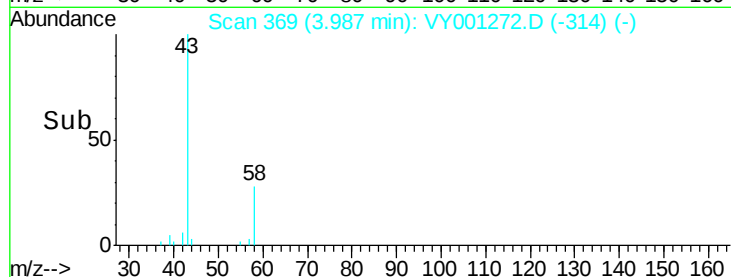
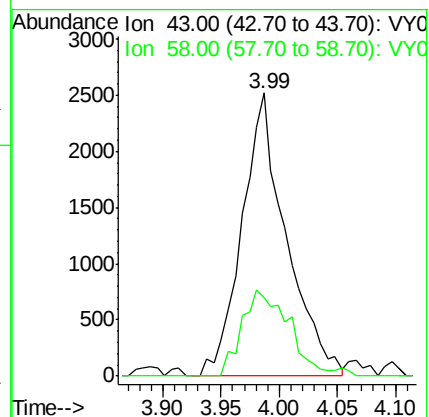
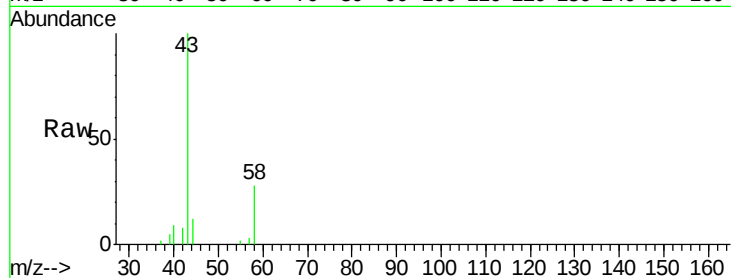
RBR-200052

Tgt Ion: 43 Resp: 6662

Ion Ratio Lower Upper

43 100

58 27.7 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.75 min Scan# 495

Delta R.T. 0.03 min

Lab File: VY001272.D

Acq: 17 Jan 2020 17:55

Tgt Ion: 84 Resp: 7192

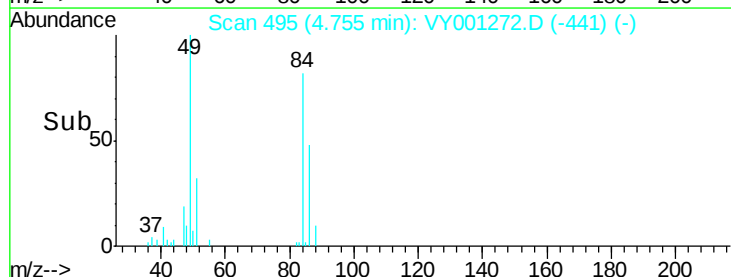
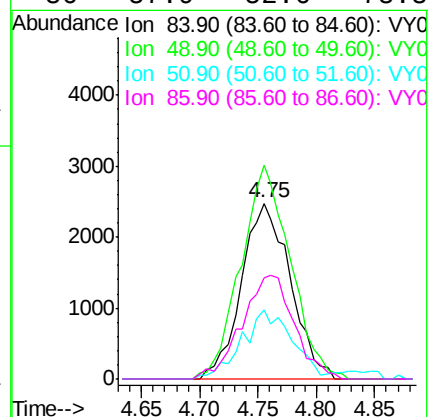
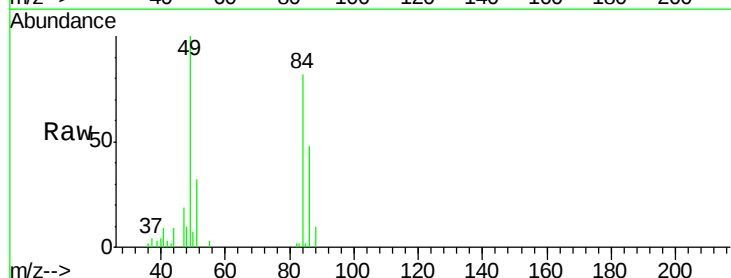
Ion Ratio Lower Upper

