

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060520\
 Data File : VY002852.D
 Acq On : 05 Jun 2020 16:37
 Operator : SY/MD
 Sample : L2887-01
 Misc : 7.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-25606

Quant Time: Jun 06 07:58:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	284483	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	456135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	407112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177680	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	131925	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	7.72	113	137125	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
50) Toluene-d8	10.18	98	531381	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	12.48	95	169603	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	

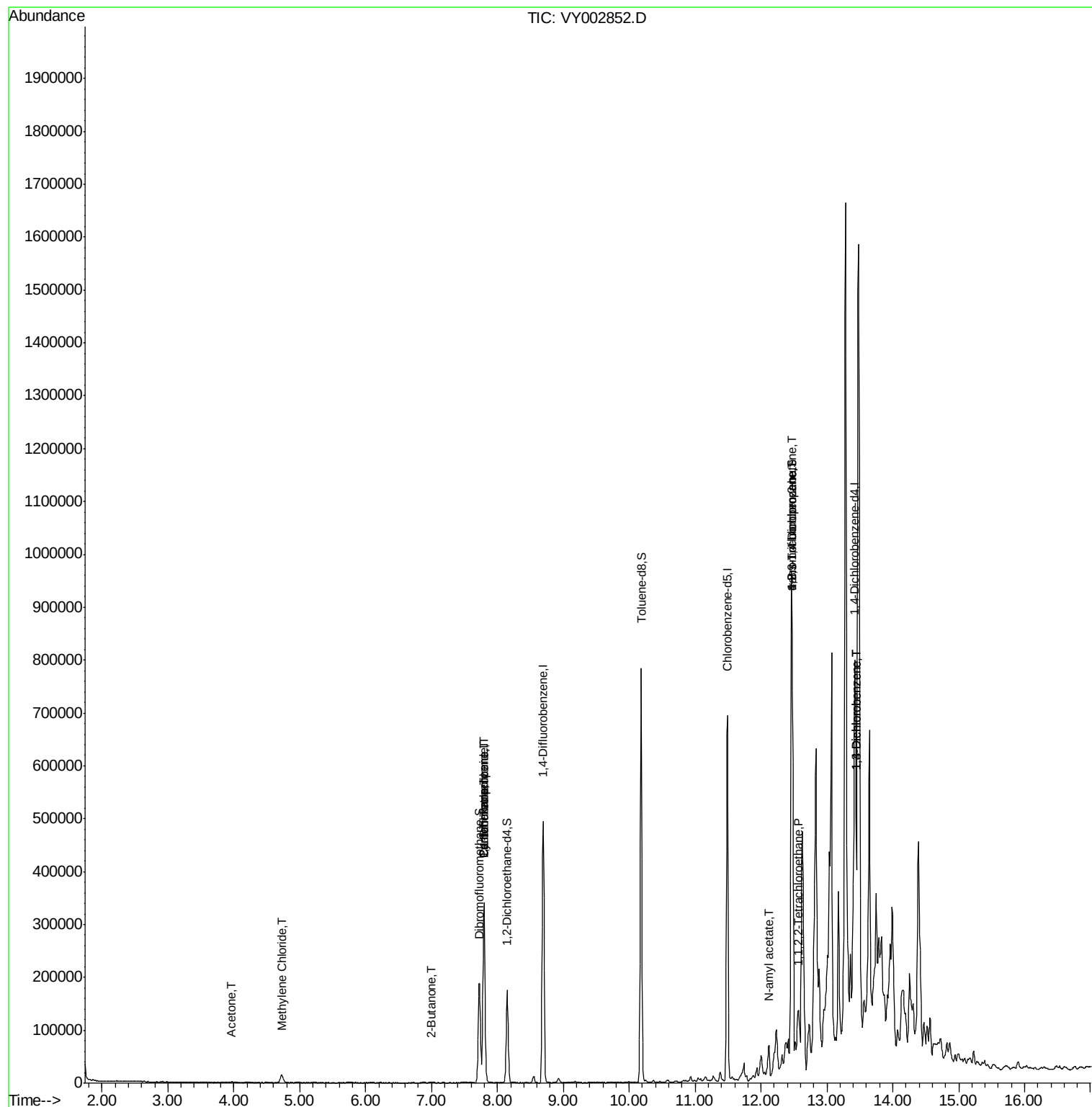
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	1041	Below Cal	#	74
16) Acetone	3.96	43	3294	5.687	ug/l #	75
18) Methyl Acetate	4.49	43	793	Below Cal	#	67
20) Methylene Chloride	4.72	84	11679	4.126	ug/l	98
25) 2-Butanone	7.00	43	1031	1.143	ug/l	98
31) Cyclohexane	7.80	56	4534	1.082	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17626	4.587	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24193	5.668	ug/l #	15
74) N-amyl acetate	12.12	43	14025	4.801	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.56	83	3445	1.724	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	79246	49.497	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	79246	93.253	ug/l #	17
87) 1,3-Dichlorobenzene	13.45	146	66527	11.846	ug/l	92
88) 1,4-Dichlorobenzene	13.45	146	66527	11.842	ug/l	90

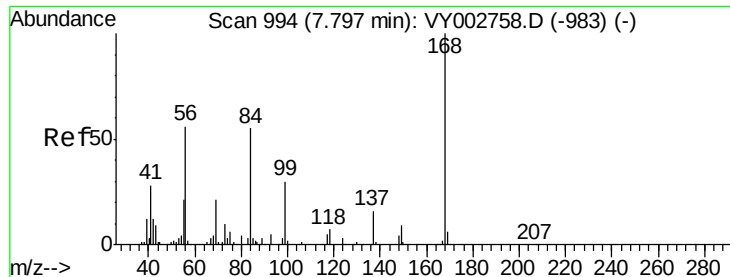
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

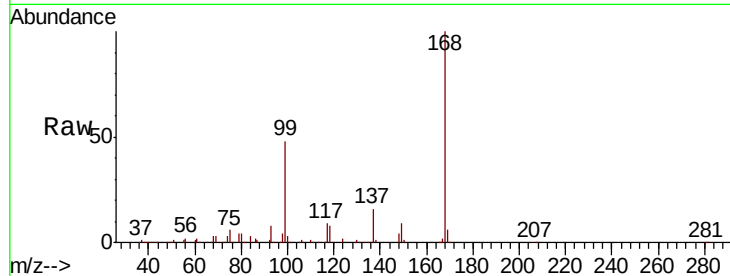
CHRT-25606

Tot Ion:168 Resp: 284483

Ion Ratio Lower Upper

168 100

99 47.9 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

150000

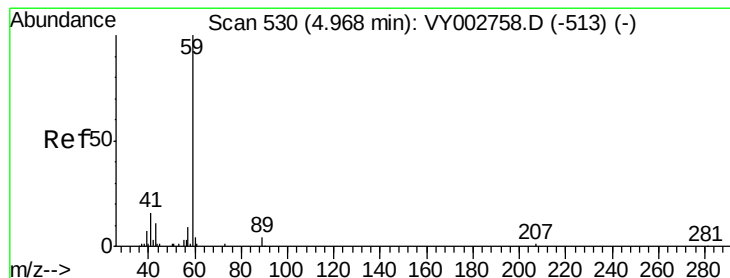
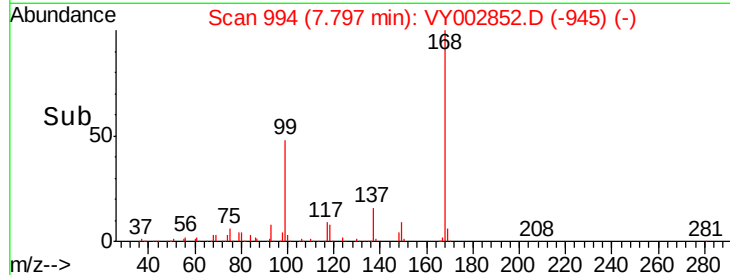
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY002852.D

