

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003300.D
 Acq On : 22 Jul 2020 19:57
 Operator : SY/MD
 Sample : L3308-16
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 16

Quant Time: Jul 23 05:45:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	387845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	598388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	557826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	273590	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	195370	59.68	ug/l	0.00
Spiked Amount			Recovery	=	119.36%	
35) Dibromofluoromethane	7.72	113	186458	54.15	ug/l	0.00
Spiked Amount			Recovery	=	108.30%	
50) Toluene-d8	10.18	98	729986	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
62) 4-Bromofluorobenzene	12.48	95	238320	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

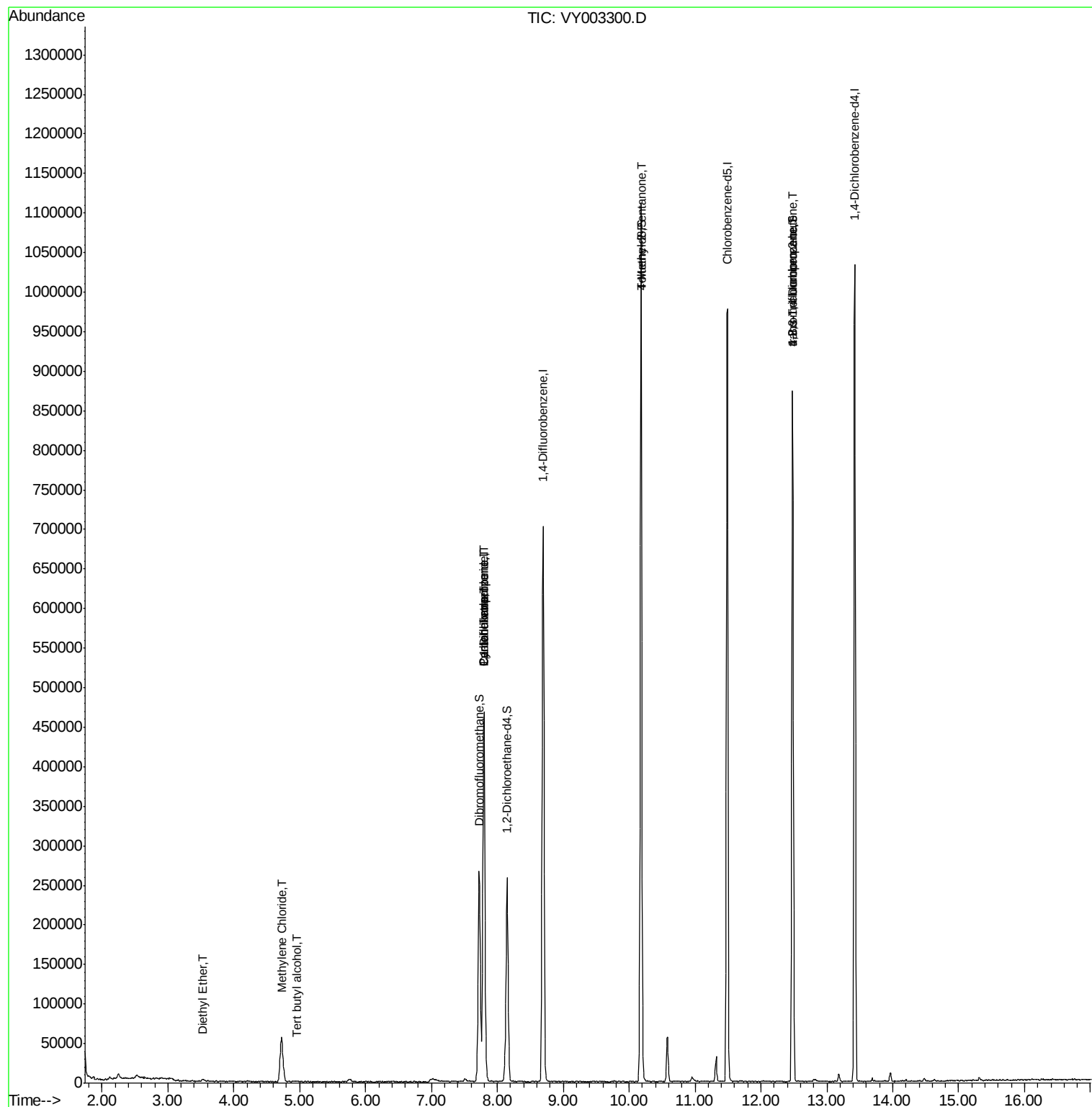
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.52	74	2186	1.155	ug/l	94
11) Tert butyl alcohol	4.95	59	555	1.568	ug/l #	72
20) Methylene Chloride	4.73	84	43904	7.233	ug/l	88
31) Cyclohexane	7.79	56	7102	1.193	ug/l #	2
36) 1,1-Dichloropropene	7.80	75	27766	5.120	ug/l #	49
38) Carbon Tetrachloride	7.80	117	34787	6.213	ug/l #	16
51) 4-Methyl-2-Pentanone	10.17	43	2958	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	118669	49.001	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	118669	95.366	ug/l #	13

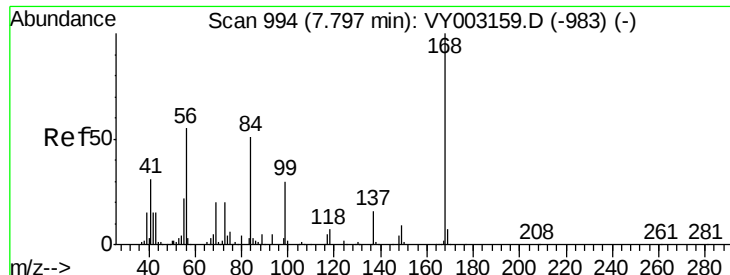
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 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: VY003300.D

Acq: 22 Jul 2020 19:57

Instrument :

MSVOA_Y

ClientSampleId :