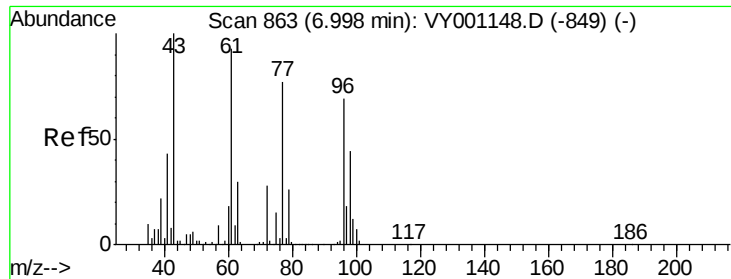
84 100

49 121.7 93.8 140.6

51 39.3 29.9 44.9

86 57.9 52.6 78.8

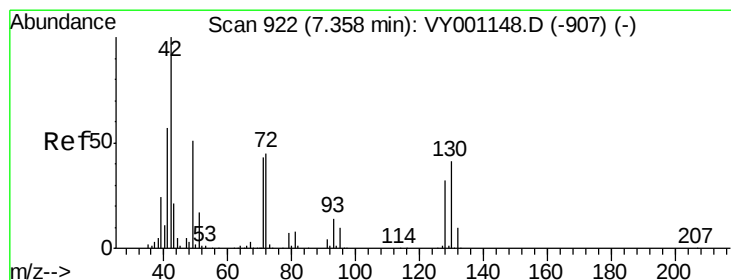
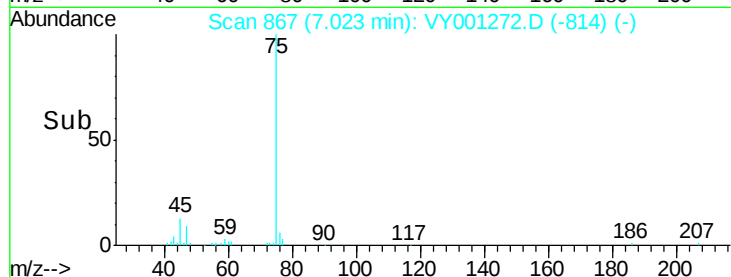
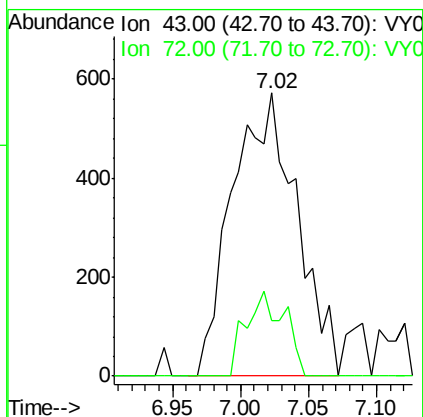
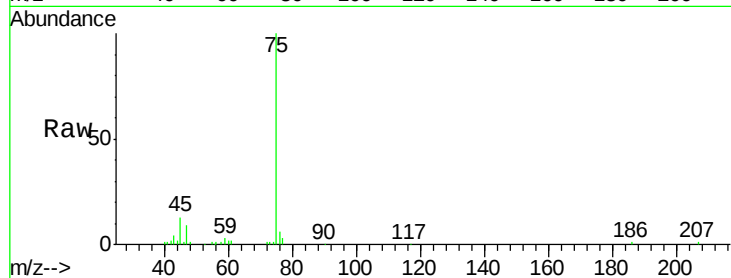




#25
2-Butanone
Concen: 2.95 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.02 min
Lab File: VY001272.D
Acq: 17 Jan 2020 17:55

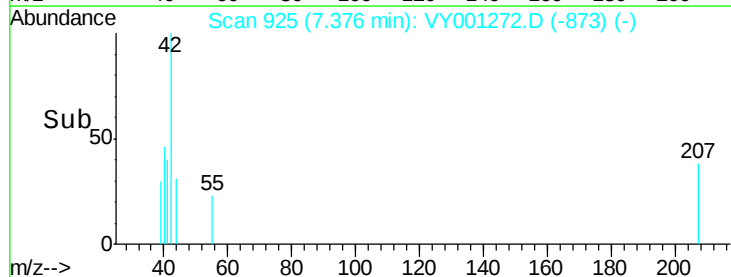
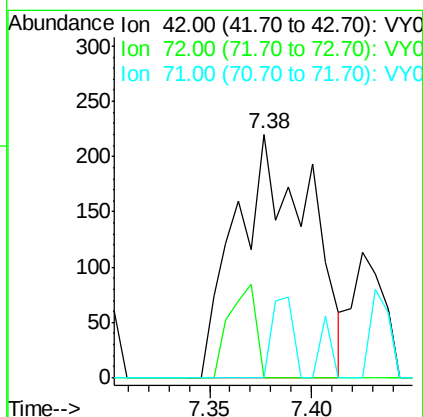
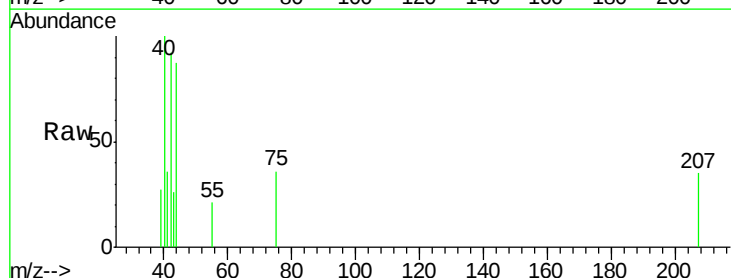
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200052

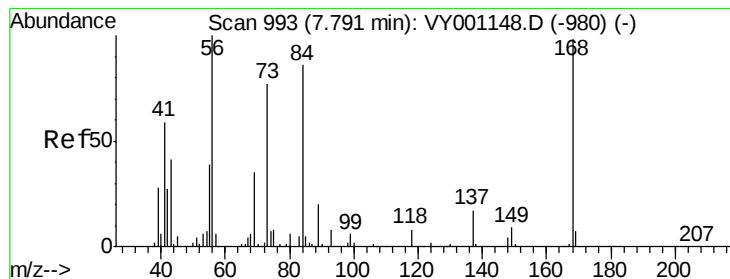
Tgt Ion: 43 Resp: 1891
Ion Ratio Lower Upper
43 100
72 19.8 22.2 33.2#



#29
Tetrahydrofuran
Concen: 1.25 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.02 min
Lab File: VY001272.D
Acq: 17 Jan 2020 17:55

Tgt Ion: 42 Resp: 548
Ion Ratio Lower Upper
42 100
72 13.7 36.9 55.3#
71 9.5 34.0 51.0#





