

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061820\
 Data File : VY002919.D
 Acq On : 18 Jun 2020 15:12
 Operator : SY/MD
 Sample : L3041-01
 Misc : 4.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 19 05:04:52 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	228361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	372447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	355457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	177936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	112826	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	7.72	113	111752	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.18	98	441349	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.48	95	148951	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

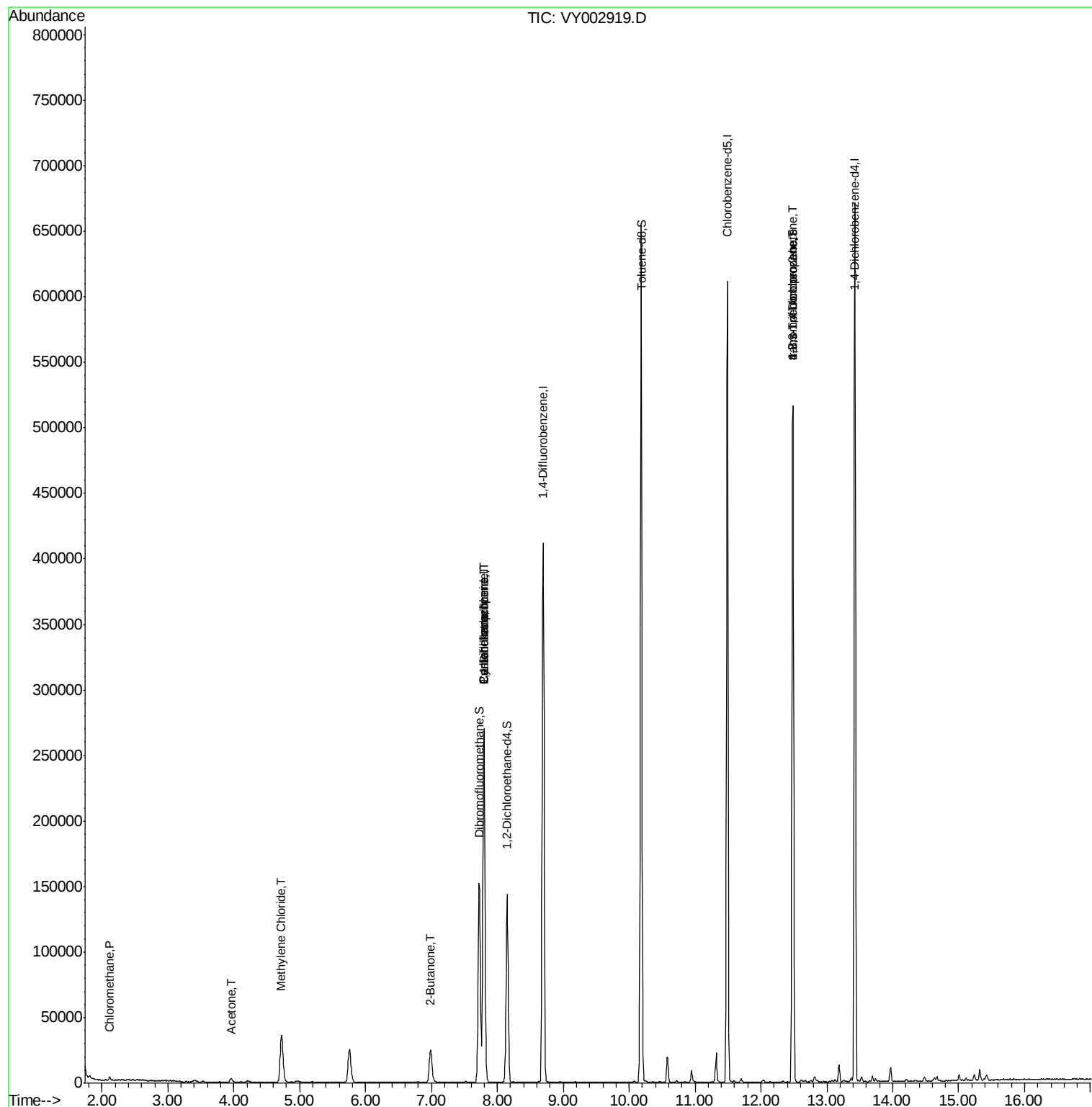
					Qvalue
3) Chloromethane	2.11	50	2765	1.591 ug/l	89
11) Tert butyl alcohol	4.96	59	1394	Below Cal	98
16) Acetone	3.96	43	4755	10.227 ug/l	91
18) Methyl Acetate	4.49	43	490	Below Cal #	48
20) Methylene Chloride	4.72	84	30420	13.388 ug/l	97
25) 2-Butanone	6.99	43	899	1.241 ug/l #	77
31) Cyclohexane	7.79	56	3654	1.087 ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13749	4.382 ug/l #	49
38) Carbon Tetrachloride	7.80	117	20969	6.016 ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	70495	43.968 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70495	82.836 ug/l #	17

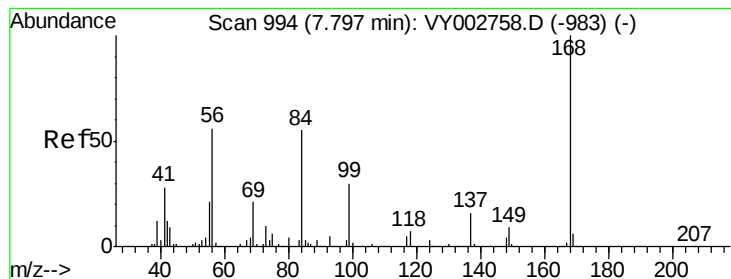
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
ClientSampled :

Quant Time: Jun 19 05:04:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
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: VY002919.D

Acq: 18 Jun 2020 15:12

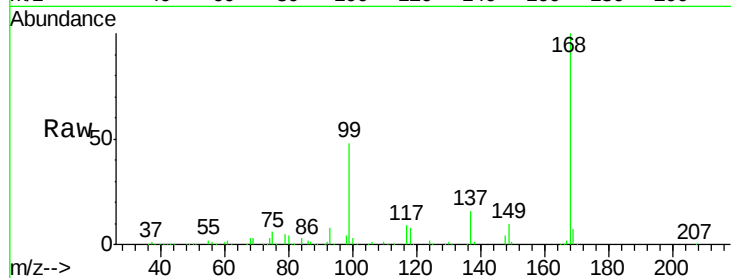
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 228361

