

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
 Data File : VY003301.D
 Acq On : 22 Jul 2020 20:21
 Operator : SY/MD
 Sample : L3308-17
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17RE

Quant Time: Jul 23 05:45:26 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	385149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	602911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	560416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	278166	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	199565	61.39	ug/l	0.00
Spiked Amount			Recovery	=	122.78%	
35) Dibromofluoromethane	7.72	113	189506	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
50) Toluene-d8	10.18	98	730861	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	
62) 4-Bromofluorobenzene	12.48	95	239098	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	

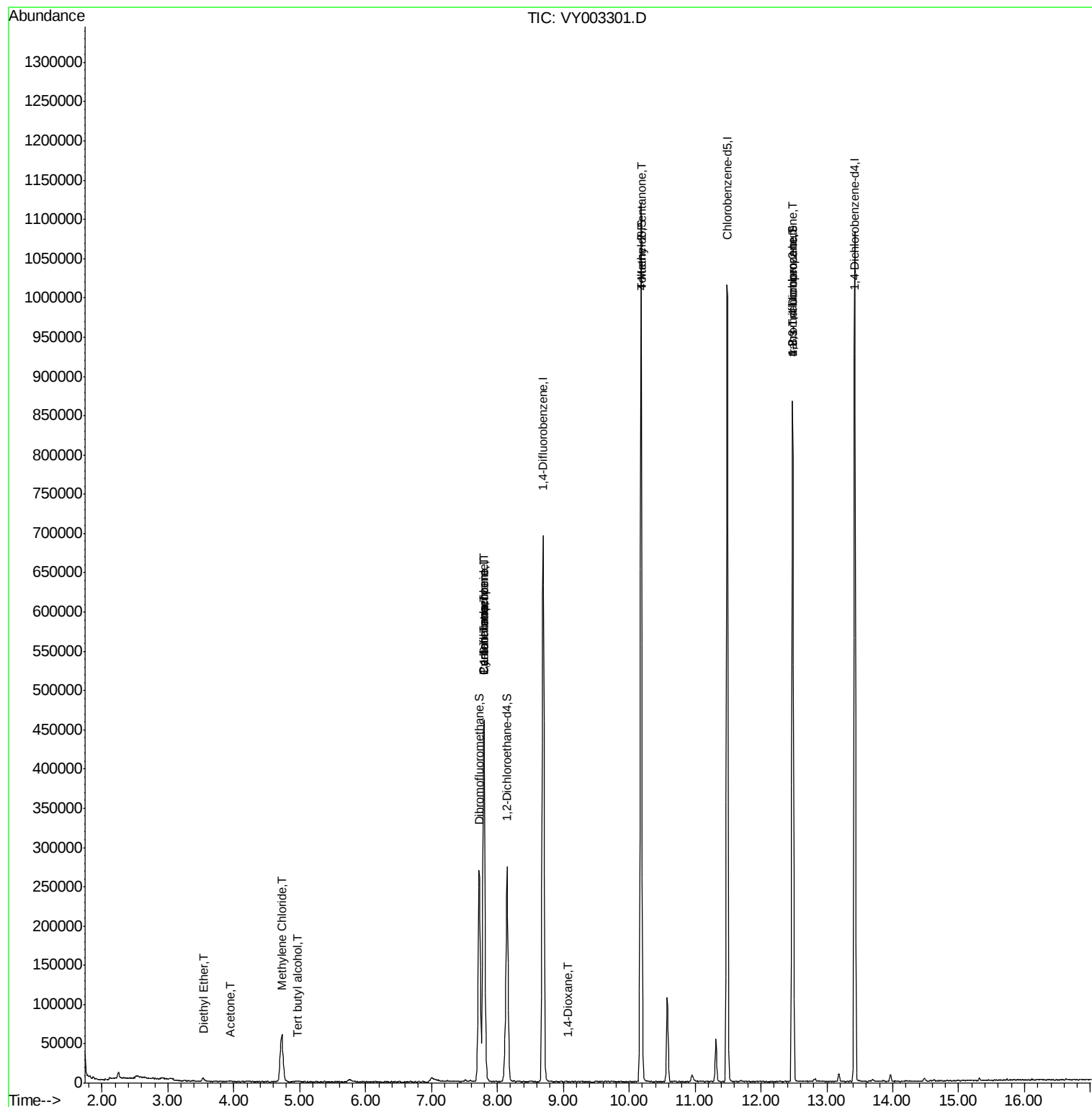
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2482	1.320	ug/l	74
11) Tert butyl alcohol	4.96	59	493	1.403	ug/l #	72
16) Acetone	3.96	43	765	1.054	ug/l #	59
20) Methylene Chloride	4.73	84	46085	7.998	ug/l	97
31) Cyclohexane	7.80	56	6792	1.149	ug/l #	9
36) 1,1-Dichloropropene	7.79	75	26734	4.892	ug/l #	50
38) Carbon Tetrachloride	7.80	117	34640	6.141	ug/l #	18
49) 1,4-Dioxane	9.07	88	86	2.980	ug/l #	42
51) 4-Methyl-2-Pentanone	10.17	43	3198	1.080	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	120368	48.885	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	120368	95.140	ug/l #	13

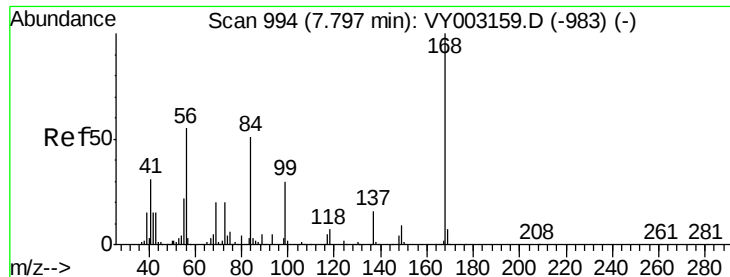
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072220\
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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: VY003301.D

Acq: 22 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampled :

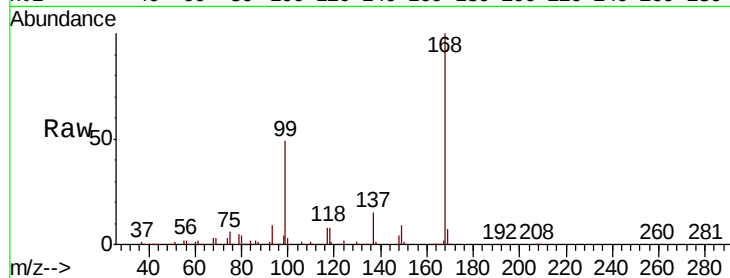
17RE

Tot Ion:168 Resp: 385149

Ion Ratio Lower Upper

168 100

99 49.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003301.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003301.D (-945) (-)