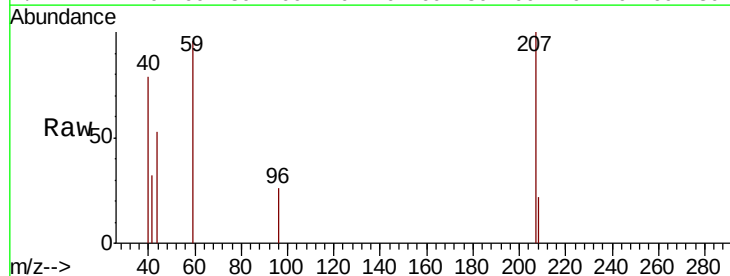
Acq: 05 Jun 2020 16:37

Tgt Ion: 59 Resp: 1041

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)

4.97

300

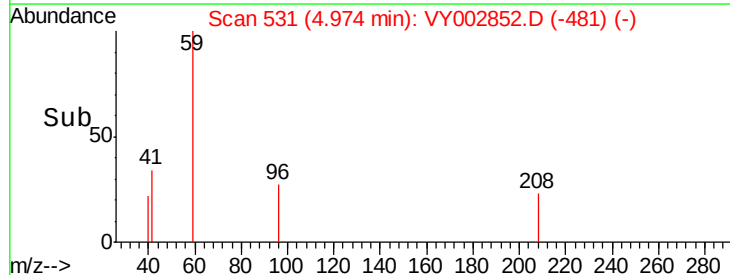
200

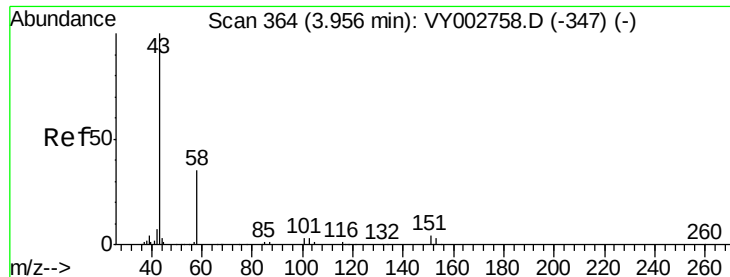
100

0

4.85 4.90 4.95 5.00 5.05

Time-->





#16

Acetone

Concen: 5.687 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

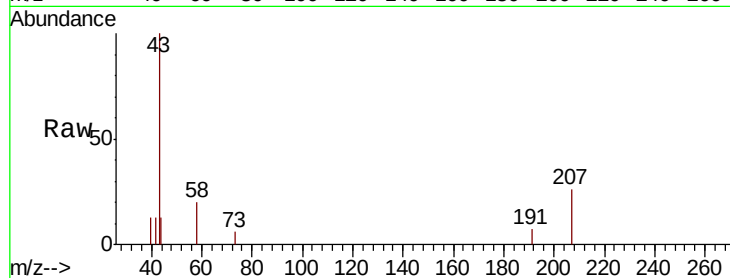
CHRT-25606

Tot Ion: 43 Resp: 3294

Ion Ratio Lower Upper

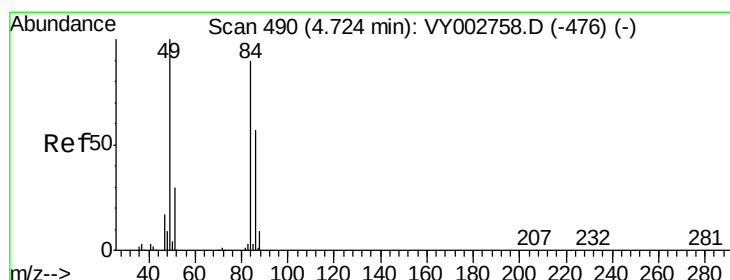
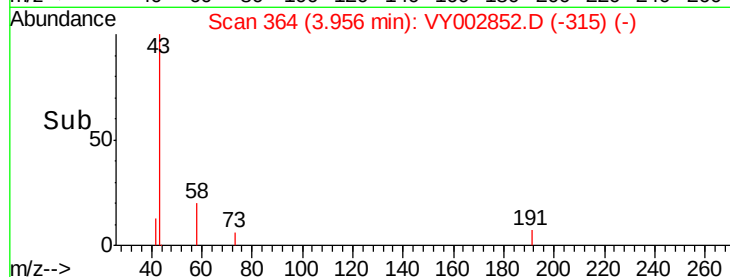
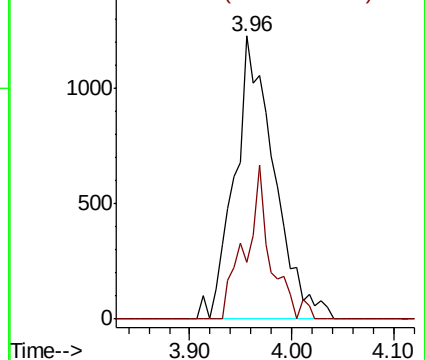
43 100

58 19.9 27.7 41.5#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 4.126 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Tgt Ion: 84 Resp: 11679

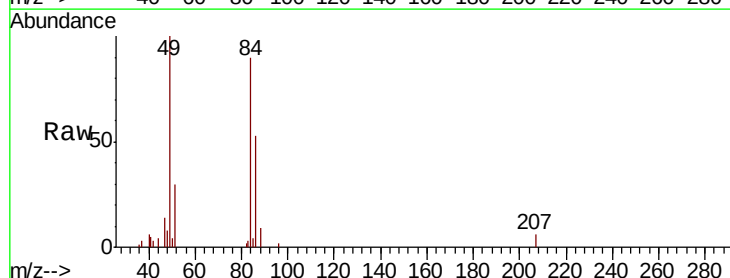
Ion Ratio Lower Upper

84 100

49 111.3 88.5 132.7

51 33.7 26.8 40.2

86 58.8 50.6 75.8

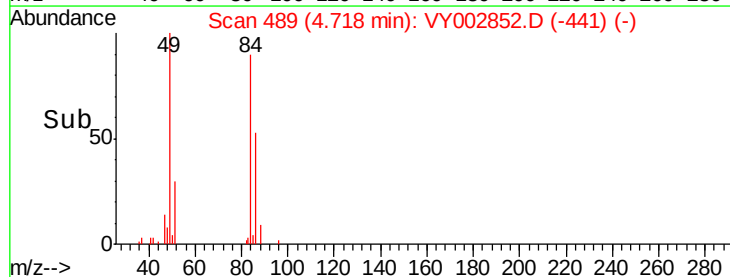
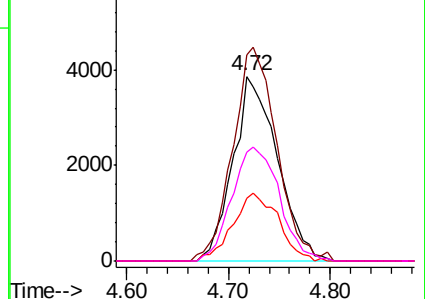


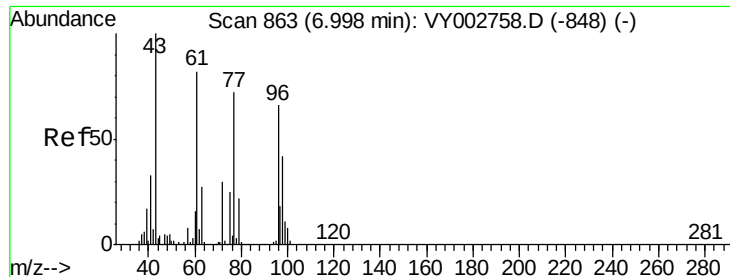
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