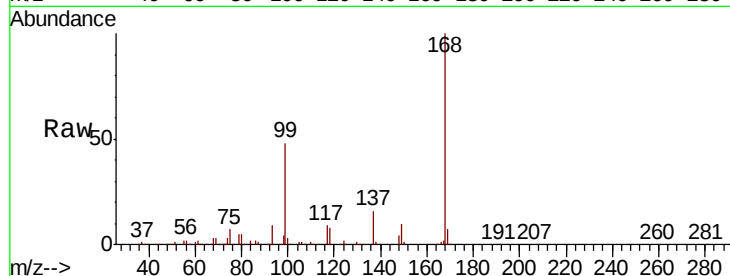
16

Tot Ion:168 Resp: 387845

Ion Ratio Lower Upper

168 100

99 48.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003300.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003300.D (-945) (-)

7.80

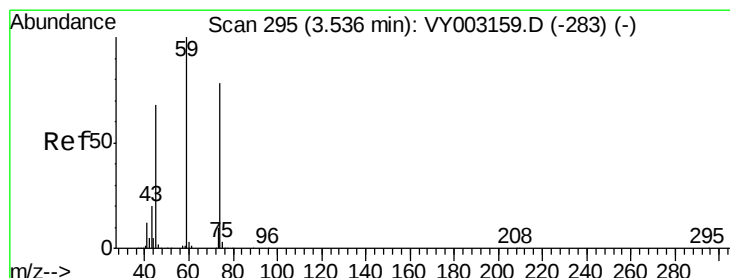
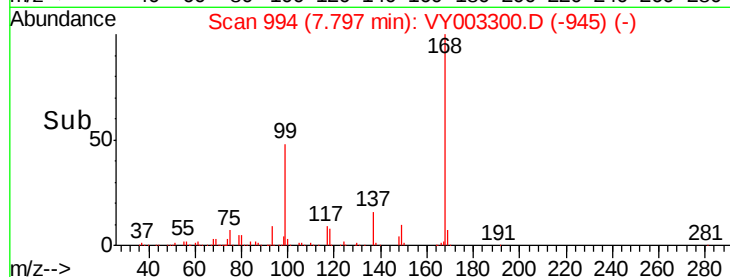
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.155 ug/l

RT: 3.52 min Scan# 293

Delta R.T. -0.01 min

Lab File: VY003300.D

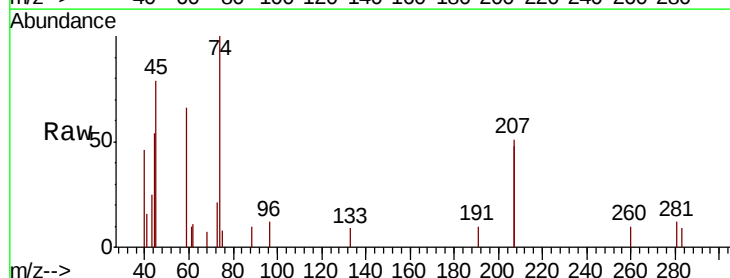
Acq: 22 Jul 2020 19:57

Tgt Ion: 74 Resp: 2186

Ion Ratio Lower Upper

74 100

45 96.2 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003300.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003300.D (-246) (-)

3.52

1200

1000

800

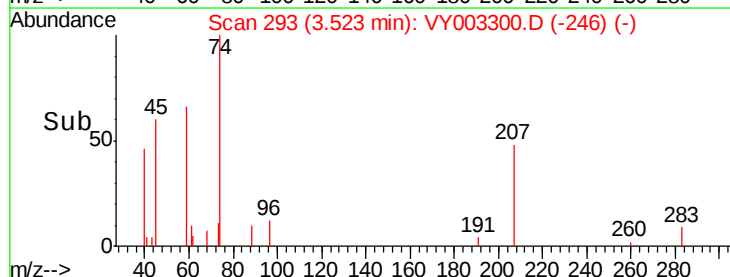
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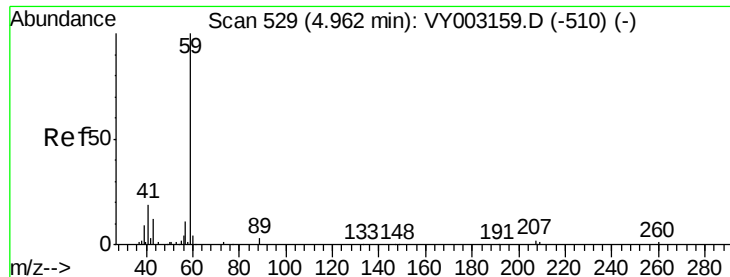
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200

0

Time-->



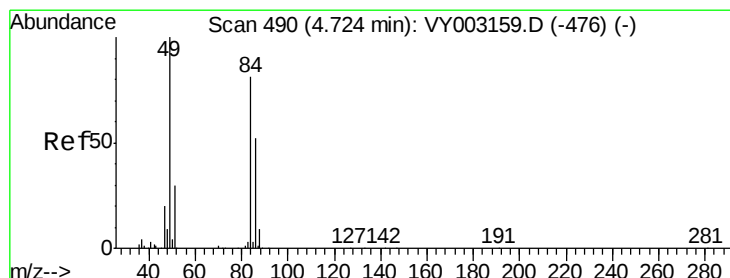
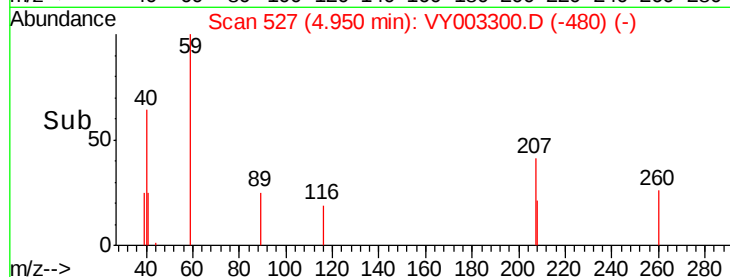
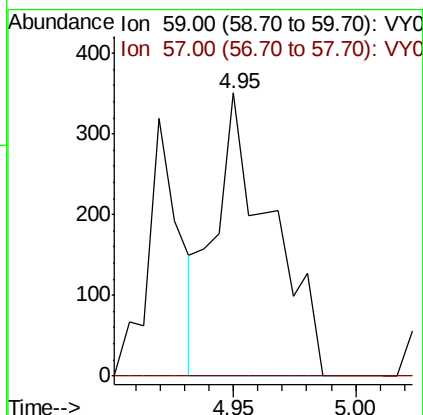
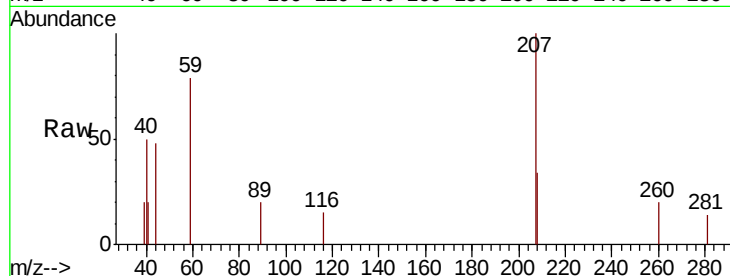