Ion Ratio Lower Upper

168 100

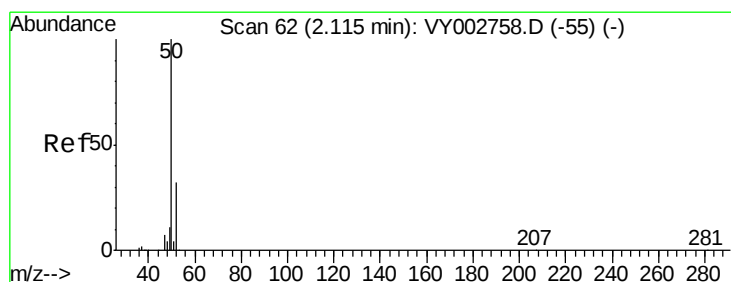
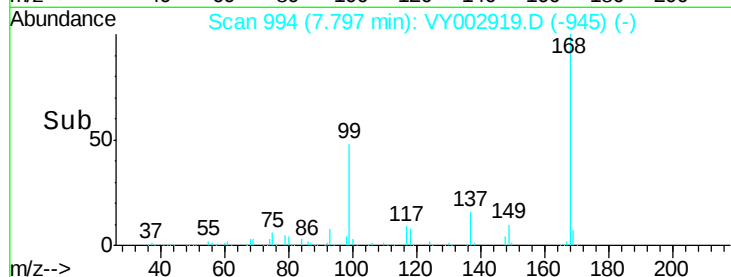
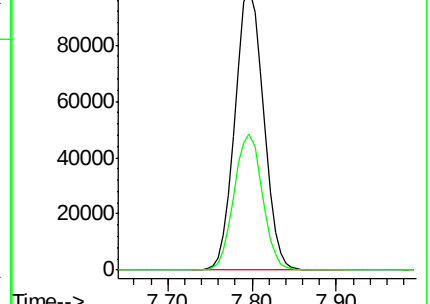
99 47.9 39.0 58.4



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



#3

Chloromethane

Concen: 1.591 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY002919.D

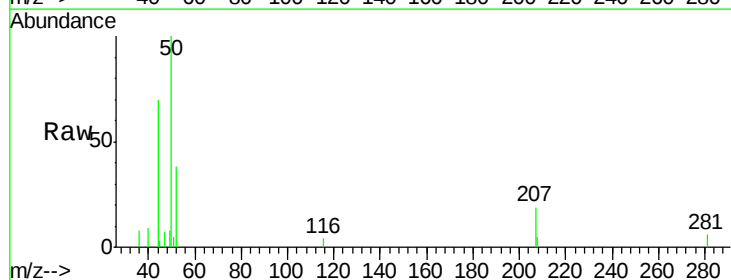
Acq: 18 Jun 2020 15:12

Tgt Ion: 50 Resp: 2765

Ion Ratio Lower Upper

50 100

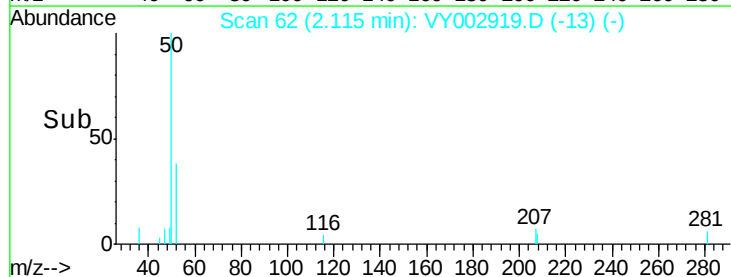
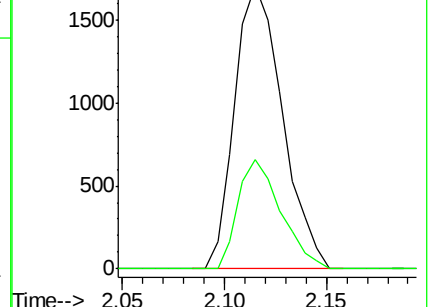
52 38.4 25.8 38.6

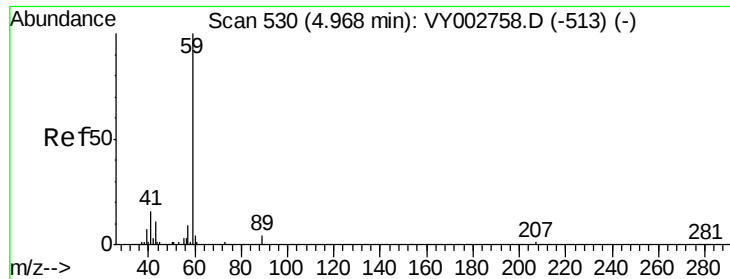


Abundance Ion 49.90 (49.60 to 50.60): VY002758.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002758.D (-55) (-)

2.11



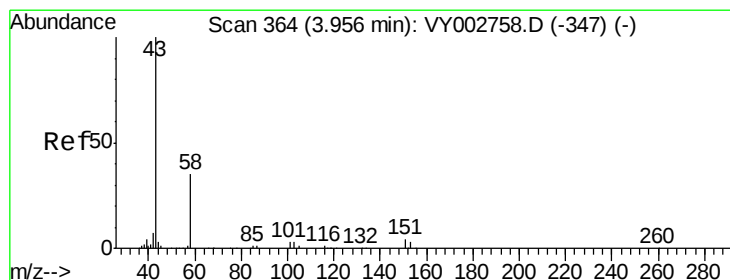
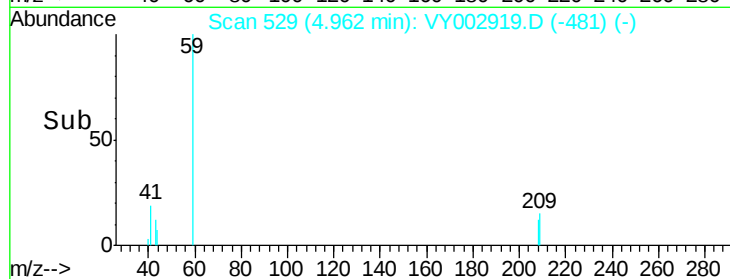
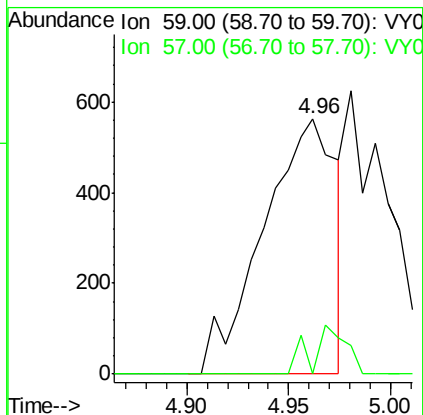
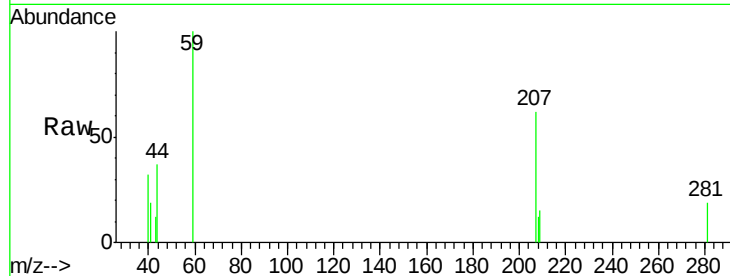