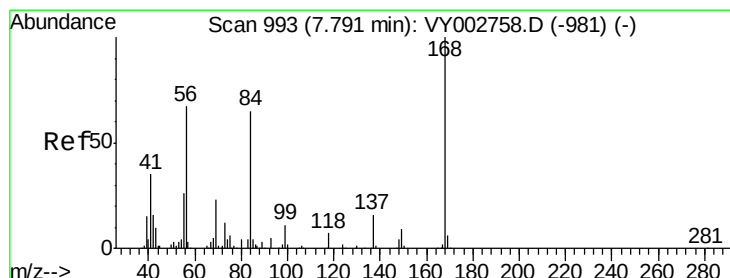
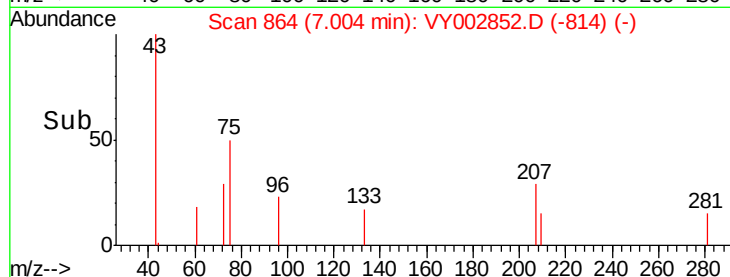
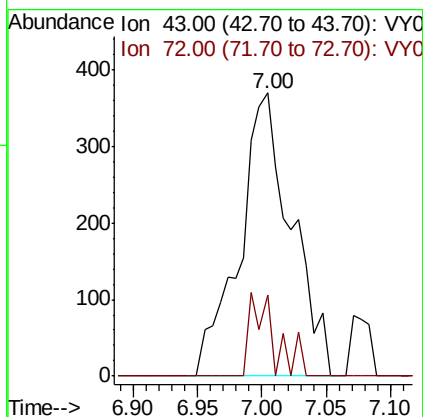
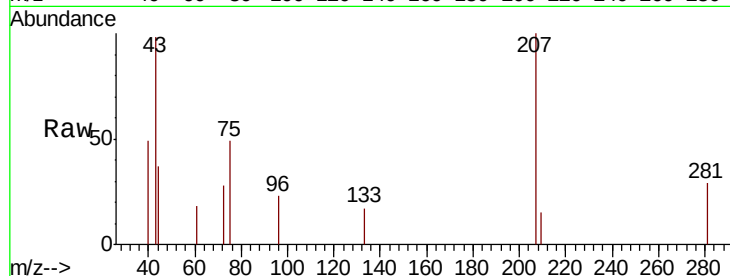




#25
2-Butanone
Concen: 1.143 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY002852.D
Acq: 05 Jun 2020 16:37

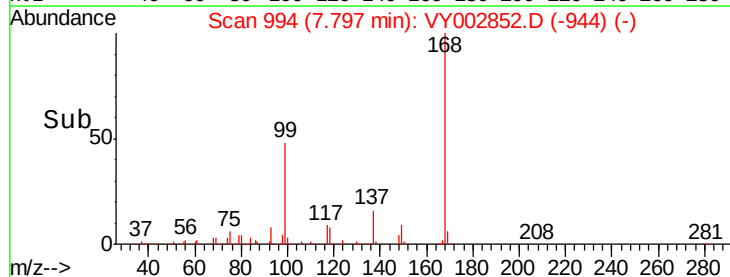
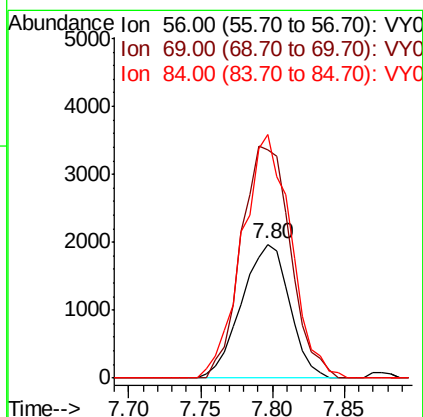
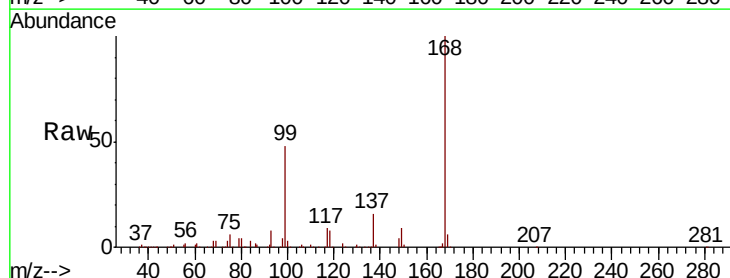
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-25606

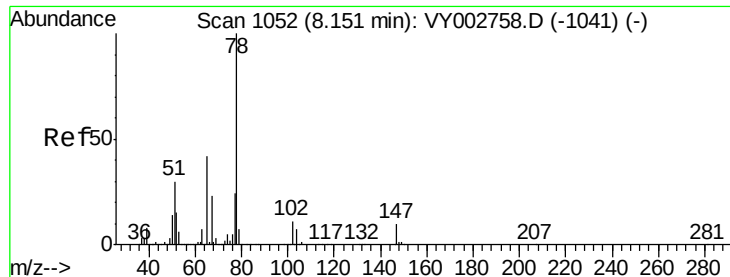
Tot Ion: 43 Resp: 1031
Ion Ratio Lower Upper
43 100
72 28.7 23.9 35.9



#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002852.D
Acq: 05 Jun 2020 16:37

Tgt Ion: 56 Resp: 4534
Ion Ratio Lower Upper
56 100
69 170.4 28.0 42.0#
84 182.1 77.7 116.5#

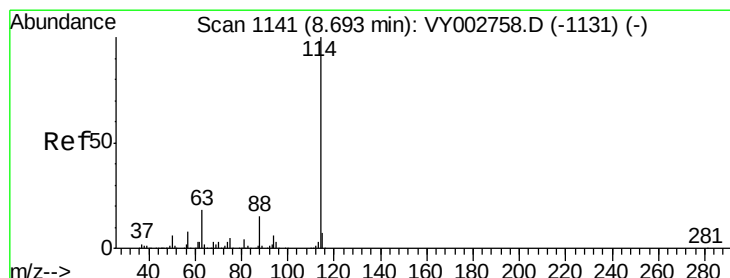
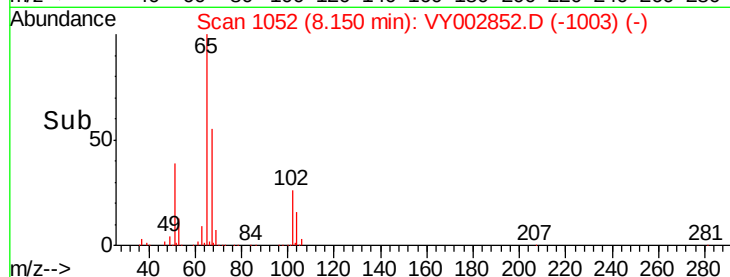
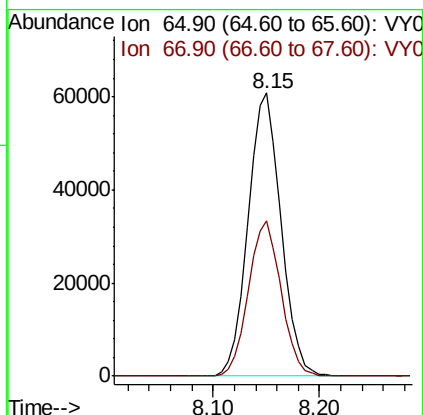
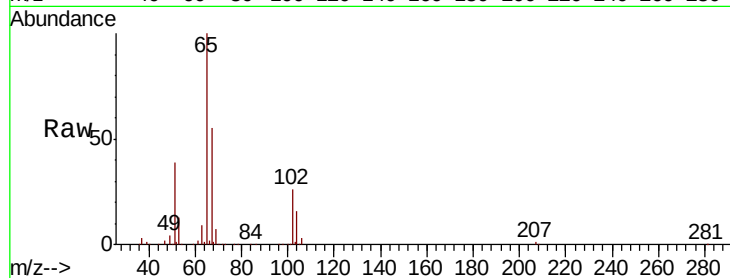




