

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000711.D
 Acq On : 15 Nov 2019 18:56
 Operator : SY/MD
 Sample : K5861-22
 Misc : 4.59G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:33:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	177105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	336077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	313745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	152452	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	112944	61.62	ug/l	0.00
Spiked Amount			Recovery	=	123.24%	
35) Dibromofluoromethane	7.72	113	101440	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.18	98	393892	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.48	95	144485	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	

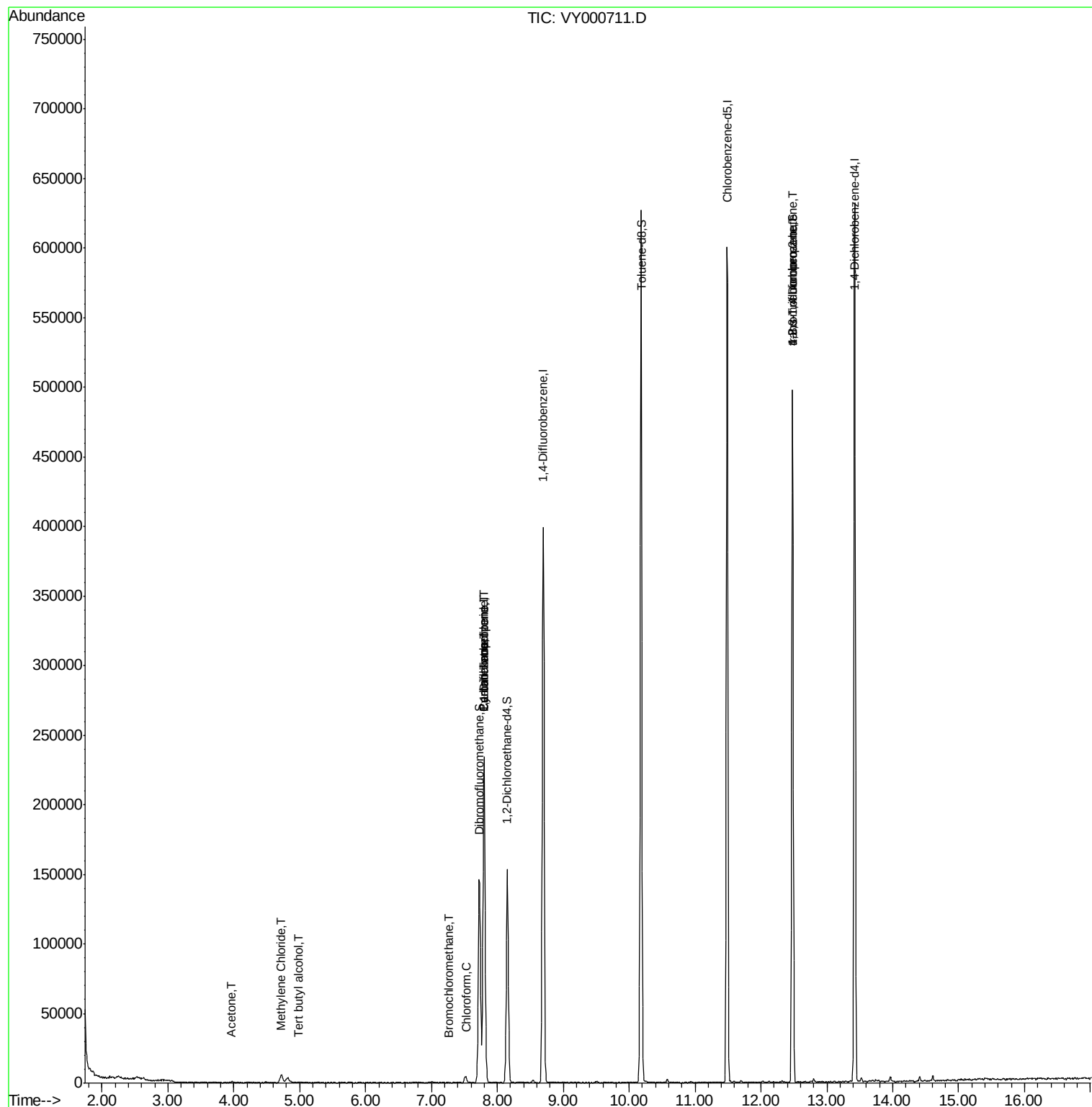
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	616	3.453	ug/l #	72
16) Acetone	3.96	43	928	1.837	ug/l	89
20) Methylene Chloride	4.72	84	3984	1.841	ug/l #	79
28) Bromochloromethane	7.27	49	40	4.116	ug/l #	14
30) Chloroform	7.52	83	4498	1.313	ug/l	96
31) Cyclohexane	7.80	56	4617	1.301	ug/l #	23
36) 1,1-Dichloropropene	7.79	75	14306	4.503	ug/l #	50
38) Carbon Tetrachloride	7.80	117	17902	5.856	ug/l #	13
76) 1,2,3-Trichloropropane	12.48	75	78625	45.294	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	78625	101.556	ug/l #	13

