

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003303.D
 Acq On : 22 Jul 2020 21:09
 Operator : SY/MD
 Sample : L3308-19
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 19

Quant Time: Jul 23 05:45:47 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

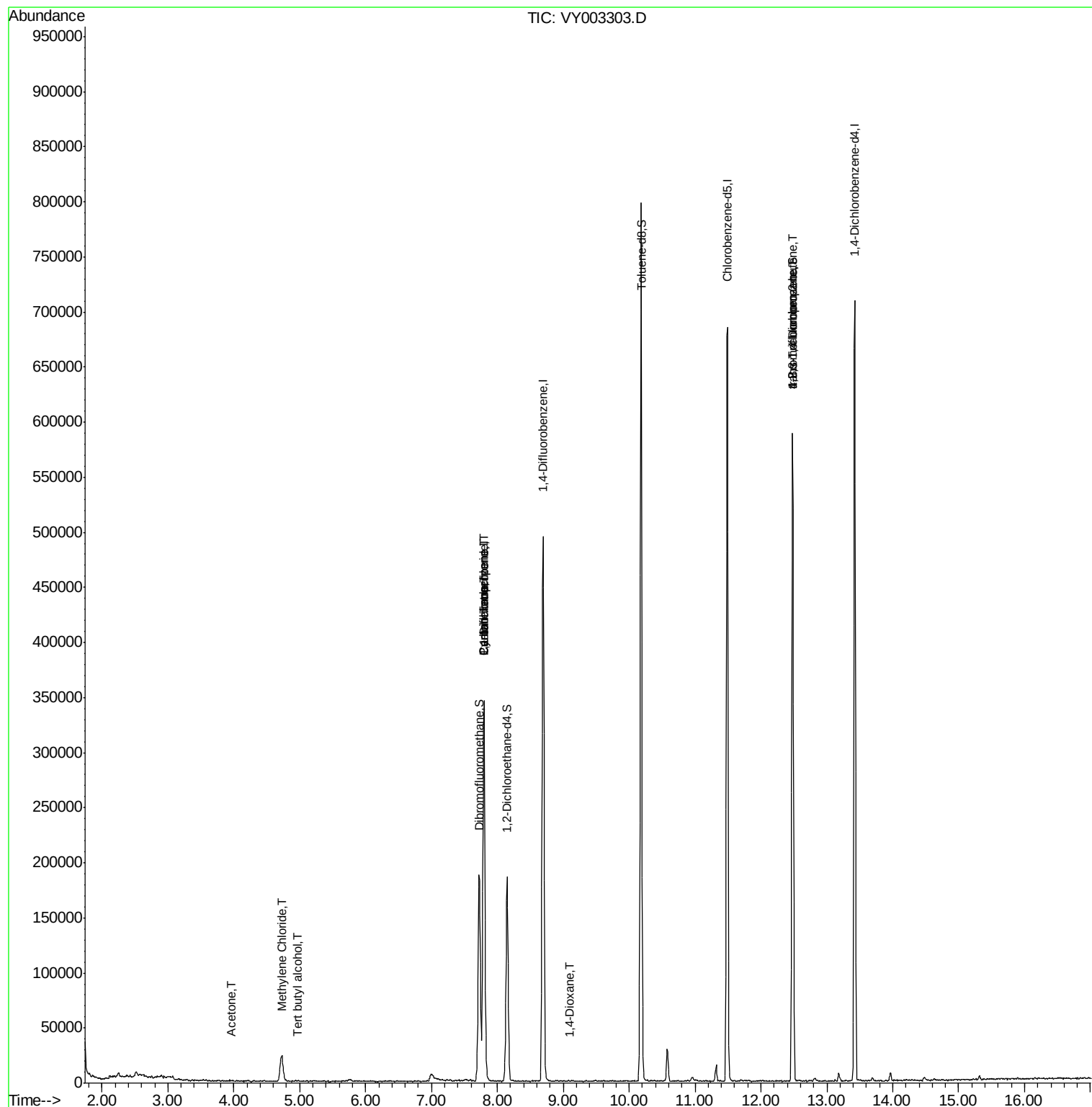
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	424865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	389548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	186264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	146370	62.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.90%	
35) Dibromofluoromethane	7.72	113	136008	55.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.26%	
50) Toluene-d8	10.18	98	511466	56.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.54%	
62) 4-Bromofluorobenzene	12.48	95	161453	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.97	59	477	1.882	ug/l #	72
16) Acetone	3.96	43	606	1.158	ug/l #	59
20) Methylene Chloride	4.74	84	18720	1.811	ug/l #	85
31) Cyclohexane	7.80	56	5340	1.253	ug/l #	12
36) 1,1-Dichloropropene	7.79	75	19232	4.994	ug/l #	50
38) Carbon Tetrachloride	7.80	117	24269	6.105	ug/l #	18
49) 1,4-Dioxane	9.10	88	78	3.835	ug/l #	28
76) 1,2,3-Trichloropropane	12.48	75	81309	49.315	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	81309	95.977	ug/l #	13

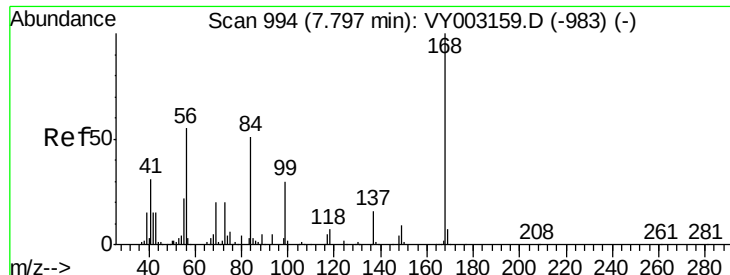
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003303.D

Acq: 22 Jul 2020 21:09

Instrument :

MSVOA_Y

ClientSampleId :

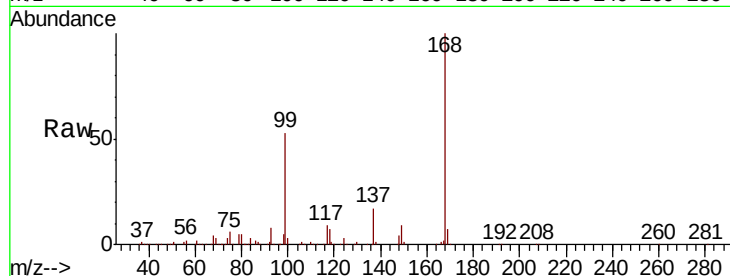
19

Tot Ion:168 Resp: 277677

Ion Ratio Lower Upper

168 100

99 53.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003303.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003303.D (-945) (-)