#33
 1,2-Dichloroethane-d4
 Concen: 53.409 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY002852.D
 Acq: 05 Jun 2020 16:37

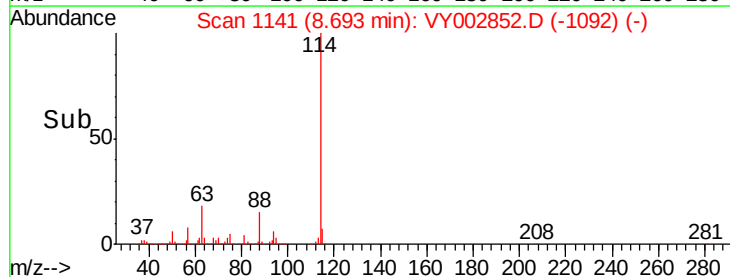
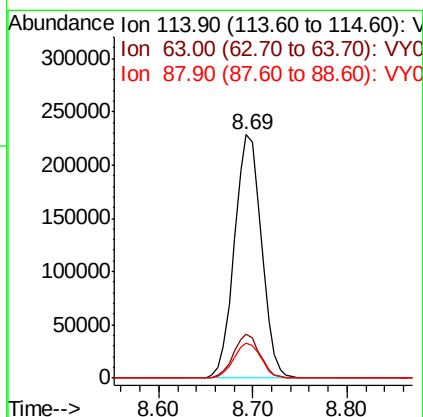
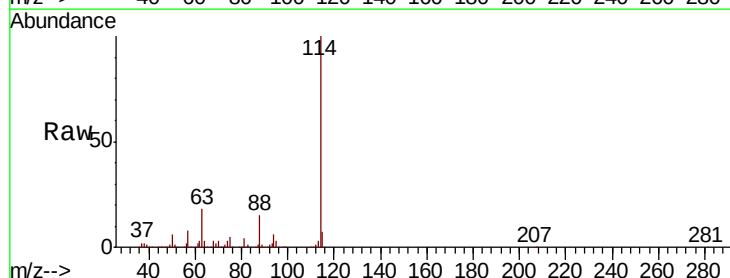
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-25606

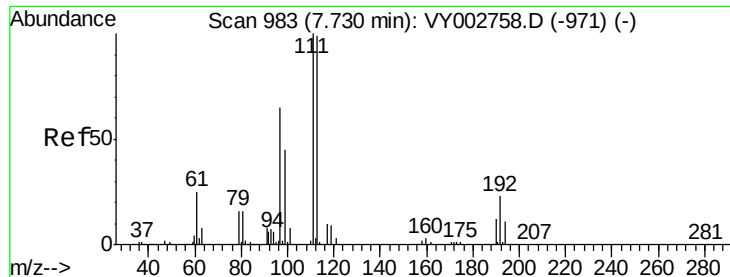
Tot Ion: 65 Resp: 131925
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002852.D
 Acq: 05 Jun 2020 16:37

Tgt Ion: 114 Resp: 456135
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.6 0.0 29.2

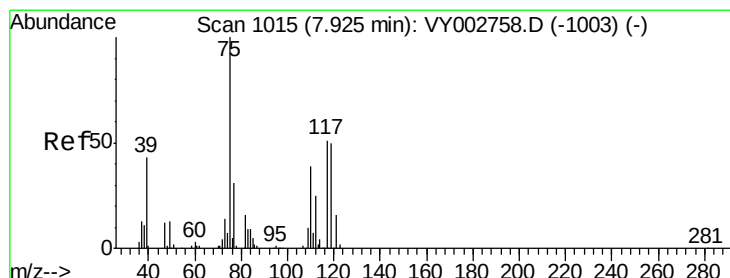
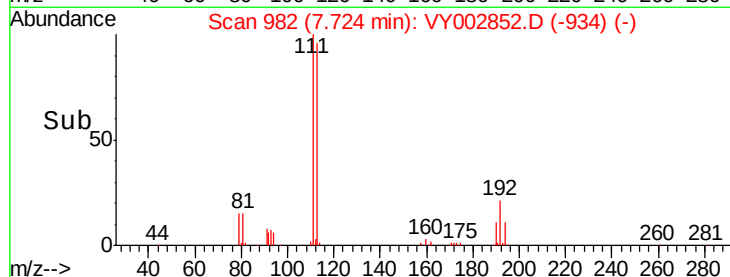
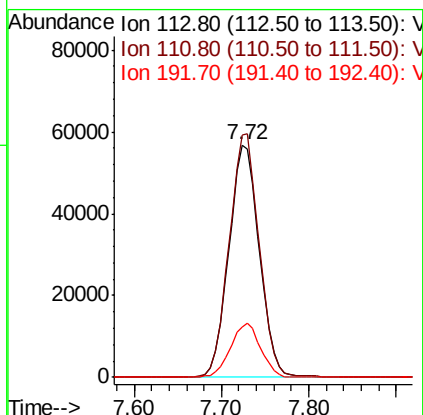
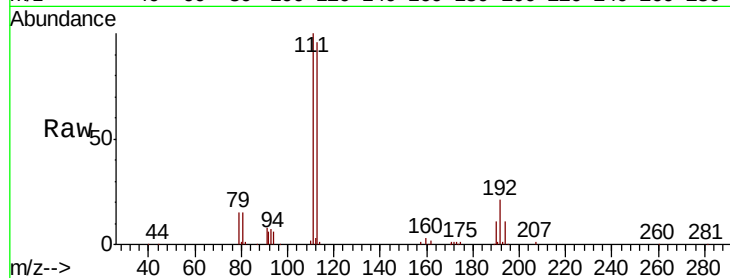




#35
 Dibromofluoromethane
 Concen: 51.297 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002852.D
 Acq: 05 Jun 2020 16:37

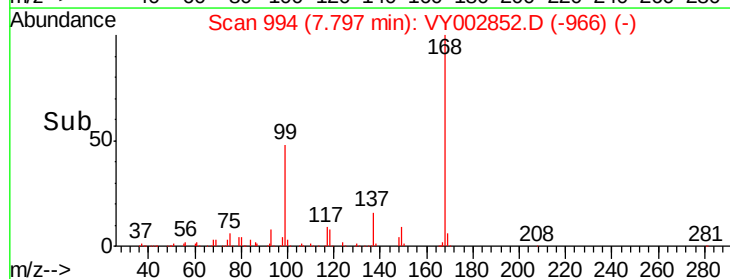
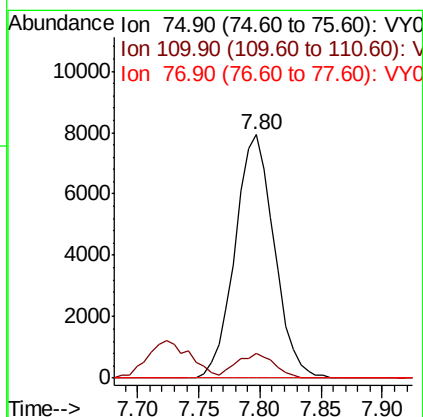
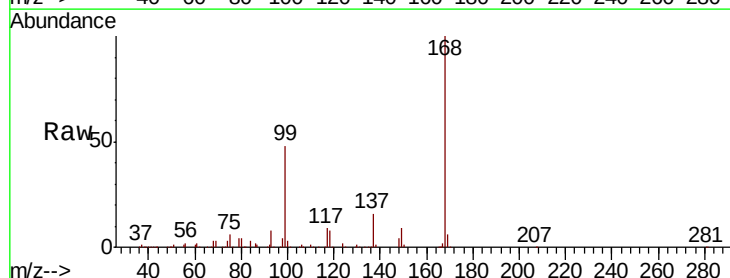
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-25606