#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.02 min

Lab File: VY001272.D

Acq: 17 Jan 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200052

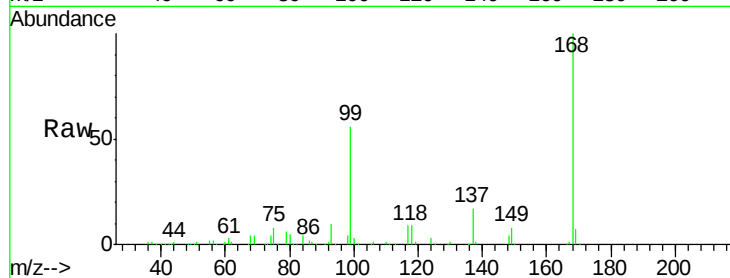
Tgt Ion: 56 Resp: 3582

Ion Ratio Lower Upper

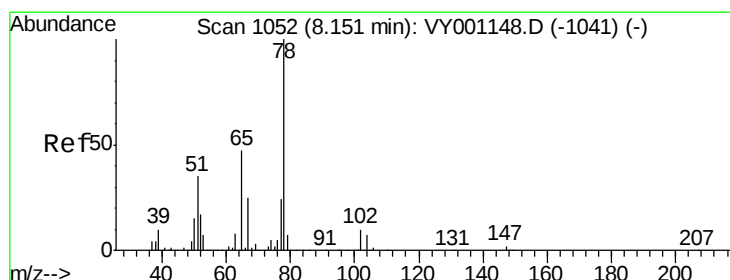
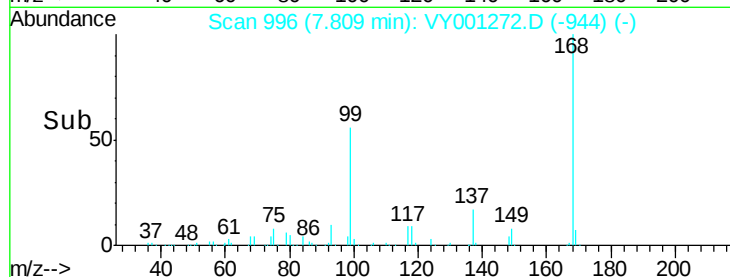
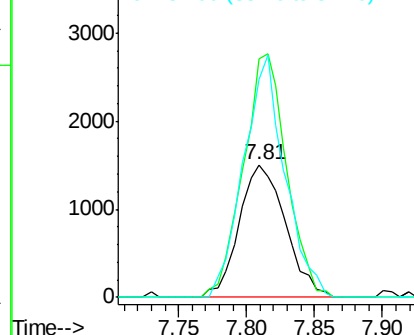
56 100

69 179.8 27.8 41.8#

84 163.9 68.9 103.3#



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: 51.40 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.02 min

Lab File: VY001272.D

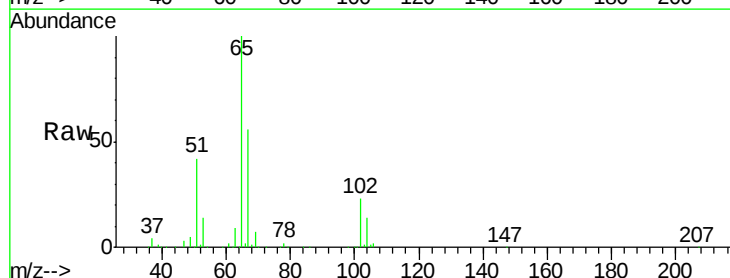
Acq: 17 Jan 2020 17:55

Tgt Ion: 65 Resp: 91061

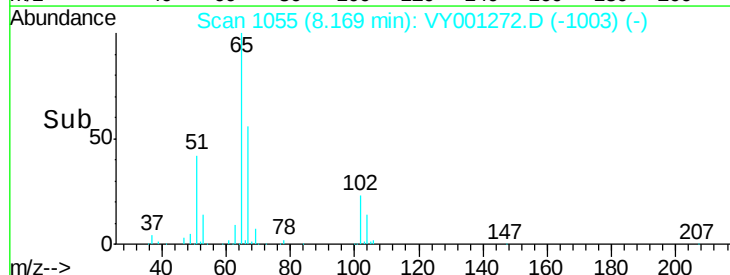
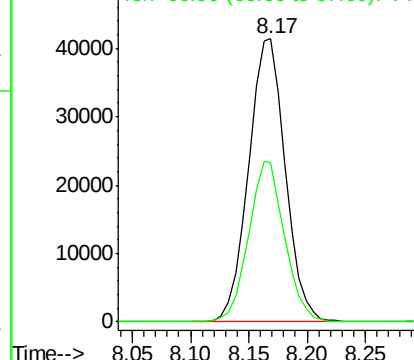
Ion Ratio Lower Upper