7.80

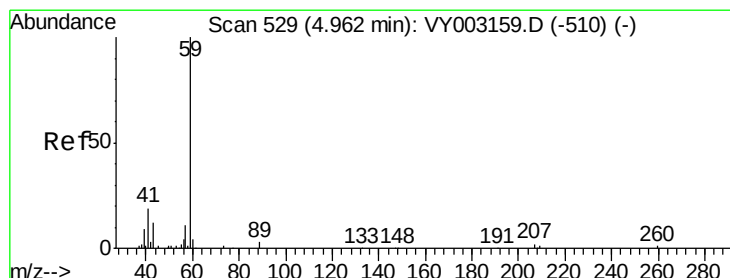
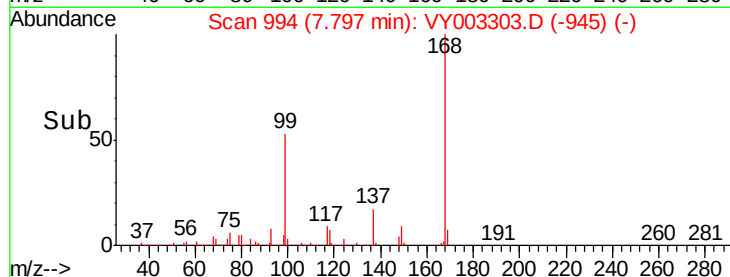
100000

50000

0

7.70 7.80 7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.882 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003303.D

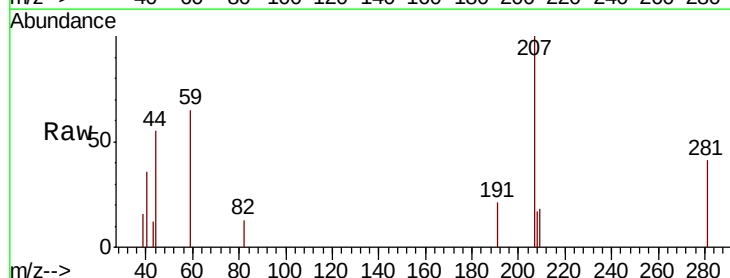
Acq: 22 Jul 2020 21:09

Tgt Ion: 59 Resp: 477

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003303.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003303.D (-480) (-)

4.97

300

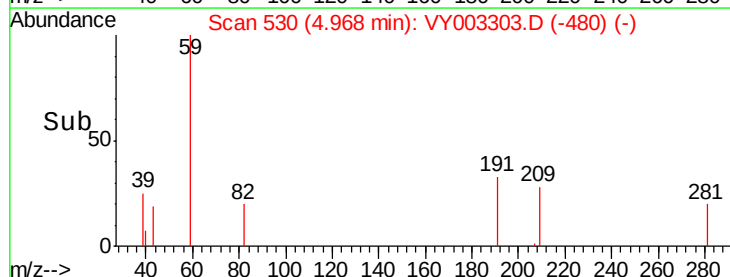
200

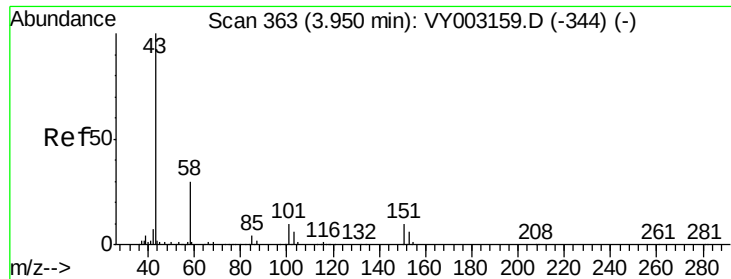
100

0

4.94 4.96 4.98 5.00 5.02

Time-->

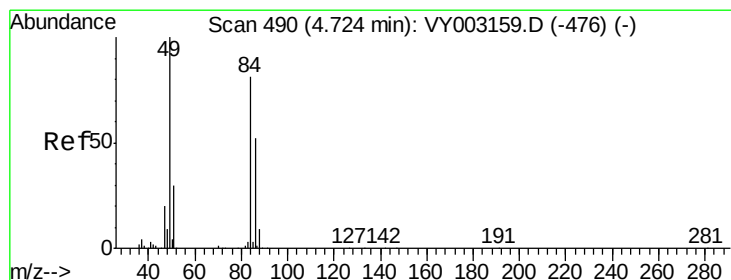
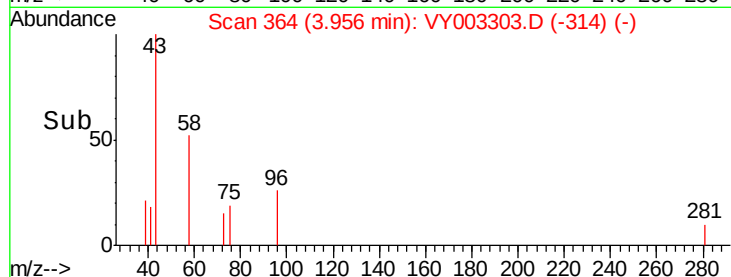
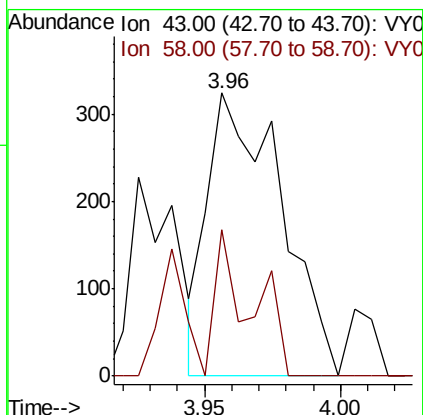
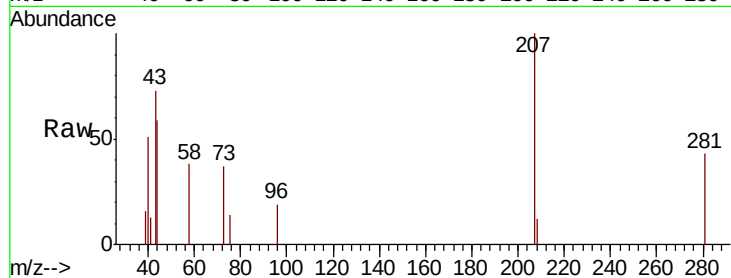