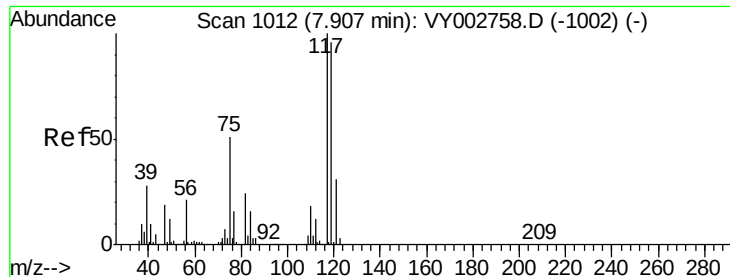
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	23.0	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.587 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002852.D
 Acq: 05 Jun 2020 16:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.3	57.9#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 5.668 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-25606

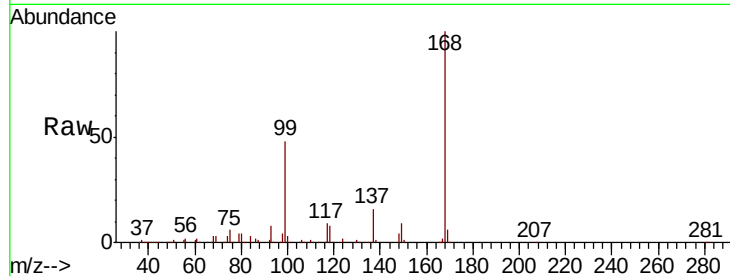
Tot Ion:117 Resp: 24193

Ion Ratio Lower Upper

117 100

119 4.5 76.8 115.2#

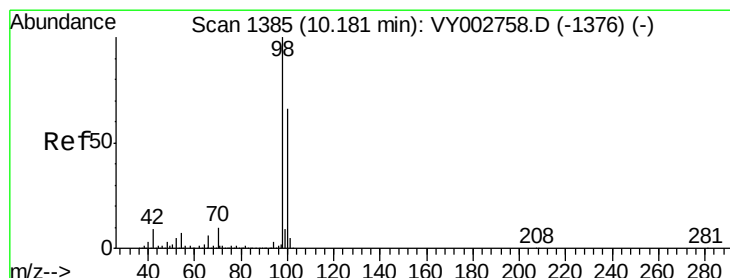
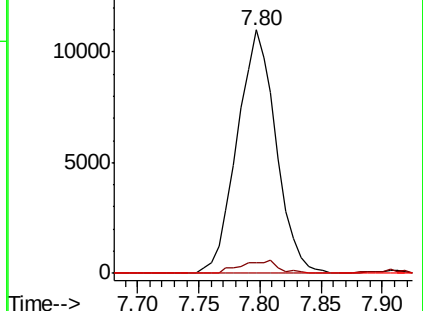
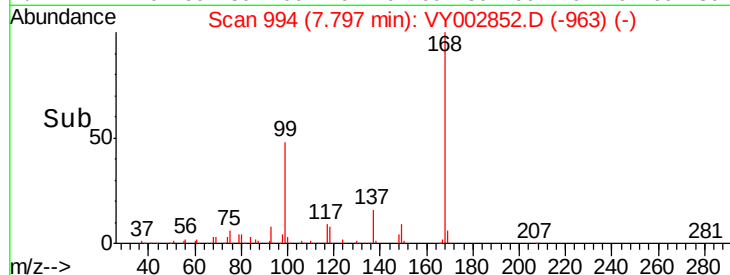
121 0.0 24.8 37.2#



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: 49.164 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002852.D

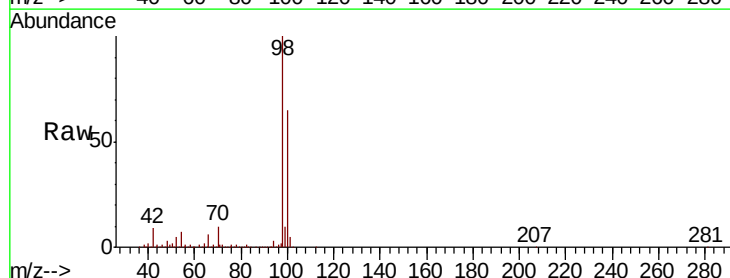
Acq: 05 Jun 2020 16:37

Tgt Ion: 98 Resp: 531381

Ion Ratio Lower Upper

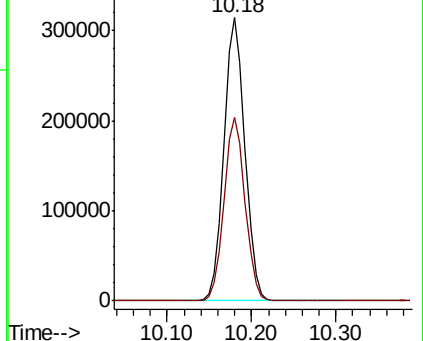
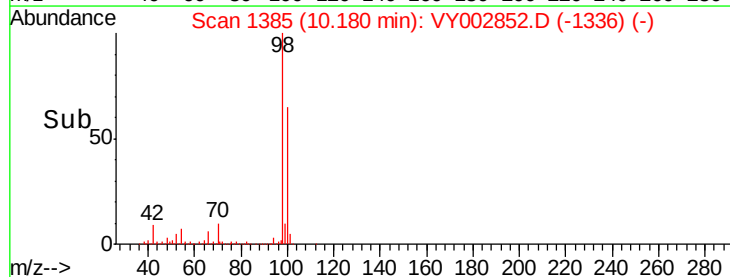
98 100

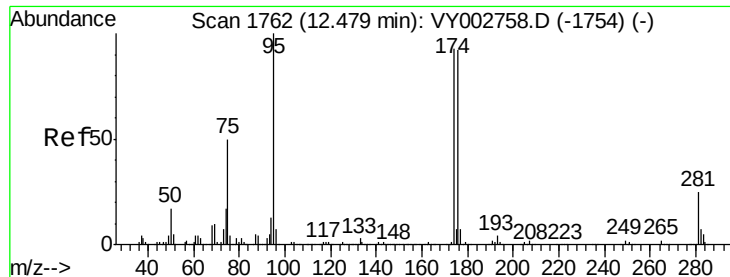
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#62

4-Bromofluorobenzene

Concen: 45.916 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Instrument :

MSVOA_Y

ClientSampled :