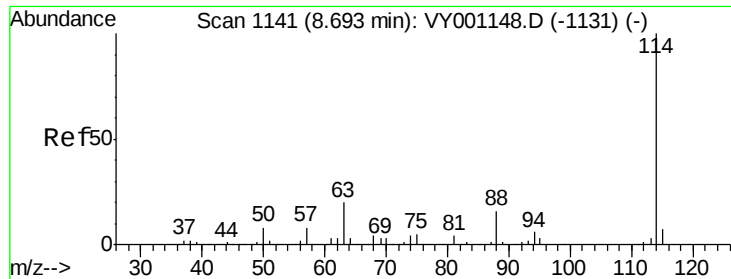
65 100

67 55.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

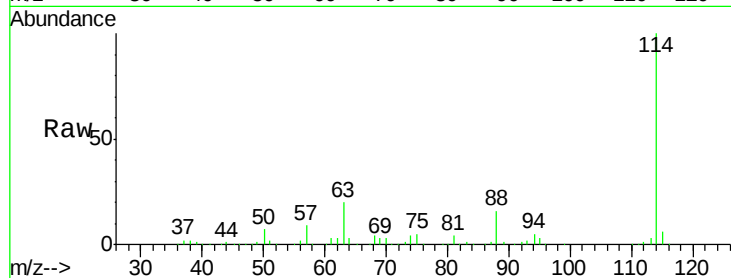




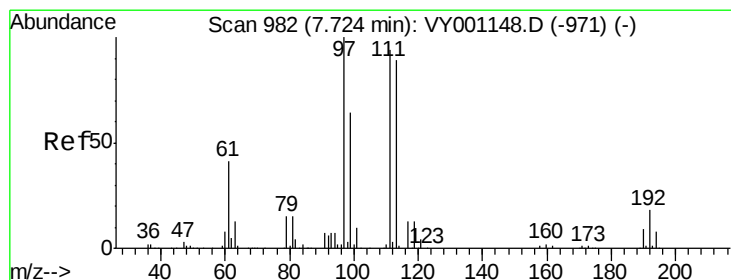
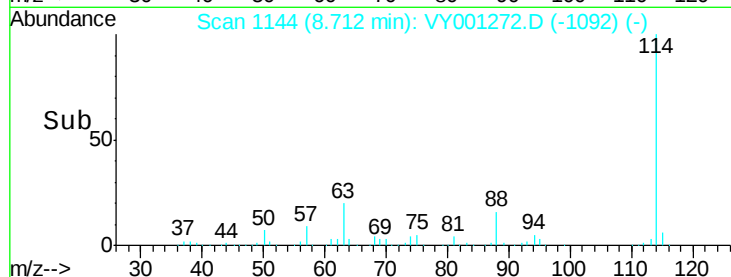
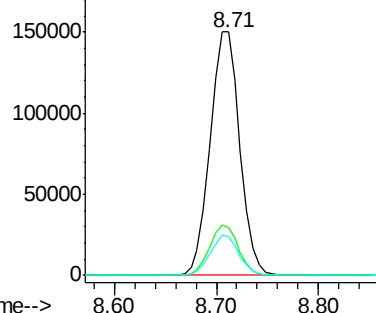
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.02 min
 Lab File: VY001272.D
 Acq: 17 Jan 2020 17:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR-200052

Tgt Ion:114 Resp: 301616
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.8
 88 15.8 0.0 32.4

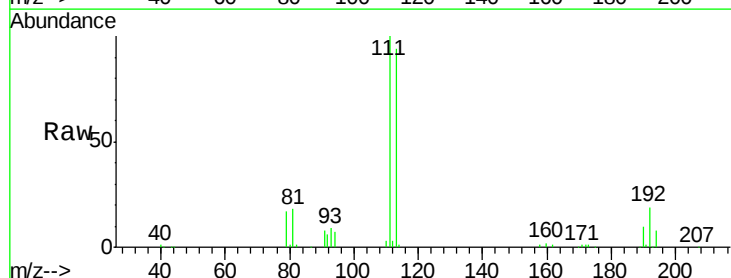


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

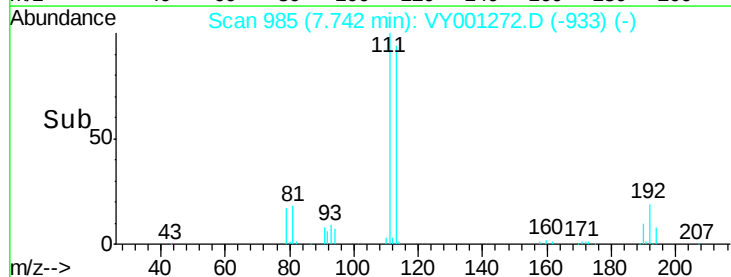
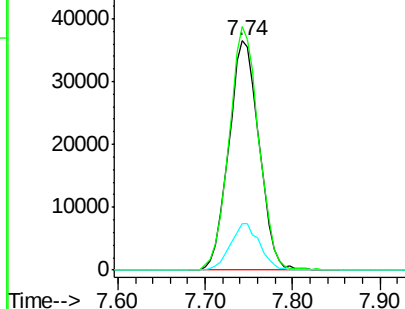


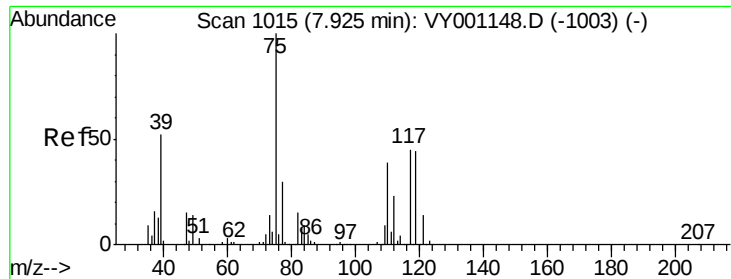
#35
 Dibromofluoromethane
 Concen: 49.69 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.02 min
 Lab File: VY001272.D
 Acq: 17 Jan 2020 17:55

Tgt Ion:113 Resp: 87744
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.9 124.3
 192 19.5 15.4 23.2



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

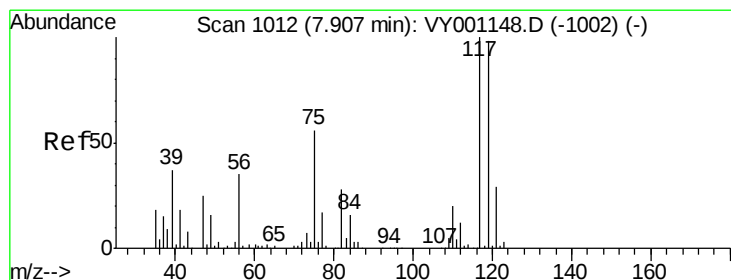
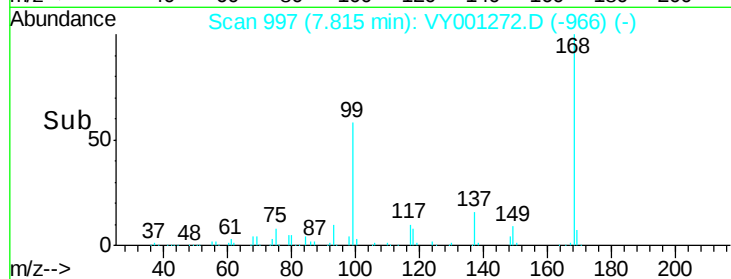
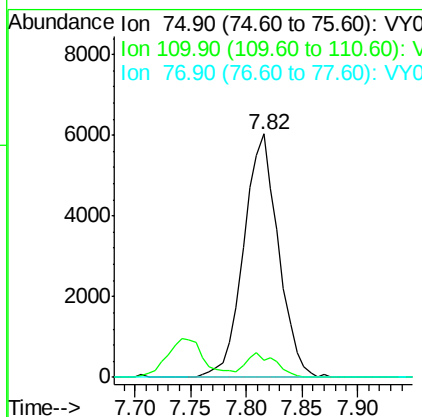
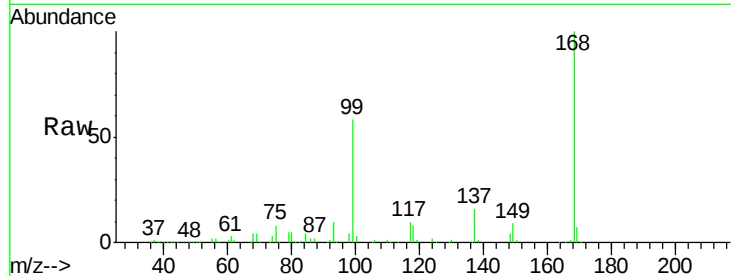