#16
Acetone
Concen: 1.158 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003303.D
Acq: 22 Jul 2020 21:09

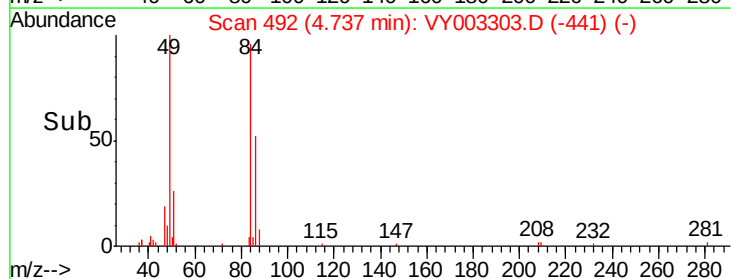
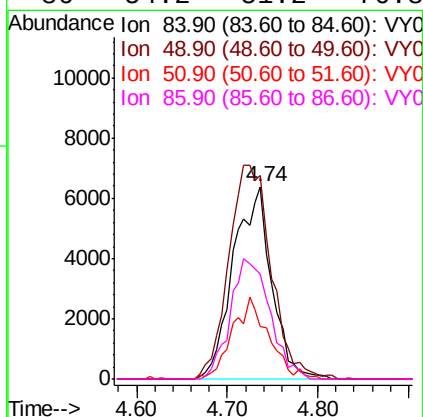
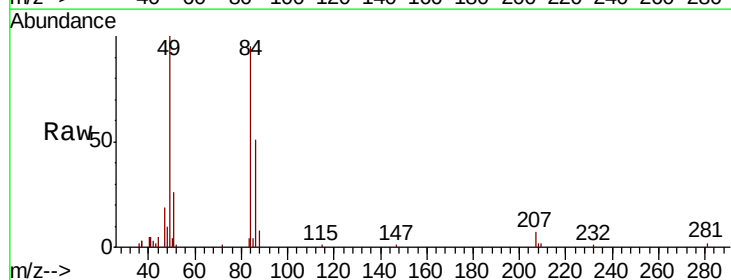
Instrument :
MSVOA_Y
ClientSampleId :
19

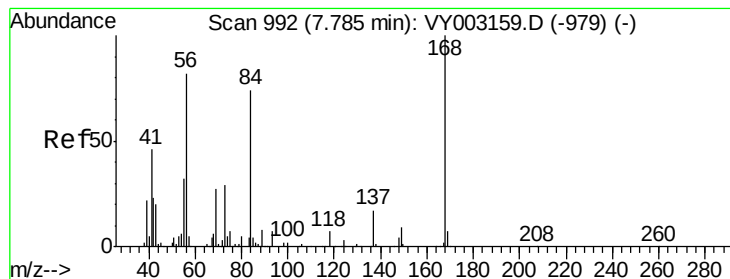
Tot Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
58 51.9 23.8 35.6#



#20
Methylene Chloride
Concen: 1.811 ug/l
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY003303.D
Acq: 22 Jul 2020 21:09

Tgt Ion: 84 Resp: 18720
Ion Ratio Lower Upper
84 100
49 105.4 98.2 147.4
51 27.2 29.8 44.6#
86 54.2 51.2 76.8





#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003303.D

Acq: 22 Jul 2020 21:09

Instrument :

MSVOA_Y

ClientSampleId :

19

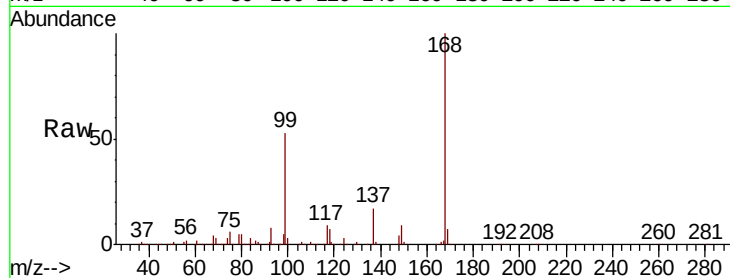
Tot Ion: 56 Resp: 5340

Ion Ratio Lower Upper

56 100

69 147.6 26.7 40.1#

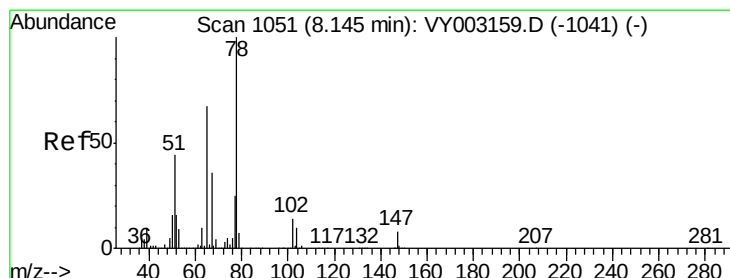
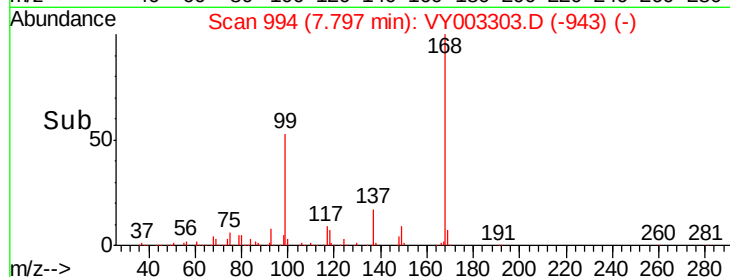
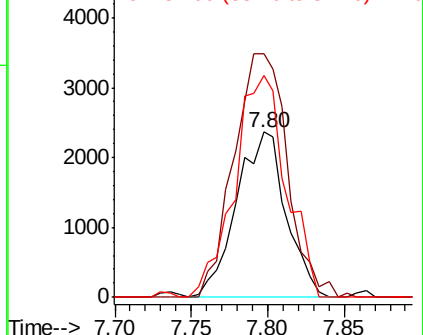
84 134.7 72.3 108.5#



