

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051820\
 Data File : VY002700.D
 Acq On : 18 May 2020 10:47
 Operator : SY/MD
 Sample : VY0518SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 18 23:50:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	297422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	469337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	421687	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208450	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	133651	57.45	ug/l	0.00
Spiked Amount			Recovery	=	114.90%	
35) Dibromofluoromethane	7.73	113	139685	53.93	ug/l	0.00
Spiked Amount			Recovery	=	107.86%	
50) Toluene-d8	10.18	98	540988	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.48	95	175221	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

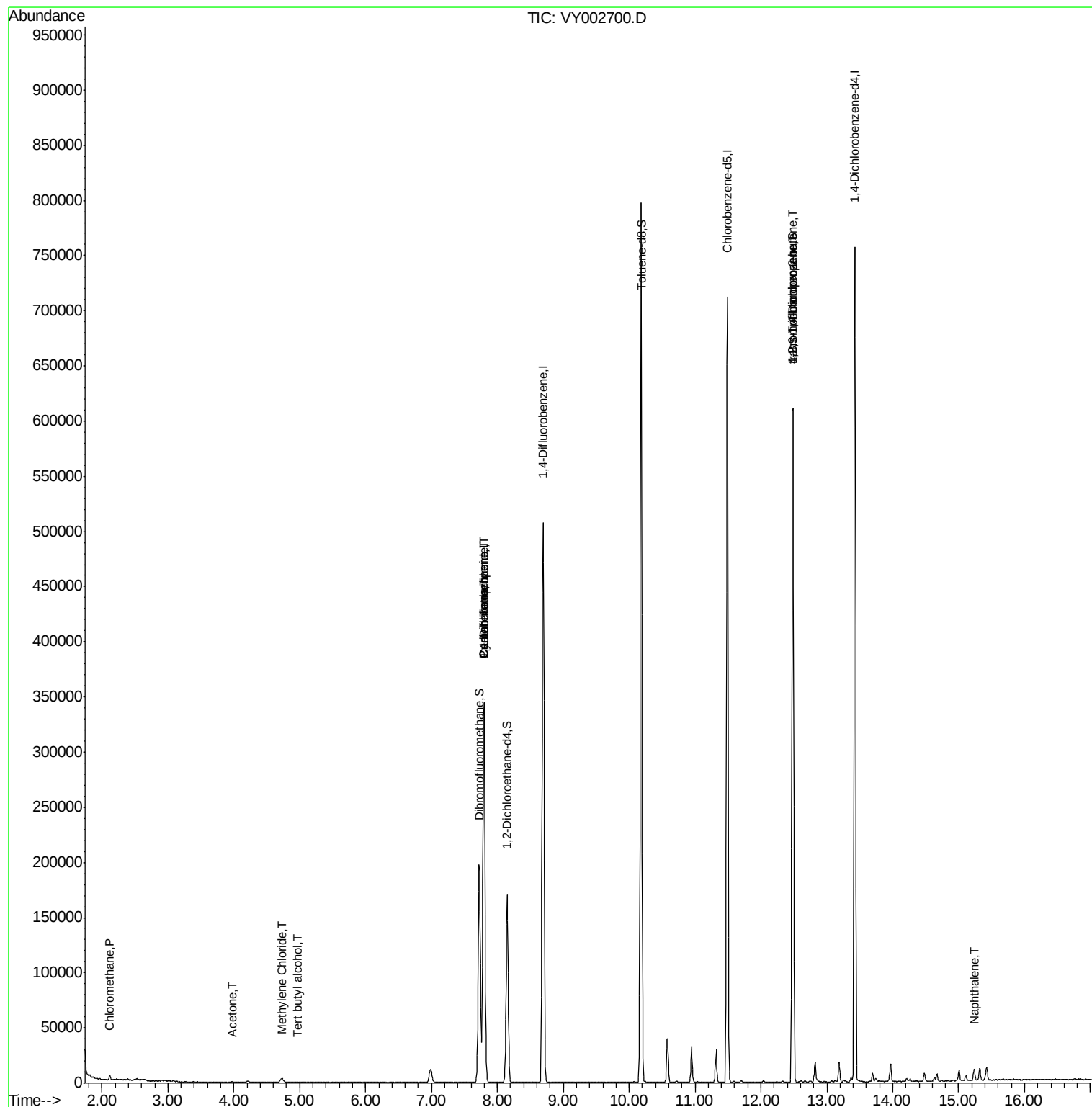
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	3632	1.488	ug/l #	88
11) Tert butyl alcohol	4.96	59	1029	4.355	ug/l #	74
16) Acetone	3.97	43	833	1.737	ug/l #	70
20) Methylene Chloride	4.73	84	3106	1.071	ug/l #	86
31) Cyclohexane	7.80	56	4640	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	18002	4.531	ug/l #	48
38) Carbon Tetrachloride	7.80	117	26580	6.225	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	85275	49.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	85275	94.182	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.01	180	3225	Below Cal		96
94) Hexachlorobutadiene	15.11	225	1171	Below Cal		97
95) Naphthalene	15.23	128	9545	1.177	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	4112	Below Cal		96

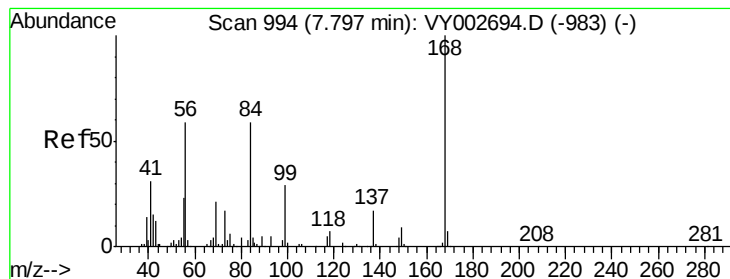
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002700.D

Acq: 18 May 2020 10:47

Instrument :

MSVOA_Y

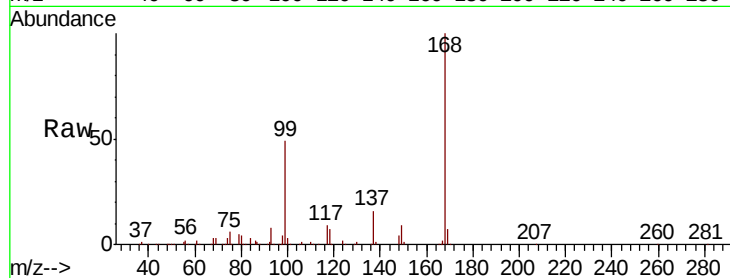
ClientSampleId :

Tot Ion:168 Resp: 297422

Ion Ratio Lower Upper

168 100

99 48.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002694.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002694.D (-983) (-)

7.80

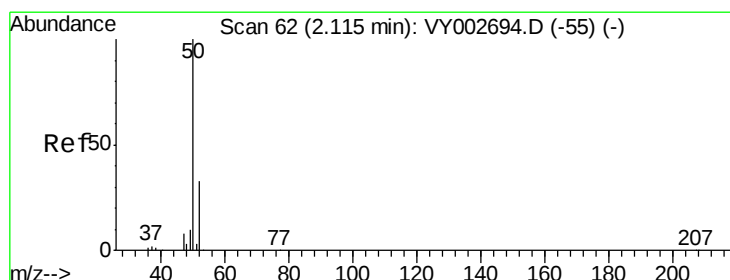
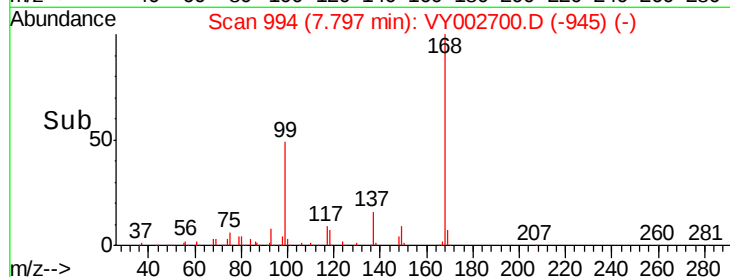
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.488 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002700.D