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY002919.D
 Acq: 18 Jun 2020 15:12

Instrument :
 MSVOA_Y
 ClientSampleId :

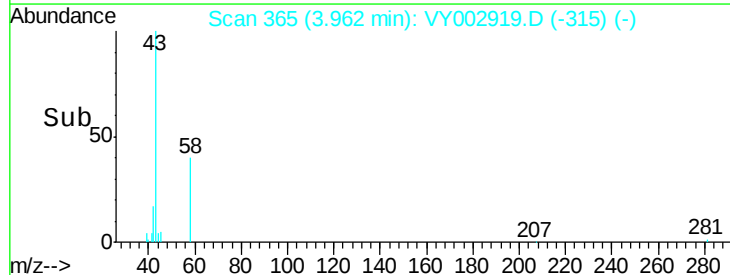
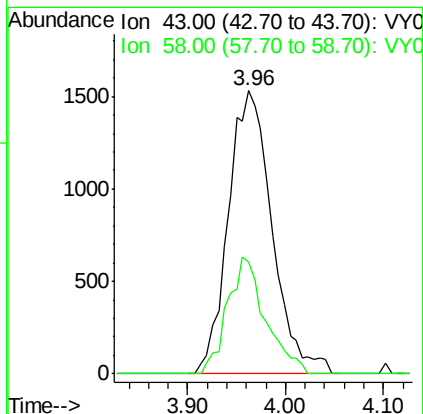
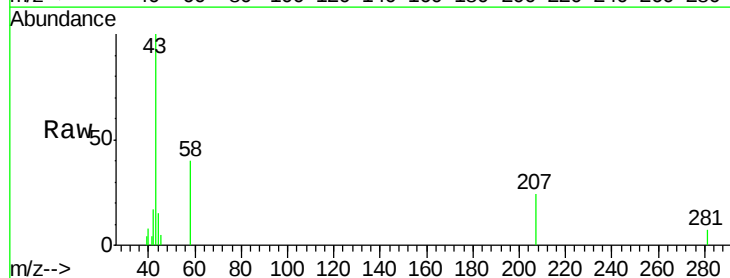
Tot Ion: 59 Resp: 1394
 Ion Ratio Lower Upper
 59 100
 57 8.8 7.7 11.5

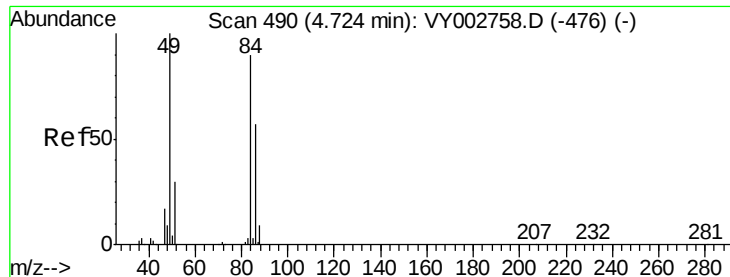


#16

Acetone
 Concen: 10.227 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY002919.D
 Acq: 18 Jun 2020 15:12

Tgt Ion: 43 Resp: 4755
 Ion Ratio Lower Upper
 43 100
 58 39.6 27.7 41.5

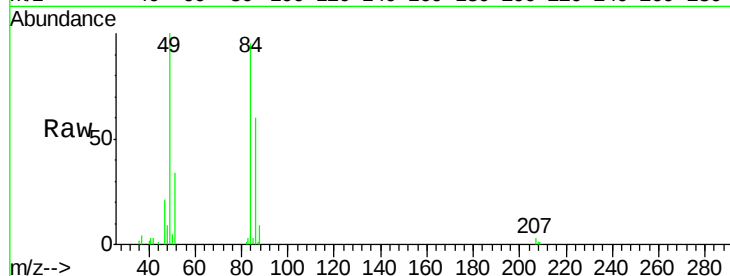




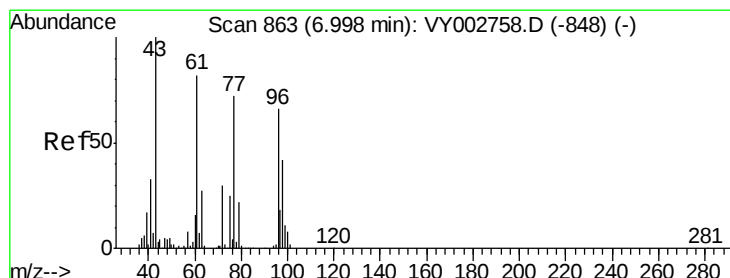
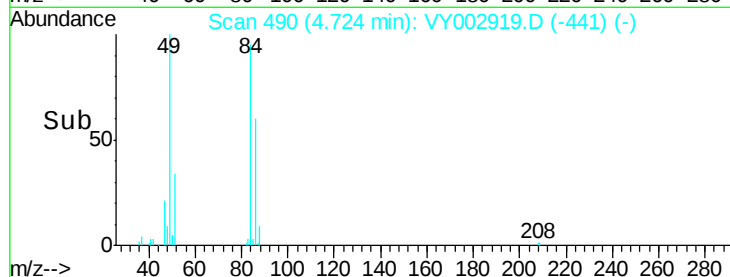
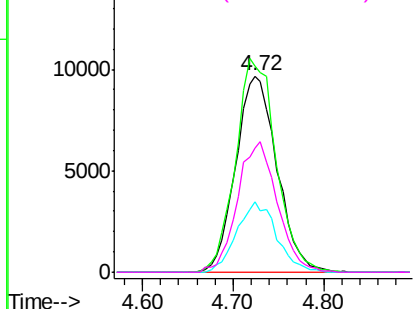
#20
Methvlene Chloride
Concen: 13.388 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY002919.D
Acq: 18 Jun 2020 15:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 30420
Ion Ratio Lower Upper
84 100
49 105.2 88.5 132.7
51 35.7 26.8 40.2
86 63.3 50.6 75.8