CHRT-25606

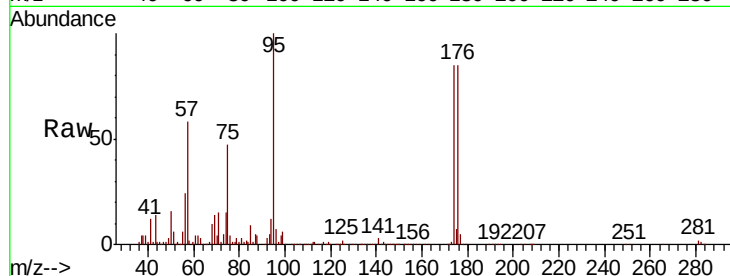
Tot Ion: 95 Resp: 169603

Ion Ratio Lower Upper

95 100

174 92.4 0.0 191.2

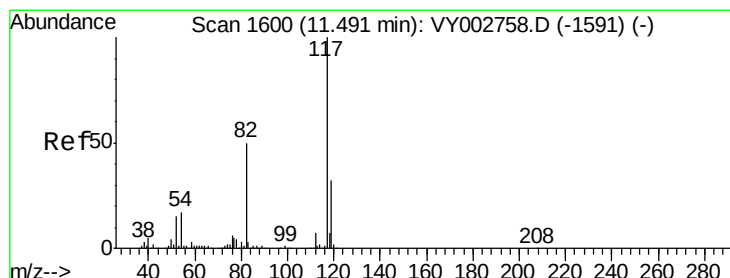
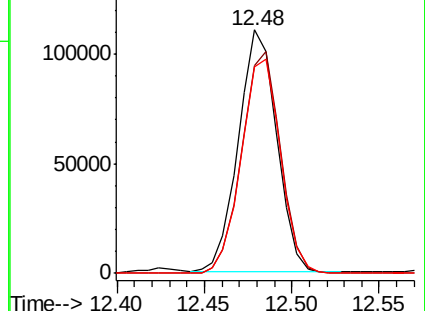
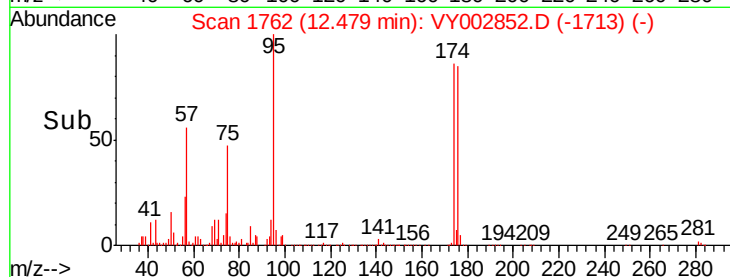
176 90.5 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002852.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY002852.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY002852.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

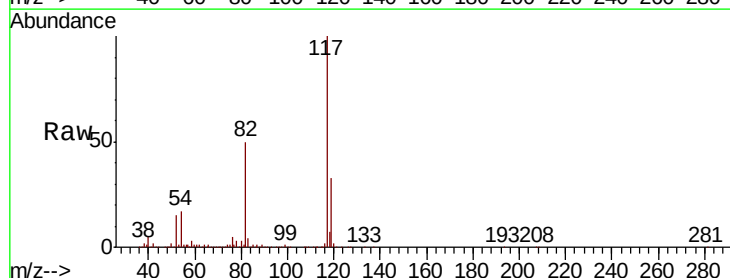
Tgt Ion: 117 Resp: 407112

Ion Ratio Lower Upper

117 100

82 49.6 40.2 60.4

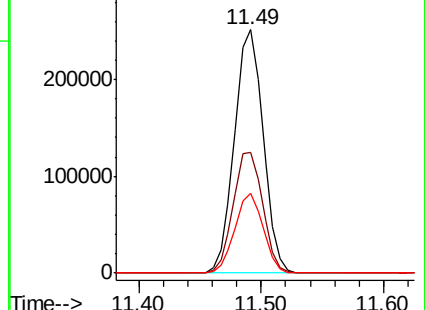
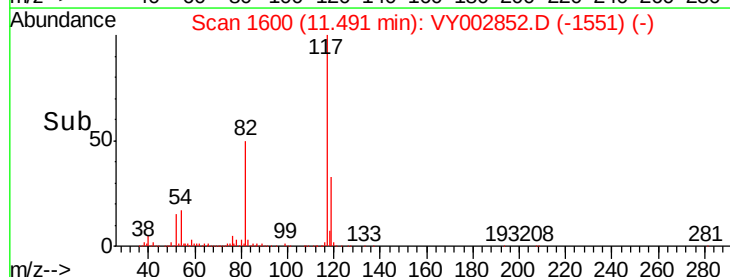
119 32.6 25.8 38.8

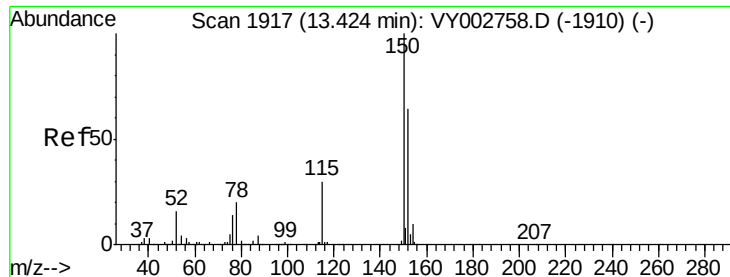


Abundance Ion 116.90 (116.60 to 117.60): VY002852.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY002852.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY002852.D (-1551) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-25606

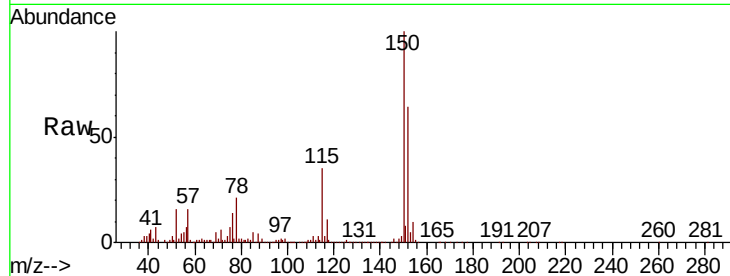
Tot Ion:152 Resp: 177680

Ion Ratio Lower Upper

152 100

115 54.3 27.0 81.0

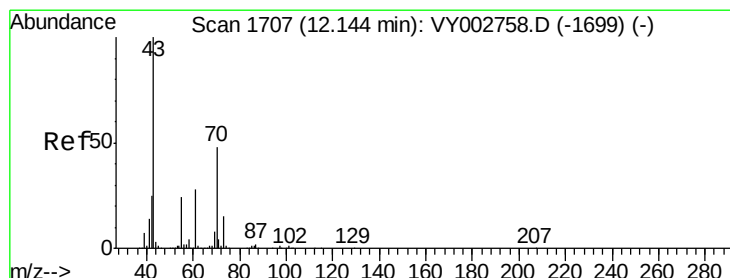
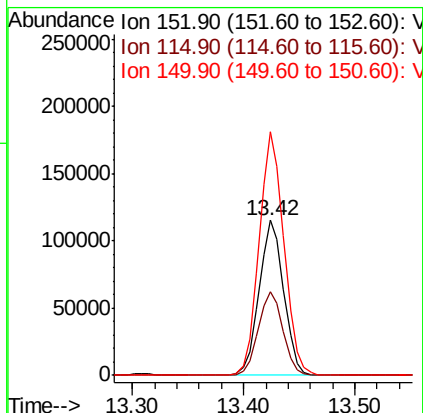
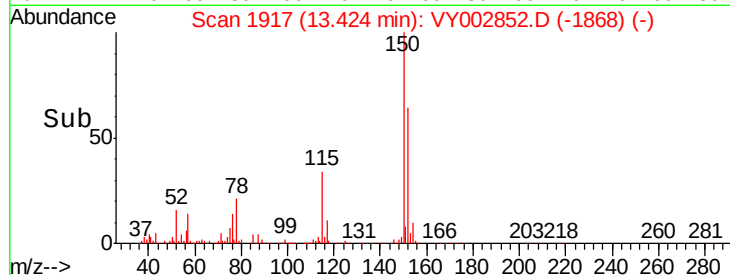
150 158.2 0.0 344.8



