

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060520\
 Data File : VY002854.D
 Acq On : 05 Jun 2020 17:25
 Operator : SY/MD
 Sample : L2936-02
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jun 06 07:59:13 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	325021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	534321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	503341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	260203	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	166047	58.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.68%	
35) Dibromofluoromethane	7.72	113	167775	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	10.18	98	627213	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.48	95	224583	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

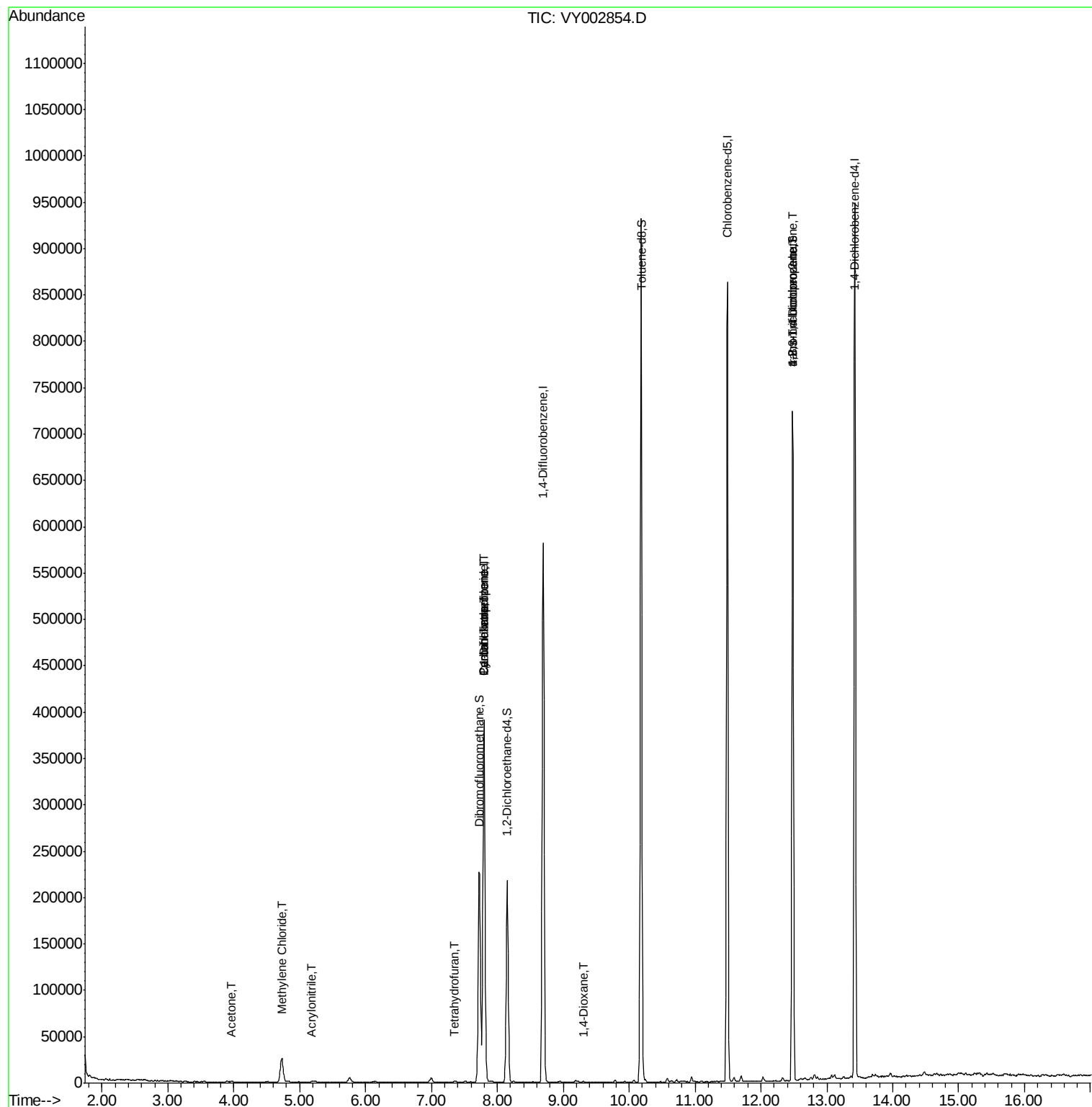
					Qvalue
11) Tert butyl alcohol	4.99	59	401	Below Cal	# 74
15) Acrylonitrile	5.18	53	819	1.004	ug/l # 76
16) Acetone	3.96	43	1184	1.789	ug/l 90
18) Methyl Acetate	4.48	43	981	Below Cal	# 66
20) Methylene Chloride	4.73	84	21081	6.519	ug/l 99
29) Tetrahydrofuran	7.35	42	844	1.259	ug/l # 30
31) Cyclohexane	7.79	56	5870	1.226	ug/l # 1
36) 1,1-Dichloropropene	7.80	75	20187	4.485	ug/l # 48
38) Carbon Tetrachloride	7.80	117	29156	5.831	ug/l # 16
49) 1,4-Dioxane	9.31	88	49	1.685	ug/l # 35
76) 1,2,3-Trichloropropane	12.48	75	104994	44.781	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.48	75	104994	84.368	ug/l # 17

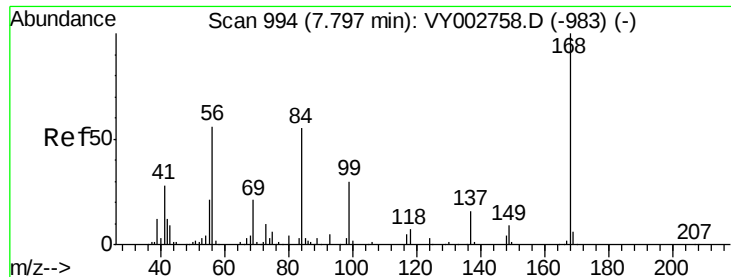
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY002854.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_Y

ClientSampleId :