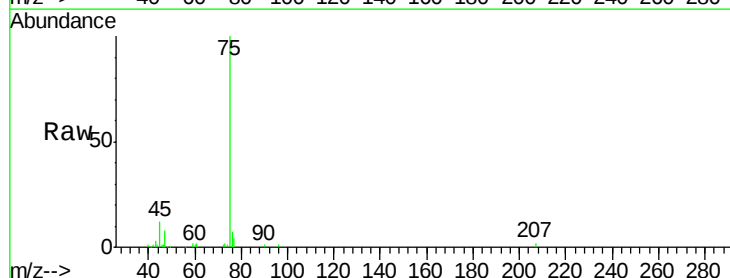


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

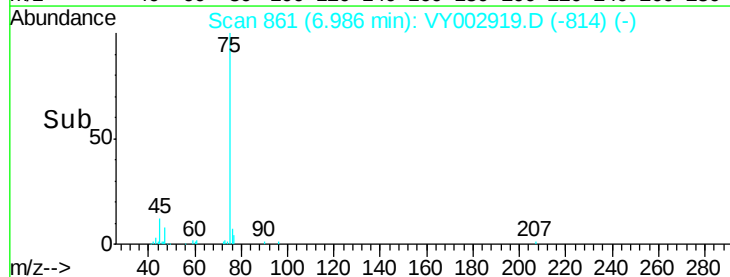
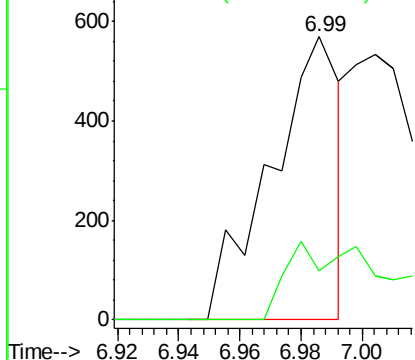


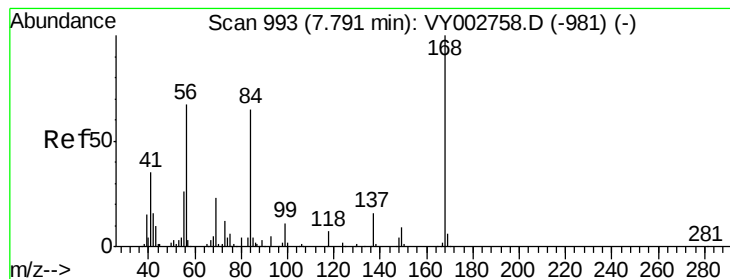
#25
2-Butanone
Concen: 1.241 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY002919.D
Acq: 18 Jun 2020 15:12

Tgt Ion: 43 Resp: 899
Ion Ratio Lower Upper
43 100
72 17.2 23.9 35.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY002919.D

Acq: 18 Jun 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

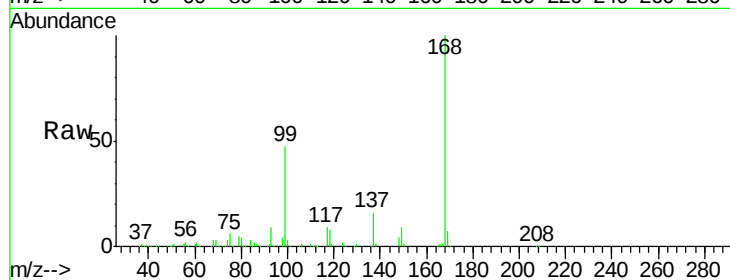
Tot Ion: 56 Resp: 3654

Ion Ratio Lower Upper

56 100

69 158.2 28.0 42.0#

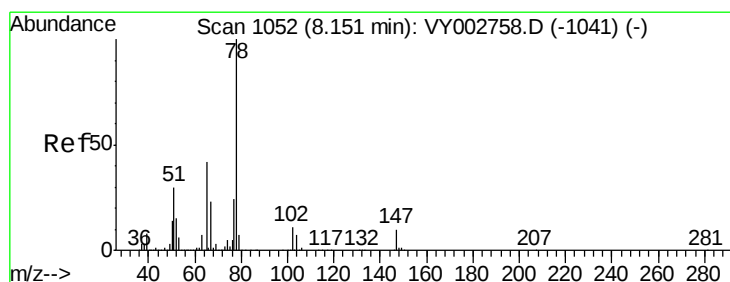
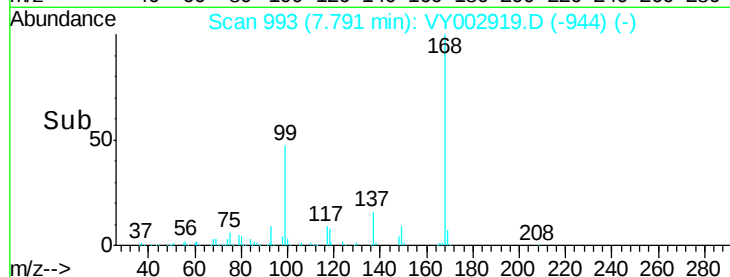
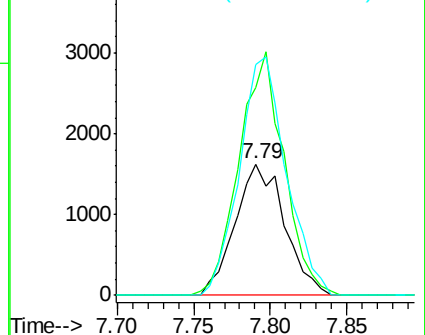
84 175.9 77.7 116.5#



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: 56.902 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY002919.D

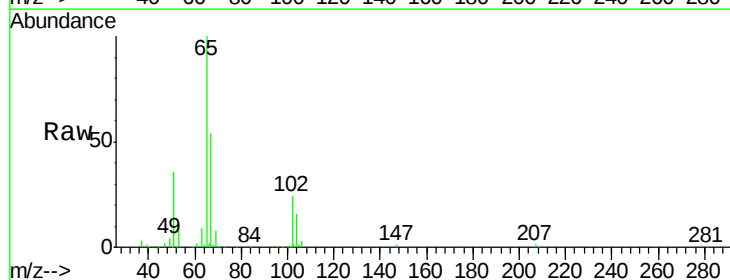
Acq: 18 Jun 2020 15:12

Tgt Ion: 65 Resp: 112826

Ion Ratio Lower Upper

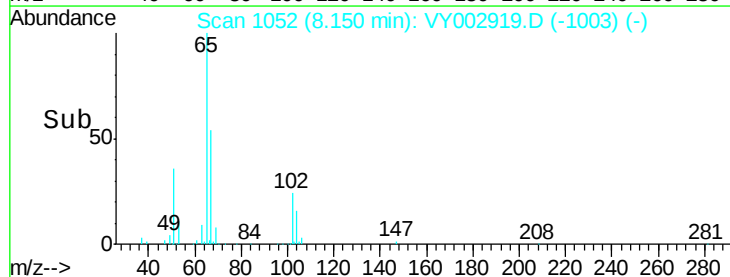
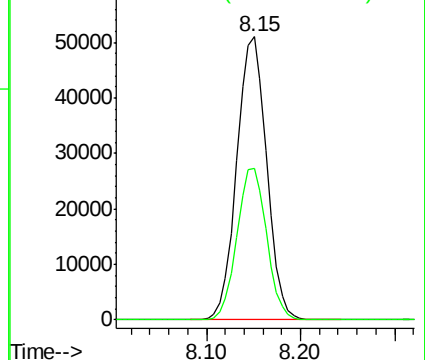
65 100