#36
 1,1-Dichloropropene
 Concen: 4.75 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001272.D
 Acq: 17 Jan 2020 17:55

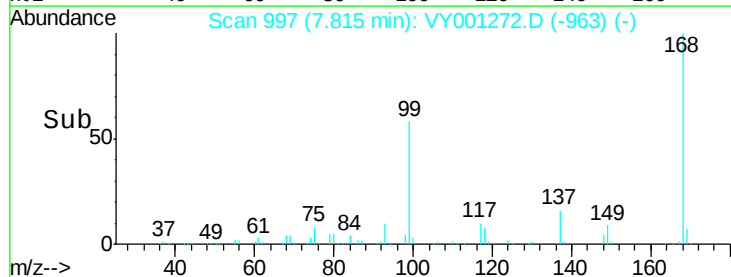
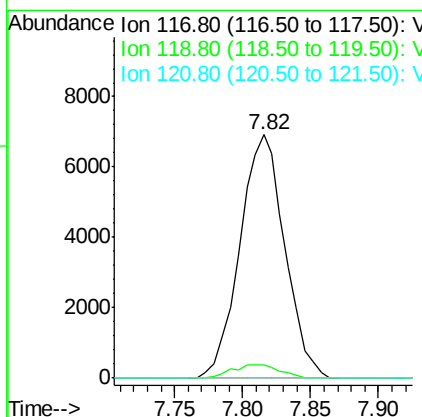
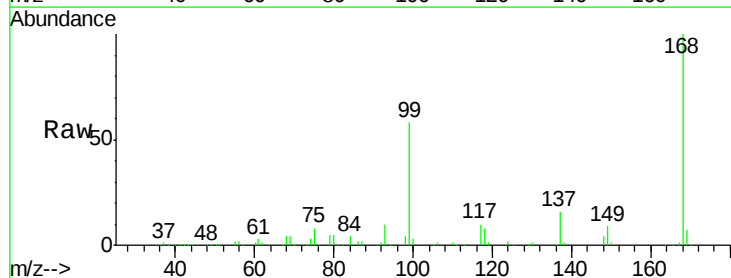
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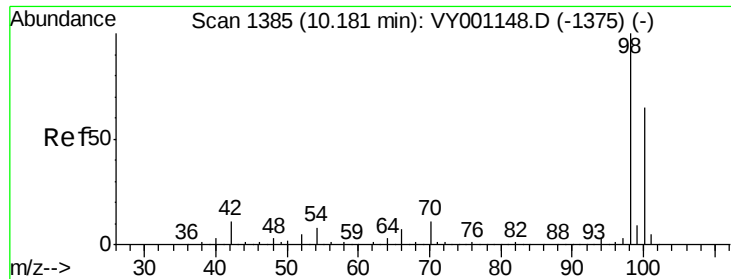
Tgt Ion: 75 Resp: 13059
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.3 54.8#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.32 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.09 min
 Lab File: VY001272.D
 Acq: 17 Jan 2020 17:55

Tgt Ion: 117 Resp: 15913
 Ion Ratio Lower Upper
 117 100
 119 5.6 78.3 117.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 51.43 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY001272.D

Acq: 17 Jan 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

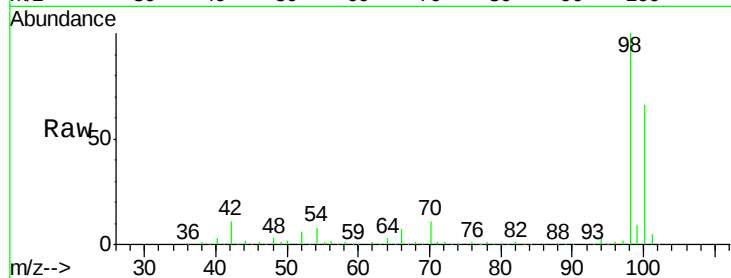
RBR-200052

Tgt Ion: 98 Resp: 349939

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY001148.D (-1375) (-)

Ion 100.00 (99.70 to 100.70): VY001148.D (-1375) (-)

10.19

200000

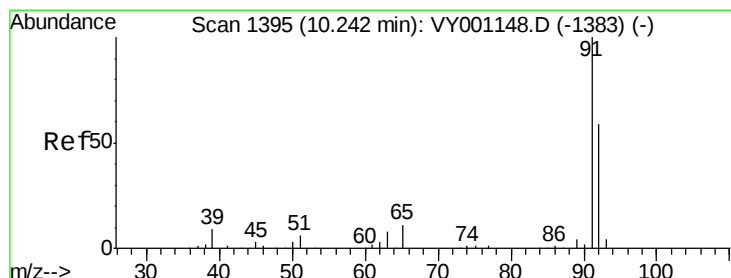
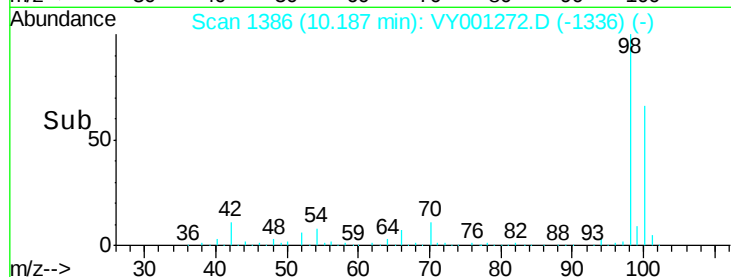
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 1.56 ug/l