#11

Tert butyl alcohol
Concen: 1.568 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.01 min
Lab File: VY003300.D
Acq: 22 Jul 2020 19:57

Instrument :
MSVOA_Y
ClientSampleId :
16

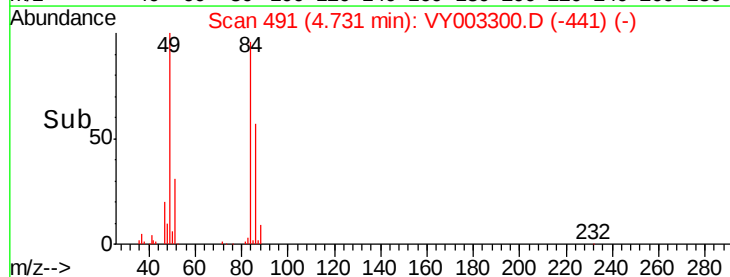
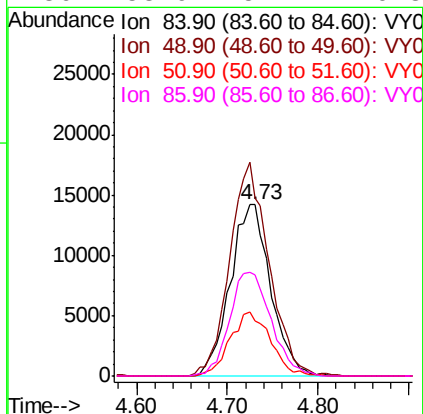
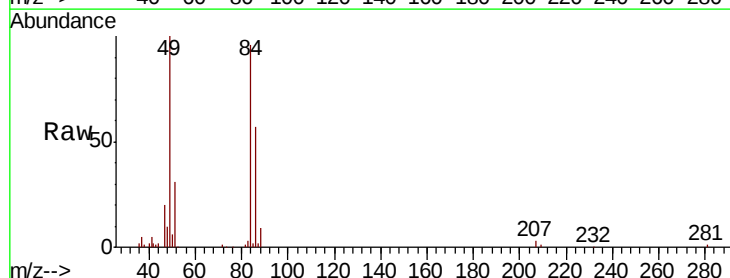
Tot Ion: 59 Resp: 555
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

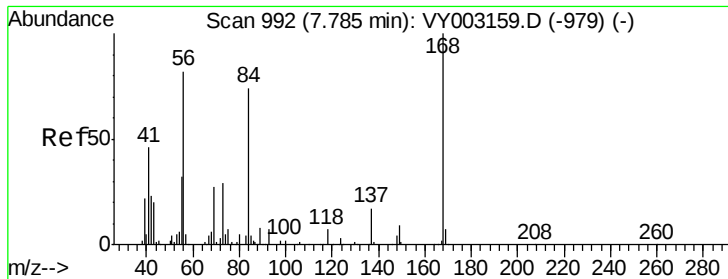


#20

Methylene Chloride
Concen: 7.233 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003300.D
Acq: 22 Jul 2020 19:57

Tgt Ion: 84 Resp: 43904
Ion Ratio Lower Upper
84 100
49 103.9 98.2 147.4
51 32.4 29.8 44.6
86 58.9 51.2 76.8

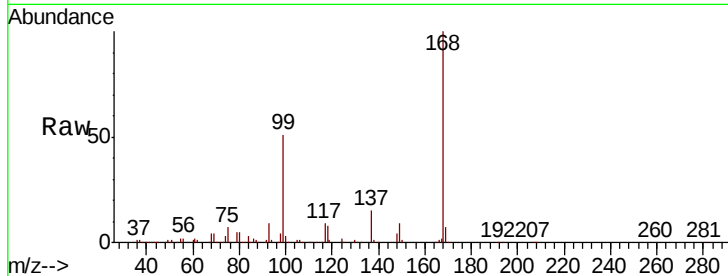




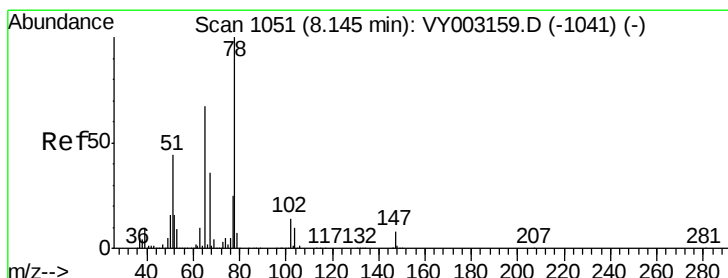
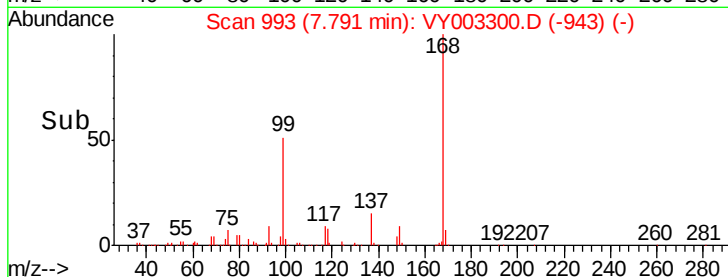
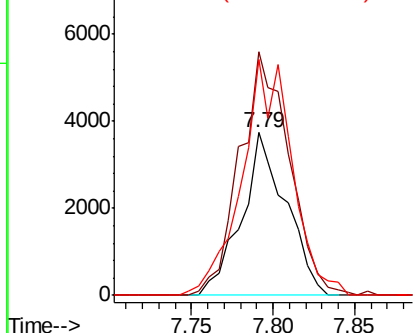
#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003300.D
Acq: 22 Jul 2020 19:57