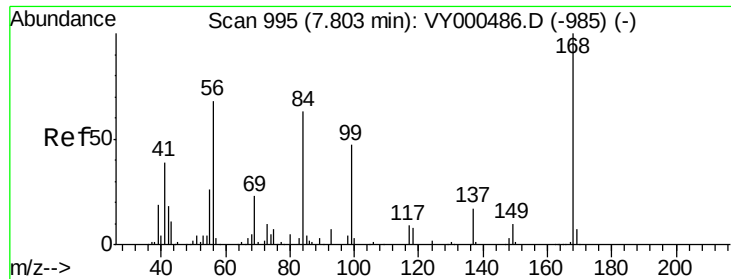
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 30 13:30:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

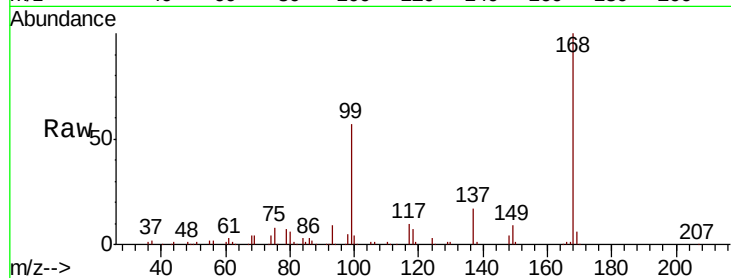
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 177105

Ion Ratio Lower Upper

168 100

99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

80000

60000

40000

20000

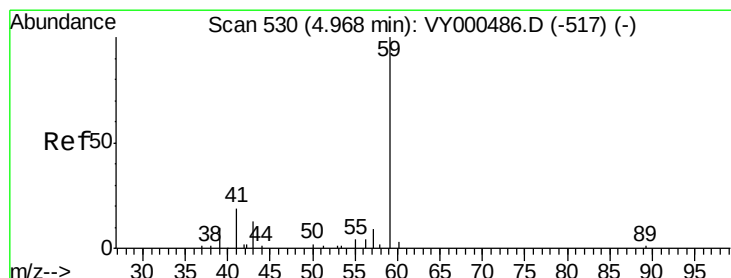
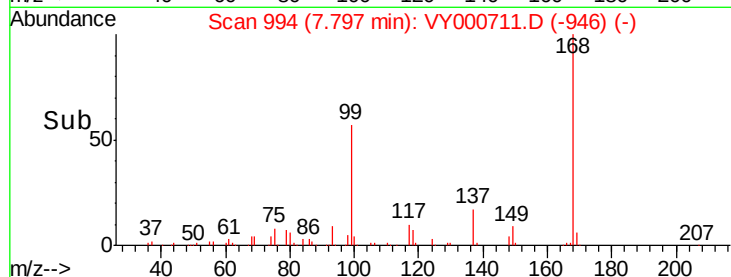
0

7.70

7.80

7.90

Time-->



#11

Tert butyl alcohol

Concen: 3.453 ug/l

RT: 4.98 min Scan# 532

Delta R.T. 0.01 min

Lab File: VY000711.D

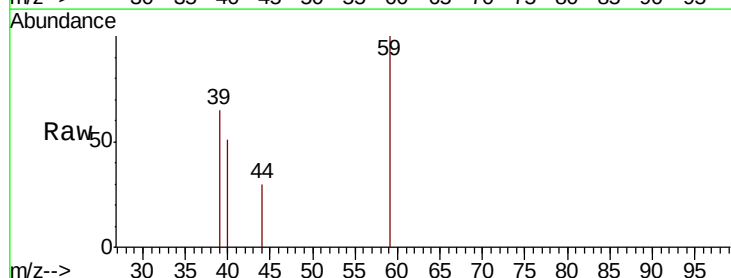
Acq: 15 Nov 2019 18:56

Tgt Ion: 59 Resp: 616

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000486.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY000486.D (-517) (-)