RT: 10.25 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VY001272.D

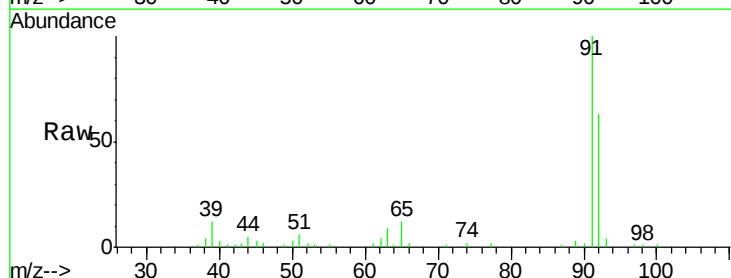
Acq: 17 Jan 2020 17:55

Tgt Ion: 92 Resp: 7991

Ion Ratio Lower Upper

92 100

91 160.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001148.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001148.D (-1383) (-)

10.25

8000

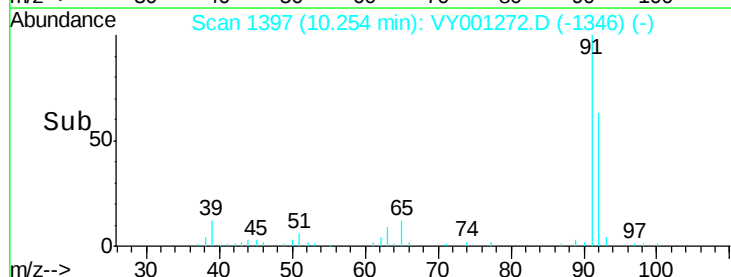
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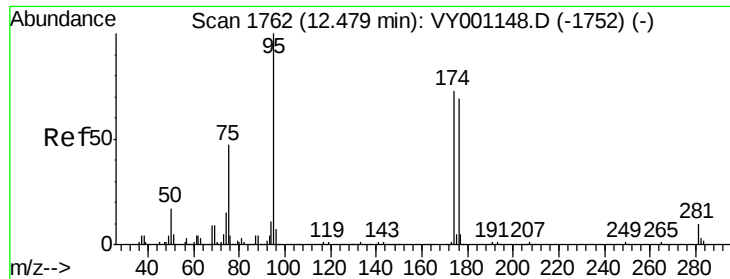
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2000

0

Time-->

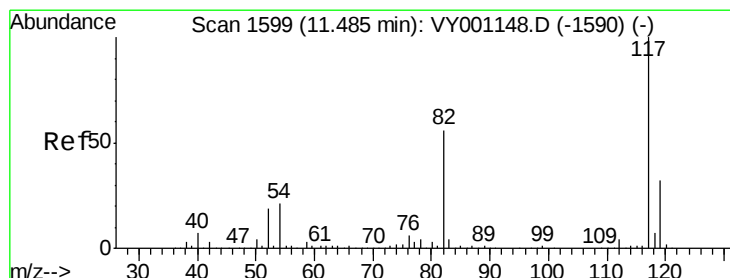
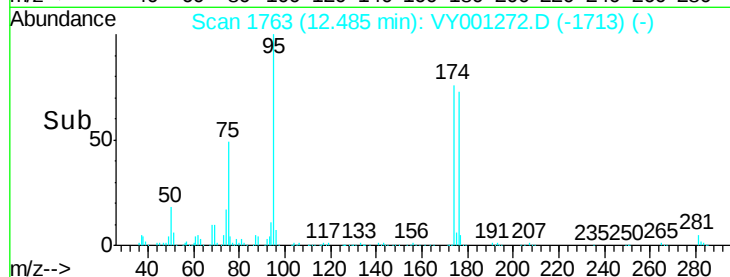
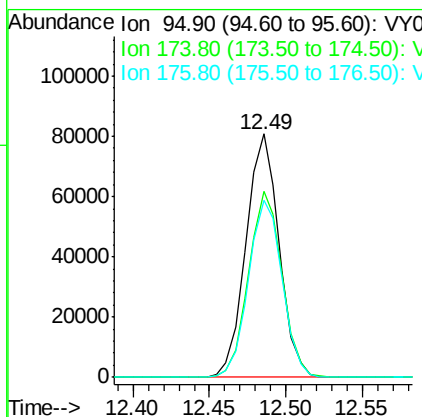
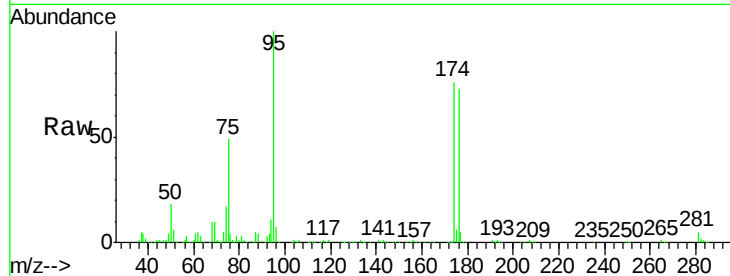




#62
4-Bromofluorobenzene
Concen: 43.61 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.01 min
Lab File: VY001272.D
Acq: 17 Jan 2020 17:55