Instrument :
MSVOA_Y
ClientSampleId :
16

Tot Ion: 56 Resp: 7102
Ion Ratio Lower Upper
56 100
69 149.5 26.7 40.1#
84 146.5 72.3 108.5#

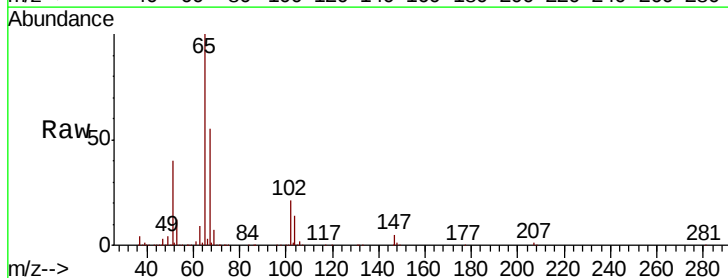


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

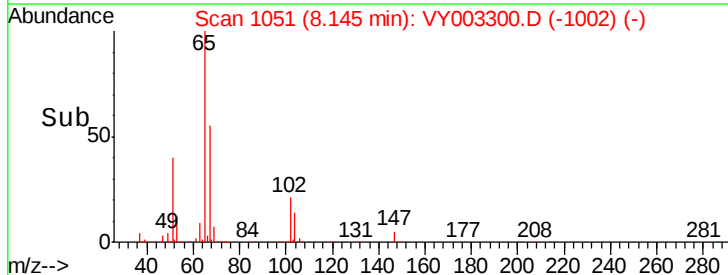
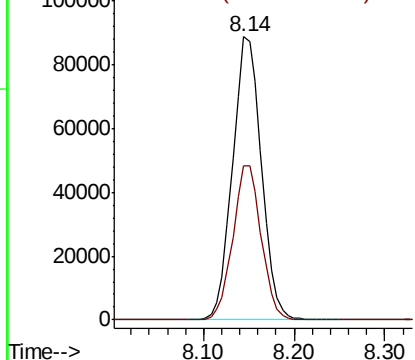


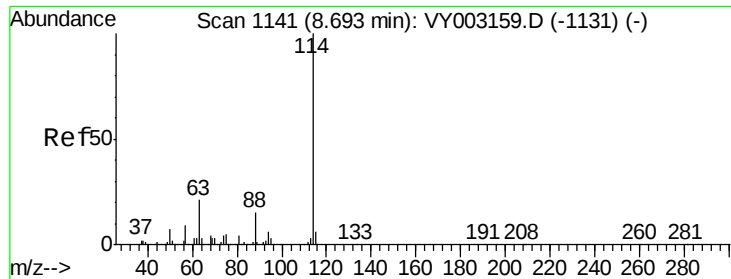
#33
1,2-Dichloroethane-d4
Concen: 59.681 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY003300.D
Acq: 22 Jul 2020 19:57

Tgt Ion: 65 Resp: 195370
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.2



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

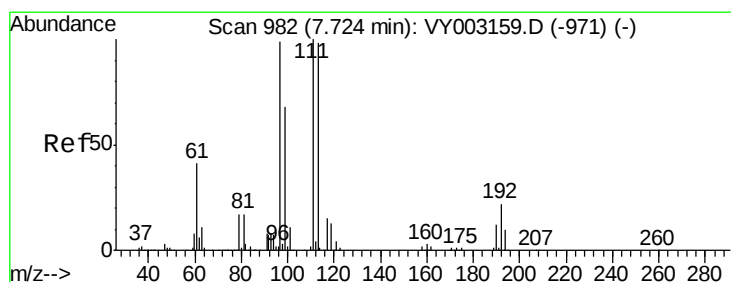
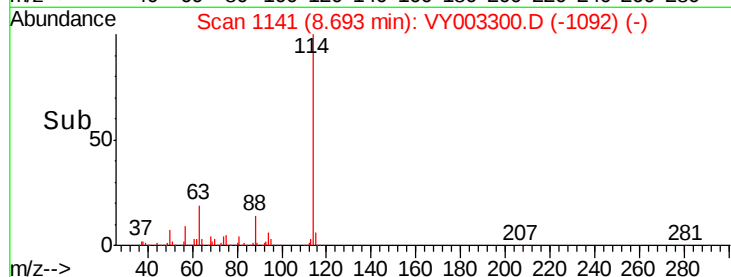
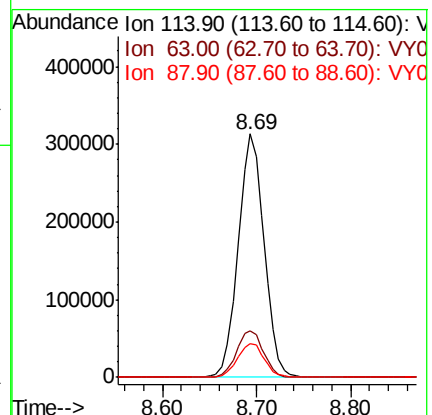
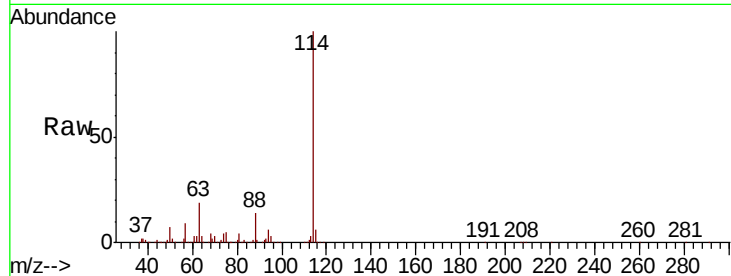




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003300.D
 Acq: 22 Jul 2020 19:57