4.98

250

200

150

100

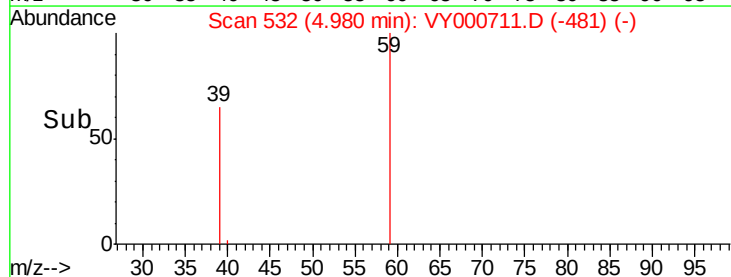
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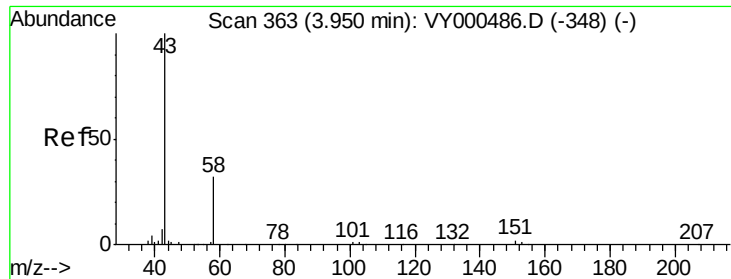
0

4.95

5.00

Time-->





#16

Acetone

Concen: 1.837 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

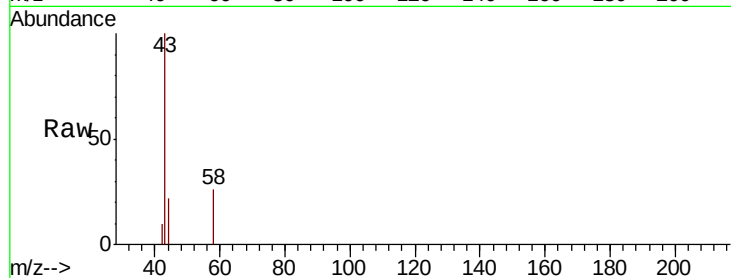
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 928

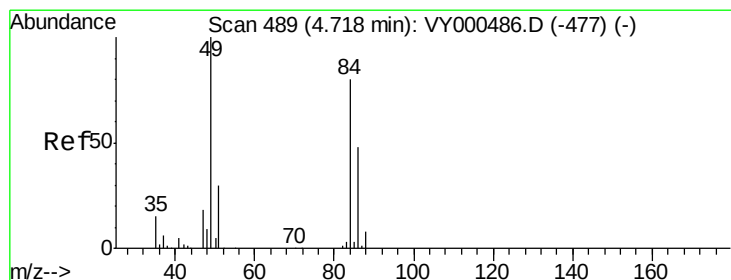
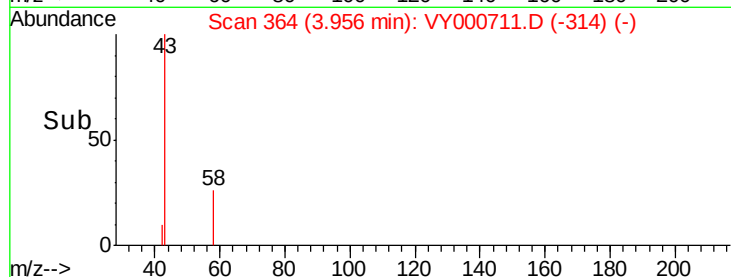
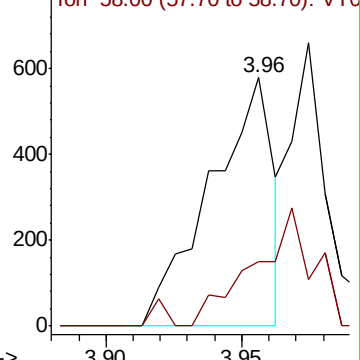
Ion Ratio Lower Upper