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



#74

N-ethyl acetate

Concen: 4.801 ug/l

RT: 12.12 min Scan# 1703

Delta R.T. -0.02 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Tgt Ion: 43 Resp: 14025

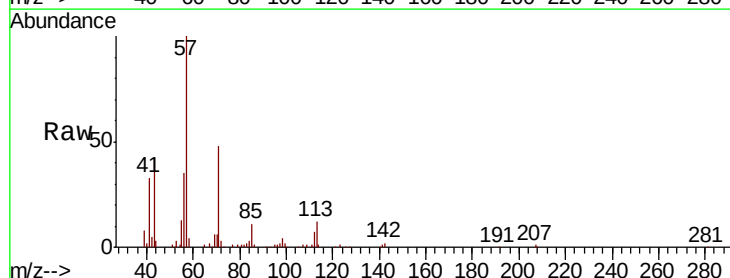
Ion Ratio Lower Upper

43 100

70 21.3 37.7 56.5#

55 24.4 19.8 29.6

61 0.0 21.7 32.5#

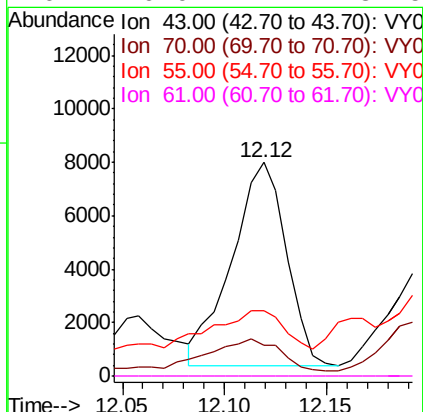
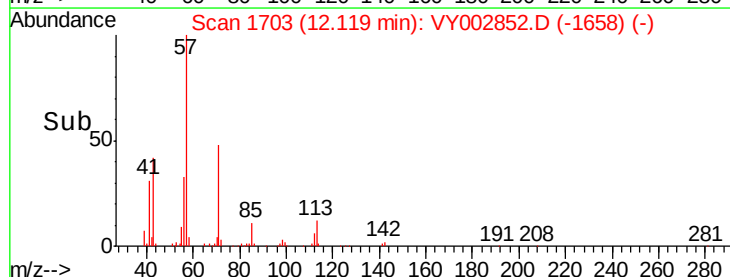


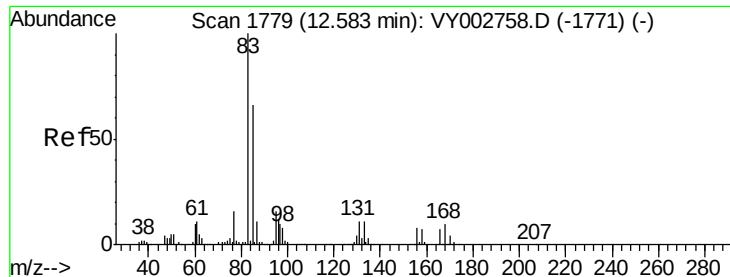
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 1.724 ug/l

RT: 12.56 min Scan# 1776

Delta R.T. -0.02 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-25606

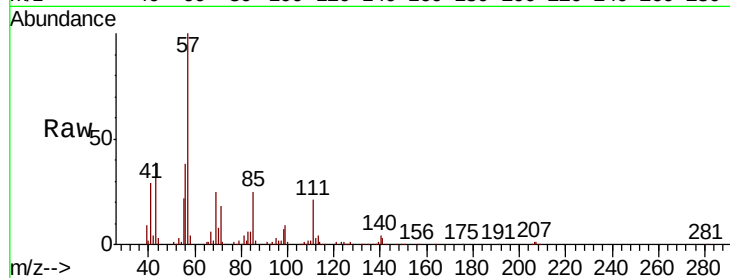
Tot Ion: 83 Resp: 3445

Ion Ratio Lower Upper

83 100

131 0.0 5.8 17.4#

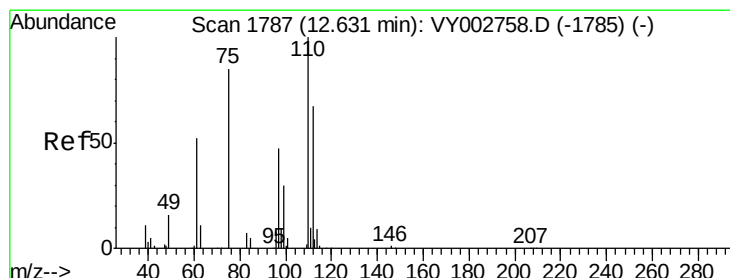
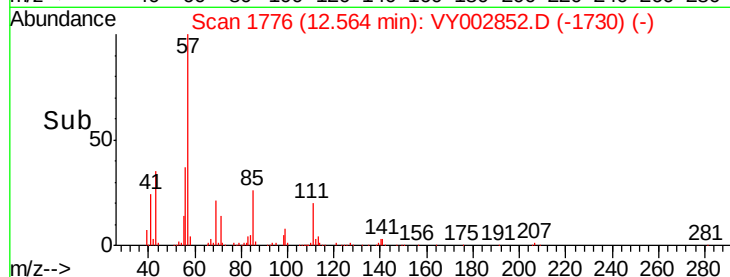
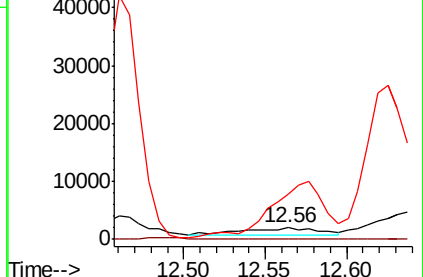
85 618.8 32.6 98.0#



Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0



#76

1,2,3-Trichloropropane

Concen: 49.497 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002852.D

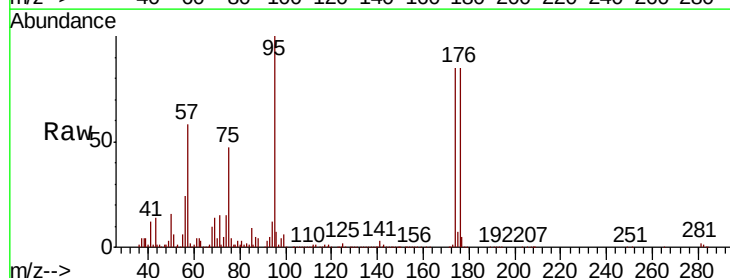
Acq: 05 Jun 2020 16:37

Tgt Ion: 75 Resp: 79246

Ion Ratio Lower Upper

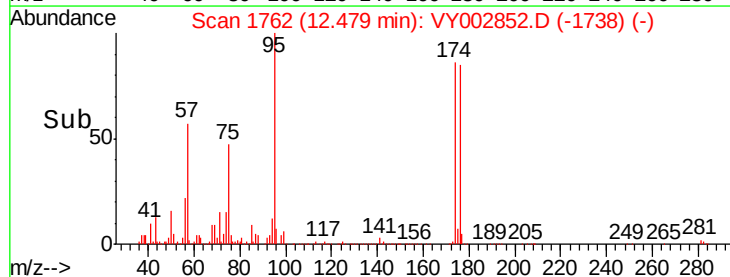
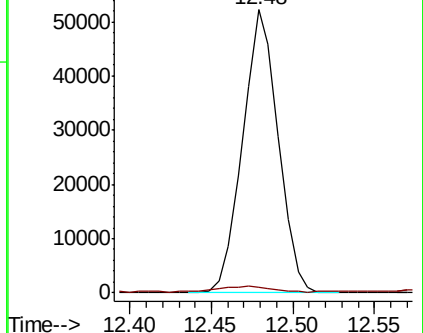
75 100