7.80

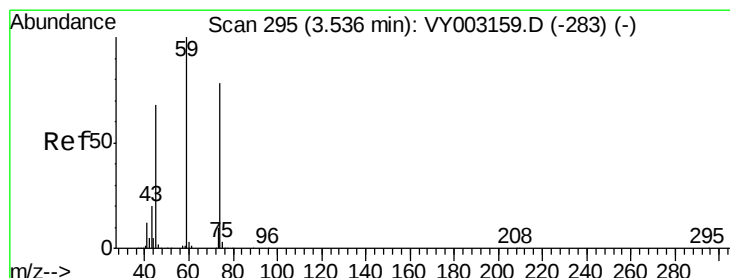
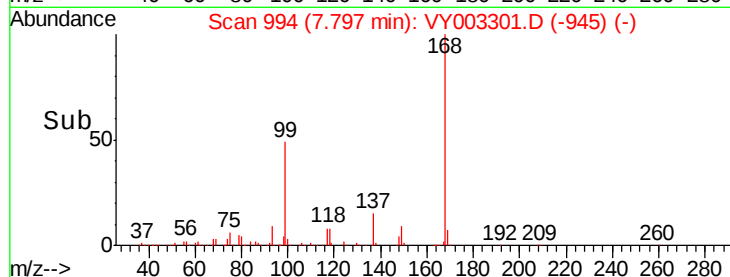
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 1.320 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003301.D

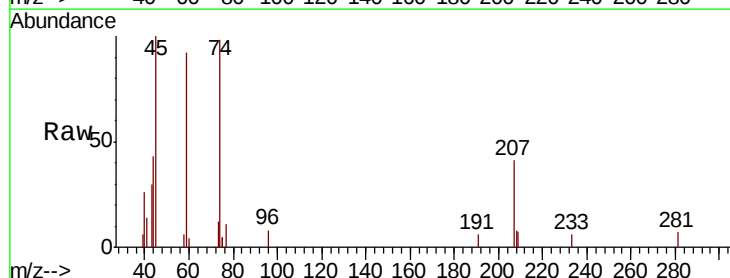
Acq: 22 Jul 2020 20:21

Tgt Ion: 74 Resp: 2482

Ion Ratio Lower Upper

74 100

45 114.8 45.3 135.8



Abundance Ion 74.00 (73.70 to 74.70): VY003301.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003301.D (-246) (-)

3.54

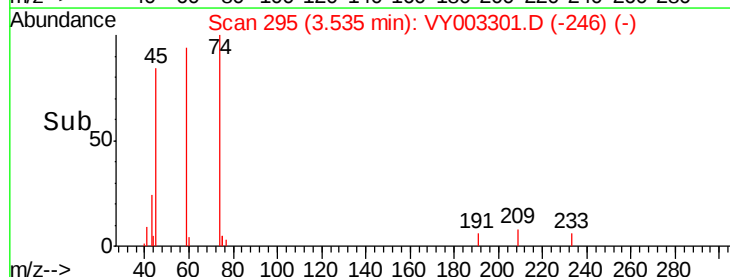
1500

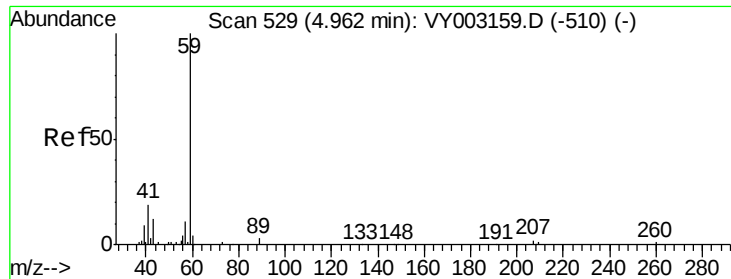
1000

500

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Time-->

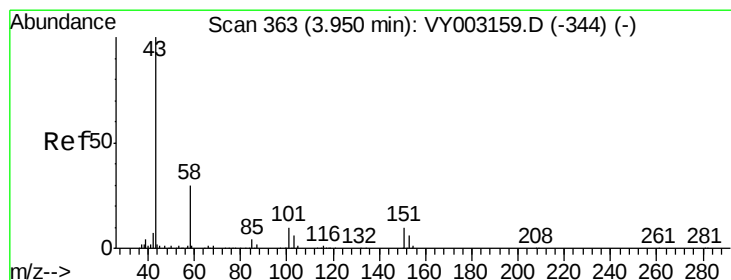
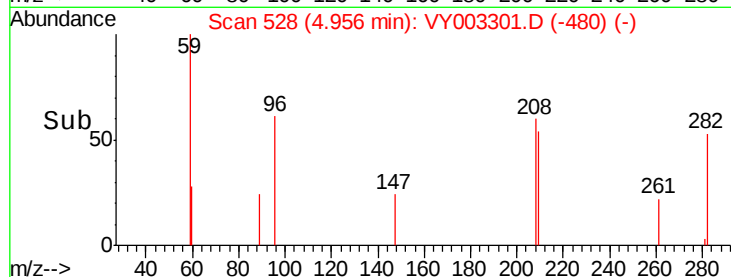
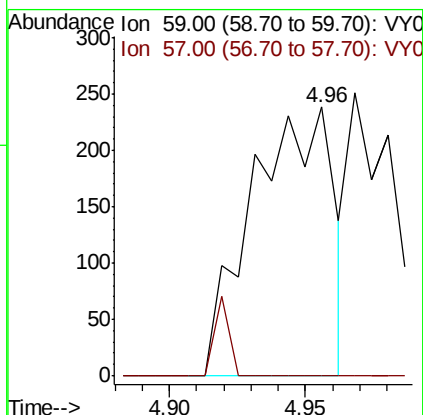
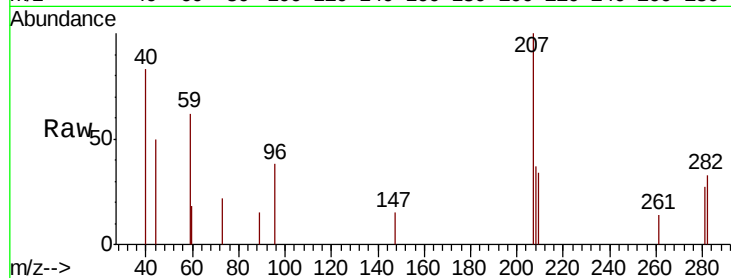




#11
Tert butyl alcohol
Concen: 1.403 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY003301.D
Acq: 22 Jul 2020 20:21