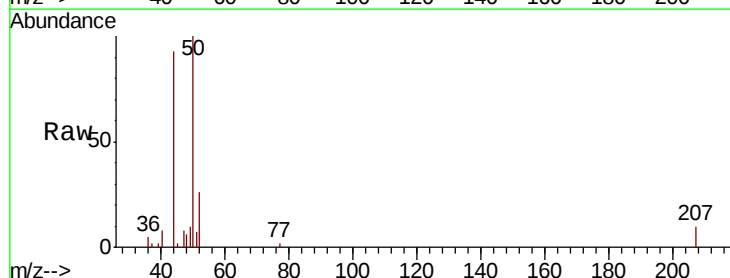
Acq: 18 May 2020 10:47

Tgt Ion: 50 Resp: 3632

Ion Ratio Lower Upper

50 100

52 25.9 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VY002694.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002694.D (-55) (-)

2.12

3000

2500

2000

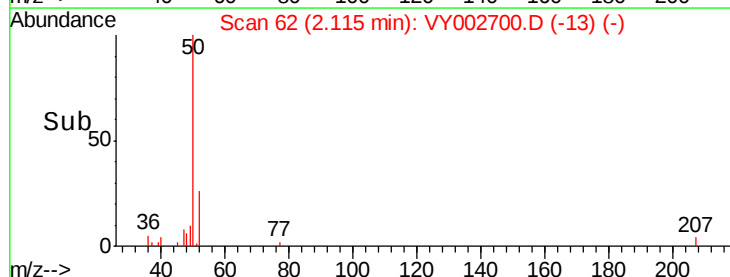
1500

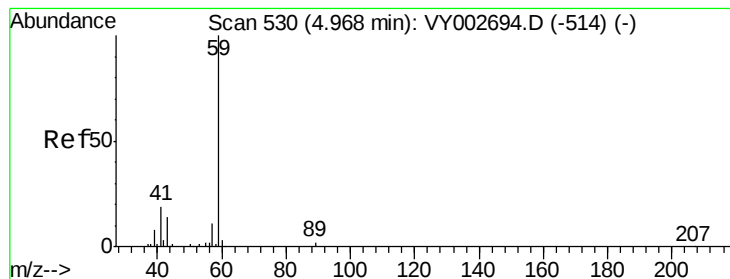
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 4.355 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

Instrument :

MSVOA_Y

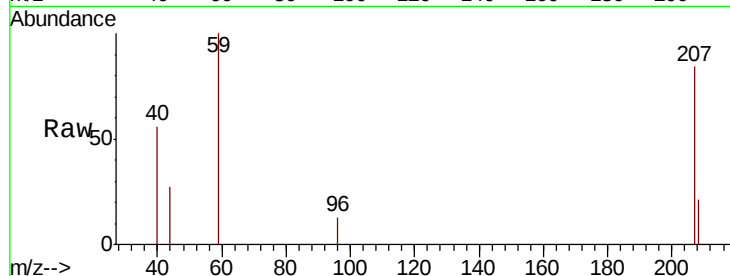
ClientSampled :

Tot Ion: 59 Resp: 1029

Ion Ratio Lower Upper

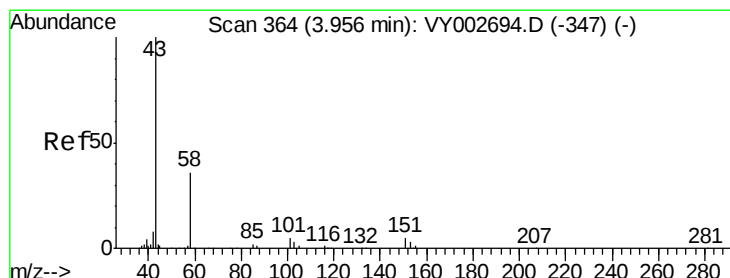
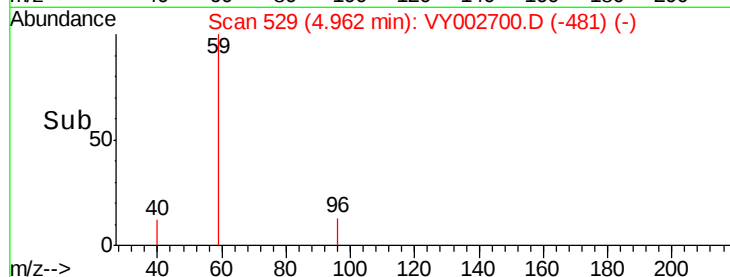
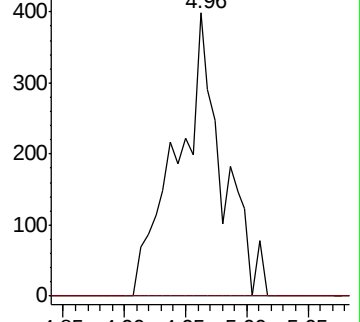
59 100

57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#16

Acetone

Concen: 1.737 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.01 min

Lab File: VY002700.D

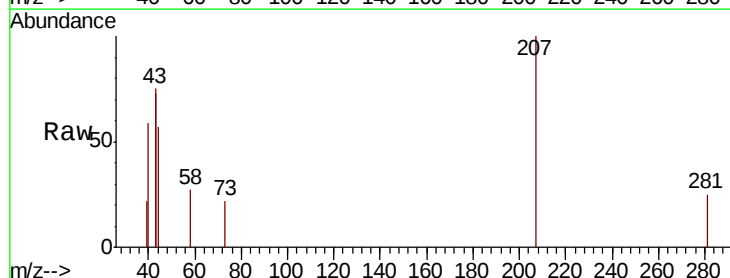
Acq: 18 May 2020 10:47

Tgt Ion: 43 Resp: 833

Ion Ratio Lower Upper

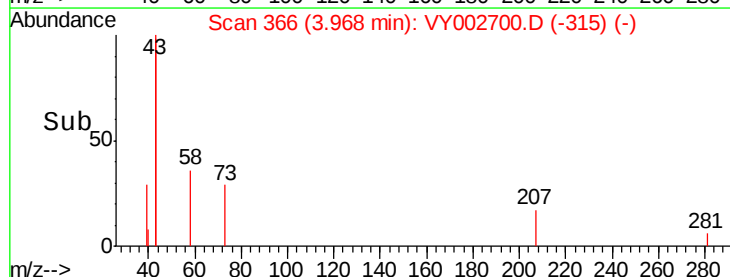
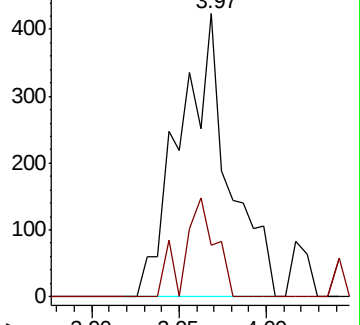
43 100

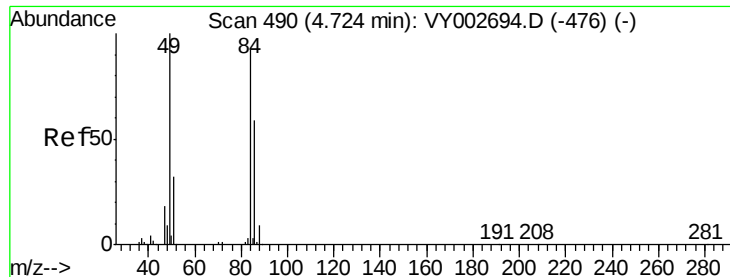
58 18.4 28.6 43.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