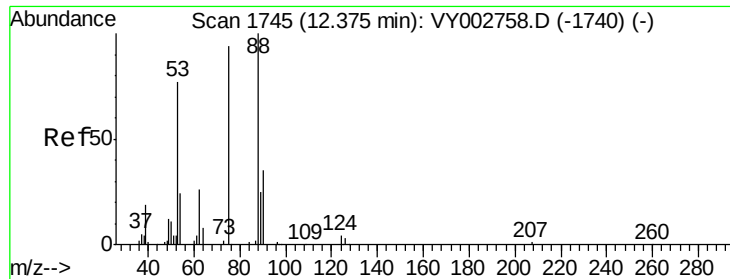
77 2.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

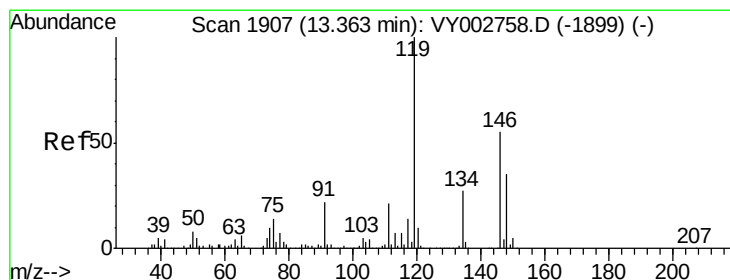
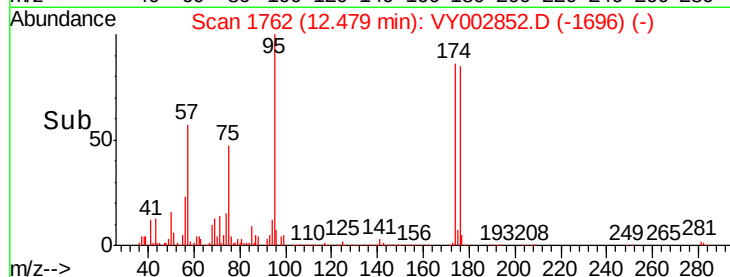
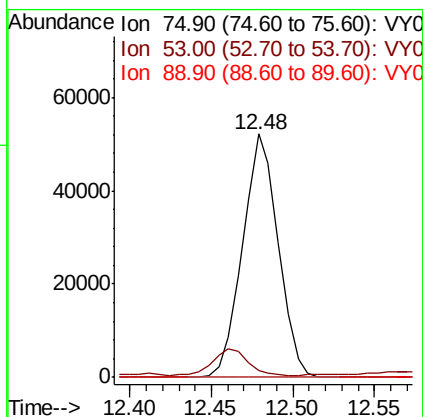
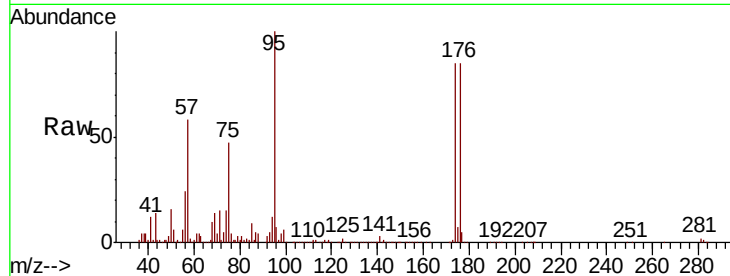




#81
trans-1,4-Dichloro-2-butene
Concen: 93.253 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY002852.D
Acq: 05 Jun 2020 16:37

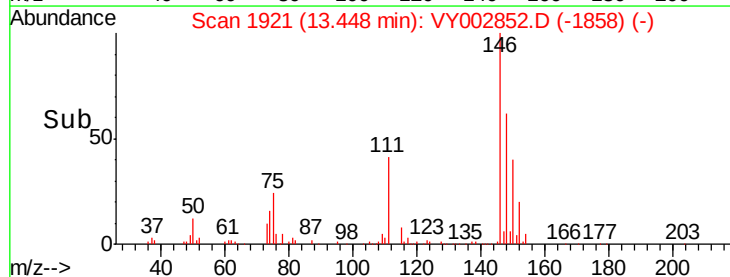
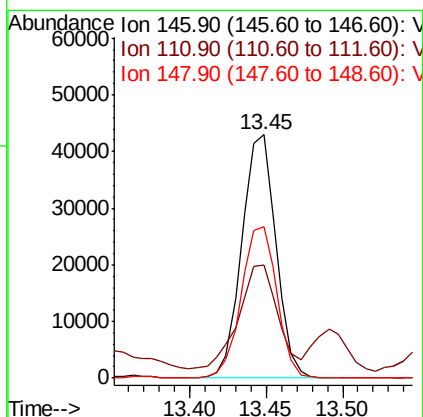
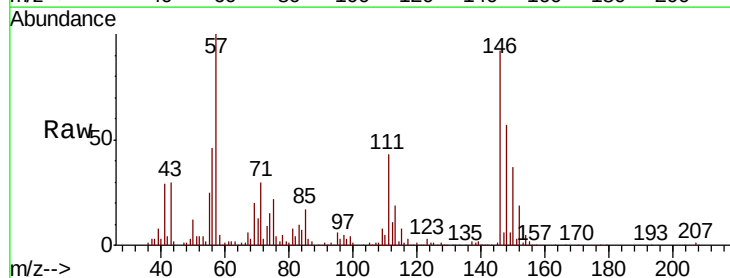
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-25606

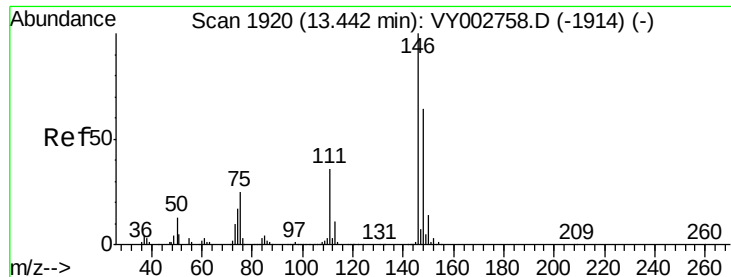
Tot Ion: 75 Resp: 79246
Ion Ratio Lower Upper
75 100
53 0.0 64.0 96.0#
89 0.0 37.4 56.2#



#87
1,3-Dichlorobenzene
Concen: 11.846 ug/l
RT: 13.45 min Scan# 1921
Delta R.T. 0.09 min
Lab File: VY002852.D
Acq: 05 Jun 2020 16:37

Tgt Ion: 146 Resp: 66527
Ion Ratio Lower Upper
146 100
111 47.6 18.4 55.0
148 65.3 31.9 95.7





#88

1,4-Dichlorobenzene

Concen: 11.842 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. 0.01 min

Lab File: VY002852.D

Acq: 05 Jun 2020 16:37

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-25606

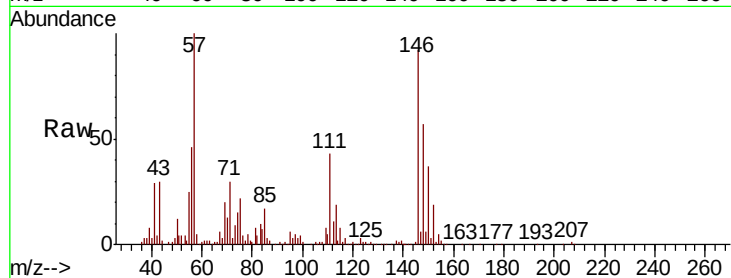
Tot Ion:146 Resp: 66527

Ion Ratio Lower Upper

146 100

111 51.0 18.1 54.3

148 65.3 32.1 96.3



Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