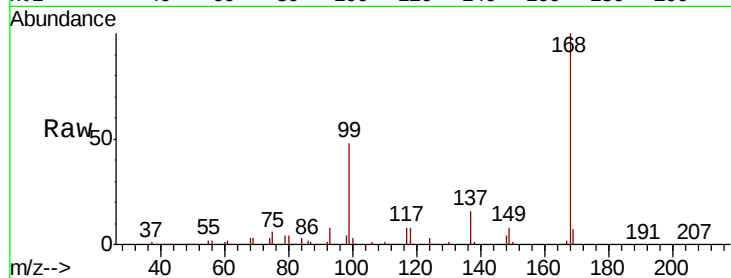
VOC

Tot Ion:168 Resp: 325021

Ion Ratio Lower Upper

168 100

99 47.8 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

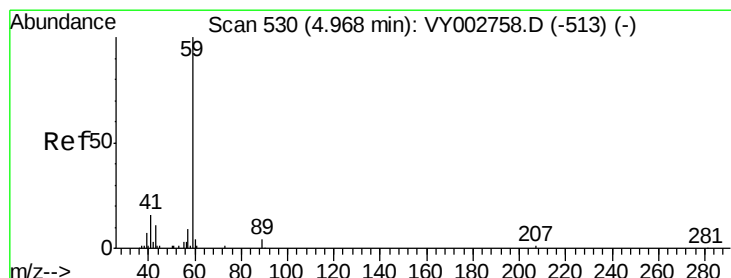
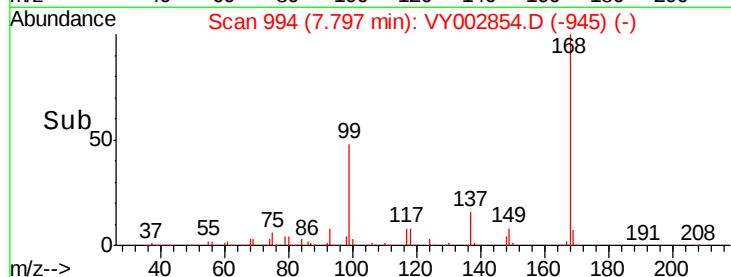
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.99 min Scan# 533

Delta R.T. 0.02 min

Lab File: VY002854.D

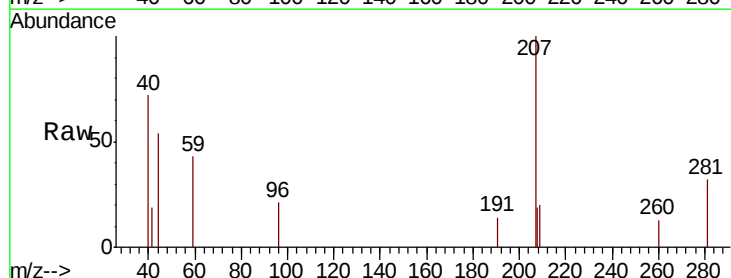
Acq: 05 Jun 2020 17:25

Tgt Ion: 59 Resp: 401

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) (-)

4.99

200

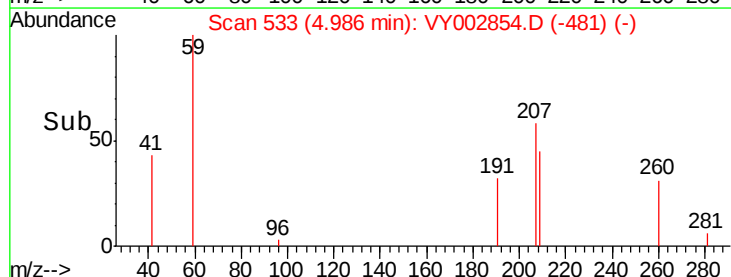
150

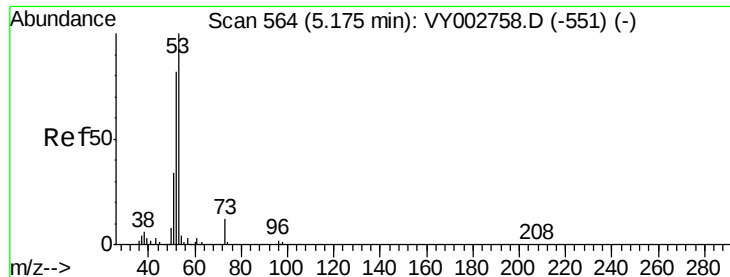
100

50

0

Time-->





#15

Acrylonitrile

Concen: 1.004 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY002854.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_Y

ClientSampled :

VOC

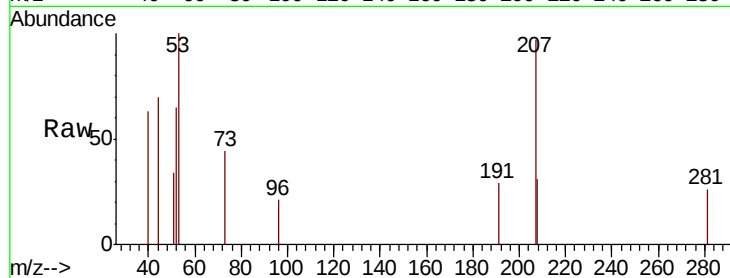
Tot Ion: 53 Resp: 819

Ion Ratio Lower Upper

53 100

52 54.2 65.3 97.9#

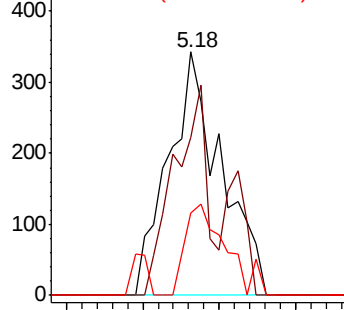
51 29.2 28.0 42.0



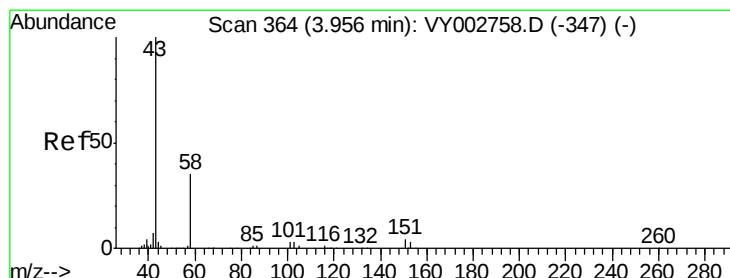
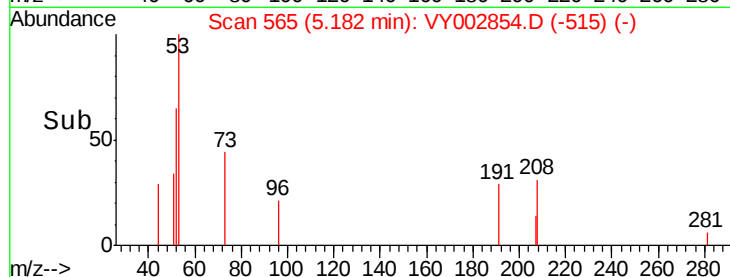
Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