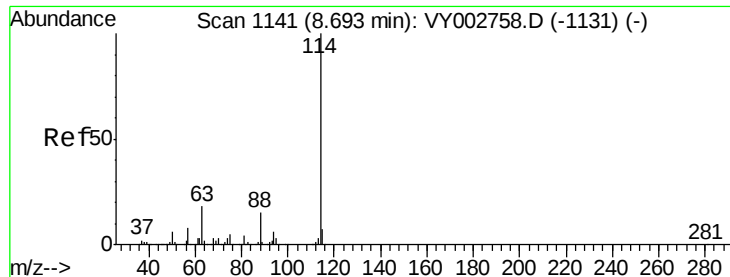
67 53.3 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

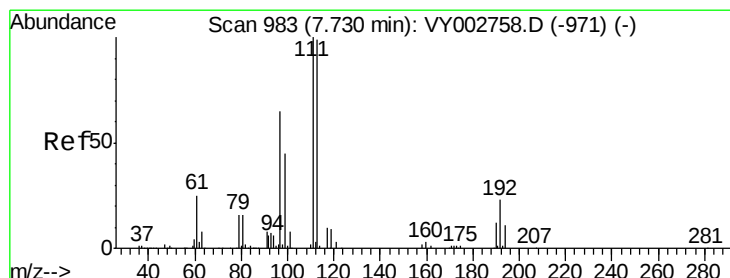
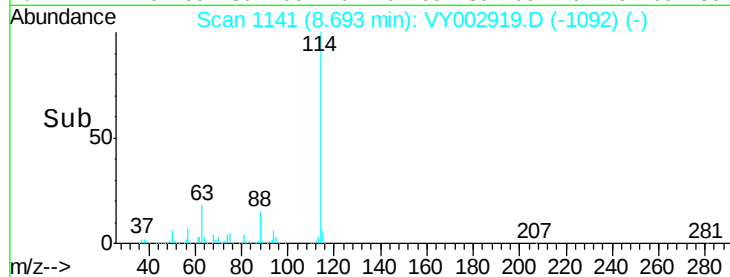
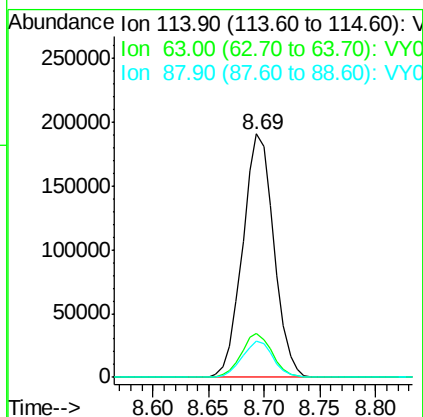
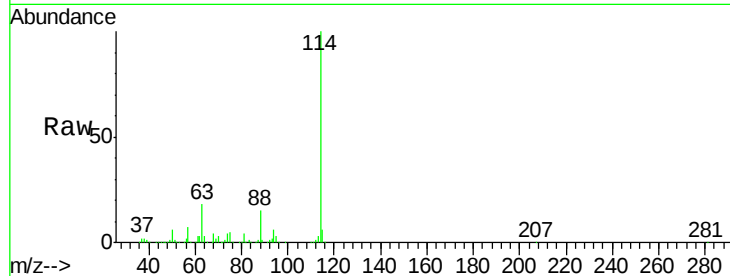




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY002919.D
 Acq: 18 Jun 2020 15:12

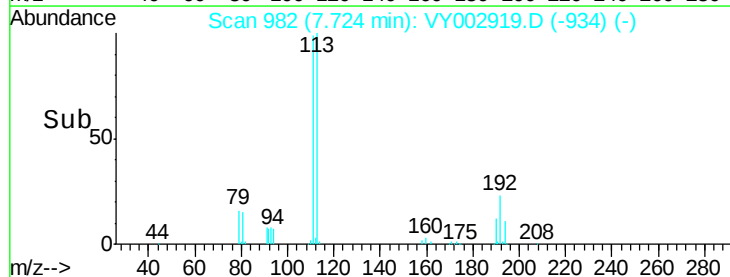
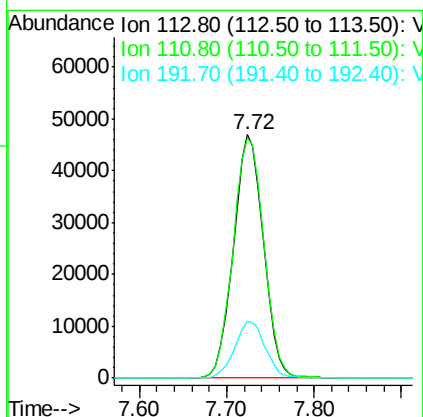
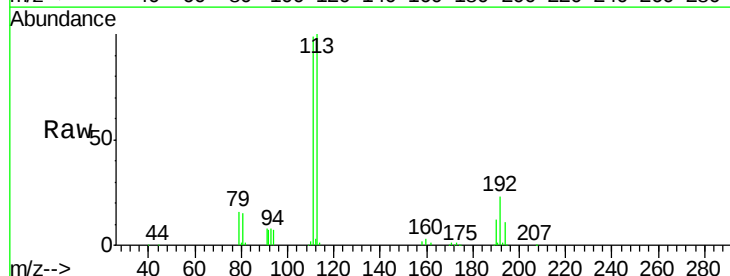
Instrument :
 MSVOA_Y
 ClientSampleId :

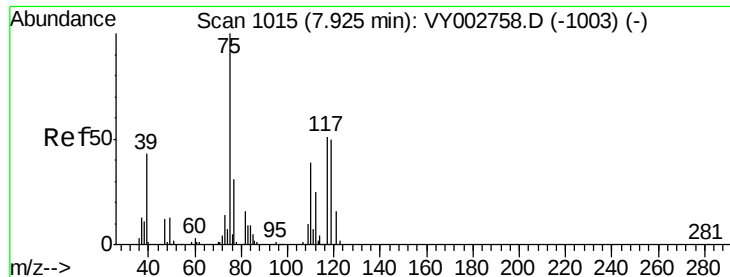
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.2
88	14.7	0.0	29.2