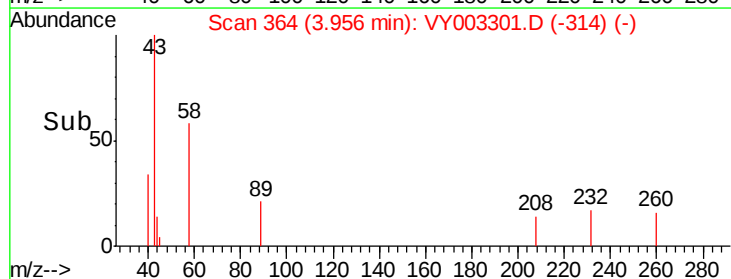
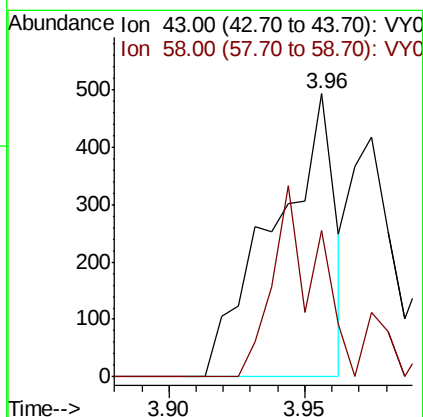
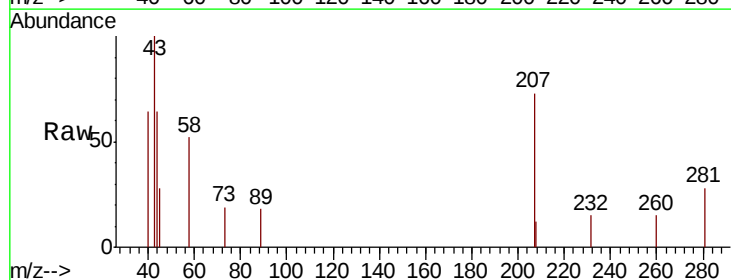
Instrument :
MSVOA_Y
ClientSampled :
17RE

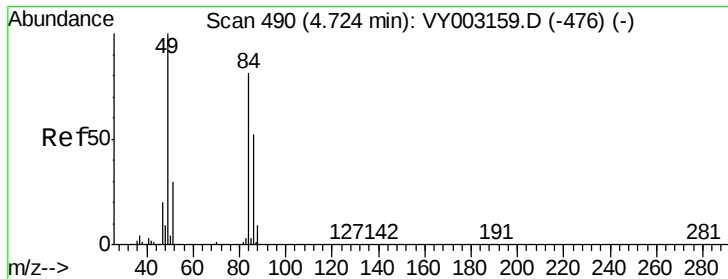
Tot Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 1.054 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003301.D
Acq: 22 Jul 2020 20:21

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 51.9 23.8 35.6#

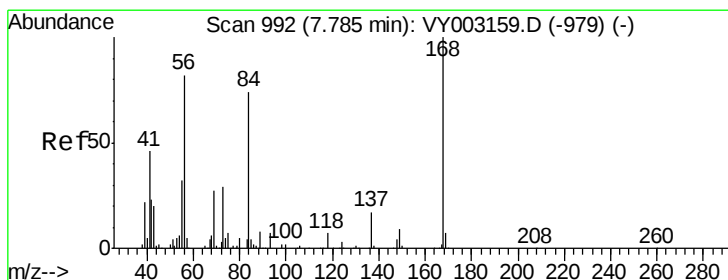
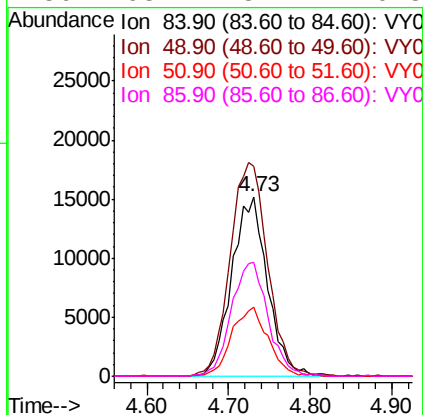
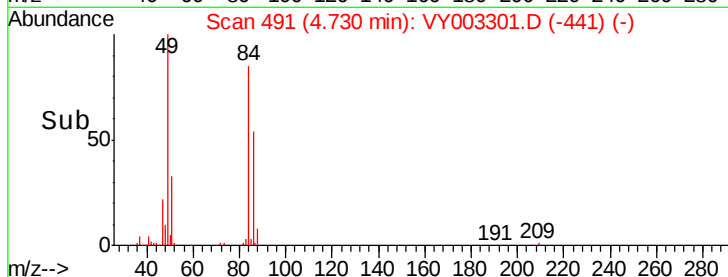
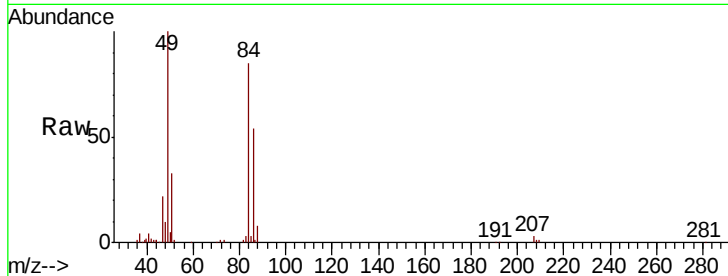




#20
Methvlene Chloride
Concen: 7.998 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003301.D
Acq: 22 Jul 2020 20:21

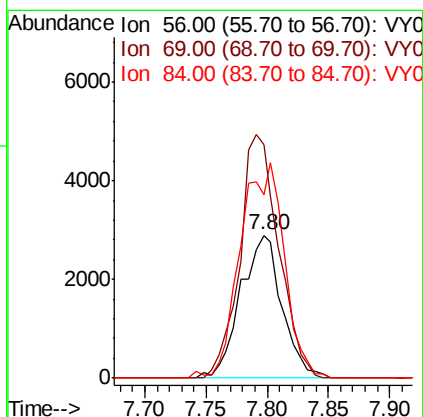
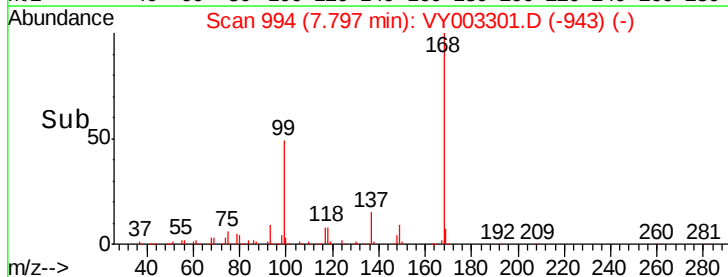
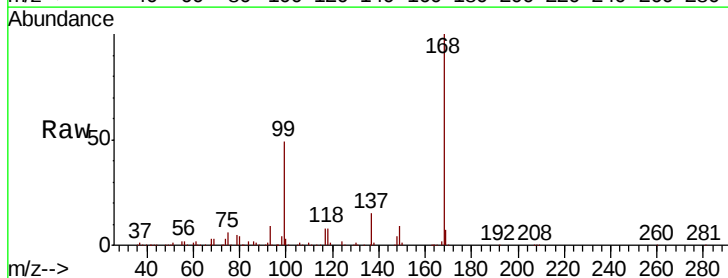
Instrument :
MSVOA_Y
ClientSampled :
17RE