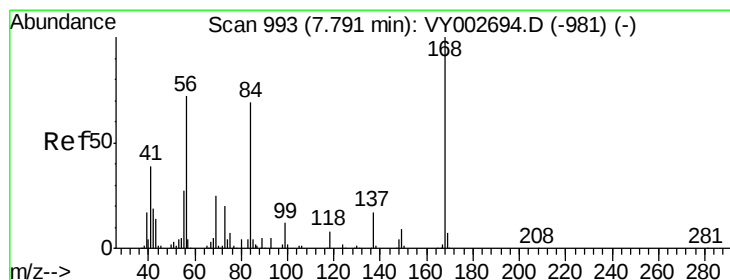
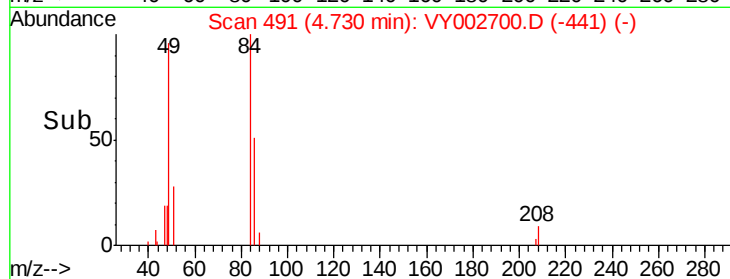
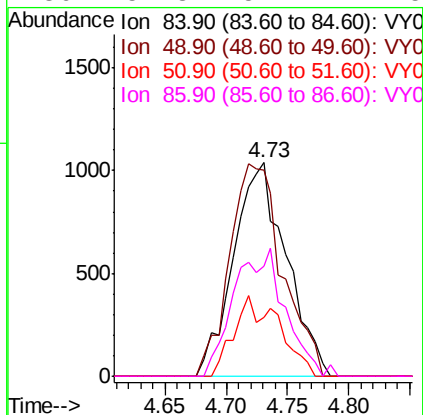
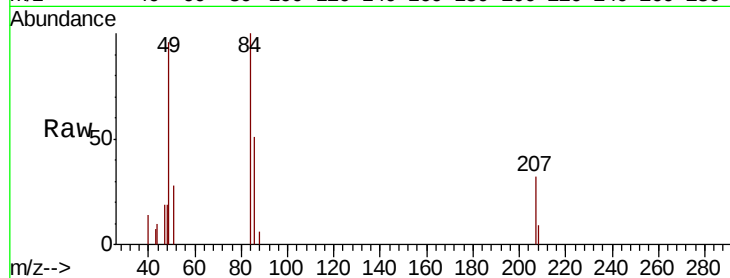




#20
Methvlene Chloride
Concen: 1.071 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002700.D
Acq: 18 May 2020 10:47

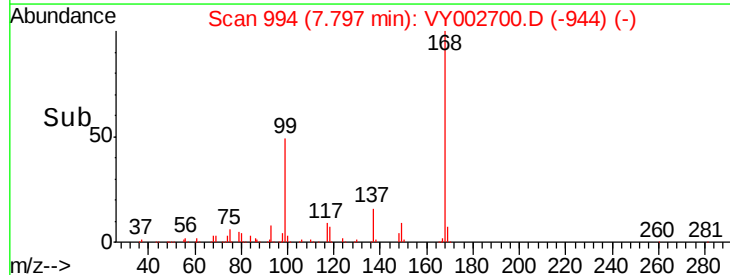
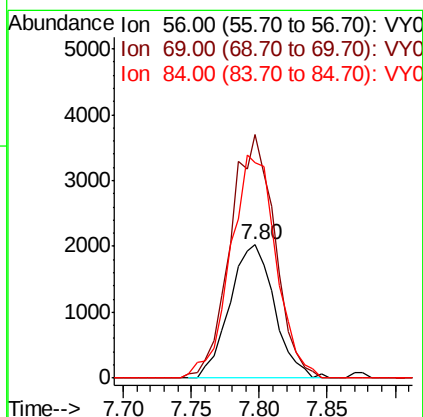
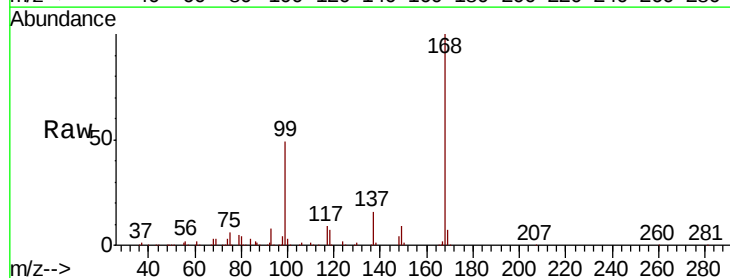
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MSVOA_Y
ClientSampleId :

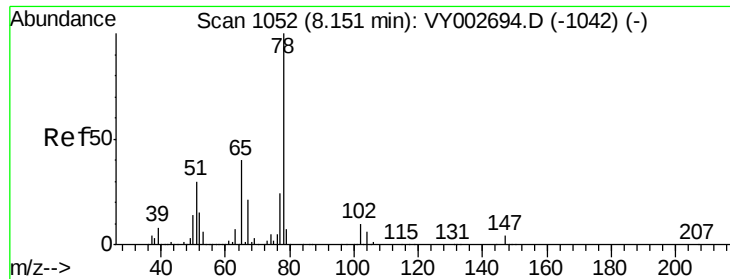
Tot Ion: 84 Resp: 3106
Ion Ratio Lower Upper
84 100
49 96.3 87.4 131.0
51 27.7 27.9 41.9#
86 51.3 51.7 77.5#



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002700.D
Acq: 18 May 2020 10:47

Tgt Ion: 56 Resp: 4640
Ion Ratio Lower Upper
56 100
69 182.4 27.7 41.5#
84 161.9 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 57.448 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

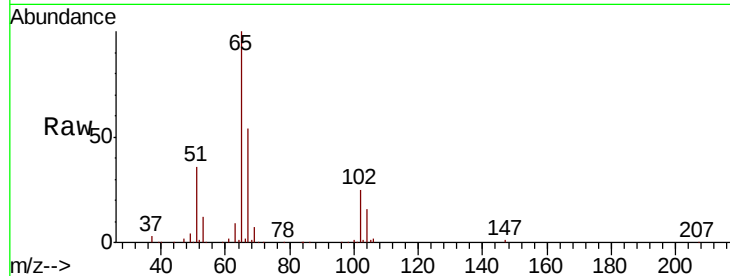
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 65 Resp: 133651

Ion Ratio Lower Upper

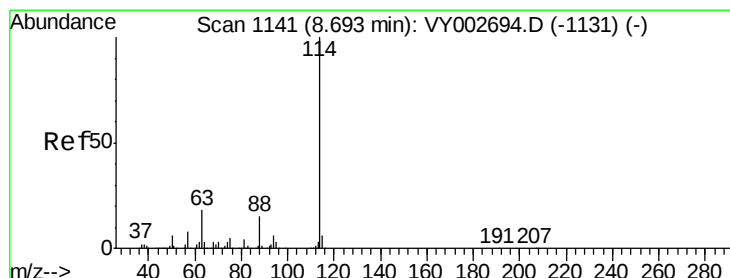
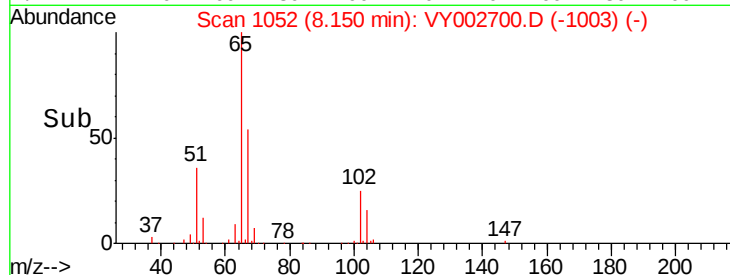
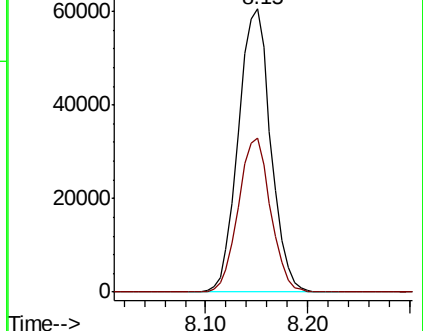
65 100