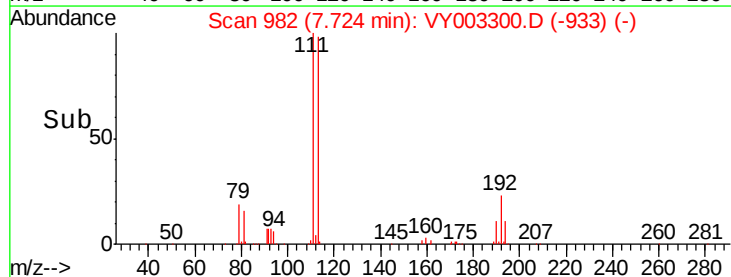
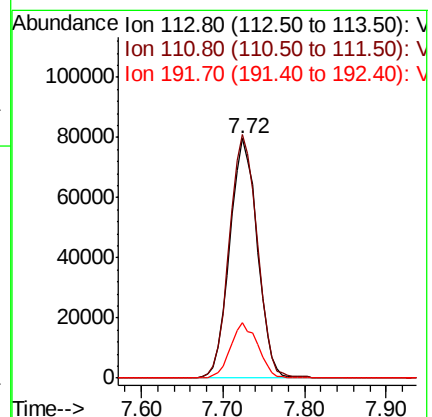
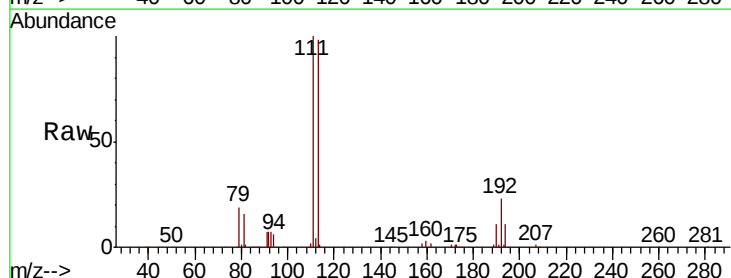
Instrument :
 MSVOA_Y
 ClientSampleId :
 16

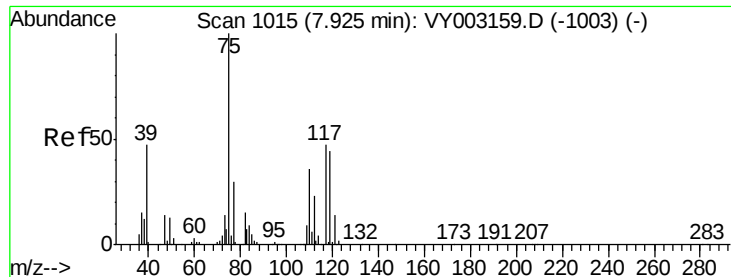
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	41.2
88	13.9	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 54.147 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003300.D
 Acq: 22 Jul 2020 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.1	123.1
192	22.8	18.8	28.2





#36

1,1-Dichloropropene

Concen: 5.120 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY003300.D

Acq: 22 Jul 2020 19:57

Instrument :

MSVOA_Y

ClientSampleId :

16

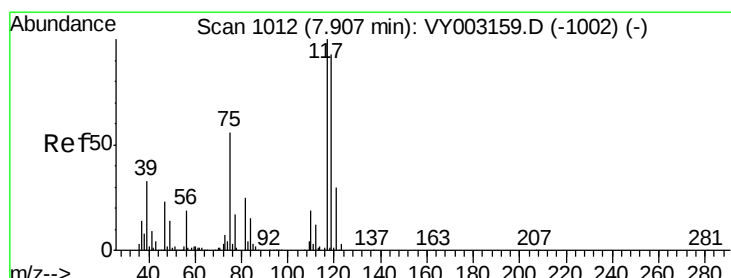
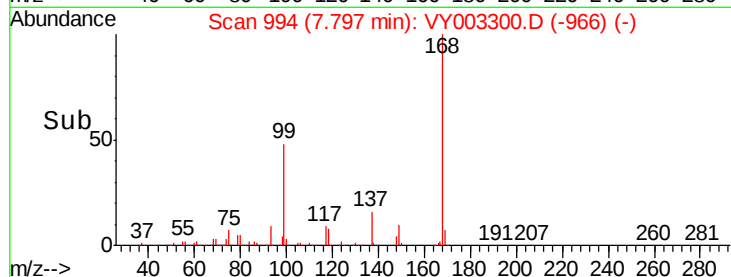
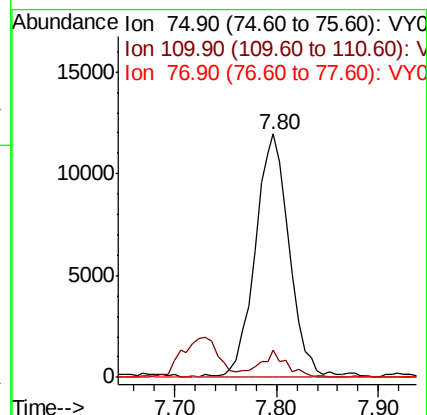
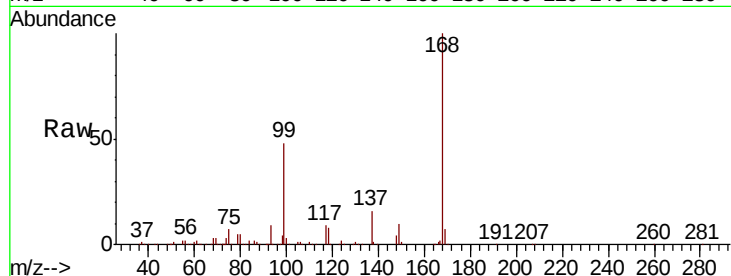
Tot Ion: 75 Resp: 27766

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.1#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.213 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003300.D