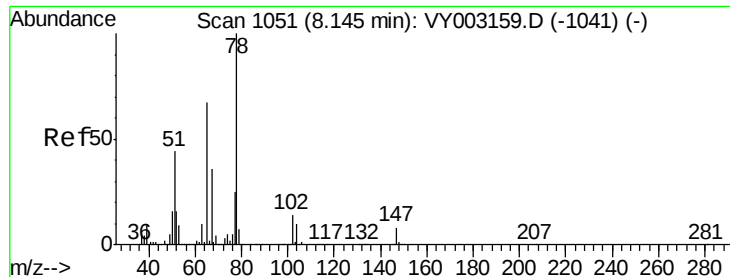
Tot Ion:	84	Resp:	46085
Ion	Ratio	Lower	Upper
84	100		
49	117.4	98.2	147.4
51	38.4	29.8	44.6
86	63.4	51.2	76.8



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003301.D
Acq: 22 Jul 2020 20:21

Tgt Ion:	56	Resp:	6792
Ion	Ratio	Lower	Upper
56	100		
69	163.1	26.7	40.1#
84	128.4	72.3	108.5#

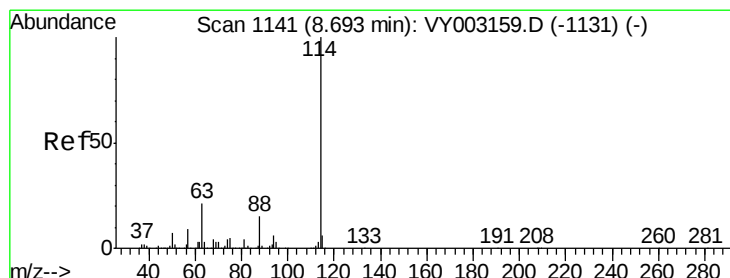
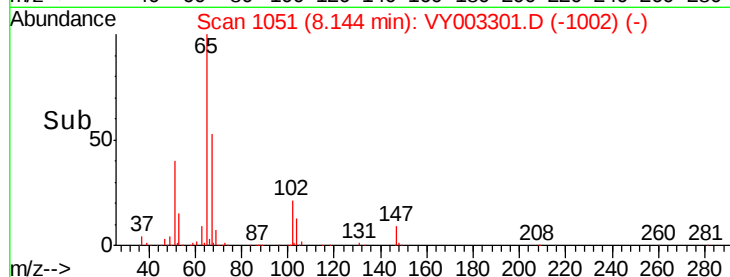
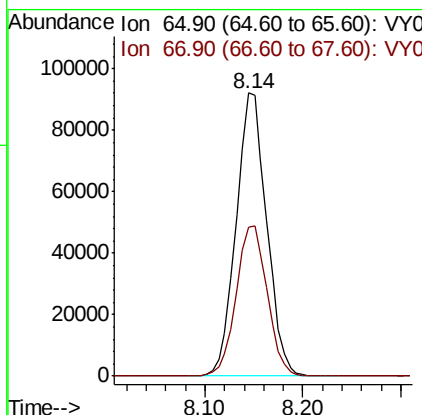
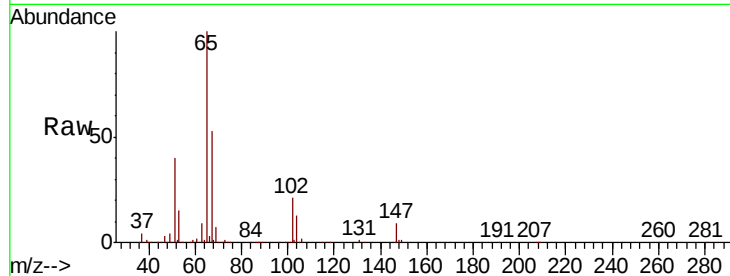




#33
 1,2-Dichloroethane-d4
 Concen: 61.390 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003301.D
 Acq: 22 Jul 2020 20:21

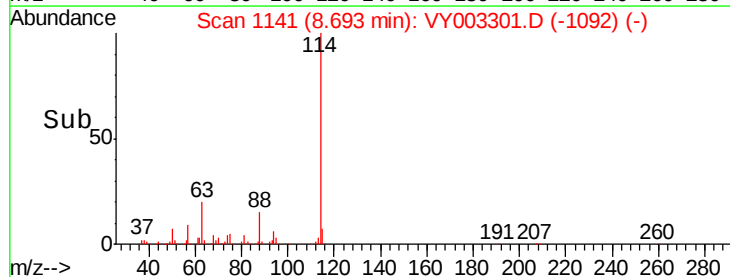
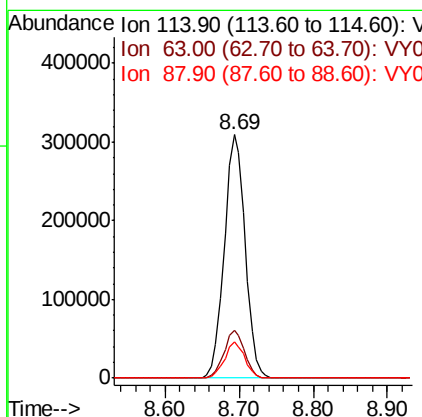
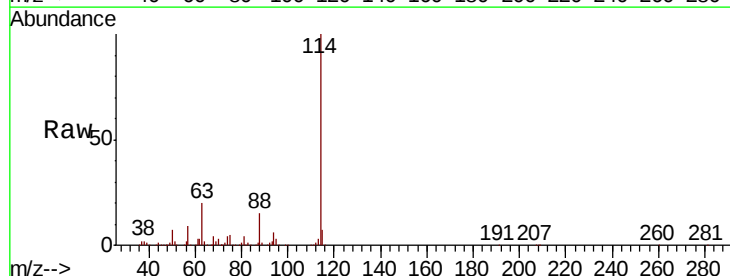
Instrument :
 MSVOA_Y
 ClientSampled :
 17RE

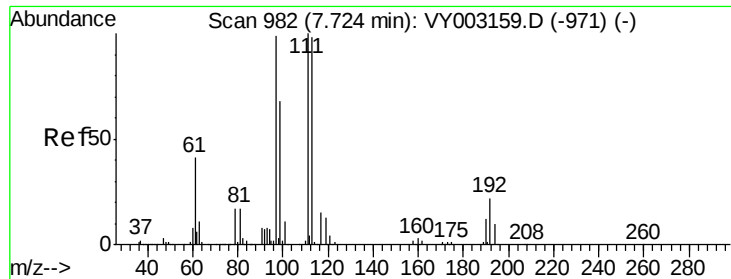
Tot Ion: 65 Resp: 199565
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003301.D
 Acq: 22 Jul 2020 20:21

Tgt Ion: 114 Resp: 602911
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.2
 88 15.1 0.0 30.2