Time--> 5.10 5.15 5.20 5.25



#16

Acetone

Concen: 1.789 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY002854.D

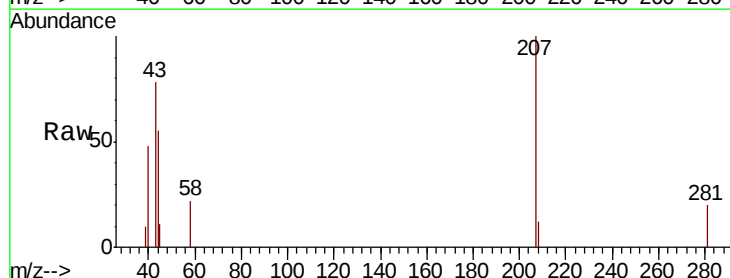
Acq: 05 Jun 2020 17:25

Tgt Ion: 43 Resp: 1184

Ion Ratio Lower Upper

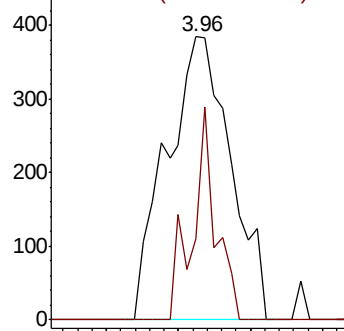
43 100

58 28.6 27.7 41.5

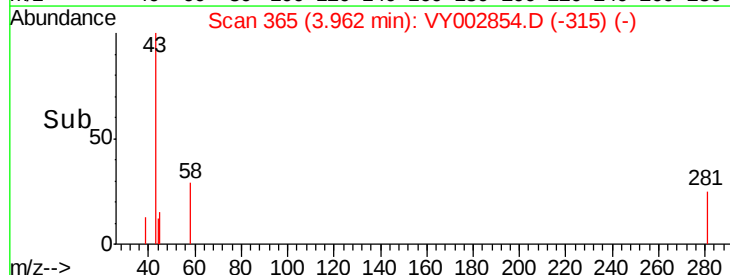


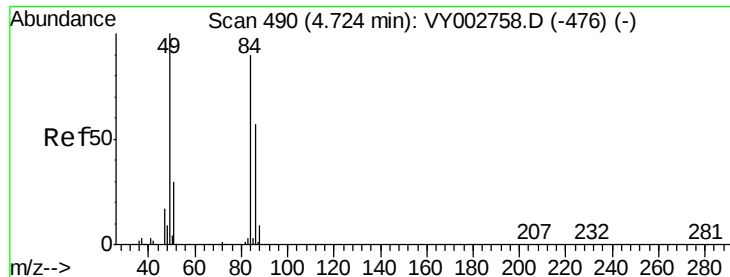
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time--> 3.90 3.95 4.00 4.05

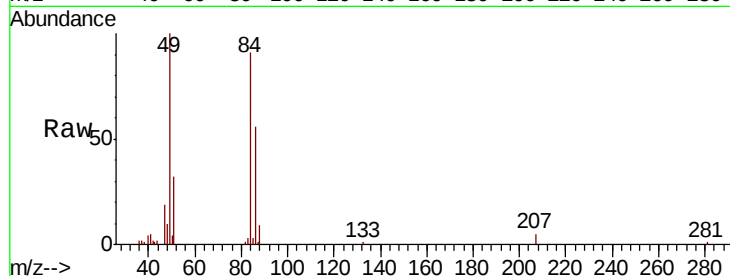




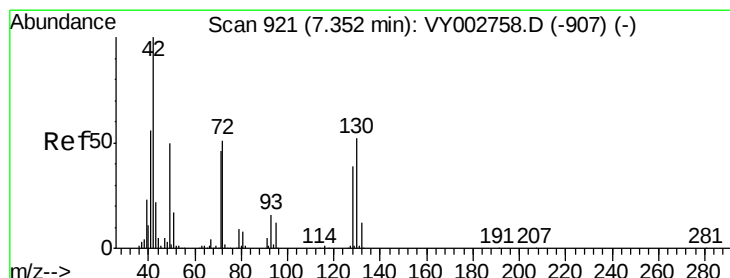
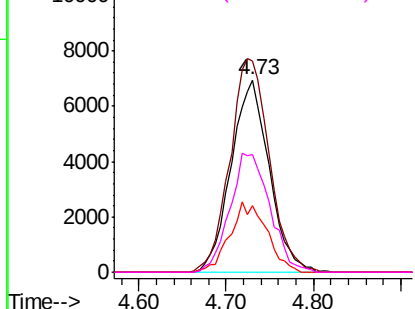
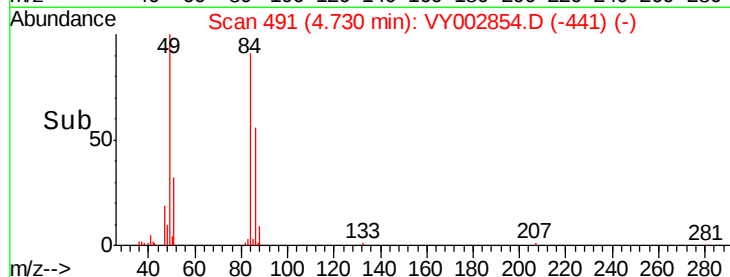
#20
Methvlene Chloride
Concen: 6.519 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002854.D
Acq: 05 Jun 2020 17:25

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tot Ion: 84 Resp: 21081
Ion Ratio Lower Upper
84 100
49 110.0 88.5 132.7
51 34.9 26.8 40.2
86 61.5 50.6 75.8

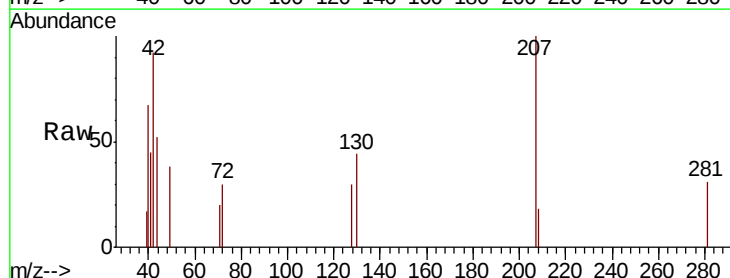


Abundance Ion 83.90 (83.60 to 84.60): VY0
12000 Ion 48.90 (48.60 to 49.60): VY0
10000 Ion 50.90 (50.60 to 51.60): VY0
8000 Ion 85.90 (85.60 to 86.60): VY0

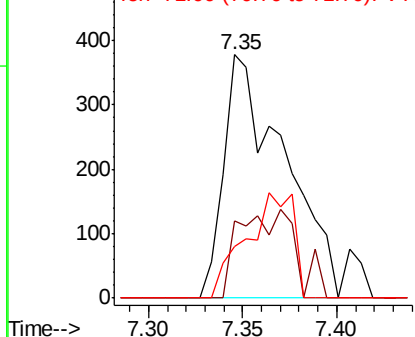
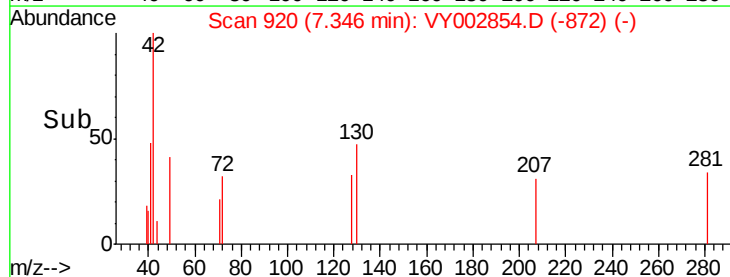