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: 62.453 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003303.D

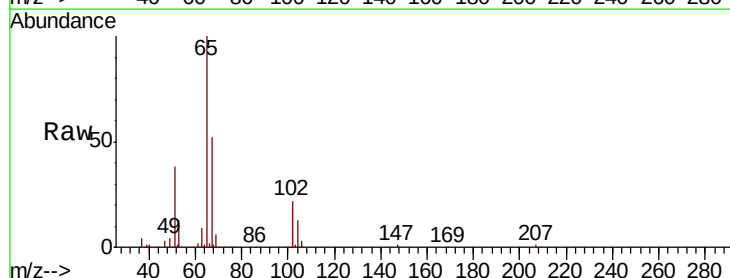
Acq: 22 Jul 2020 21:09

Tgt Ion: 65 Resp: 146370

Ion Ratio Lower Upper

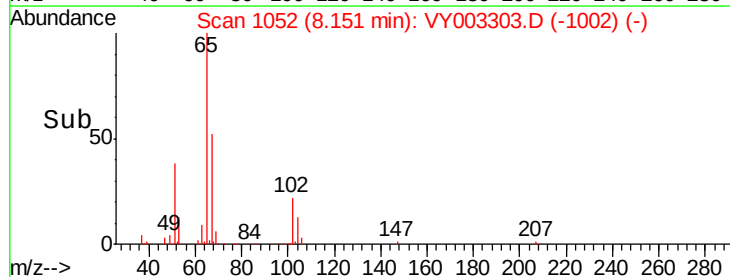
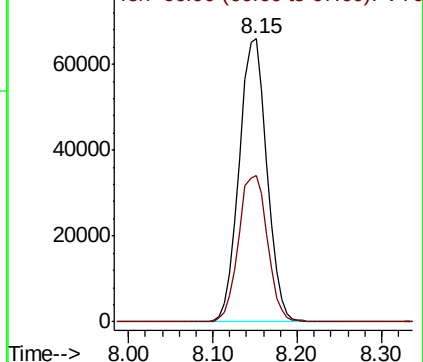
65 100

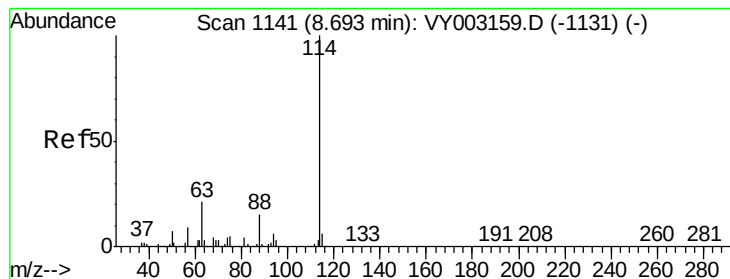
67 53.7 0.0 105.2



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: VY003303.D

Acq: 22 Jul 2020 21:09

Instrument :

MSVOA_Y

ClientSampleId :

19

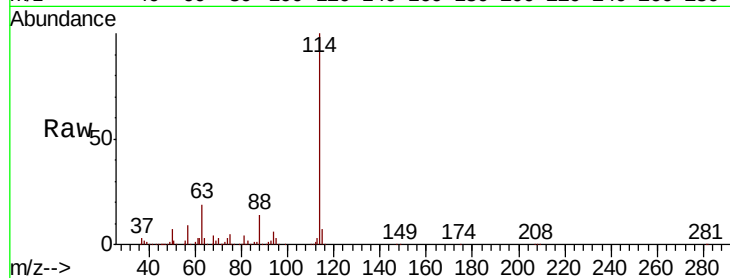
Tot Ion:114 Resp: 424865

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.2

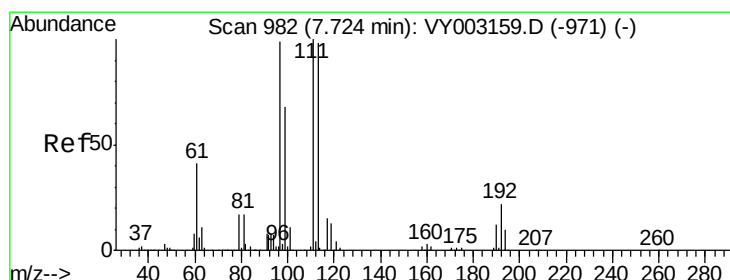
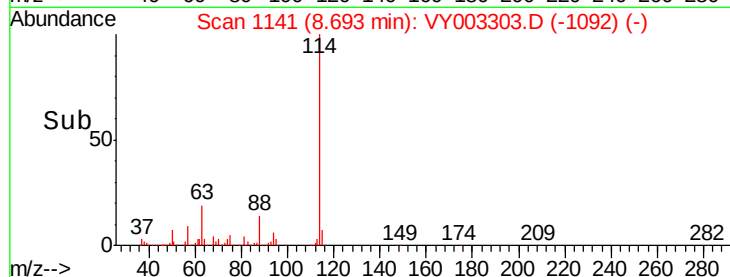
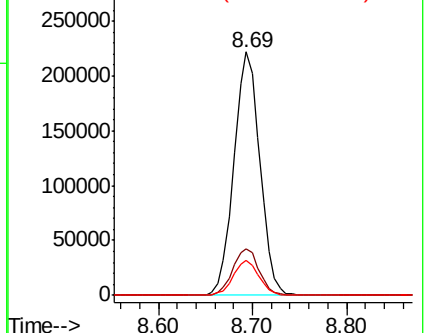
88 14.5 0.0 30.2



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: 55.627 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003303.D