67 54.1 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VY002700.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY002700.D (-1042) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

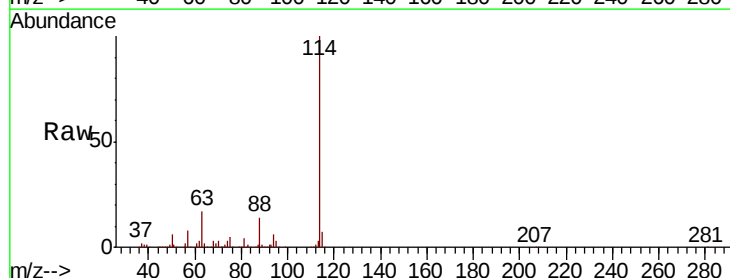
Tgt Ion: 114 Resp: 469337

Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.4

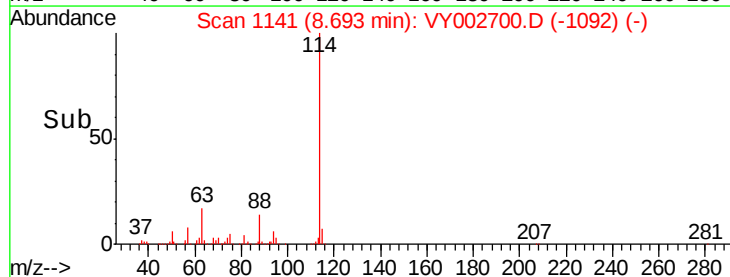
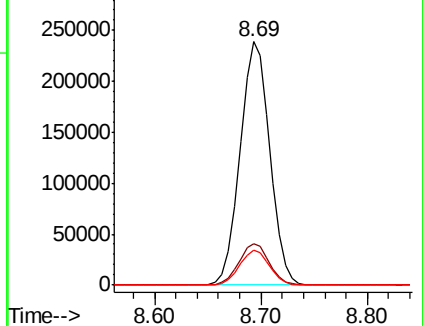
88 14.2 0.0 29.4

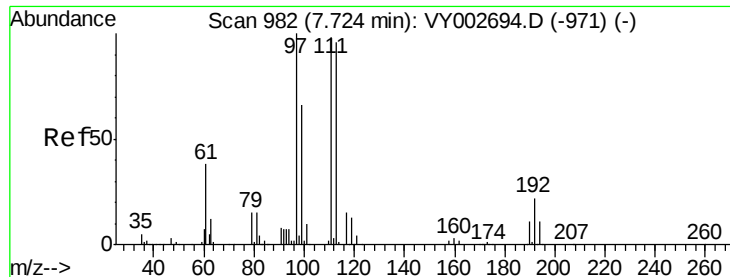


Abundance Ion 113.90 (113.60 to 114.60): VY002700.D (-1092) (-)

Ion 63.00 (62.70 to 63.70): VY002700.D (-1092) (-)

Ion 87.90 (87.60 to 88.60): VY002700.D (-1092) (-)

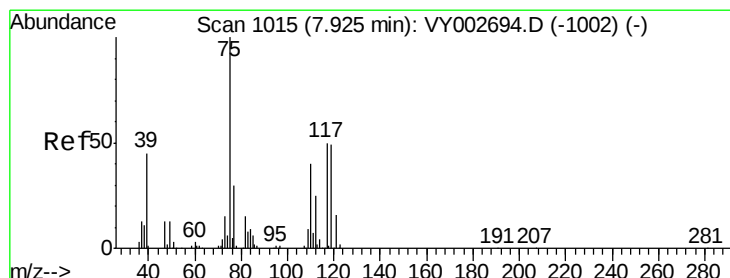
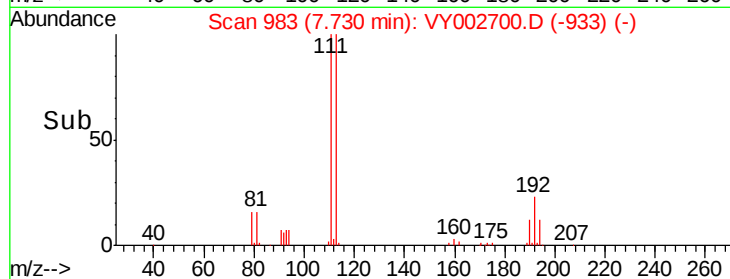
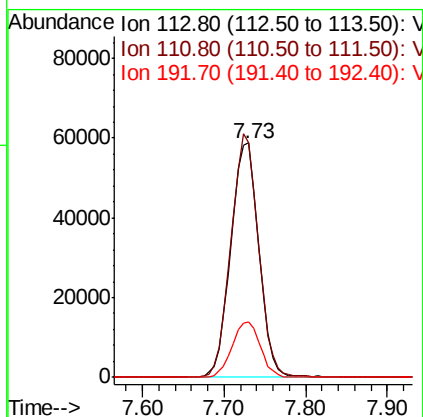
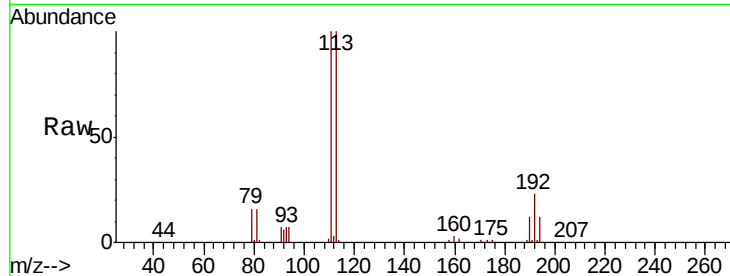




#35
 Dibromofluoromethane
 Concen: 53.929 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY002700.D
 Acq: 18 May 2020 10:47

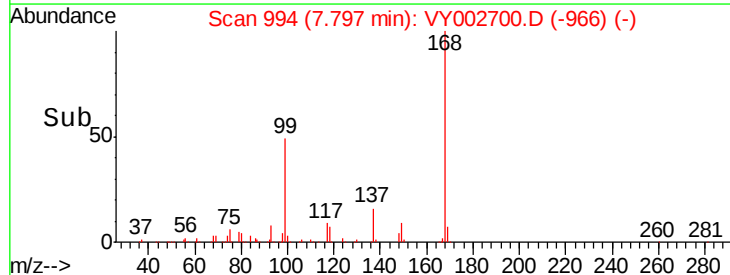
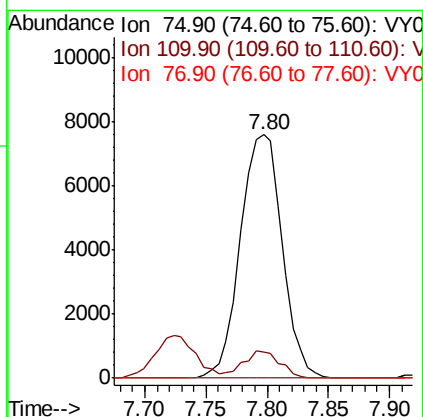
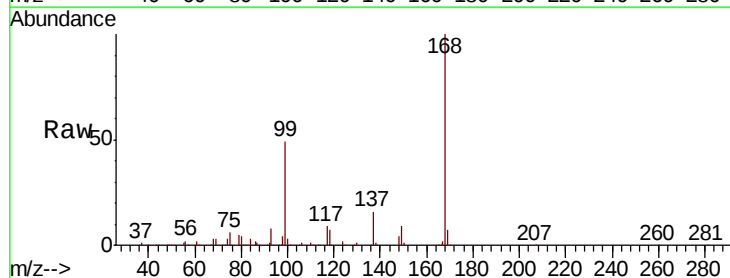
Instrument :
 MSVOA_Y
 ClientSampleId :