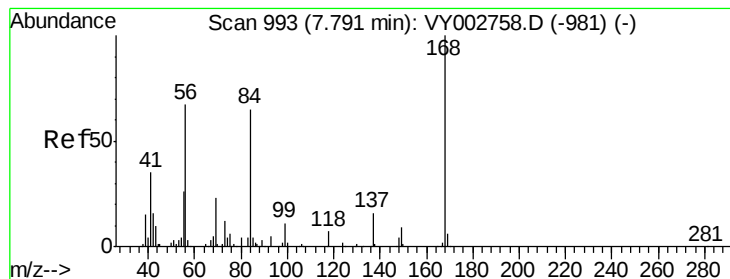
#29
Tetrahydrofuran
Concen: 1.259 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002854.D
Acq: 05 Jun 2020 17:25

Tgt Ion: 42 Resp: 844
Ion Ratio Lower Upper
42 100
72 0.0 38.6 58.0#
71 0.0 35.8 53.8#



Abundance Ion 42.00 (41.70 to 42.70): VY0
500 Ion 72.00 (71.70 to 72.70): VY0
400 Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002854.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_Y

ClientSampled :

VOC

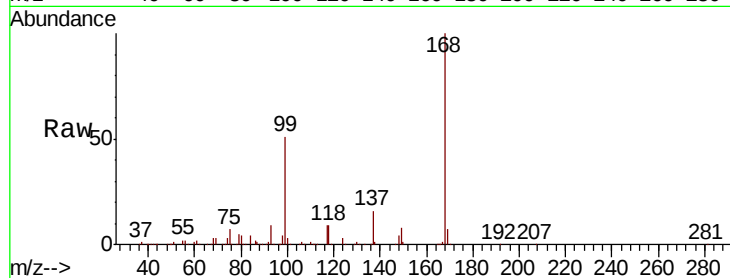
Tot Ion: 56 Resp: 5870

Ion Ratio Lower Upper

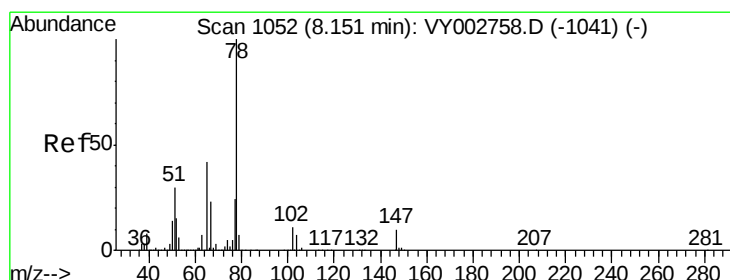
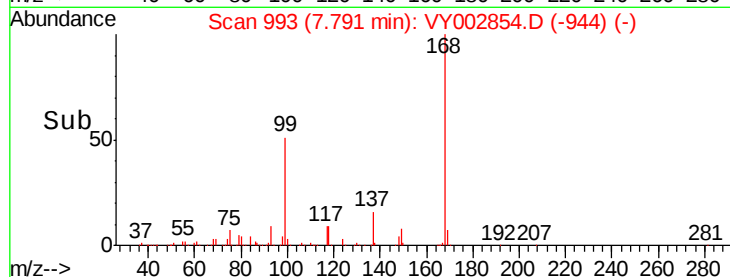
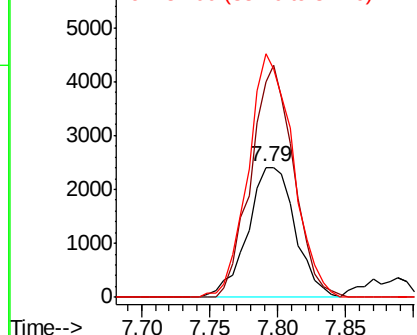
56 100

69 165.3 28.0 42.0#

84 187.1 77.7 116.5#



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: 58.838 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002854.D

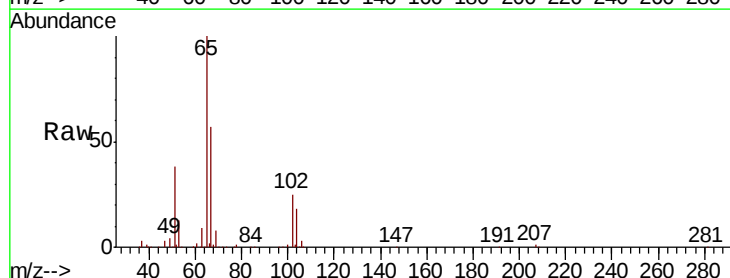
Acq: 05 Jun 2020 17:25

Tgt Ion: 65 Resp: 166047

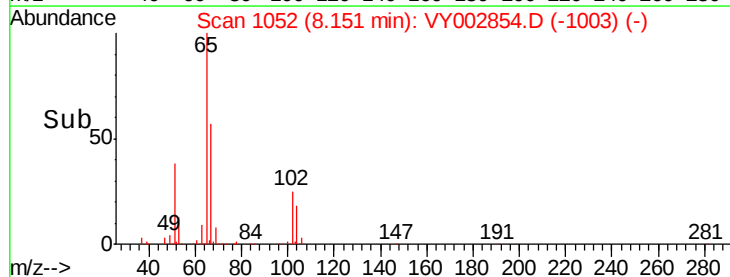
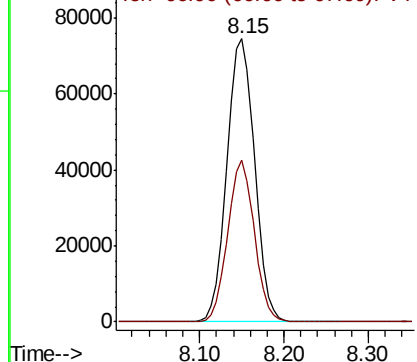
Ion Ratio Lower Upper