Acq: 22 Jul 2020 21:09

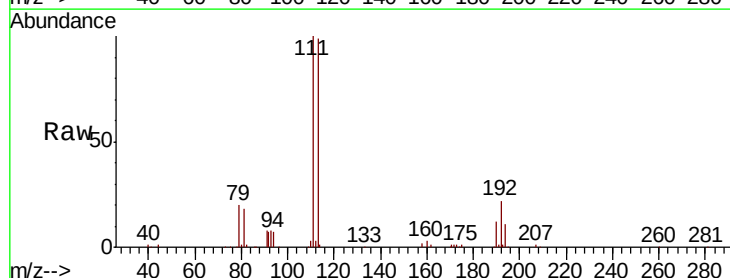
Tgt Ion:113 Resp: 136008

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

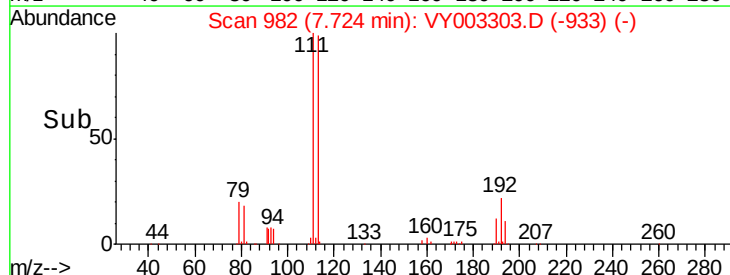
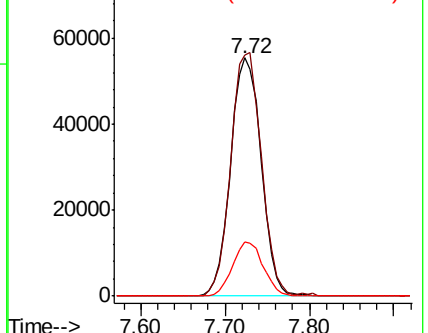
192 22.6 18.8 28.2

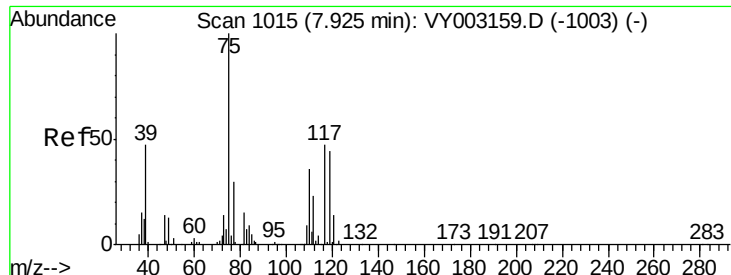


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

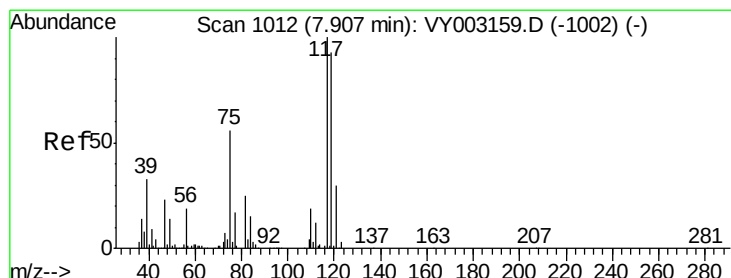
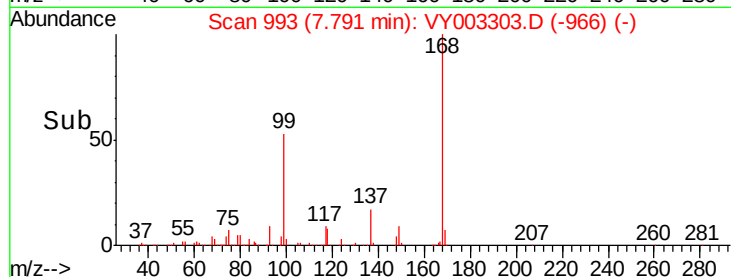
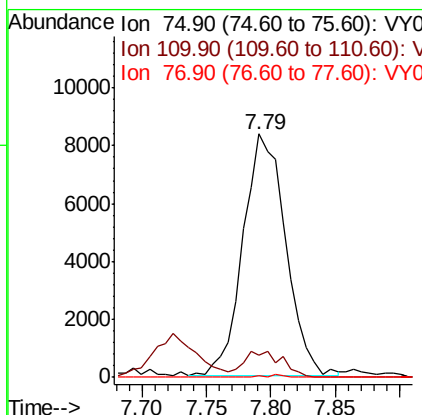
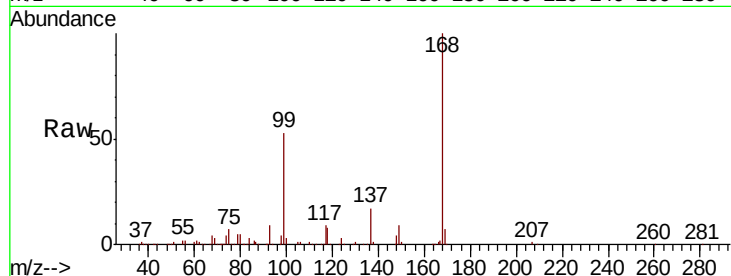




#36
 1,1-Dichloropropene
 Concen: 4.994 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003303.D
 Acq: 22 Jul 2020 21:09

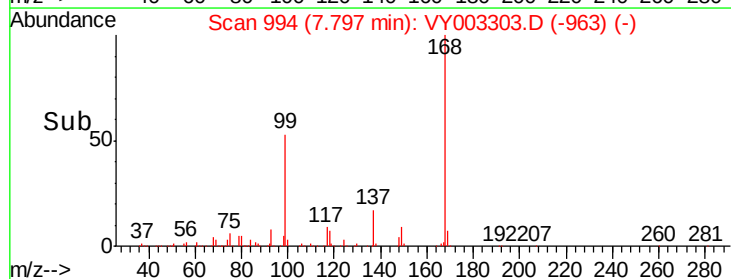
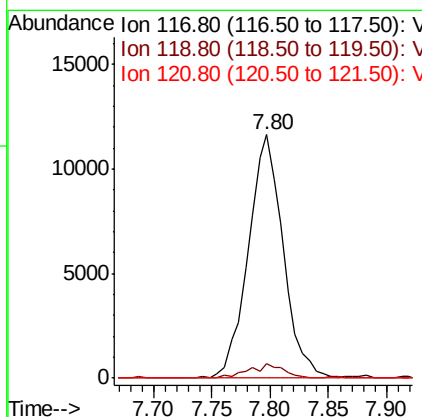
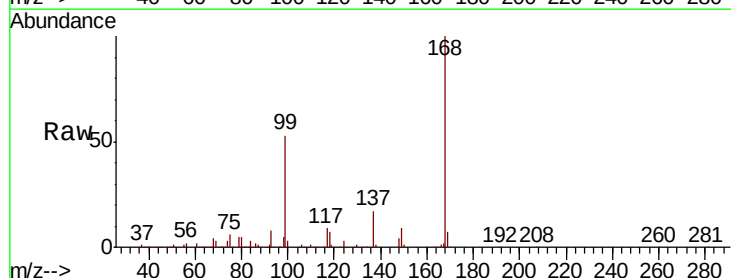
Instrument :
 MSVOA_Y
 ClientSampled :
 19