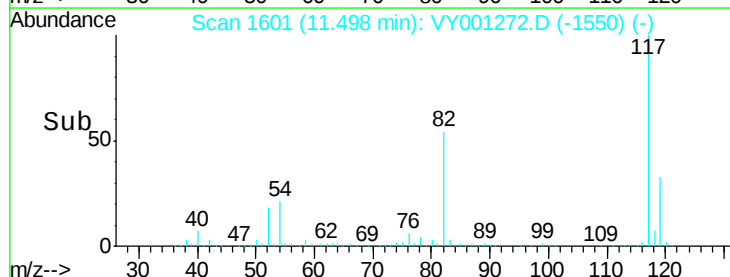
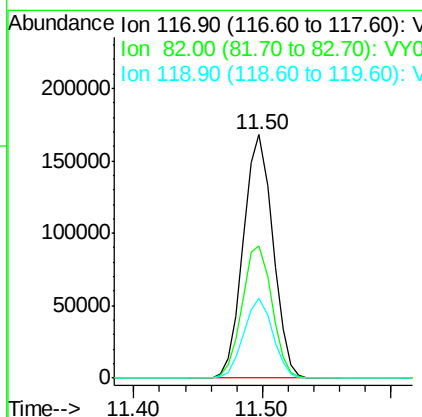
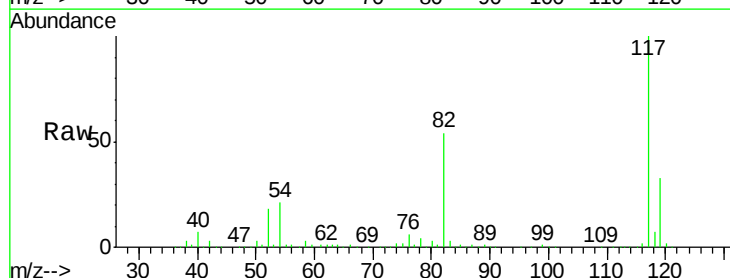
Instrument :
MSVOA_Y
ClientSampleId :
RBR-200052

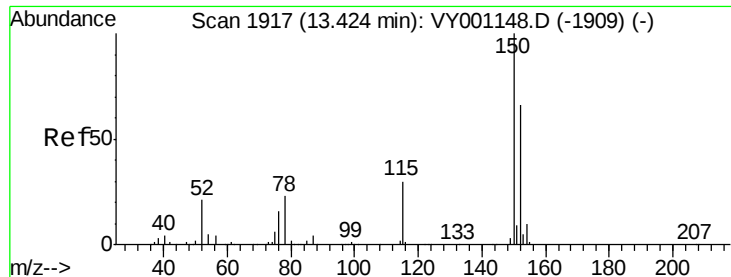
Tgt Ion: 95 Resp: 121317
Ion Ratio Lower Upper
95 100
174 77.3 0.0 143.2
176 74.1 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VY001272.D
Acq: 17 Jan 2020 17:55

Tgt Ion: 117 Resp: 267136
Ion Ratio Lower Upper
117 100
82 54.2 44.9 67.3
119 32.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VY001272.D

Acq: 17 Jan 2020 17:55

Instrument :

MSVOA_Y

ClientSampleId :

RBR-200052

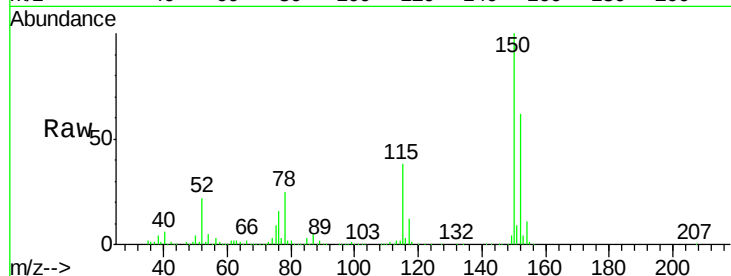
Tgt Ion:152 Resp: 113476

Ion Ratio Lower Upper

152 100

115 60.0 30.9 92.5

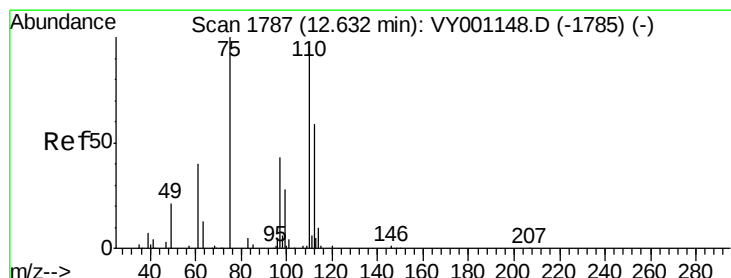
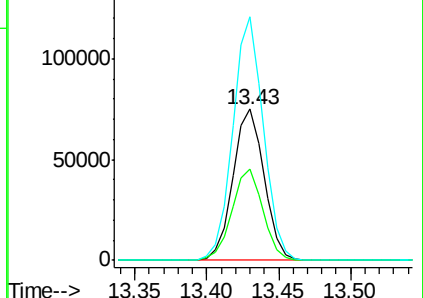
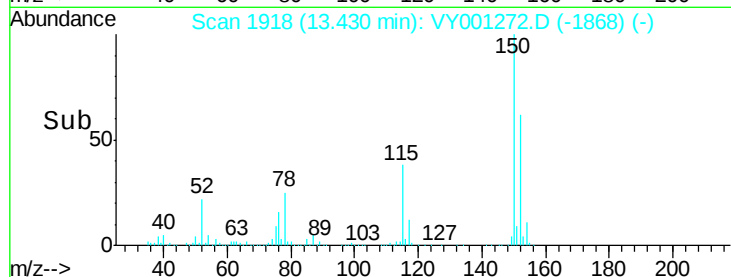
150 156.8 0.0 346.8



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: 49.63 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.15 min