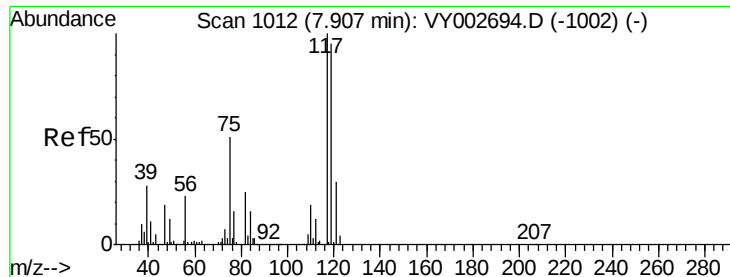
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.9	122.9
192	23.7	18.6	27.8



#36
 1,1-Dichloropropene
 Concen: 4.531 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY002700.D
 Acq: 18 May 2020 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	19.4	58.4#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.225 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.10 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

Instrument :

MSVOA_Y

ClientSampled :

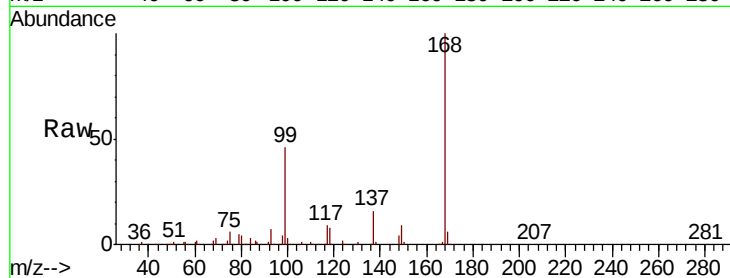
Tot Ion:117 Resp: 26580

Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

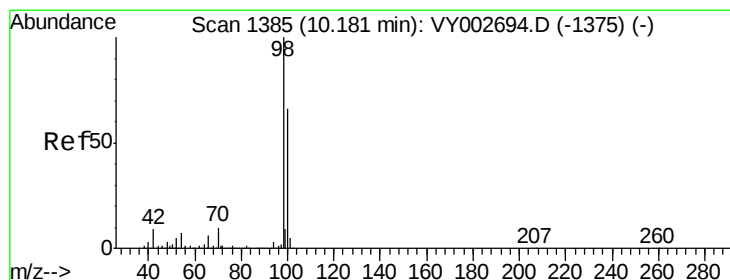
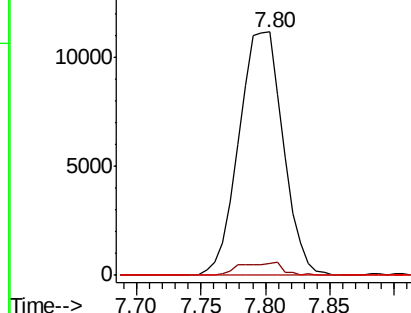
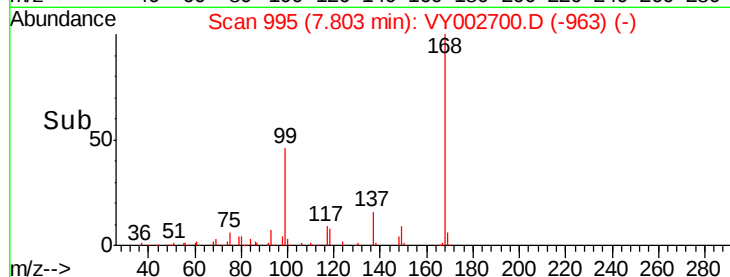
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 51.877 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002700.D

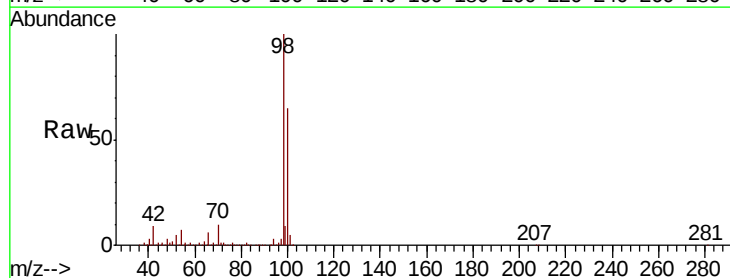
Acq: 18 May 2020 10:47

Tgt Ion: 98 Resp: 540988

Ion Ratio Lower Upper

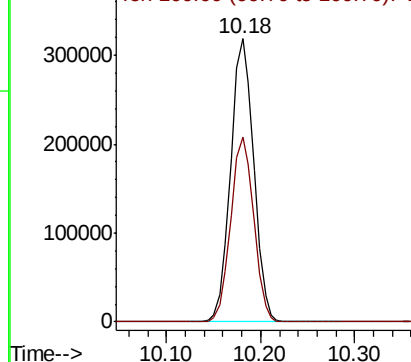
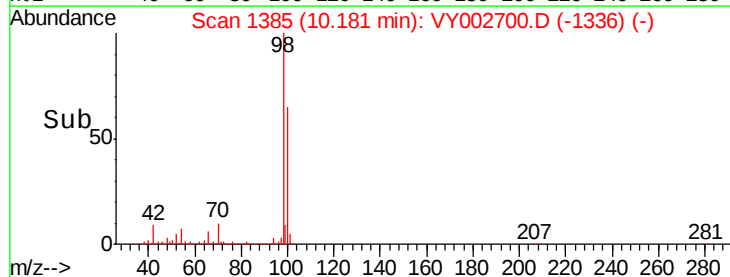
98 100

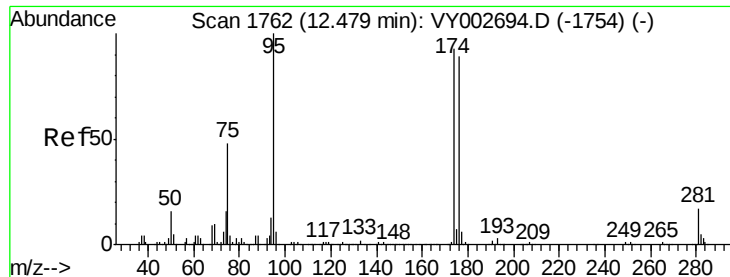
100 65.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