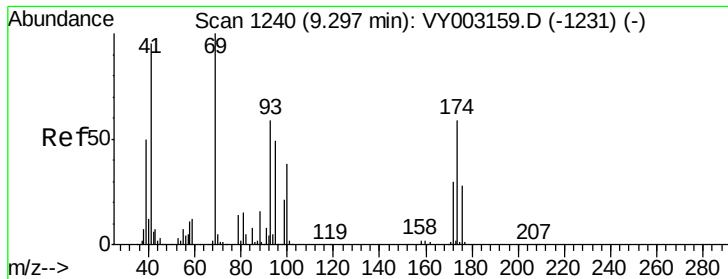
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.1#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.105 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.11 min
 Lab File: VY003303.D
 Acq: 22 Jul 2020 21:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	74.5	111.7#
121	0.0	24.2	36.2#

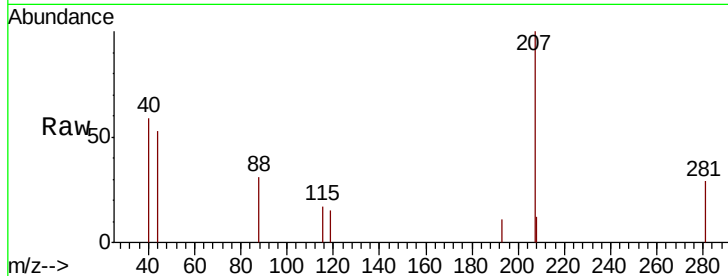




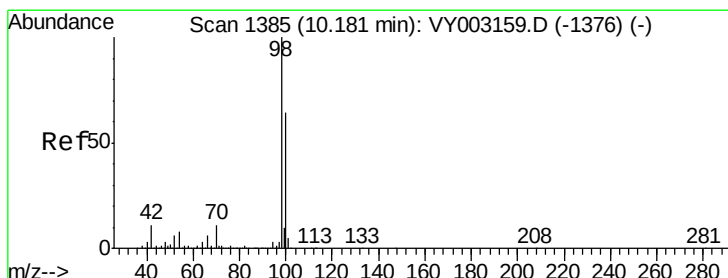
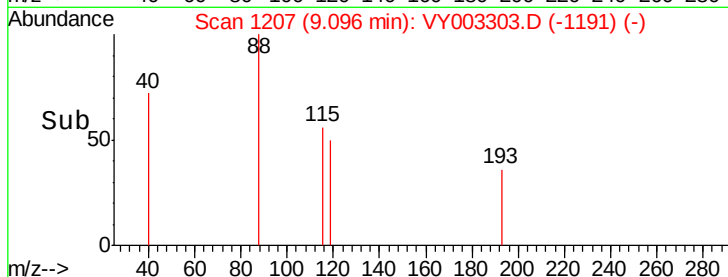
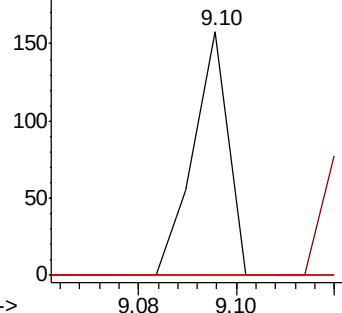
#49
 1,4-Dioxane
 Concen: 3.835 ug/l
 RT: 9.10 min Scan# 1207
 Delta R.T. -0.20 min
 Lab File: VY003303.D
 Acq: 22 Jul 2020 21:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 19

Tot Ion: 88 Resp: 78
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.6 38.4#
 58 0.0 47.8 71.6#

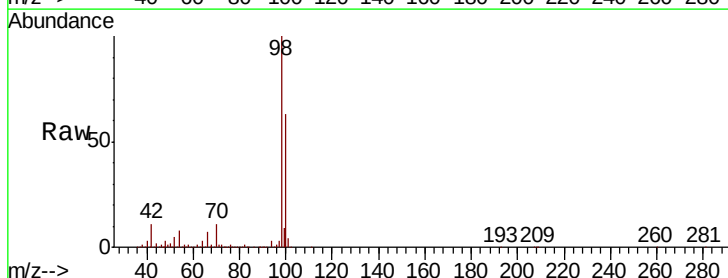


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

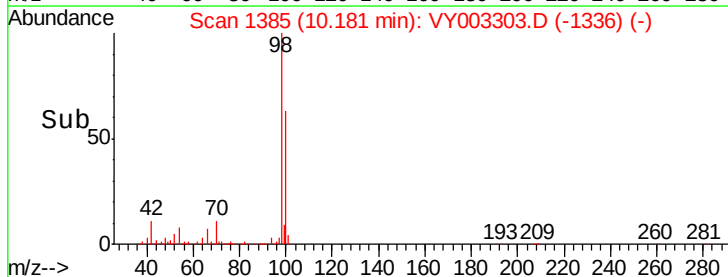
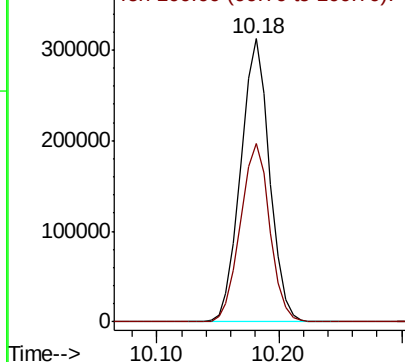


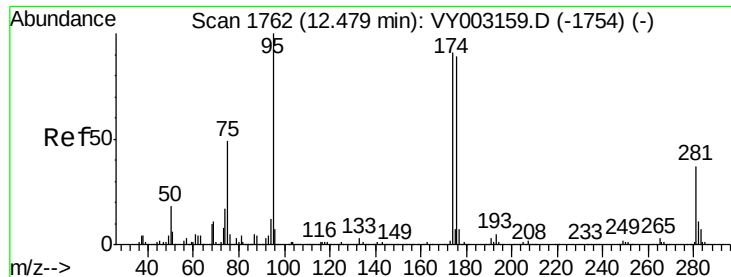
#50
 Toluene-d8
 Concen: 56.266 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003303.D
 Acq: 22 Jul 2020 21:09