Acq: 22 Jul 2020 19:57

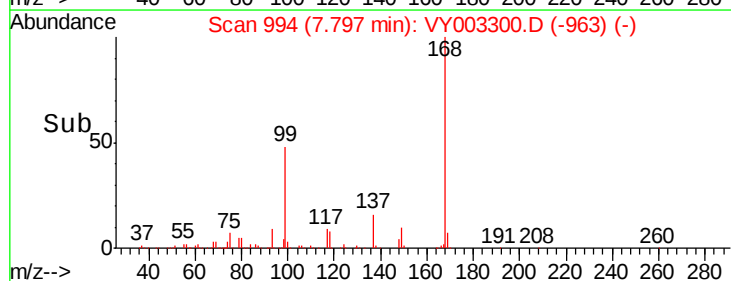
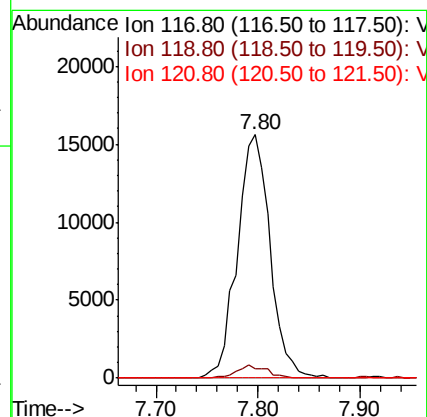
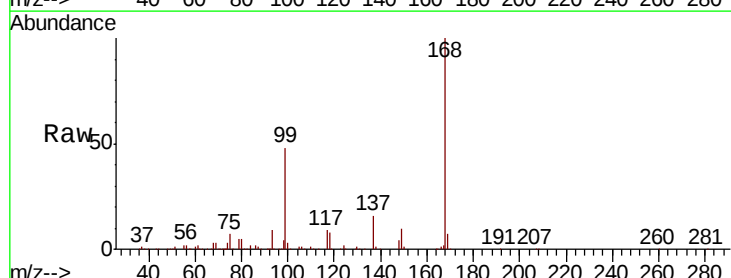
Tgt Ion: 117 Resp: 34787

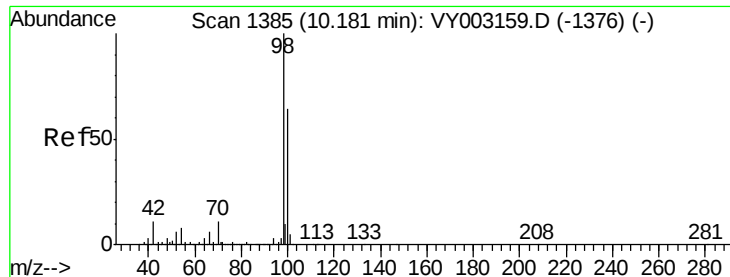
Ion Ratio Lower Upper

117 100

119 3.9 74.5 111.7#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 57.018 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003300.D

Acq: 22 Jul 2020 19:57

Instrument :

MSVOA_Y

ClientSampleId :

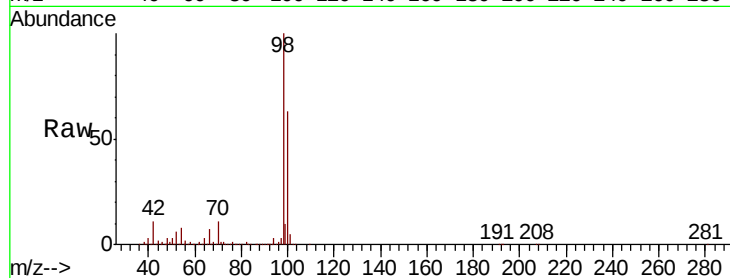
16

Tot Ion: 98 Resp: 729986

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY003159.D (-1376) (-)

Ion 100.00 (99.70 to 100.70): VY003159.D (-1376) (-)

10.18

400000

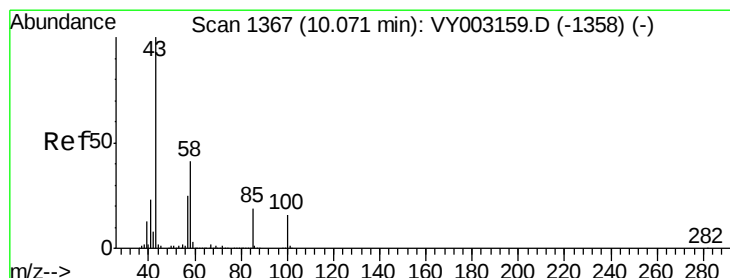
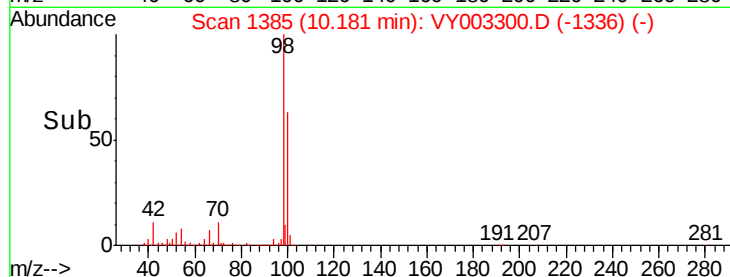
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.007 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003300.D

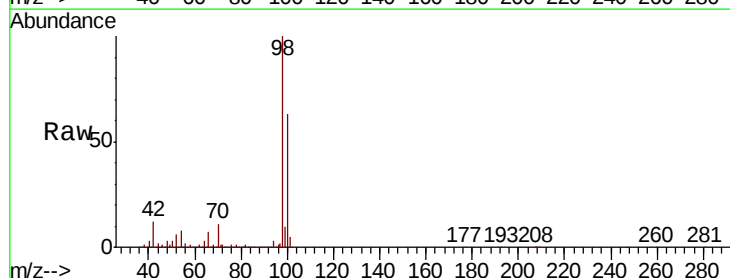
Acq: 22 Jul 2020 19:57

Tgt Ion: 43 Resp: 2958

Ion Ratio Lower Upper

43 100

58 197.0 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VY003159.D (-1358) (-)

Ion 58.00 (57.70 to 58.70): VY003159.D (-1358) (-)

4000

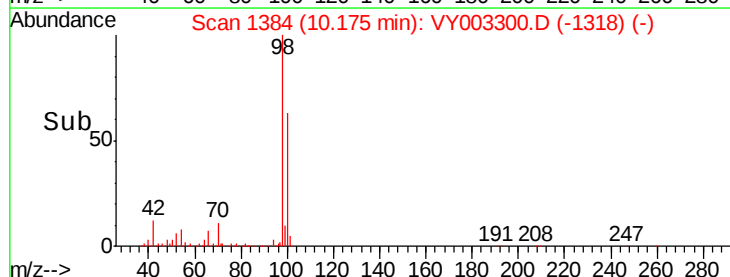
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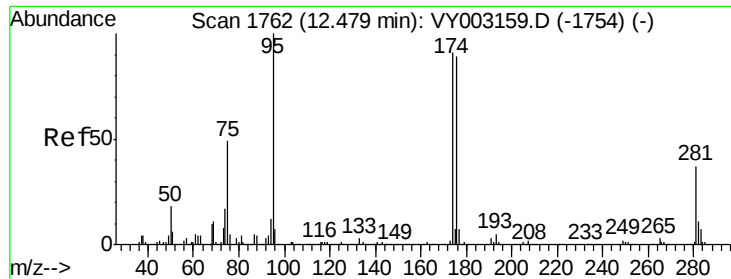
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 51.528 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003300.D