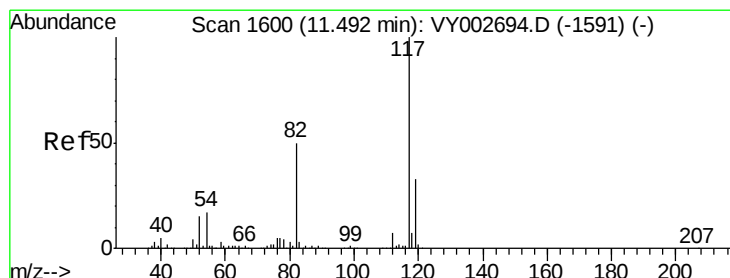
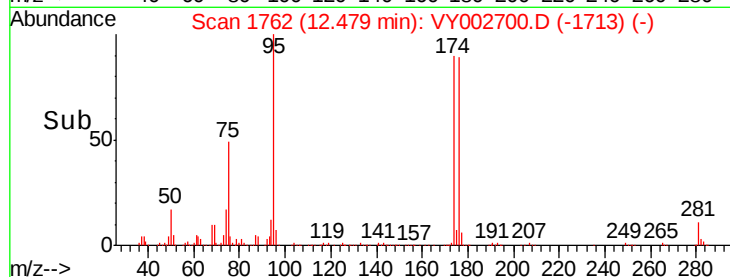
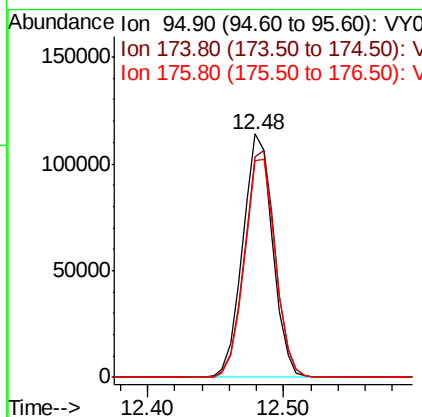
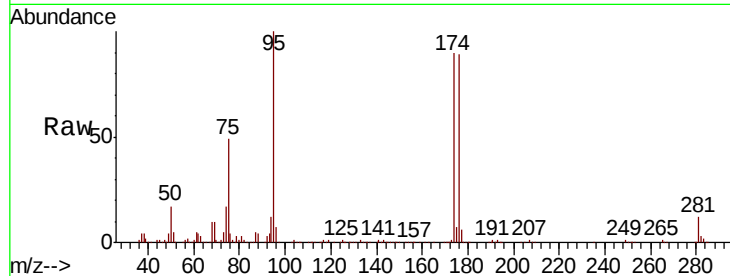




#62
4-Bromofluorobenzene
Concen: 48.887 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY002700.D
Acq: 18 May 2020 10:47

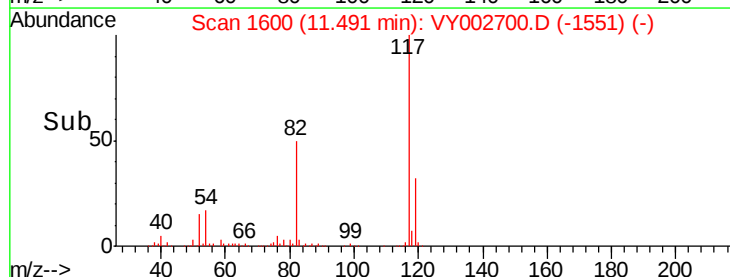
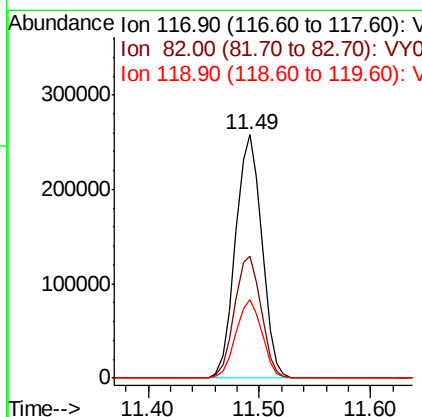
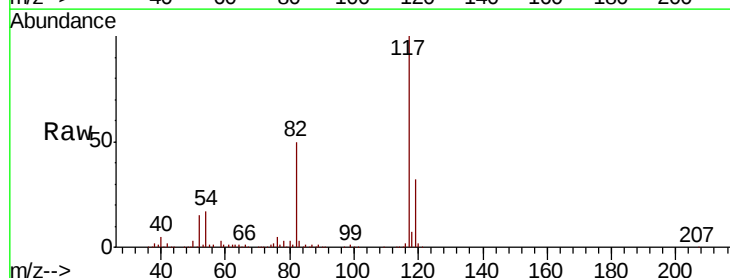
Instrument :
MSVOA_Y
ClientSampleId :

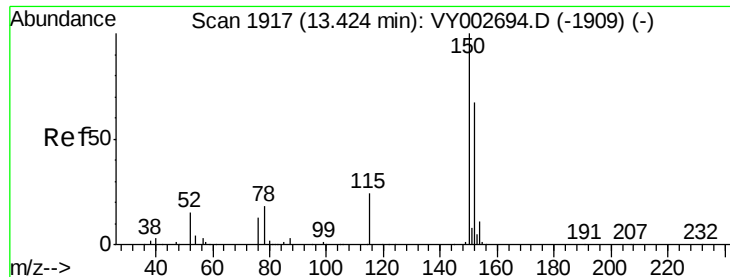
Tot Ion: 95 Resp: 175221
Ion Ratio Lower Upper
95 100
174 95.7 0.0 191.4
176 92.9 0.0 186.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002700.D
Acq: 18 May 2020 10:47

Tgt Ion: 117 Resp: 421687
Ion Ratio Lower Upper
117 100
82 50.0 40.3 60.5
119 32.5 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

Instrument :

MSVOA_Y

ClientSampleId :

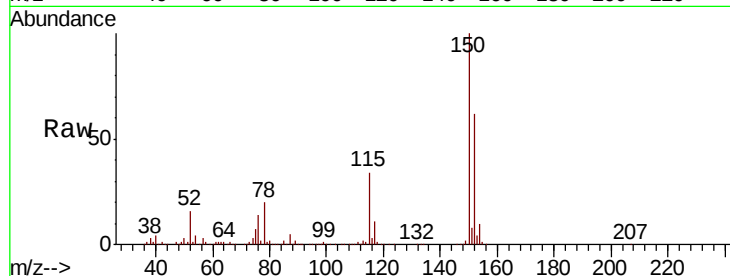
Tot Ion:152 Resp: 208450

Ion Ratio Lower Upper

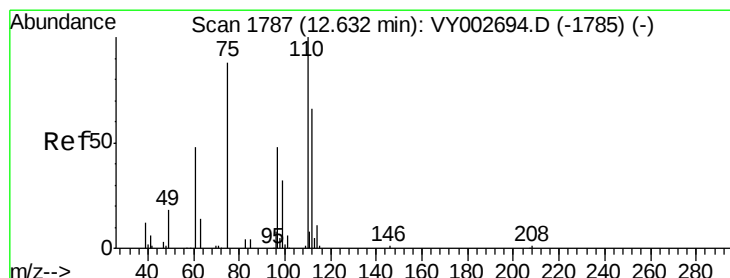
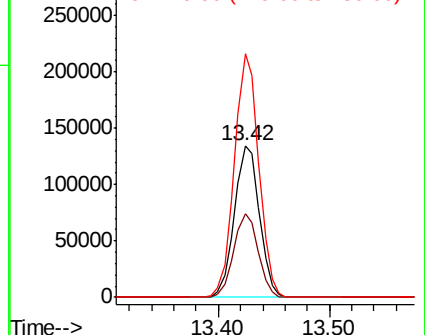
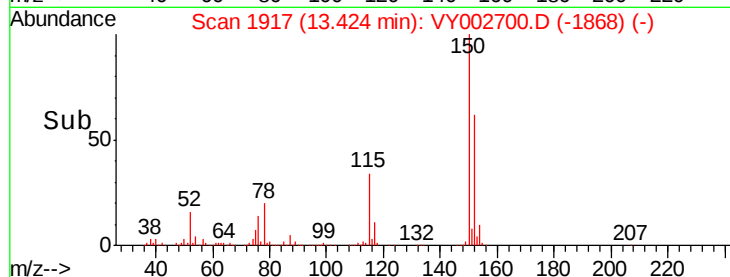
152 100