43 100

58 26.0 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY000711.D (-314) (-)



#20

Methylene Chloride

Concen: 1.841 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.00 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

Tgt Ion: 84 Resp: 3984

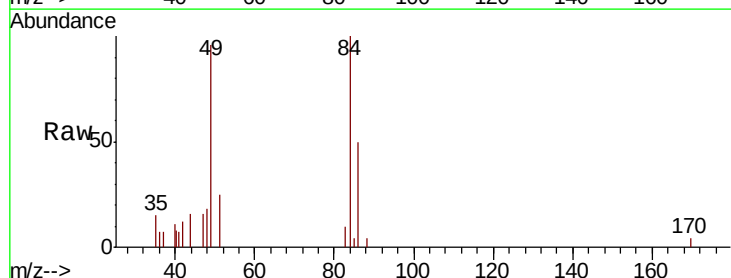
Ion Ratio Lower Upper

84 100

49 96.4 100.2 150.4#

51 24.8 29.6 44.4#

86 50.5 48.3 72.5

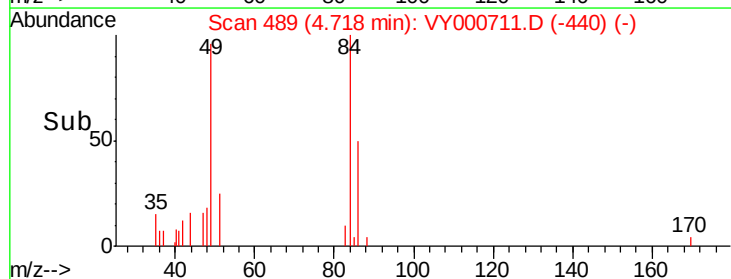


Abundance Ion 83.90 (83.60 to 84.60): VY000711.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY000711.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000711.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY000711.D (-440) (-)



Abundance Ion 83.90 (83.60 to 84.60): VY000711.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY000711.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000711.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY000711.D (-440) (-)

Abundance Ion 83.90 (83.60 to 84.60): VY000711.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY000711.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000711.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY000711.D (-440) (-)

Abundance Ion 83.90 (83.60 to 84.60): VY000711.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY000711.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000711.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY000711.D (-440) (-)

Abundance Ion 83.90 (83.60 to 84.60): VY000711.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY000711.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000711.D (-440) (-)

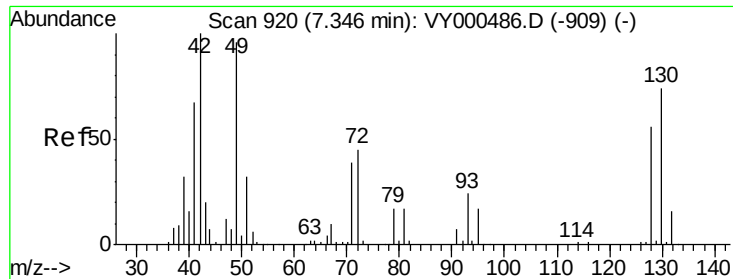
Ion 85.90 (85.60 to 86.60): VY000711.D (-440) (-)

Abundance Ion 83.90 (83.60 to 84.60): VY000711.D (-440) (-)

Ion 48.90 (48.60 to 49.60): VY000711.D (-440) (-)

Ion 50.90 (50.60 to 51.60): VY000711.D (-440) (-)

Ion 85.90 (85.60 to 86.60): VY000711.D (-440) (-)