#35
 Dibromofluoromethane
 Concen: 51.198 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002919.D
 Acq: 18 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.0	123.0
192	23.7	18.9	28.3





#36

1,1-Dichloropropene

Concen: 4.382 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY002919.D

Acq: 18 Jun 2020 15:12

Instrument :

MSVOA_Y

ClientSampleId :

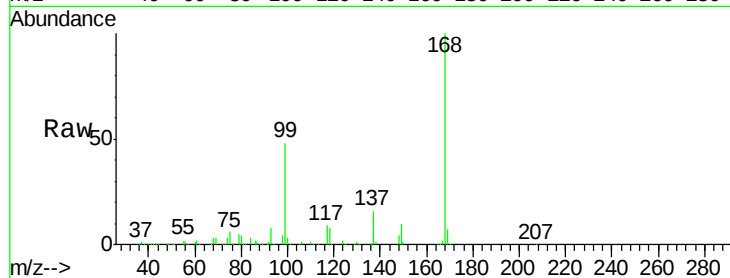
Tot Ion: 75 Resp: 13749

Ion Ratio Lower Upper

75 100

110 10.2 19.3 57.9#

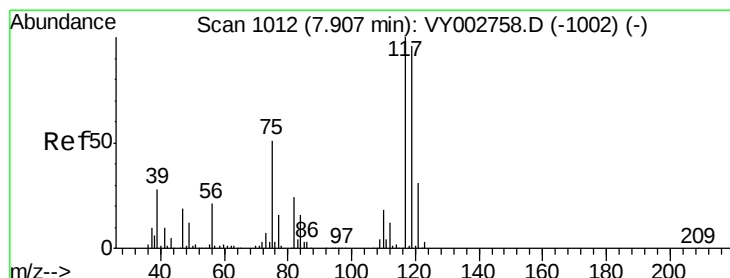
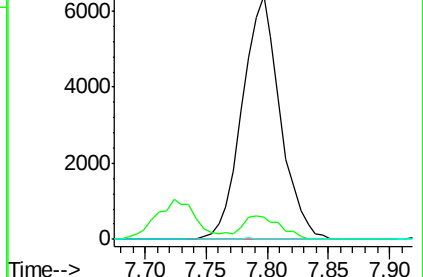
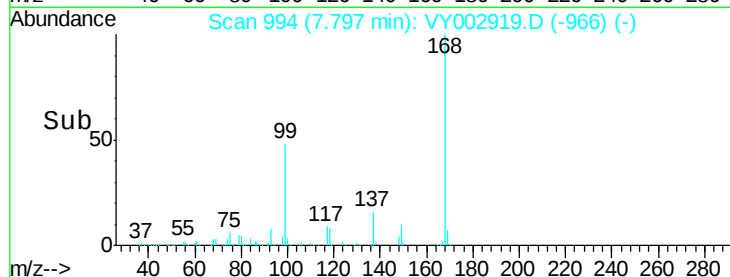
77 0.2 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VY002919.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY002919.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY002919.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.016 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY002919.D

Acq: 18 Jun 2020 15:12

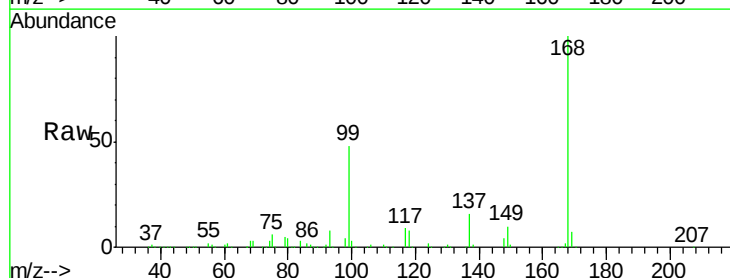
Tgt Ion: 117 Resp: 20969

Ion Ratio Lower Upper

117 100

119 4.1 76.8 115.2#

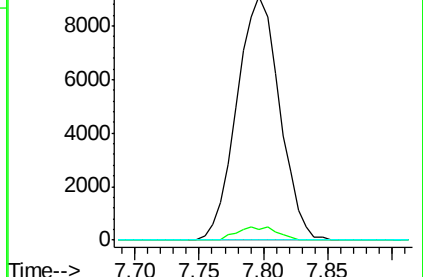
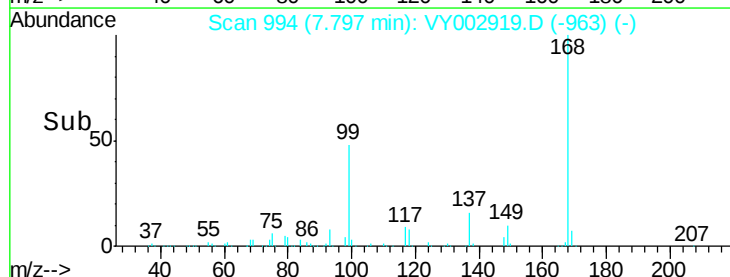
121 0.0 24.8 37.2#

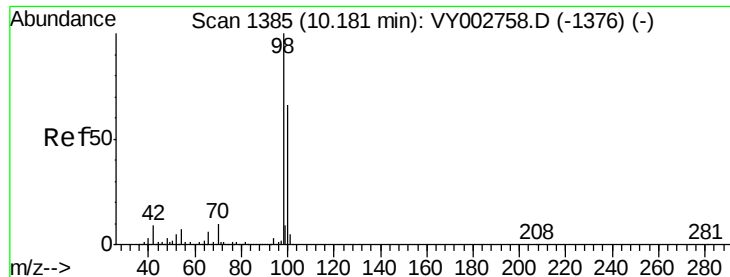


Abundance Ion 116.80 (116.50 to 117.50): VY002919.D (-963) (-)

Ion 118.80 (118.50 to 119.50): VY002919.D (-963) (-)

Ion 120.80 (120.50 to 121.50): VY002919.D (-963) (-)





#50

Toluene-d8

Concen: 50.009 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002919.D

Acq: 18 Jun 2020 15:12

Instrument :