115 54.0 27.2 81.6

150 157.1 0.0 343.8



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: 49.800 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002700.D

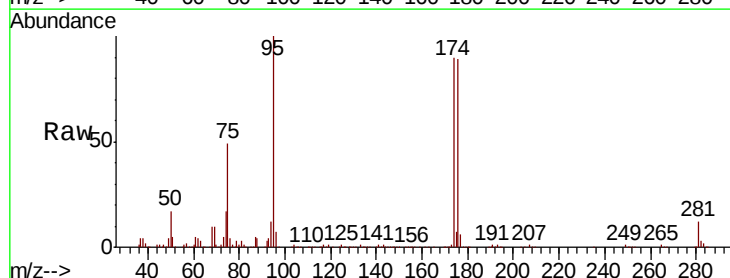
Acq: 18 May 2020 10:47

Tgt Ion: 75 Resp: 85275

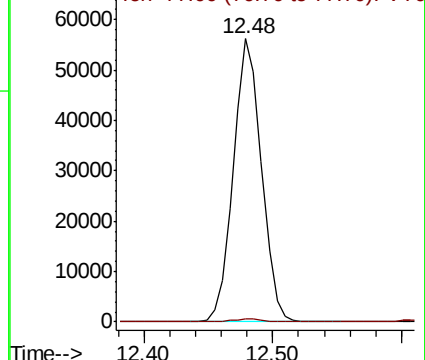
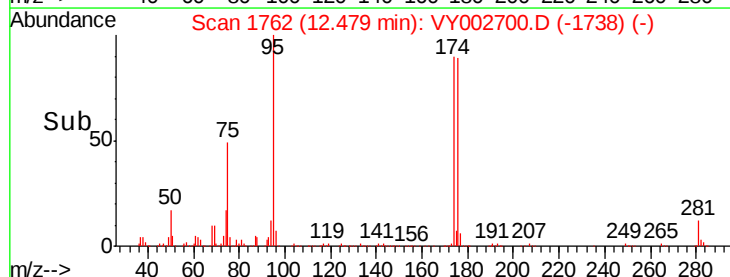
Ion Ratio Lower Upper

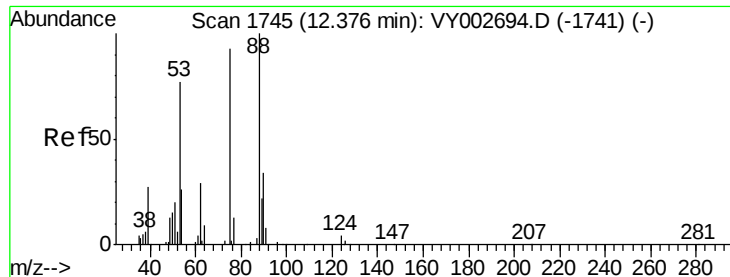
75 100

77 1.2 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: 94.182 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

Instrument :

MSVOA_Y

ClientSampleId :

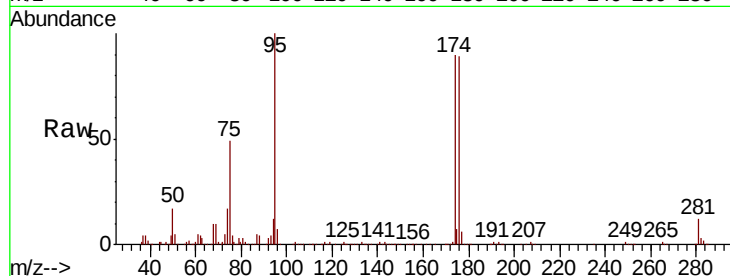
Tot Ion: 75 Resp: 85275

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.6#

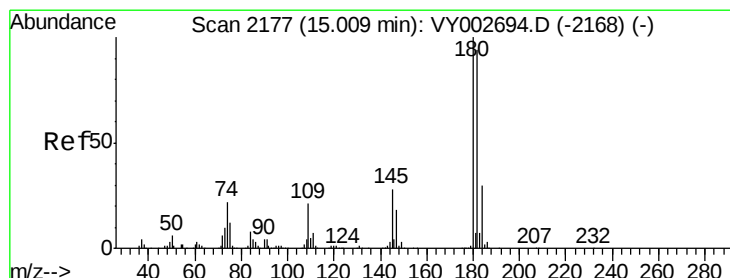
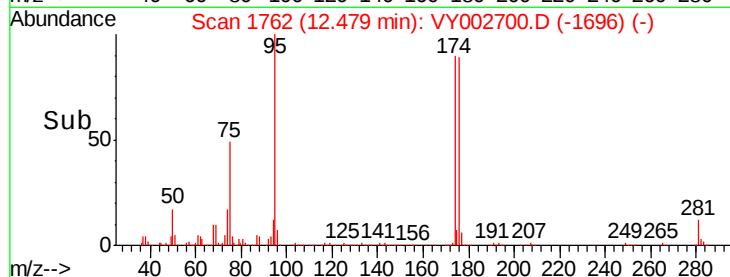
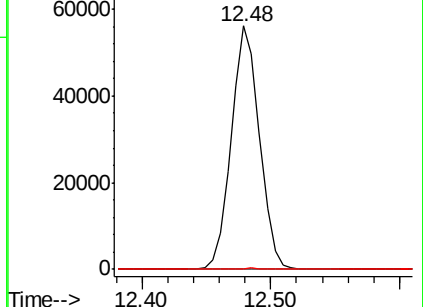
89 0.3 66.6 99.8#



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



#93

1,2,4-Trichlorobenzene

Concen: Below Cal

RT: 15.01 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

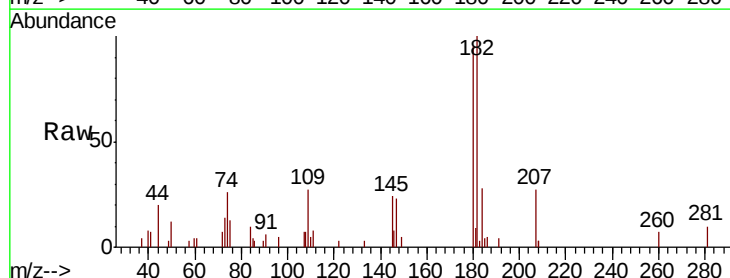
Tgt Ion: 180 Resp: 3225

Ion Ratio Lower Upper

180 100

182 98.6 47.3 142.0

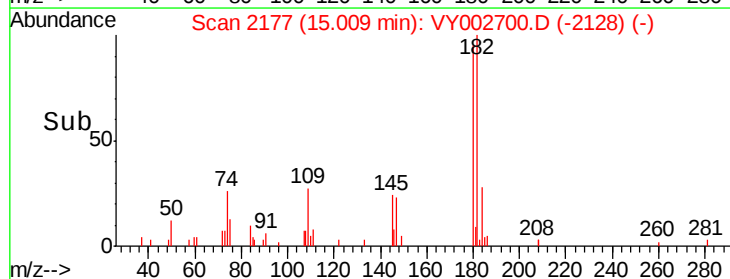
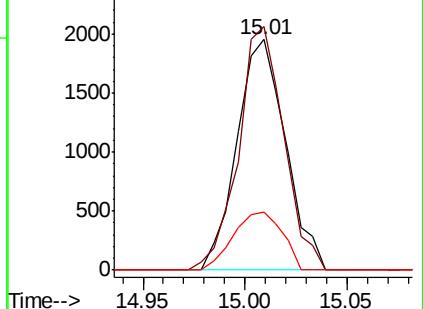
145 25.5 14.1 42.2