Lab File: VY001272.D

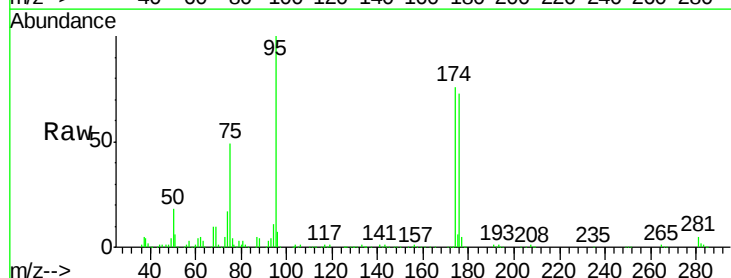
Acq: 17 Jan 2020 17:55

Tgt Ion: 75 Resp: 60292

Ion Ratio Lower Upper

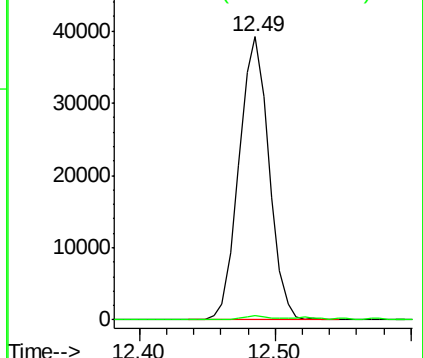
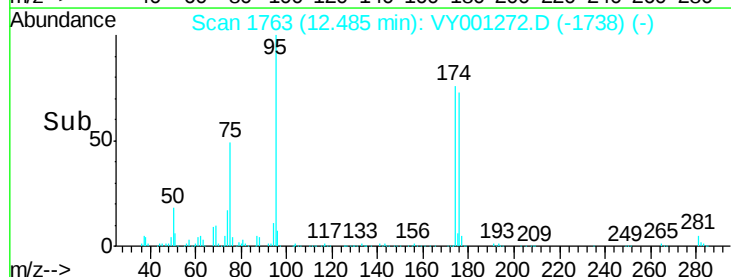
75 100

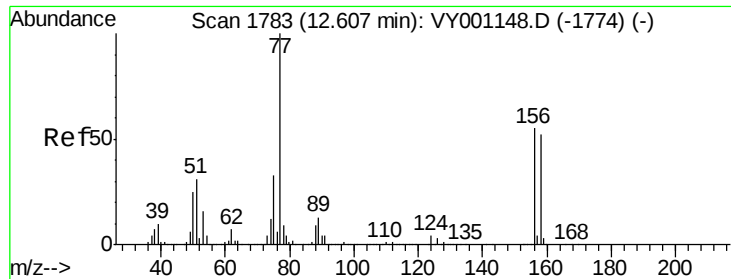
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

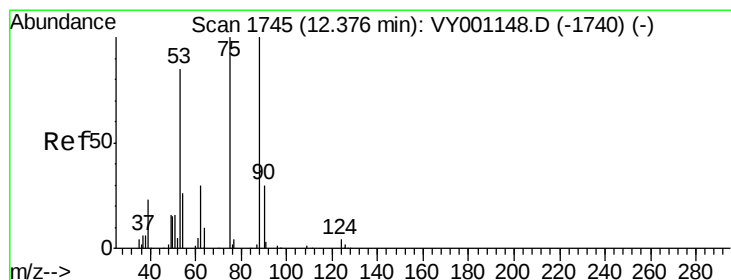
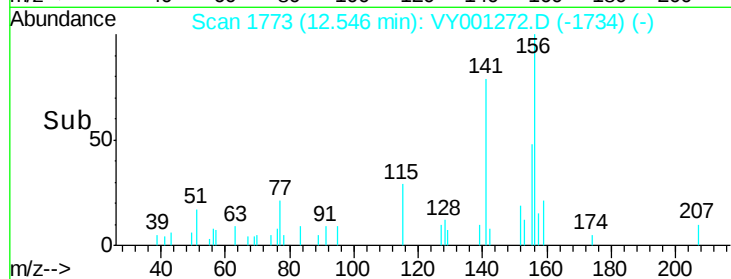
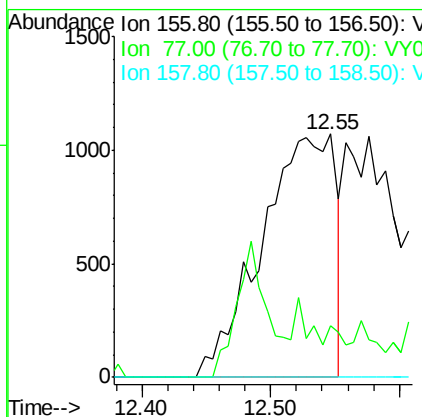
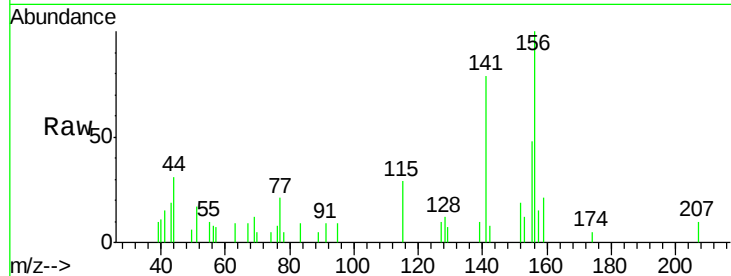




#77
Bromobenzene
Concen: 2.25 ug/l
RT: 12.55 min Scan# 1773
Delta R.T. -0.06 min
Lab File: VY001272.D
Acq: 17 Jan 2020 17:55

Instrument :
MSVOA_Y
ClientSampled :
RBR-200052

Tgt Ion: 156 Resp: 4243
Ion Ratio Lower Upper
156 100
77 0.0 106.7 320.1#
158 0.0 48.3 144.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.17 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.11 min
Lab File: VY001272.D
Acq: 17 Jan 2020 17:55

Tgt Ion: 75 Resp: 60292
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.2#
89 0.1 0.0 0.0#