Acq: 22 Jul 2020 19:57

Instrument :

MSVOA_Y

ClientSampleId :

16

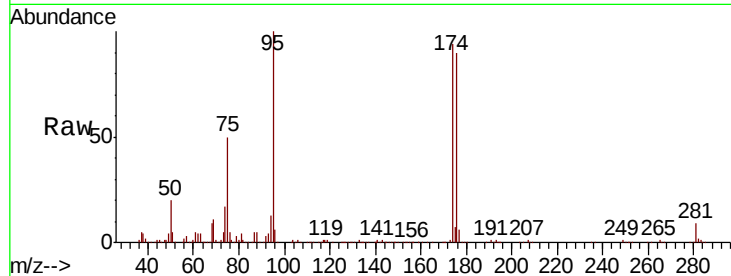
Tot Ion: 95 Resp: 238320

Ion Ratio Lower Upper

95 100

174 95.0 0.0 190.6

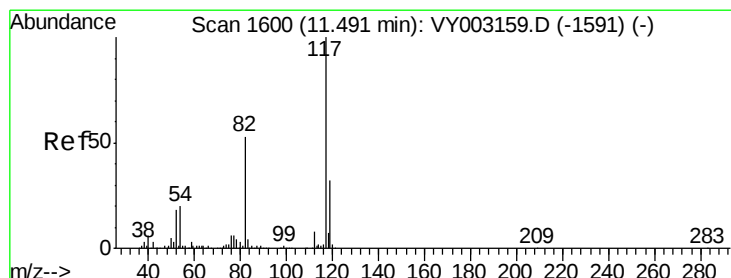
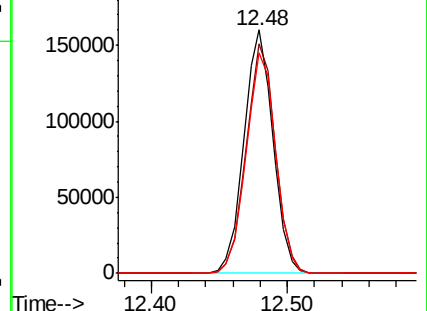
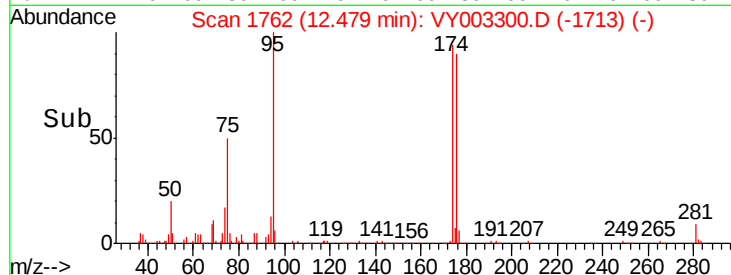
176 92.3 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003300.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003300.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003300.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003300.D

Acq: 22 Jul 2020 19:57

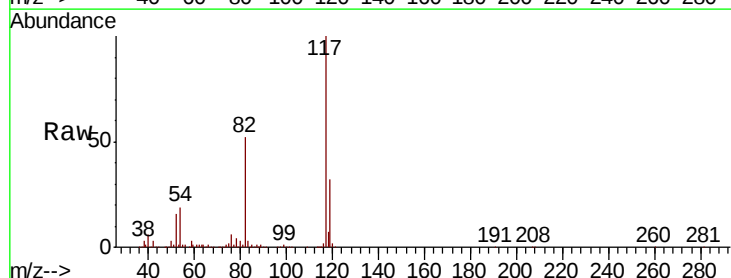
Tgt Ion: 117 Resp: 557826

Ion Ratio Lower Upper

117 100

82 51.5 42.0 63.0

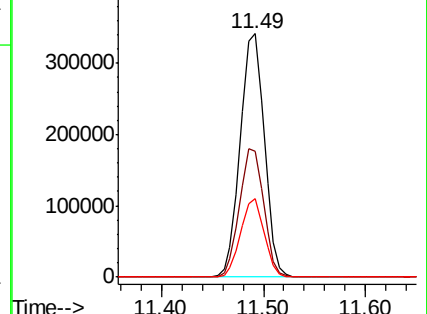
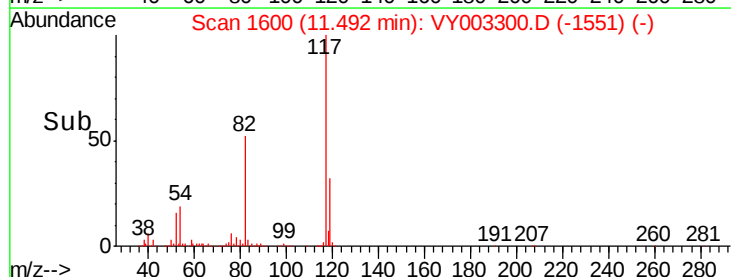
119 32.1 25.5 38.3

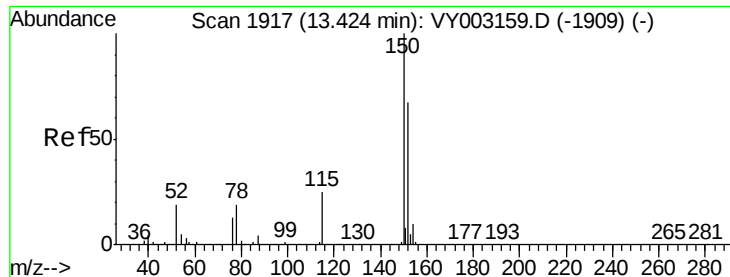


Abundance Ion 116.90 (116.60 to 117.60): VY003300.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003300.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003300.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: VY003300.D

Acq: 22 Jul 2020 19:57

Instrument :

MSVOA_Y

ClientSampleId :