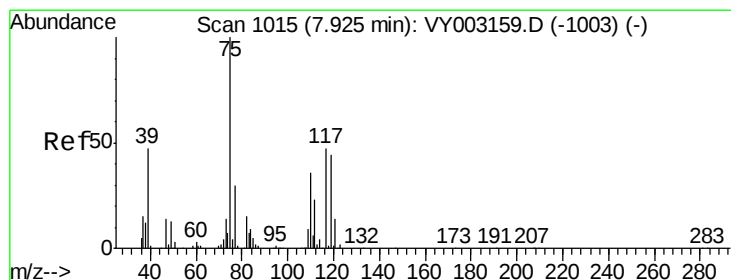
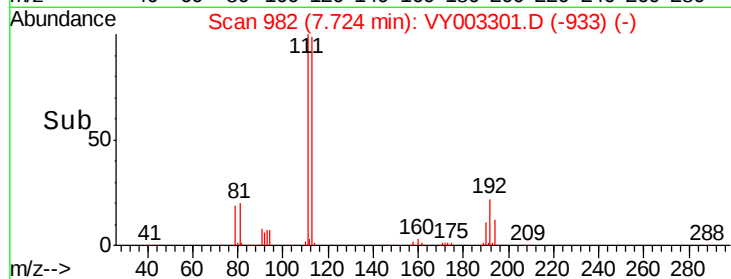
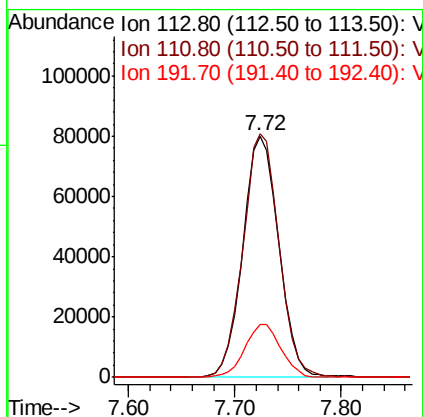
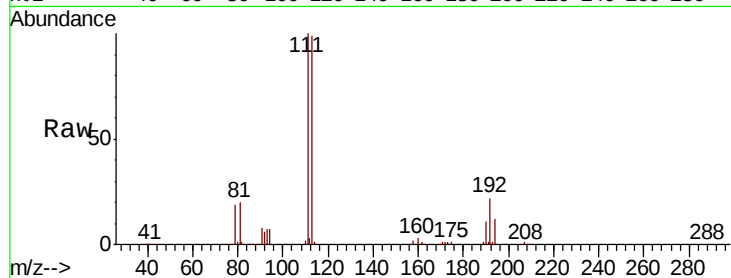




#35
 Dibromofluoromethane
 Concen: 54.619 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003301.D
 Acq: 22 Jul 2020 20:21

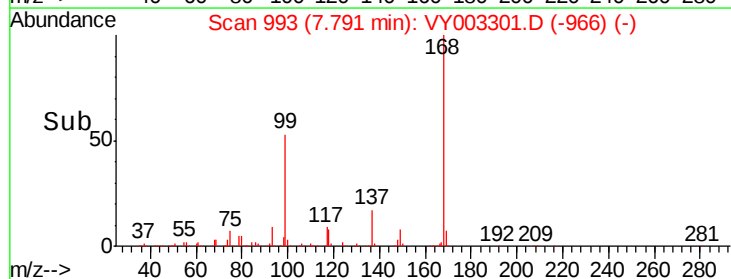
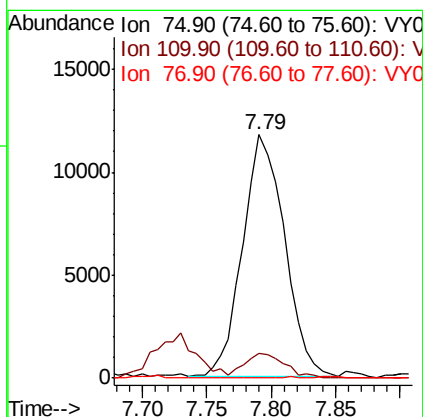
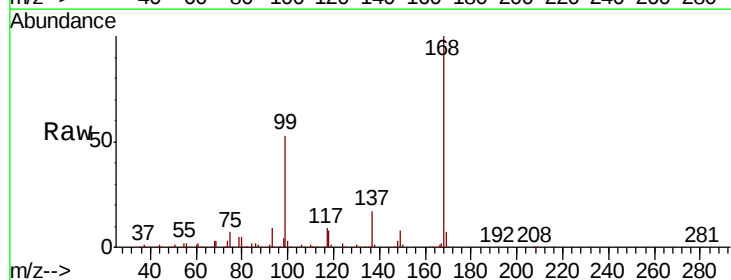
Instrument :
 MSVOA_Y
 ClientSampled :
 17RE

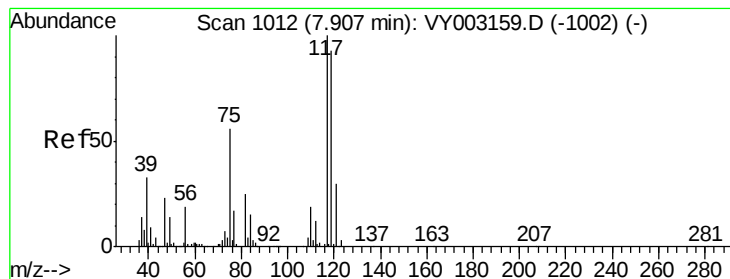
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.1	123.1
192	22.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.892 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003301.D
 Acq: 22 Jul 2020 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.1	54.1#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.141 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY003301.D

Acq: 22 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampled :

17RE

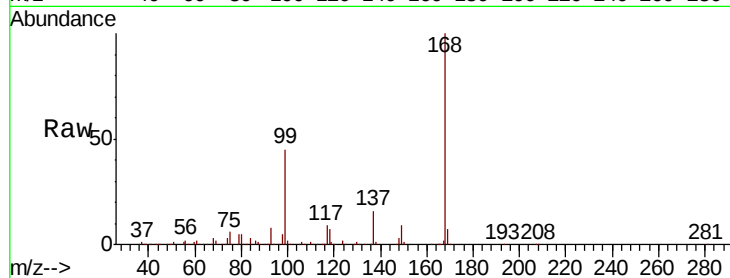
Tot Ion:117 Resp: 34640

Ion Ratio Lower Upper

117 100

119 5.7 74.5 111.7#

121 0.0 24.2 36.2#

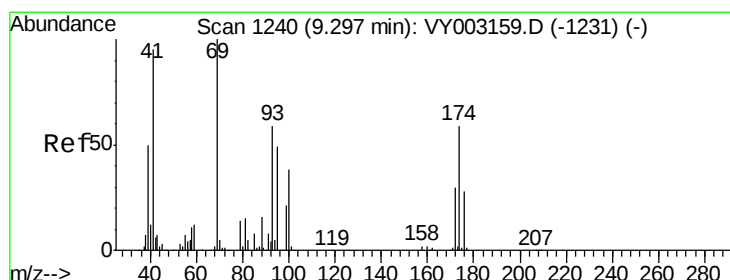
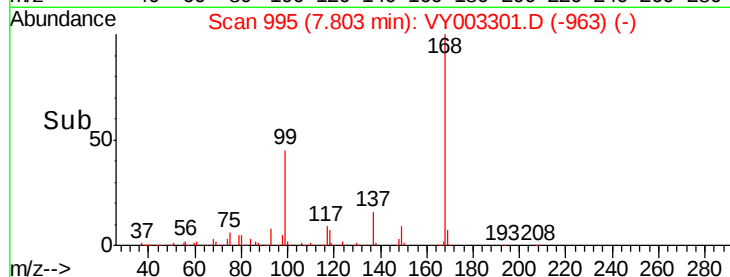
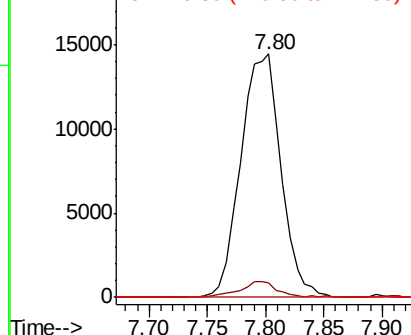