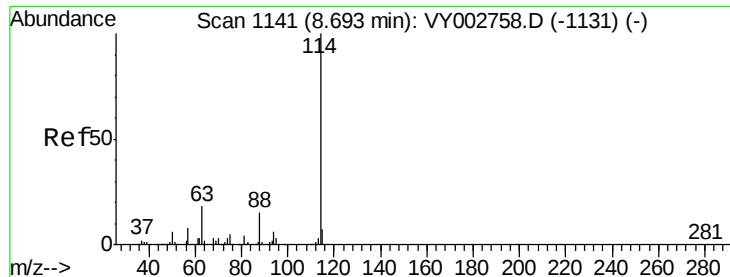
65 100

67 54.7 0.0 111.0



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

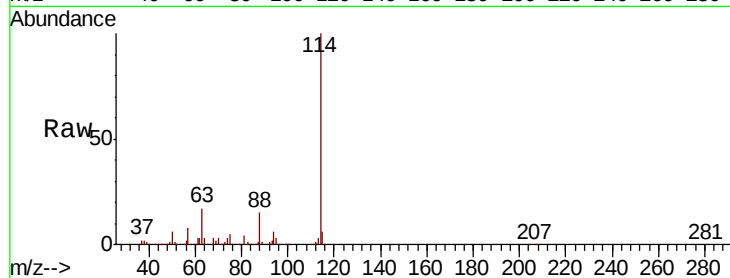




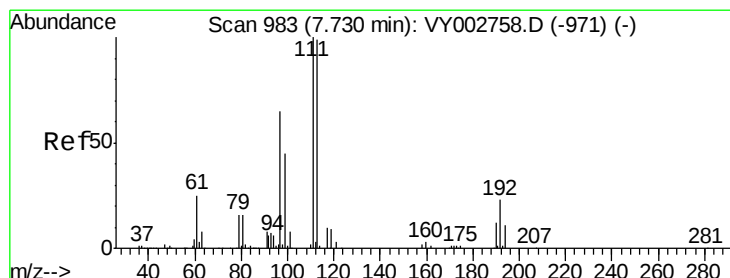
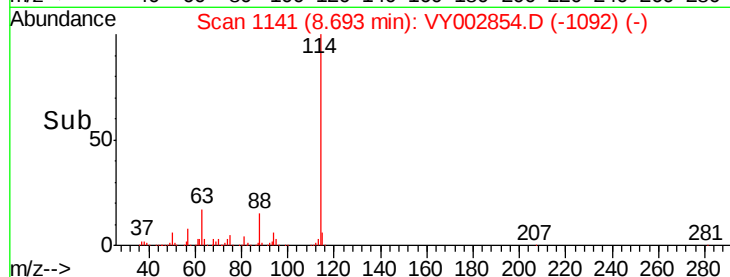
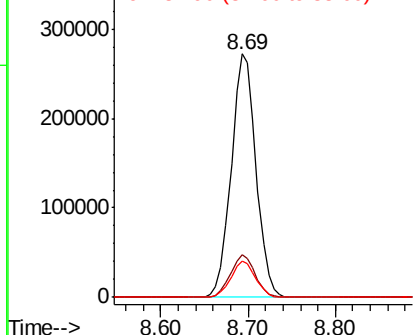
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.69 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VY002854.D
Acq: 05 Jun 2020 17:25

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tot Ion:114 Resp: 534321
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.2
88 14.8 0.0 29.2

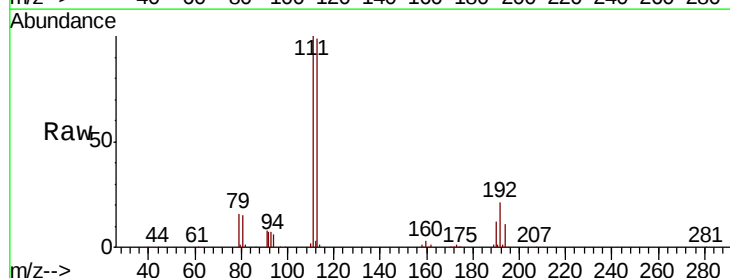


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VY0
Ion 87.90 (87.60 to 88.60): VY0

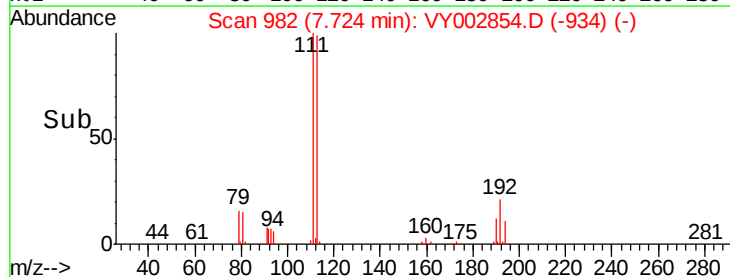
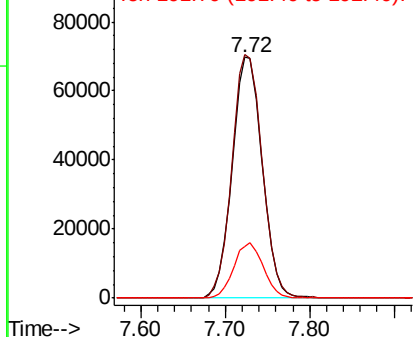


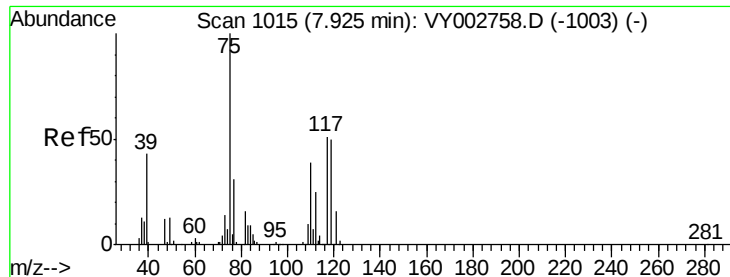
#35
Dibromofluoromethane
Concen: 53.578 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY002854.D
Acq: 05 Jun 2020 17:25

Tgt Ion:113 Resp: 167775
Ion Ratio Lower Upper
113 100
111 101.8 82.0 123.0
192 22.6 18.9 28.3