MSVOA_Y

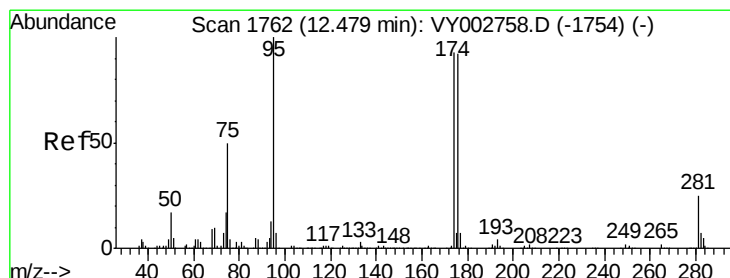
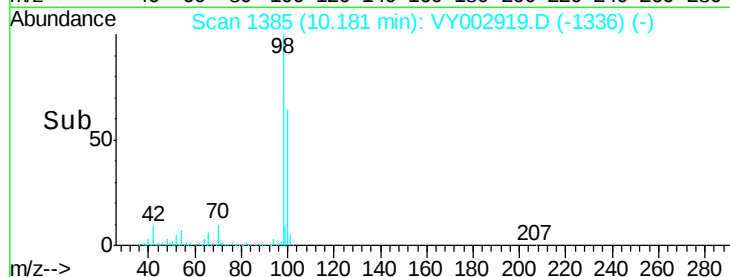
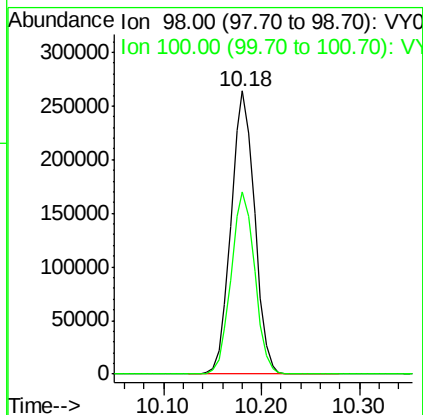
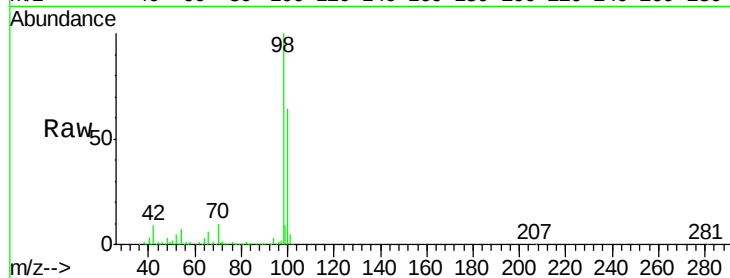
ClientSampleId :

Tot Ion: 98 Resp: 441349

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 49.386 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY002919.D

Acq: 18 Jun 2020 15:12

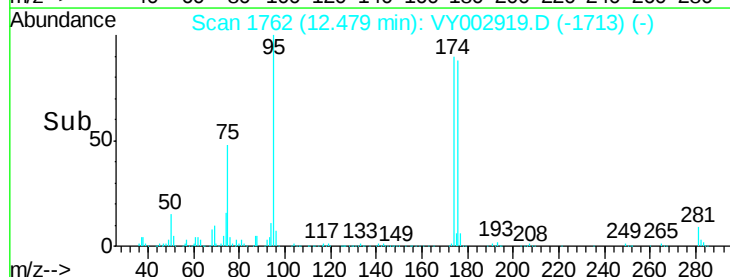
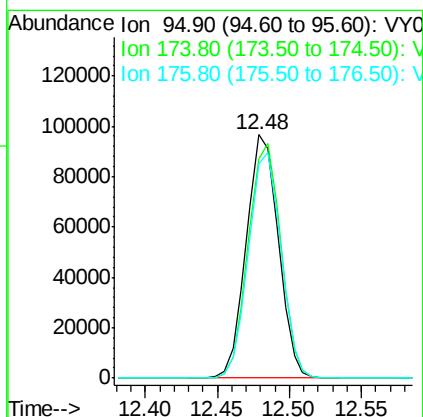
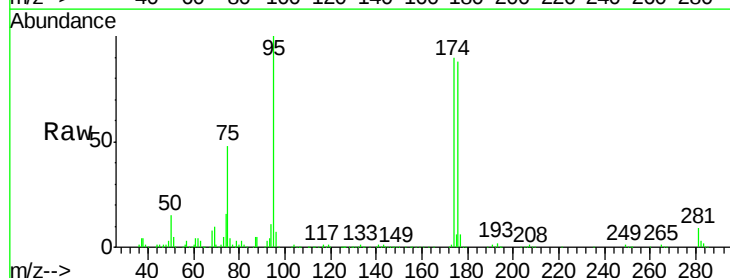
Tgt Ion: 95 Resp: 148951