Tgt Ion: 98 Resp: 511466
 Ion Ratio Lower Upper
 98 100
 100 64.2 50.7 76.1



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





#62

4-Bromofluorobenzene

Concen: 49.165 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003303.D

Acq: 22 Jul 2020 21:09

Instrument :

MSVOA_Y

ClientSampled :

19

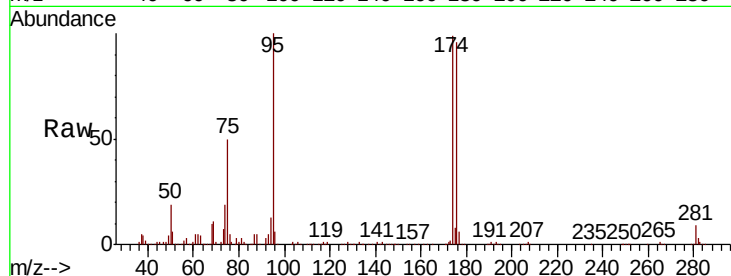
Tot Ion: 95 Resp: 161453

Ion Ratio Lower Upper

95 100

174 97.7 0.0 190.6

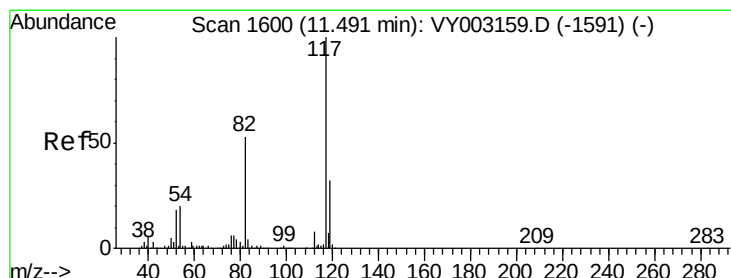
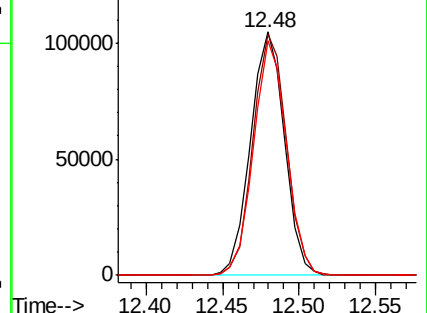
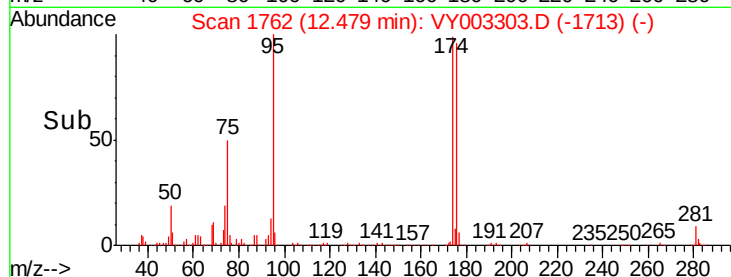
176 93.7 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003303.D (-1713) (-)

Ion 173.80 (173.50 to 174.50): VY003303.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY003303.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY003303.D

Acq: 22 Jul 2020 21:09

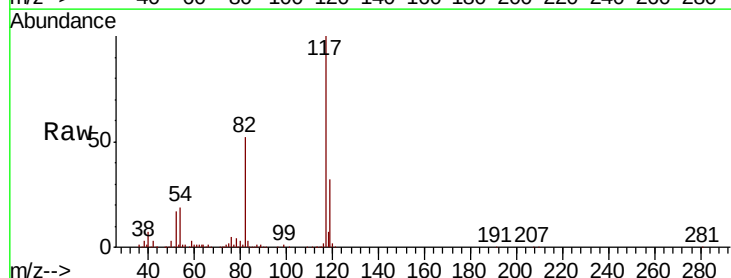
Tgt Ion: 117 Resp: 389548

Ion Ratio Lower Upper

117 100

82 51.8 42.0 63.0

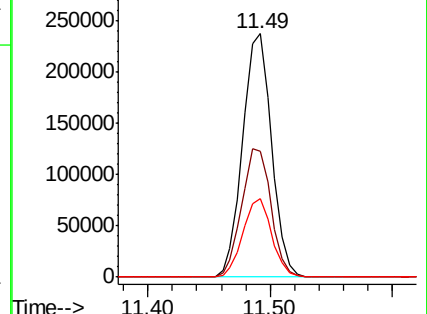
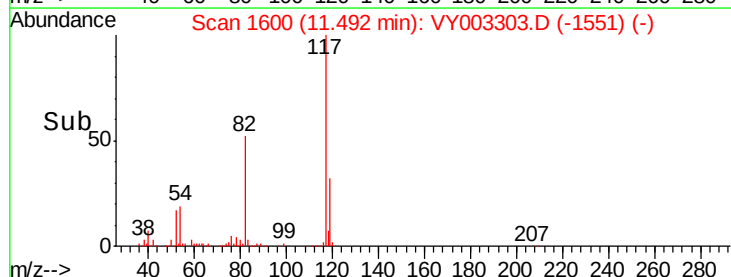
119 32.2 25.5 38.3

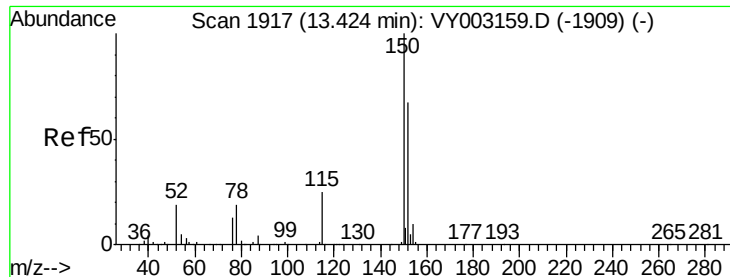


Abundance Ion 116.90 (116.60 to 117.60): VY003303.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY003303.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY003303.D (-1551) (-)