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

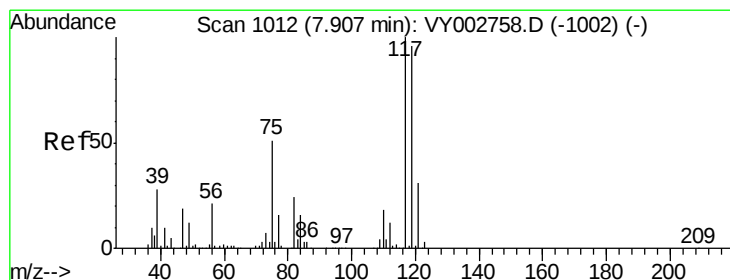
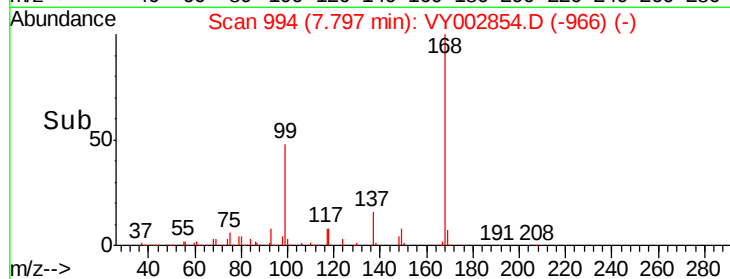
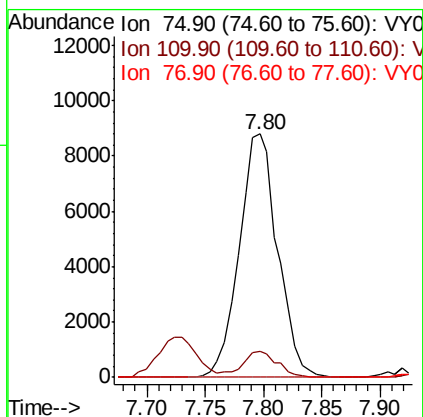
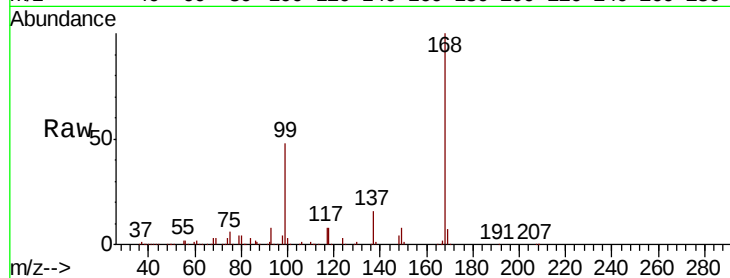




#36
 1,1-Dichloropropene
 Concen: 4.485 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002854.D
 Acq: 05 Jun 2020 17:25

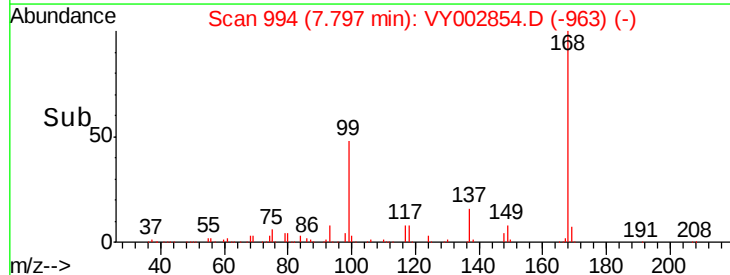
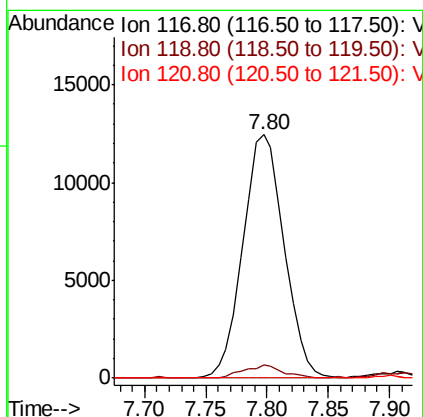
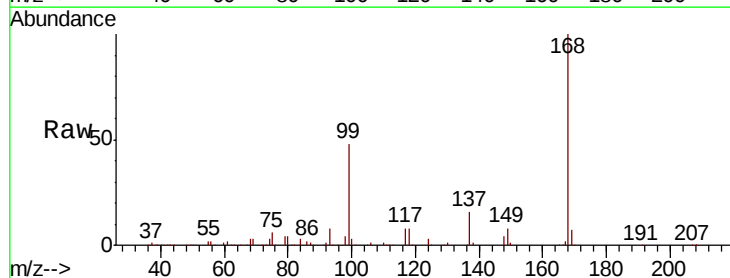
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

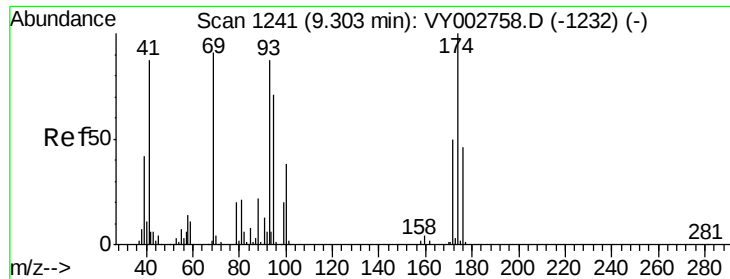
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.3	57.9#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 5.831 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY002854.D
 Acq: 05 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.8	115.2#
121	0.0	24.8	37.2#

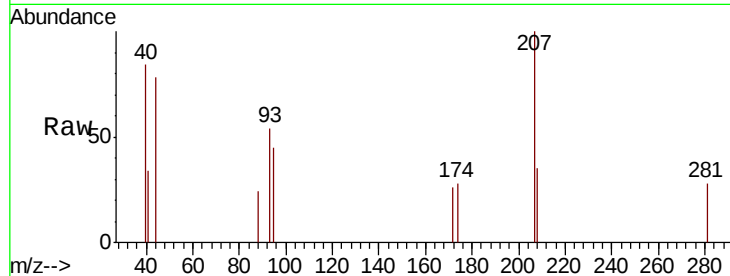




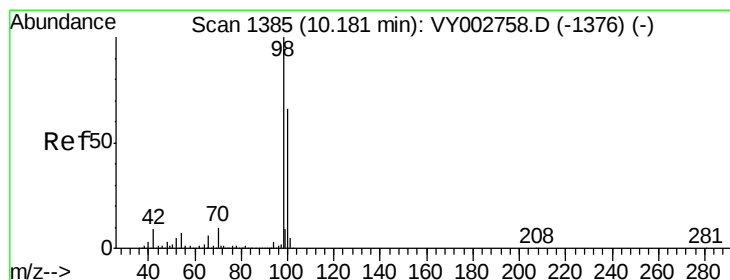
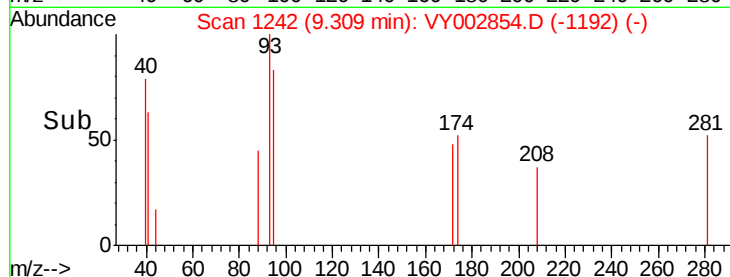
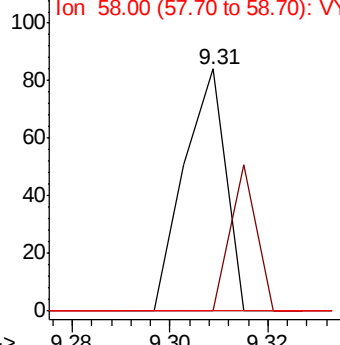
#49
1,4-Dioxane
Concen: 1.685 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY002854.D
Acq: 05 Jun 2020 17:25