16

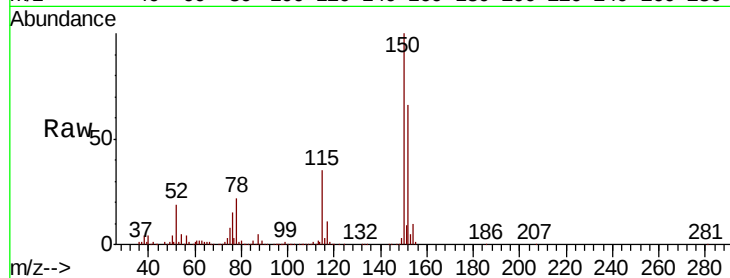
Tot Ion:152 Resp: 273590

Ion Ratio Lower Upper

152 100

115 54.3 26.9 80.7

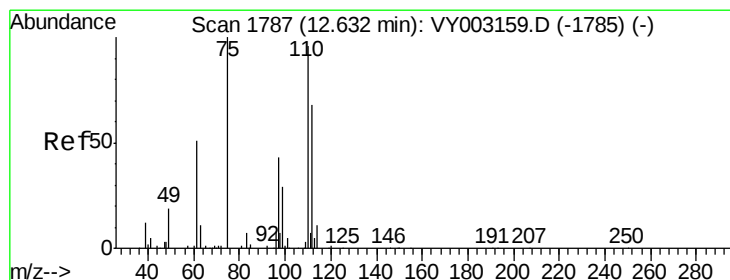
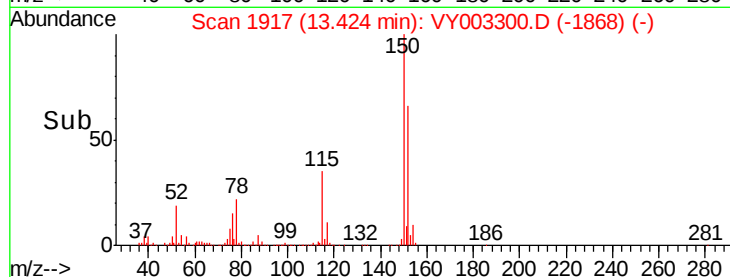
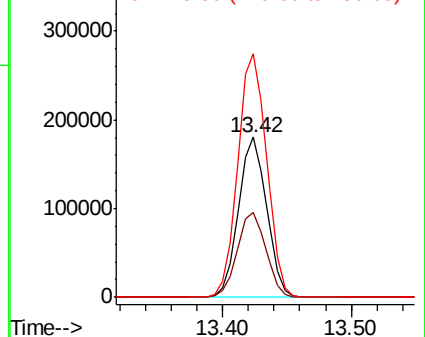
150 155.5 0.0 338.0



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: 49.001 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003300.D

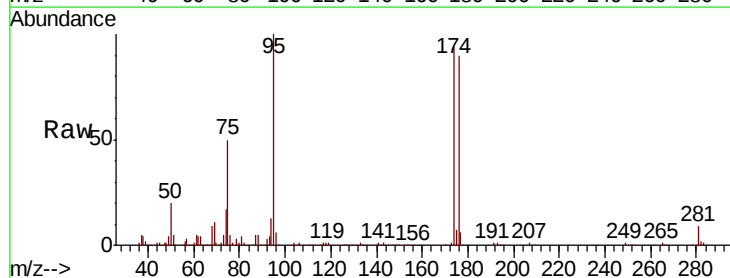
Acq: 22 Jul 2020 19:57

Tgt Ion: 75 Resp: 118669

Ion Ratio Lower Upper

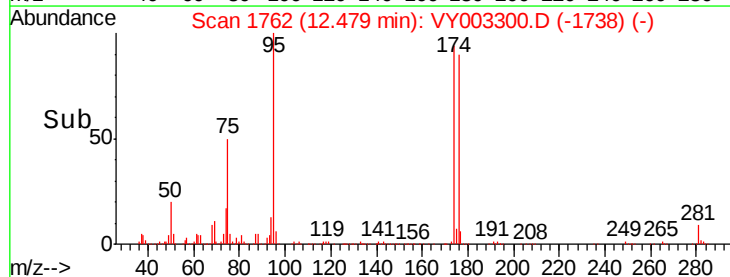
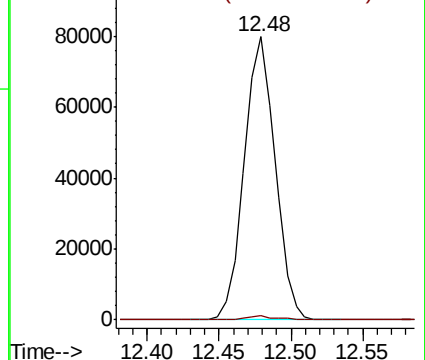
75 100

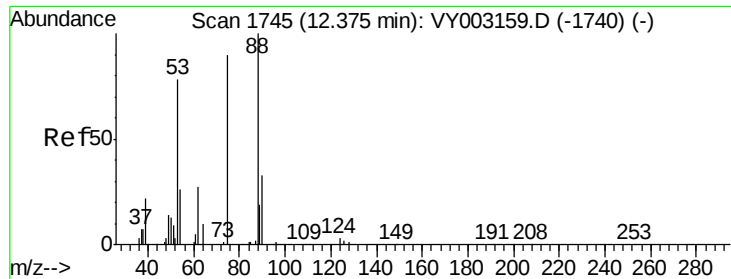
77 1.3 0.0 0.0#



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: 95.366 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003300.D

Acq: 22 Jul 2020 19:57

Instrument :

MSVOA_Y

ClientSampleId :

16

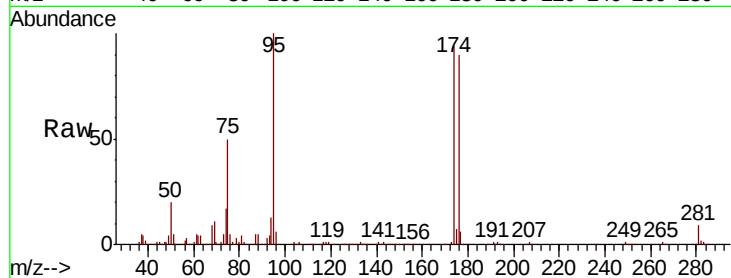
Tot Ion: 75 Resp: 118669

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.2 37.3 55.9#



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