Abundance

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



#49

1,4-Dioxane

Concen: 2.980 ug/l

RT: 9.07 min Scan# 1203

Delta R.T. -0.23 min

Lab File: VY003301.D

Acq: 22 Jul 2020 20:21

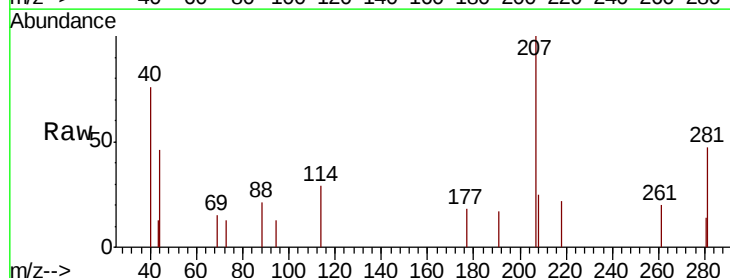
Tgt Ion: 88 Resp: 86

Ion Ratio Lower Upper

88 100

43 22.1 25.6 38.4#

58 0.0 47.8 71.6#

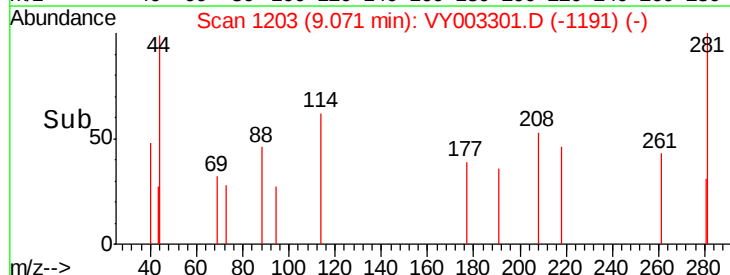
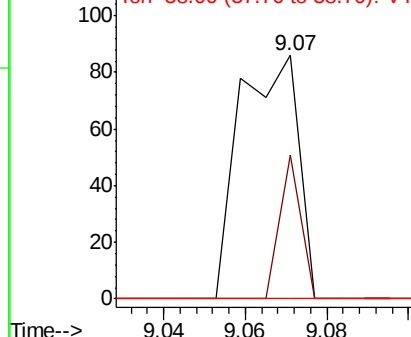


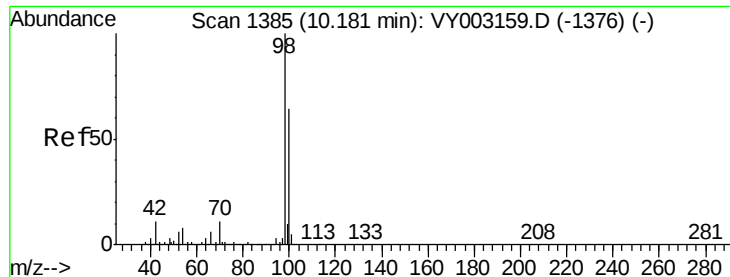
Abundance

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: 56.658 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003301.D

Acq: 22 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

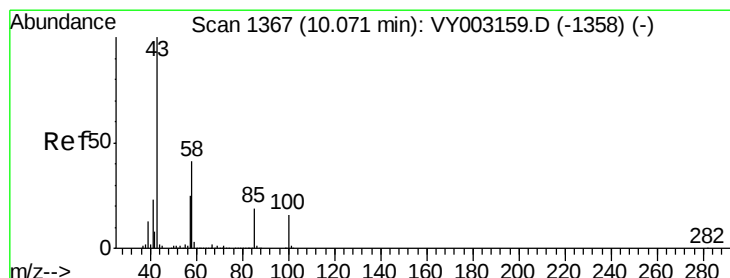
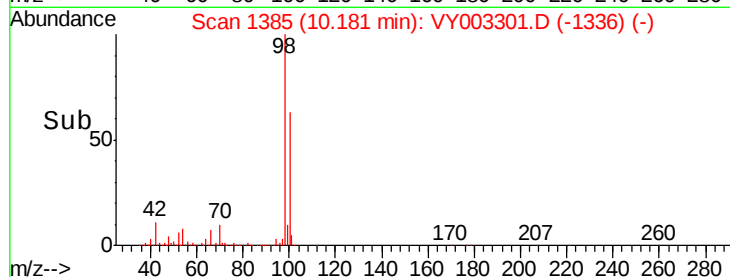
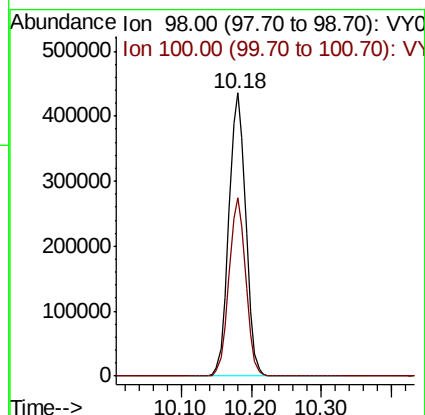
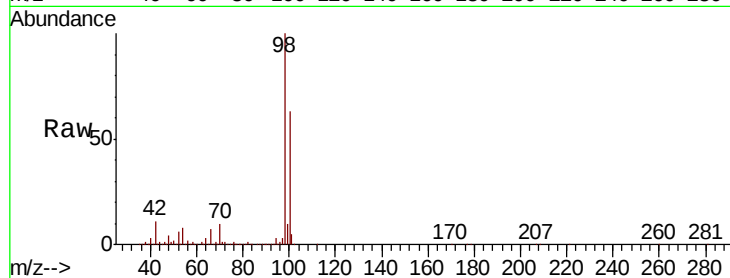
17RE

Tot Ion: 98 Resp: 730861

Ion Ratio Lower Upper

98 100

100 62.7 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 1.080 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY003301.D