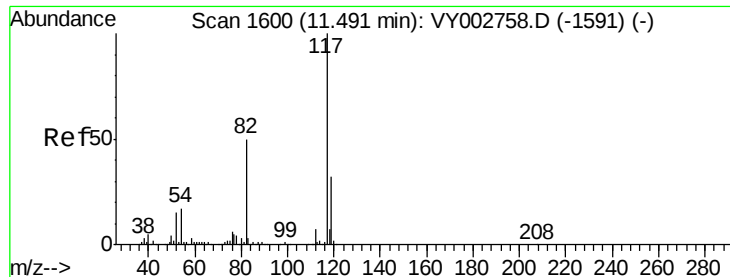
Ion Ratio Lower Upper

95 100

174 97.8 0.0 191.2

176 94.3 0.0 188.8

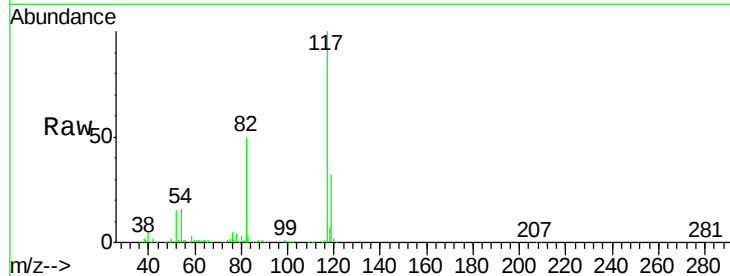




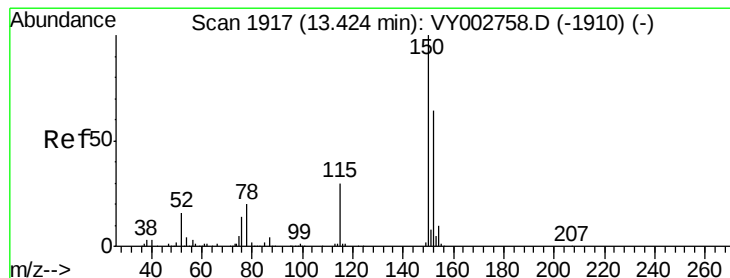
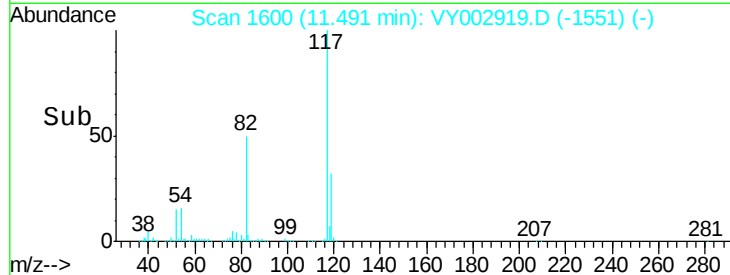
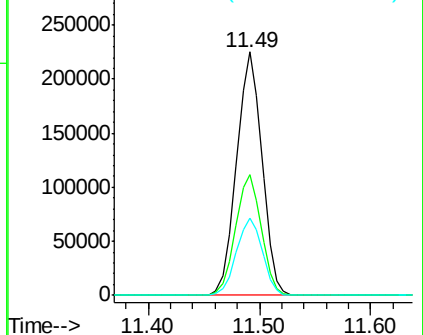
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002919.D
Acq: 18 Jun 2020 15:12

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	40.2	60.4
119	31.8	25.8	38.8

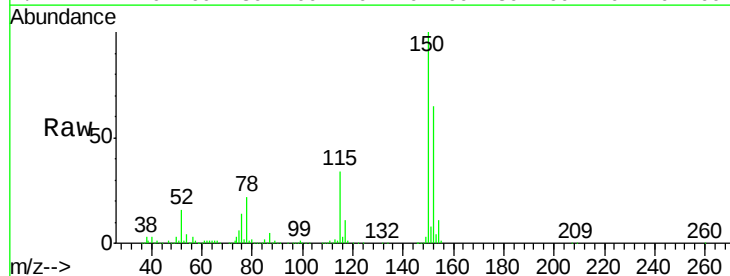


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

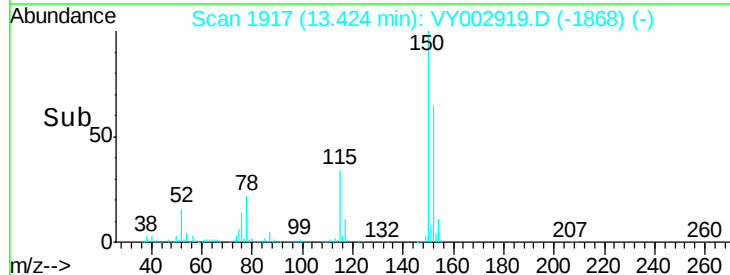
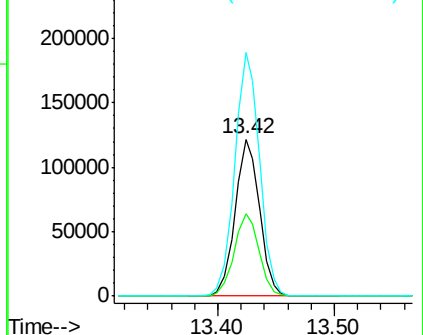


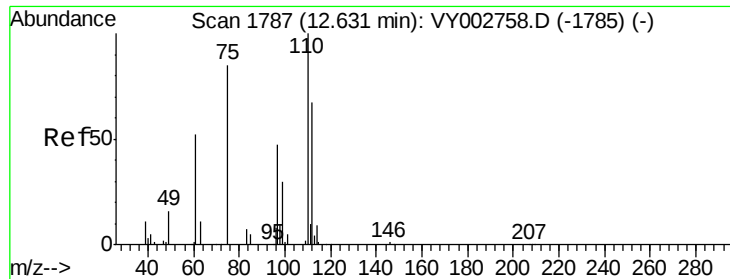
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002919.D
Acq: 18 Jun 2020 15:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	27.0	81.0
150	156.7	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: 43.968 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002919.D

Acq: 18 Jun 2020 15:12

Instrument :

MSVOA_Y

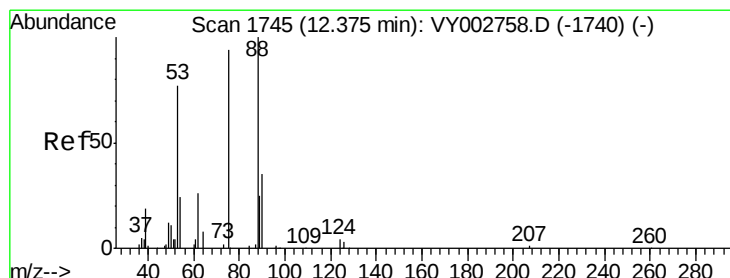
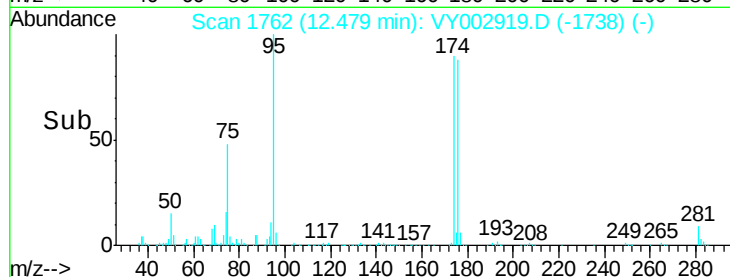
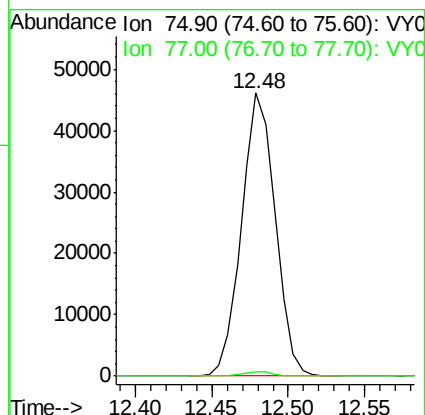
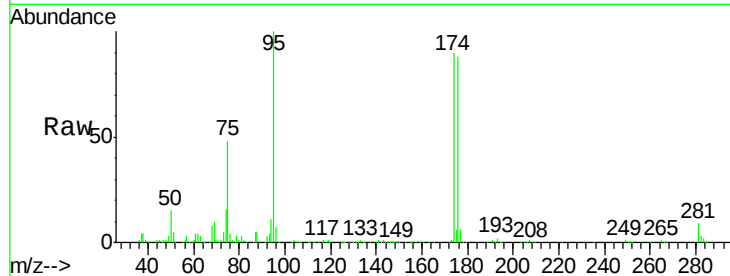
ClientSampled :

Tot Ion: 75 Resp: 70495

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.836 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002919.D

Acq: 18 Jun 2020 15:12

Tgt Ion: 75 Resp: 70495

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

89 0.2 37.4 56.2#