Instrument :
MSVOA_Y
ClientSampled :
VOC

Tot Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 38.8 21.3 31.9#
58 0.0 52.2 78.2#

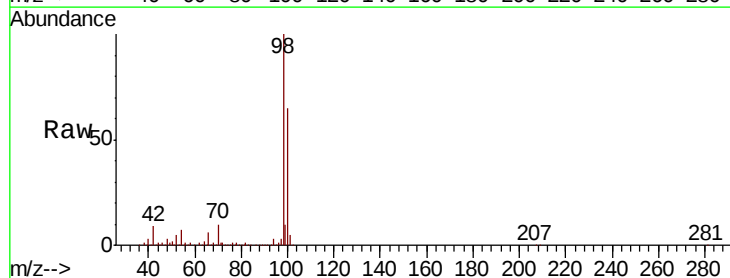


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

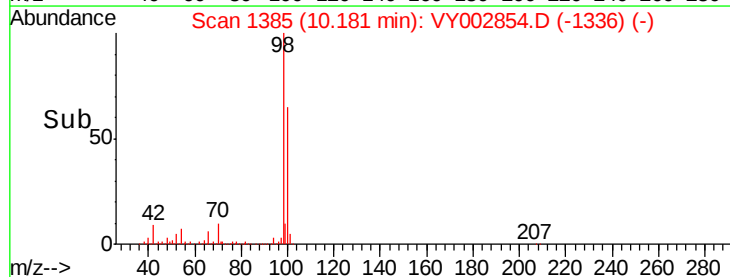
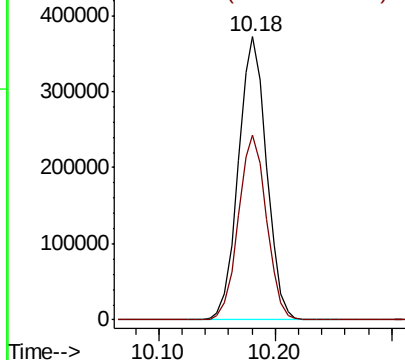


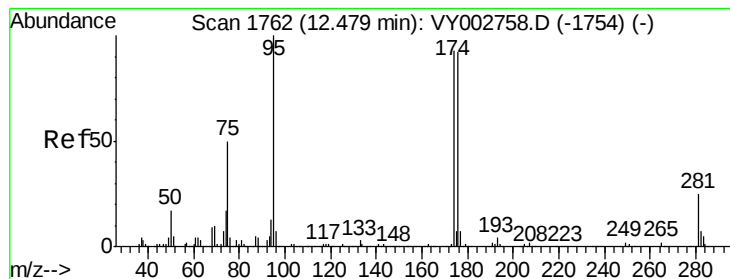
#50
Toluene-d8
Concen: 49.539 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY002854.D
Acq: 05 Jun 2020 17:25

Tgt Ion: 98 Resp: 627213
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



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





#62

4-Bromofluorobenzene

Concen: 51.904 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002854.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_Y

ClientSampleId :

VOC

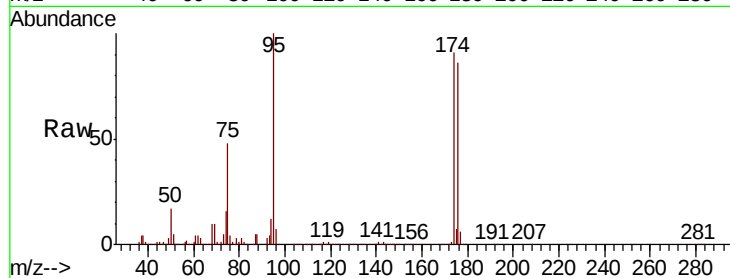
Tot Ion: 95 Resp: 224583

Ion Ratio Lower Upper

95 100

174 92.7 0.0 191.2

176 89.8 0.0 188.8



Abundance Ion 94.90 (94.60 to 95.60): VY002758.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY002758.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY002758.D (-1754) (-)

12.48

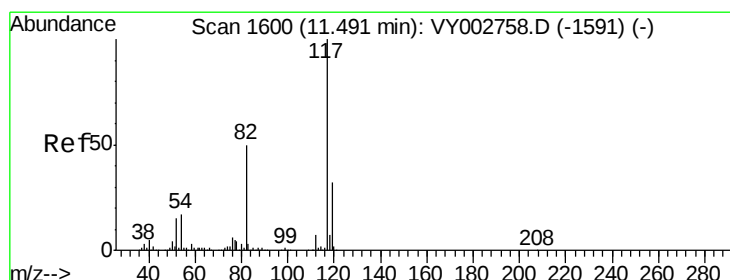
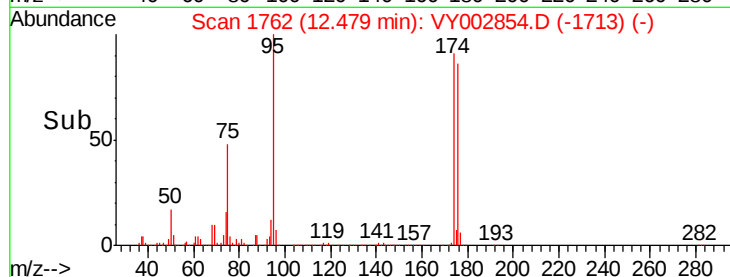
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY002854.D

Acq: 05 Jun 2020 17:25

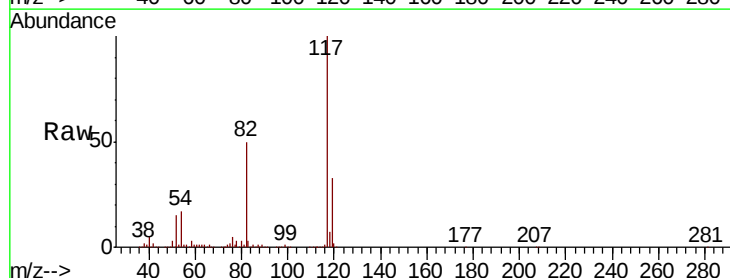
Tgt Ion: 117 Resp: 503341

Ion Ratio Lower Upper

117 100

82 50.0 40.2 60.4

119 33.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VY002758.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY002758.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY002758.D (-1591) (-)