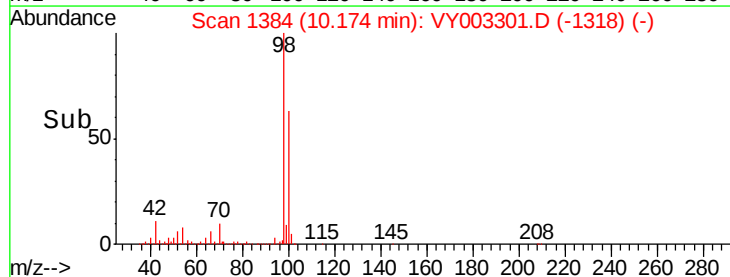
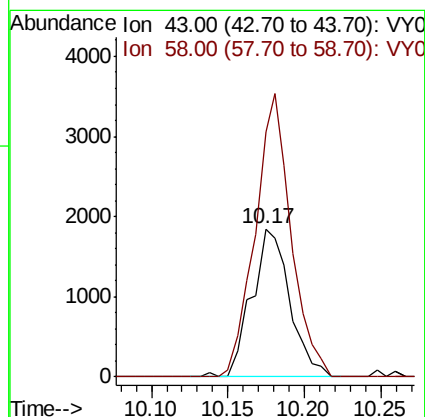
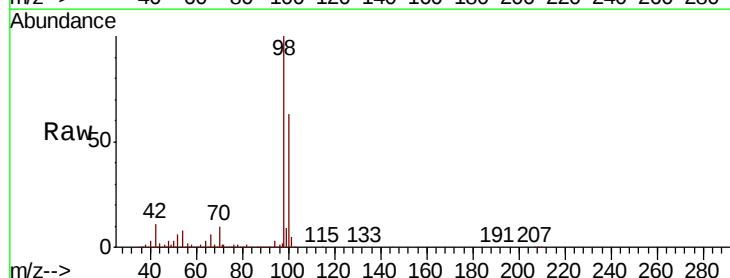
Acq: 22 Jul 2020 20:21

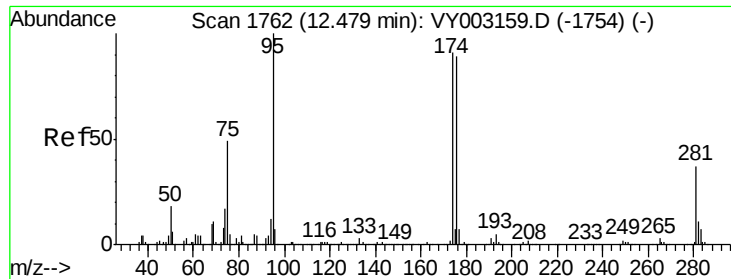
Tgt Ion: 43 Resp: 3198

Ion Ratio Lower Upper

43 100

58 180.5 32.7 49.1#





#62

4-Bromofluorobenzene

Concen: 51.308 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003301.D

Acq: 22 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

17RE

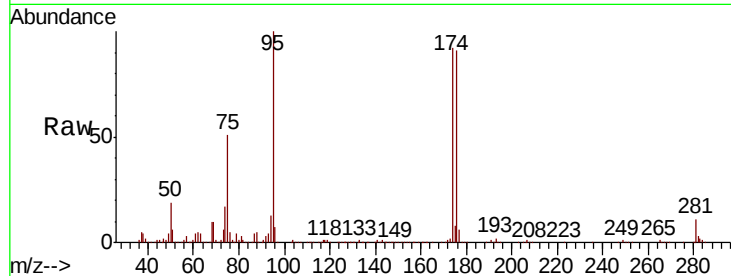
Tot Ion: 95 Resp: 239098

Ion Ratio Lower Upper

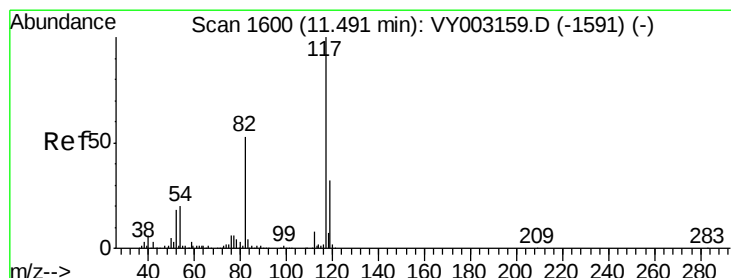
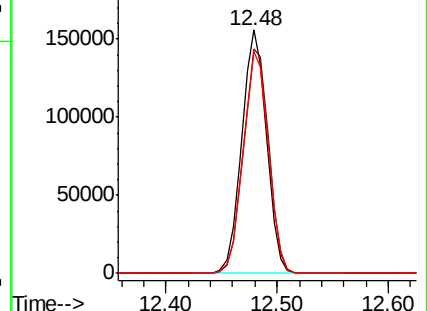
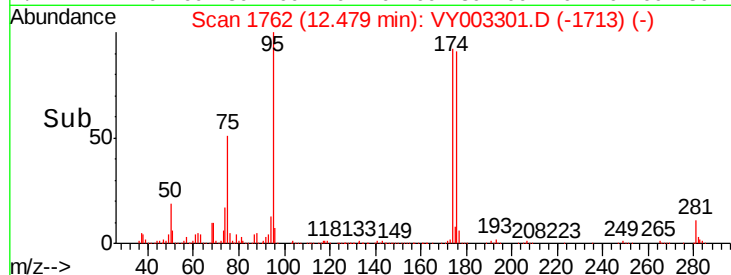
95 100

174 95.1 0.0 190.6

176 92.7 0.0 186.4



Abundance Ion 94.90 (94.60 to 95.60): VY003301.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003301.D

Acq: 22 Jul 2020 20:21

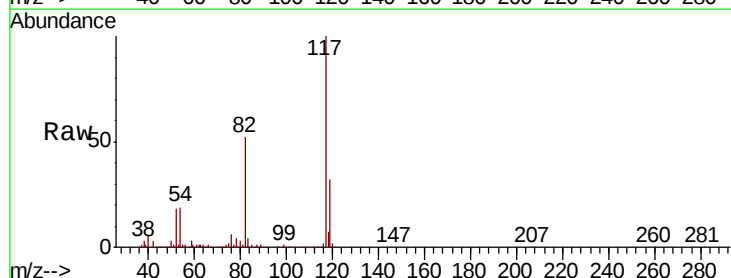
Tgt Ion: 117 Resp: 560416

Ion Ratio Lower Upper

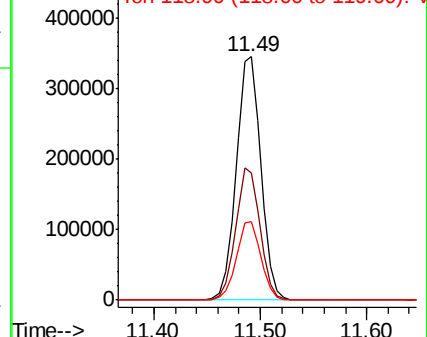
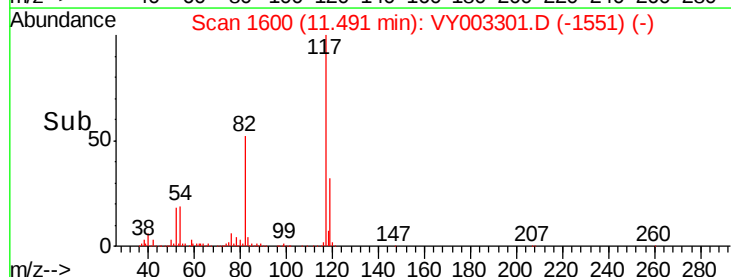
117 100