#28

Bromochloromethane

Concen: 4.116 ug/l

RT: 7.27 min Scan# 907

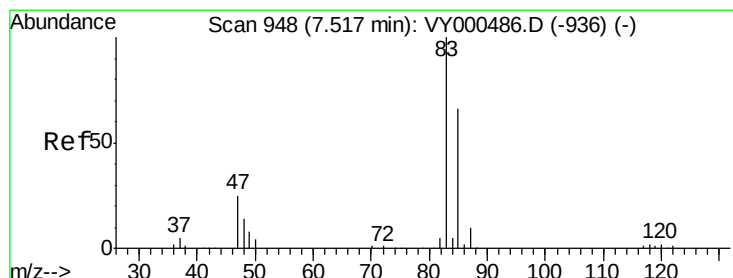
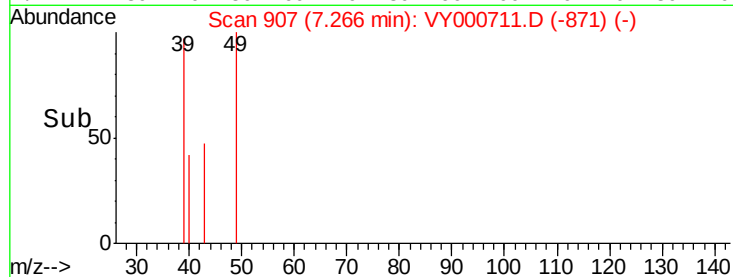
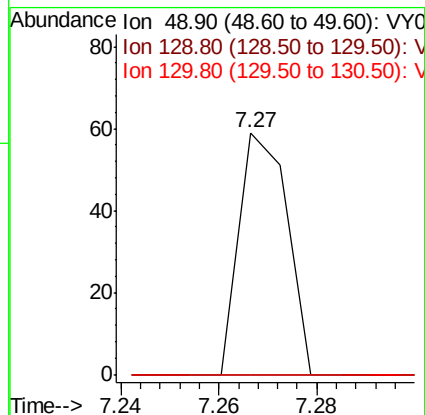
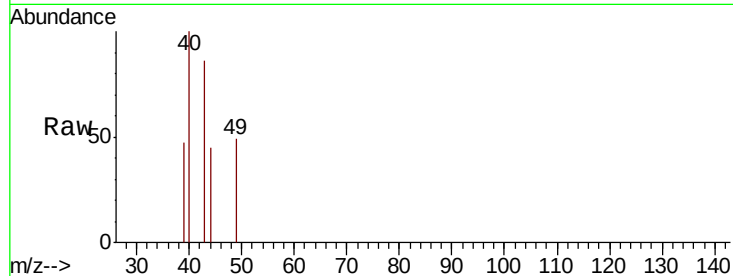
Delta R.T. -0.08 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 40
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#30

Chloroform

Concen: 1.313 ug/l

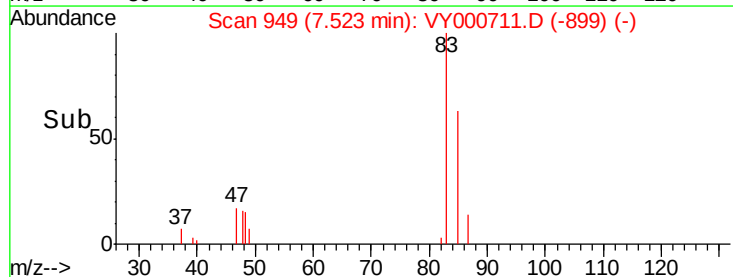
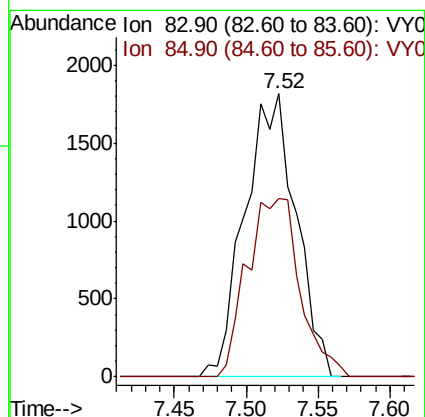
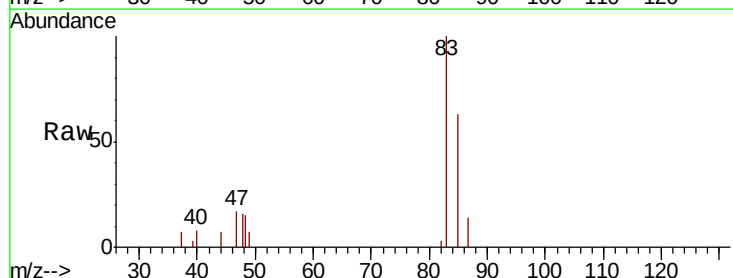
RT: 7.52 min Scan# 949