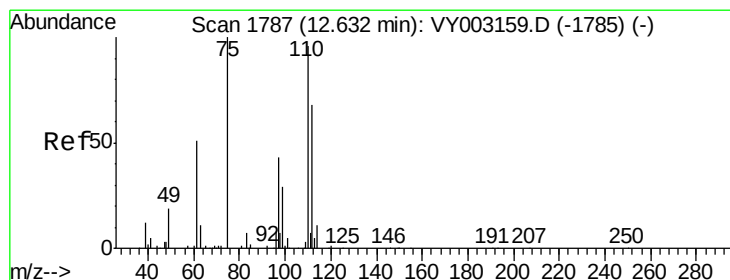
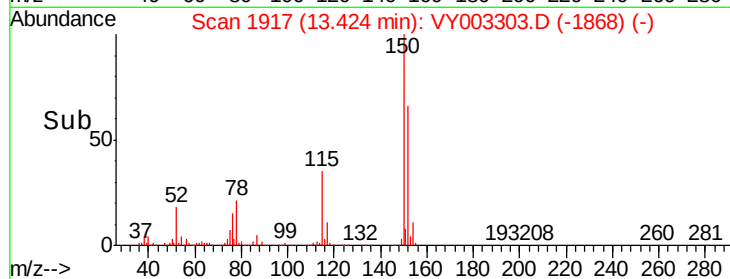
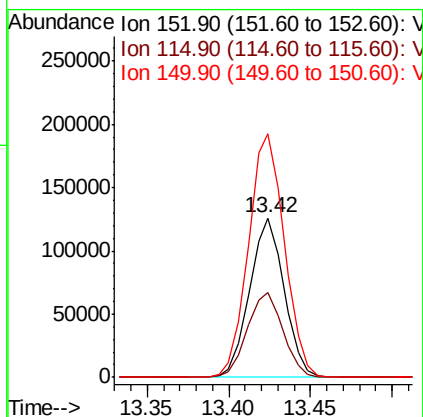
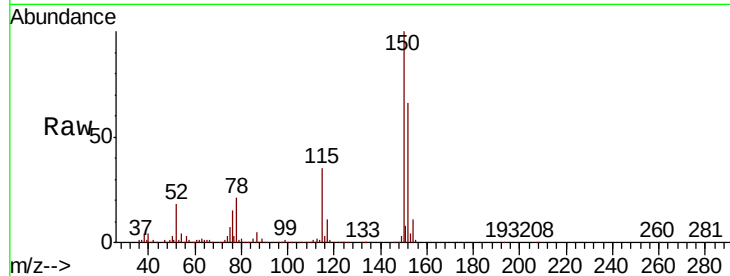




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VY003303.D
 Acq: 22 Jul 2020 21:09

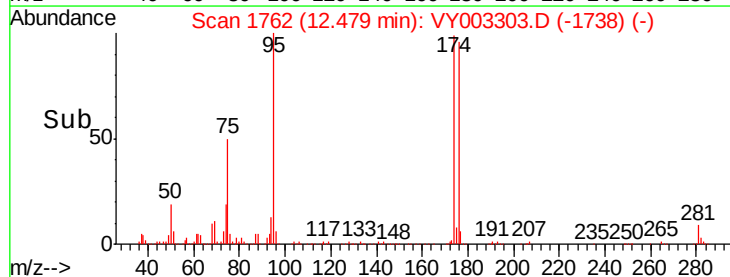
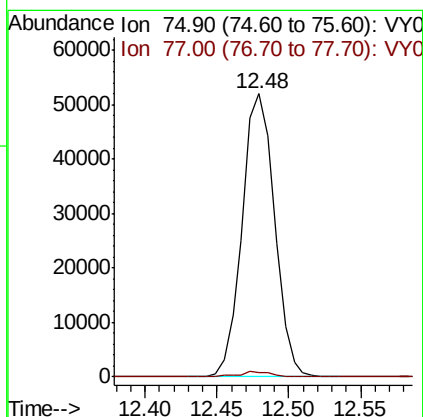
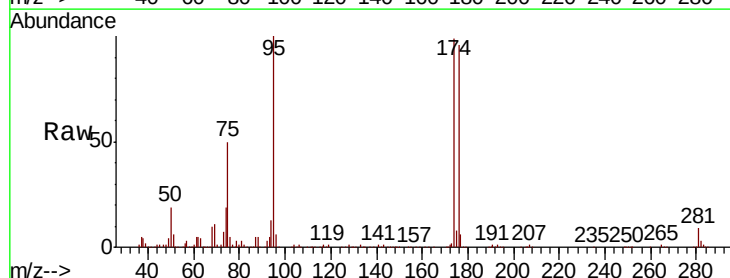
Instrument :
 MSVOA_Y
 ClientSampleId :
 19

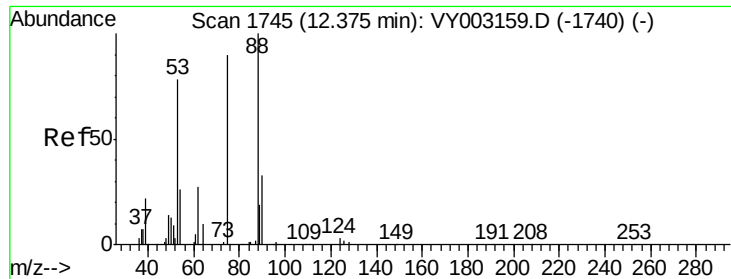
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.9	26.9	80.7
150	158.5	0.0	338.0



#76
 1,2,3-Trichloropropane
 Concen: 49.315 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY003303.D
 Acq: 22 Jul 2020 21:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.8	0.0	0.0#

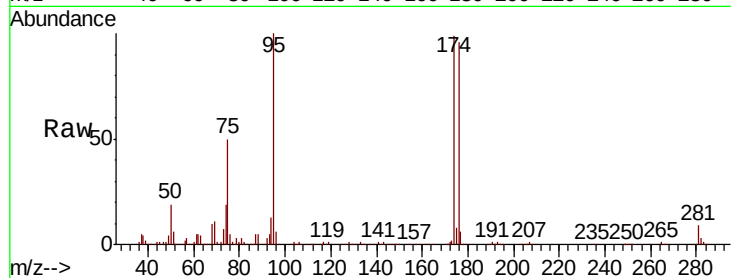




#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.977 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY003303.D
 Acq: 22 Jul 2020 21:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 19

Tot Ion: 75 Resp: 81309
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.0 108.0#
 89 0.1 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