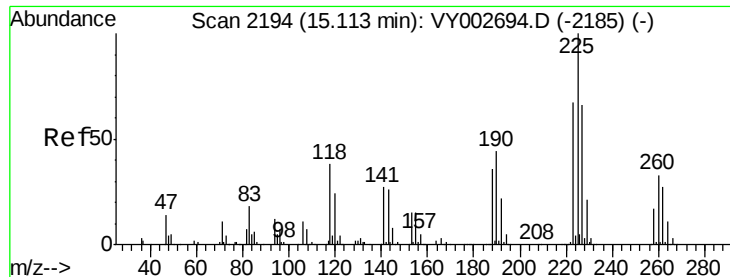


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.11 min Scan# 2193

Delta R.T. -0.01 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

Instrument :

MSVOA_Y

ClientSampled :

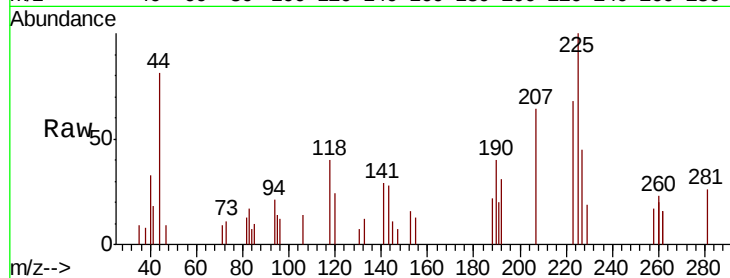
Tot Ion:225 Resp: 1171

Ion Ratio Lower Upper

225 100

223 64.8 31.6 94.8

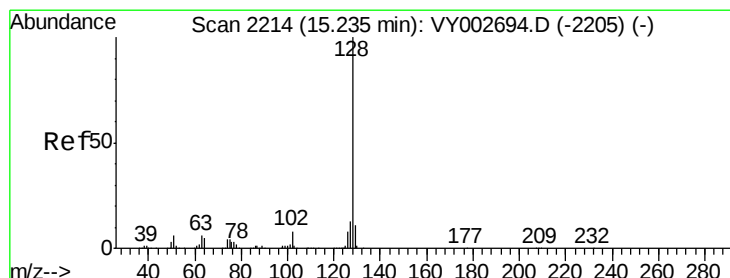
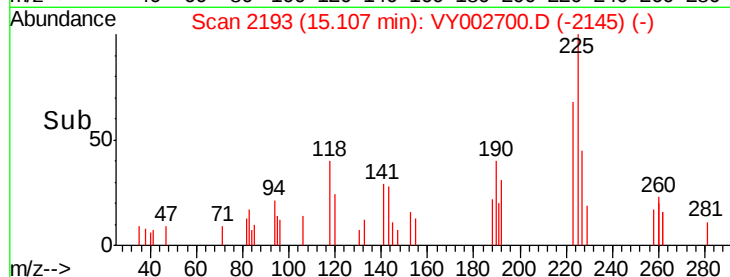
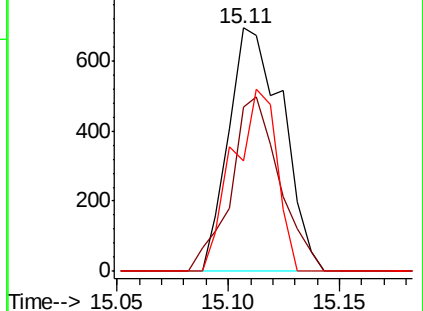
227 60.9 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.177 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

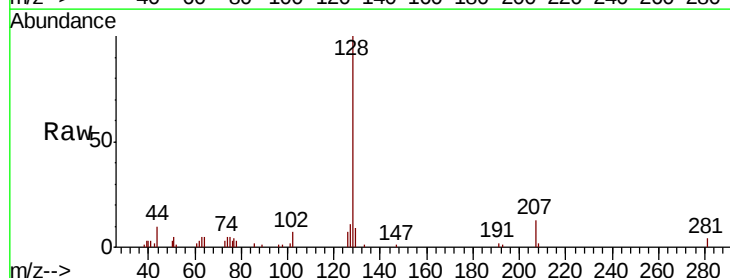
Tgt Ion:128 Resp: 9545

Ion Ratio Lower Upper

128 100

127 11.5 10.3 15.5

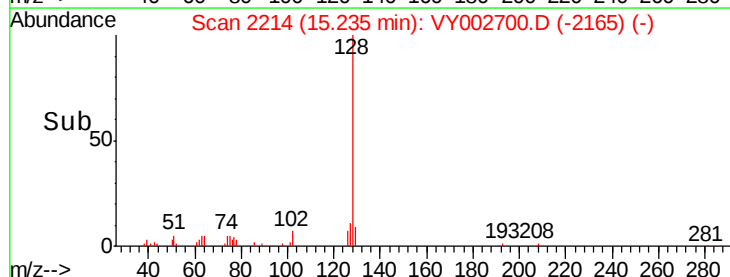
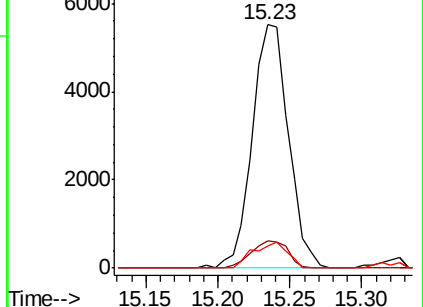
129 10.2 8.7 13.1

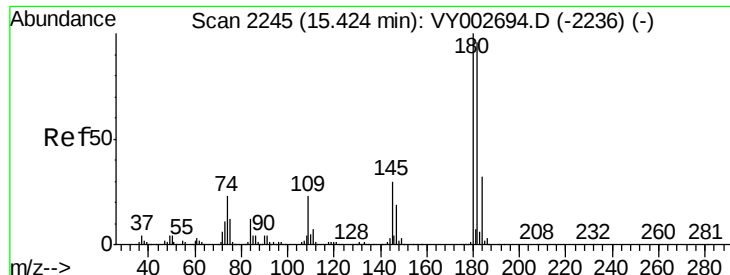


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY002700.D

Acq: 18 May 2020 10:47

Instrument :

MSVOA_Y

ClientSampleId :

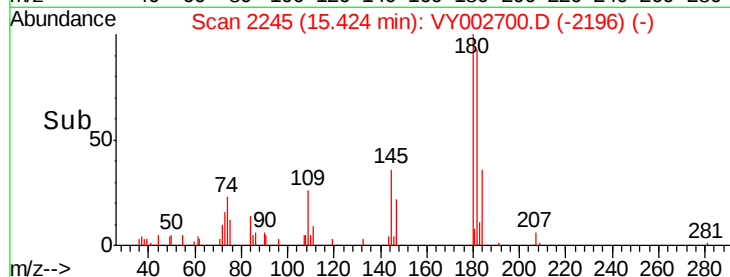
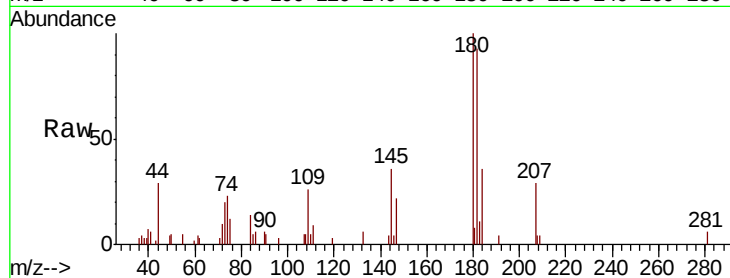
Tot Ion:180 Resp: 4112

Ion Ratio Lower Upper

180 100

182 99.4 47.6 142.9

145 32.4 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