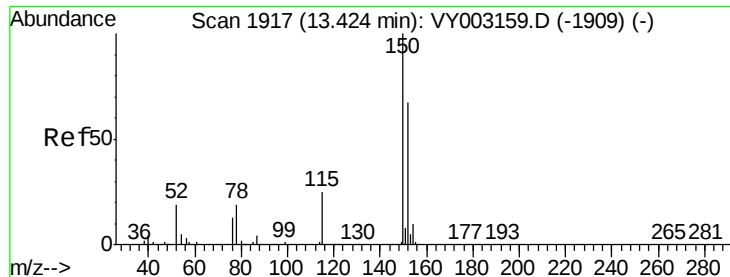
82 52.3 42.0 63.0

119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VY003301.D (-1551) (-)



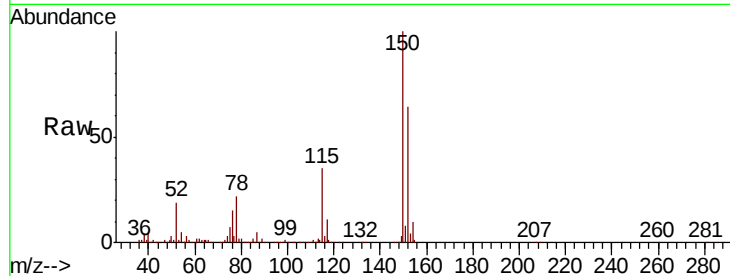


#72

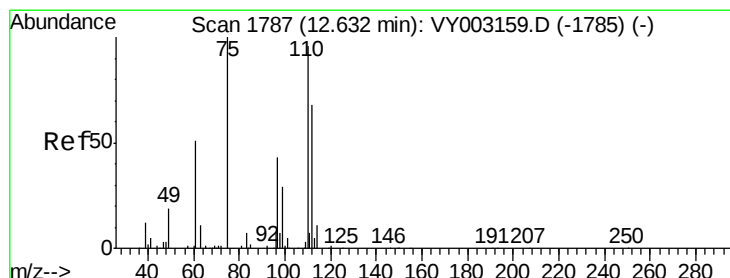
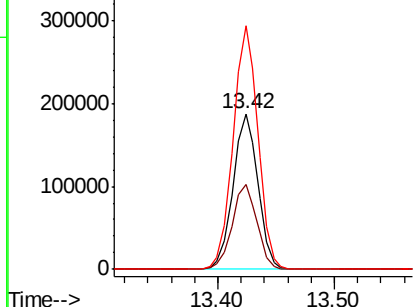
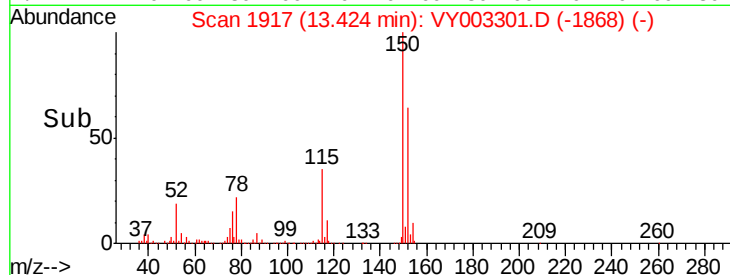
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003301.D
Acq: 22 Jul 2020 20:21

Instrument :
MSVOA_Y
ClientSampleId :
17RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	26.9	80.7
150	156.6	0.0	338.0



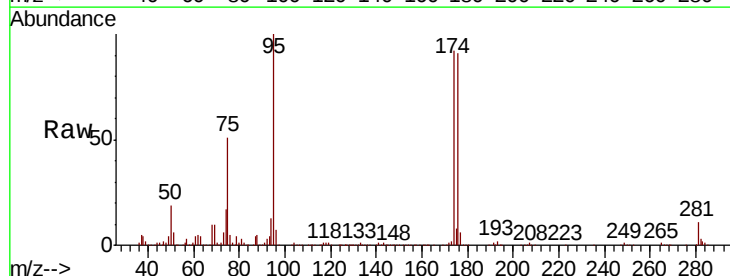
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



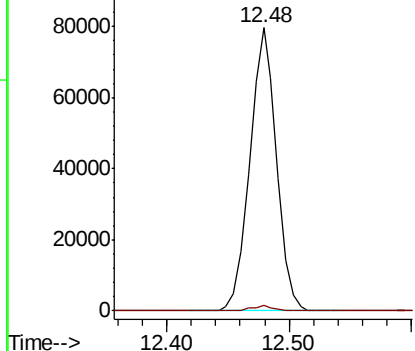
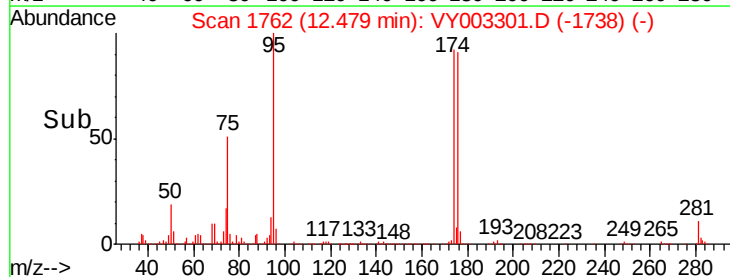
#76

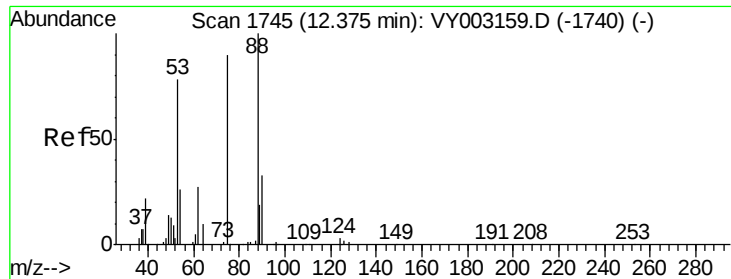
1,2,3-Trichloropropane
Concen: 48.885 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003301.D
Acq: 22 Jul 2020 20:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	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: 95.140 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003301.D

Acq: 22 Jul 2020 20:21

Instrument :

MSVOA_Y

ClientSampleId :

17RE

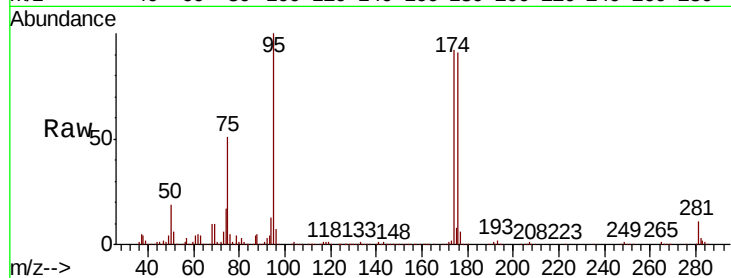
Tot Ion: 75 Resp: 120368

Ion Ratio Lower Upper

75 100

53 0.1 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