11.49

400000

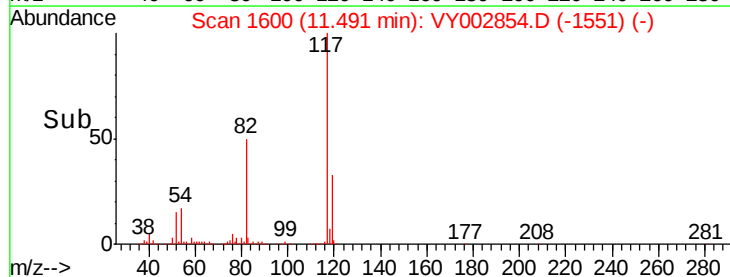
300000

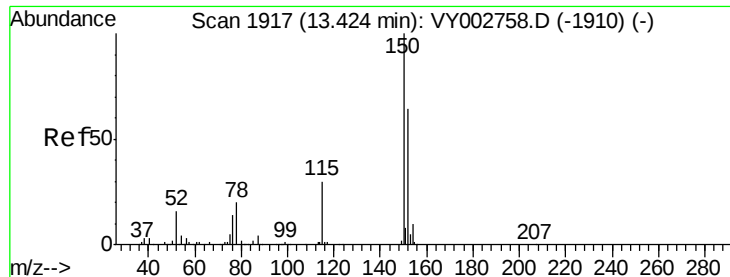
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002854.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_Y

ClientSampleId :

VOC

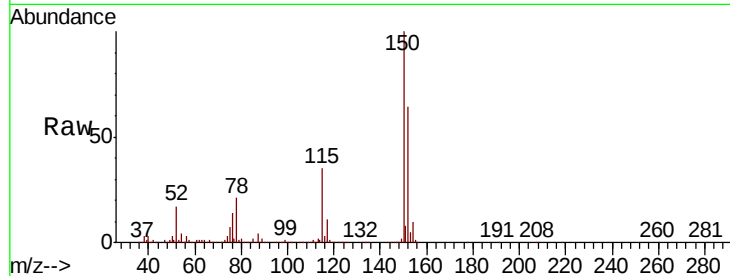
Tot Ion:152 Resp: 260203

Ion Ratio Lower Upper

152 100

115 54.5 27.0 81.0

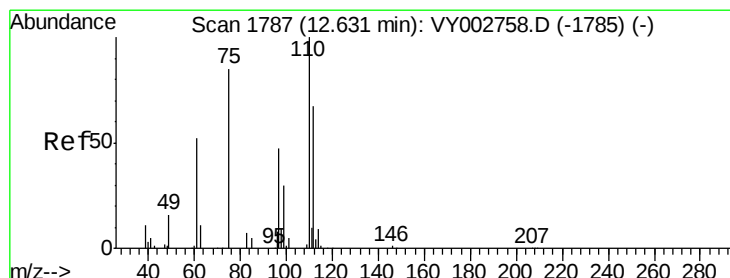
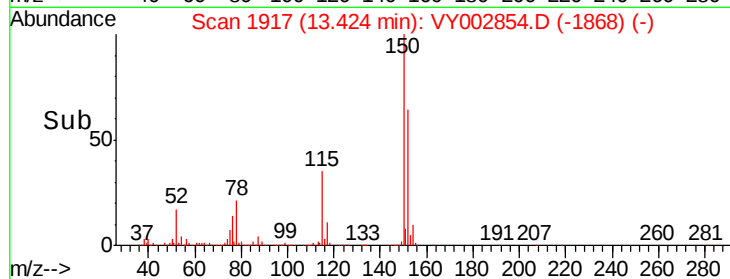
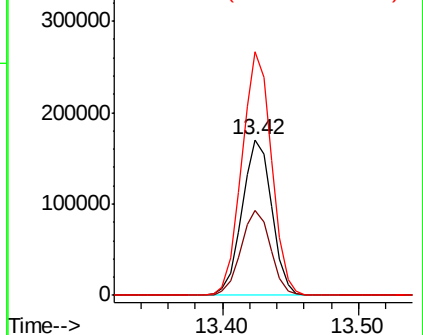
150 156.0 0.0 344.8



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



#76

1,2,3-Trichloropropane

Concen: 44.781 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002854.D

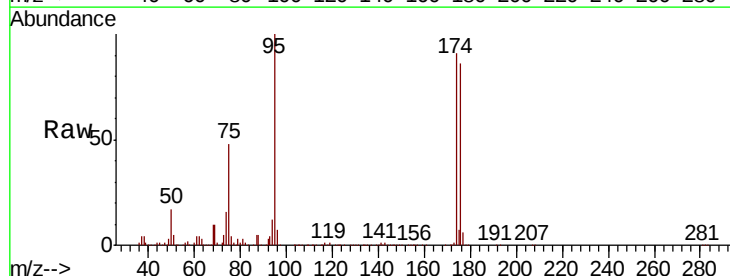
Acq: 05 Jun 2020 17:25

Tgt Ion: 75 Resp: 104994

Ion Ratio Lower Upper

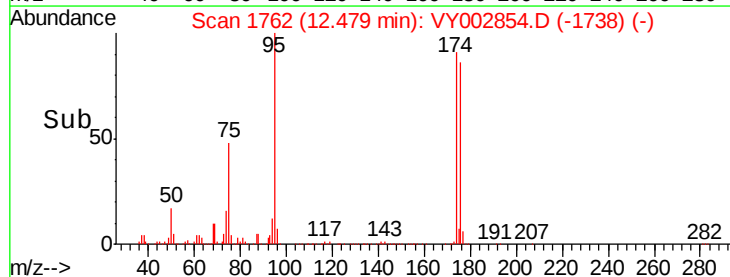
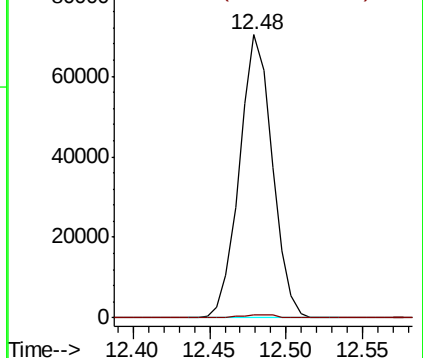
75 100

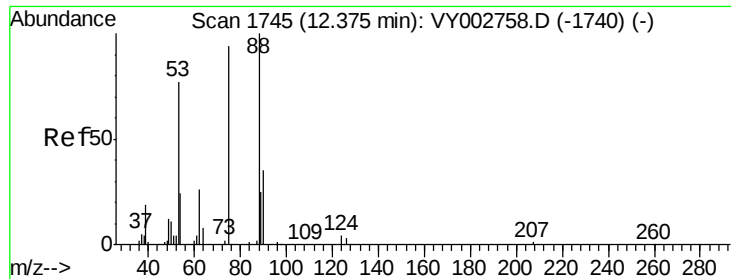
77 1.4 0.0 0.0#



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: 84.368 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002854.D

Acq: 05 Jun 2020 17:25

Instrument :

MSVOA_Y

ClientSampleId :

VOC

Tot Ion: 75 Resp: 104994

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.1 37.4 56.2#