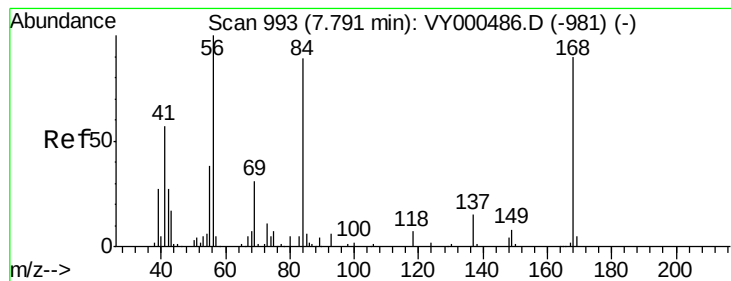
Delta R.T. 0.01 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

Tgt Ion: 83 Resp: 4498
Ion Ratio Lower Upper
83 100
85 63.0 53.0 79.4





#31

Cyclohexane

Concen: 1.301 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

Instrument :

MSVOA_Y

ClientSampleId :

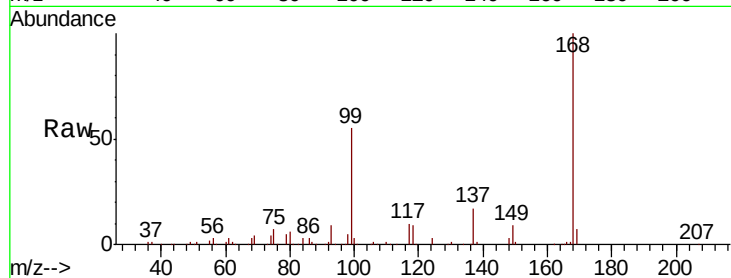
Tot Ion: 56 Resp: 4617

Ion Ratio Lower Upper

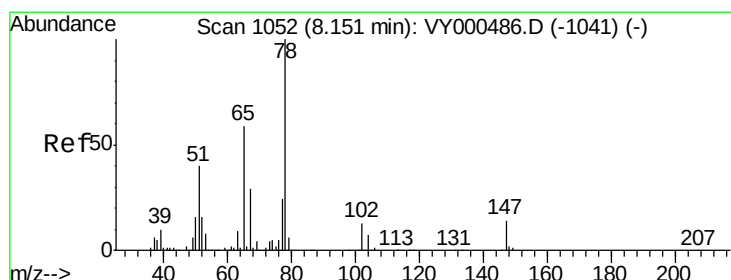
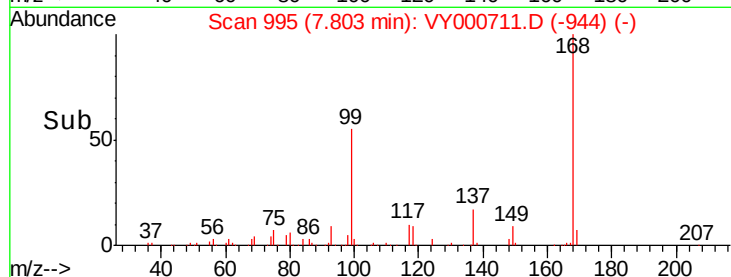
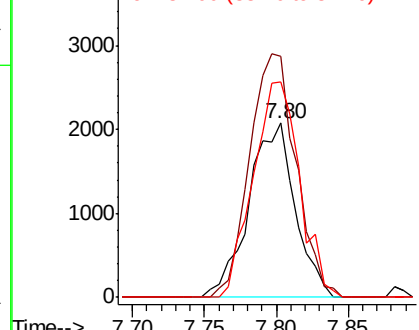
56 100

69 138.5 25.0 37.6#

84 123.3 71.4 107.2#



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: 61.624 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000711.D

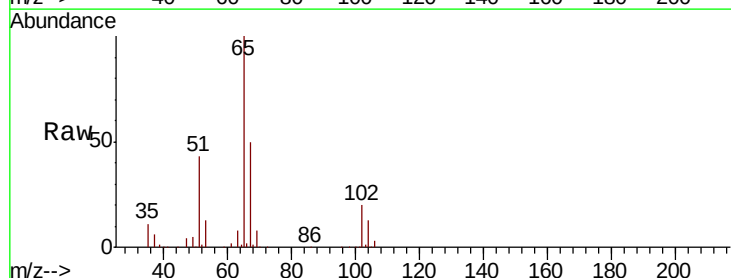
Acq: 15 Nov 2019 18:56

Tgt Ion: 65 Resp: 112944

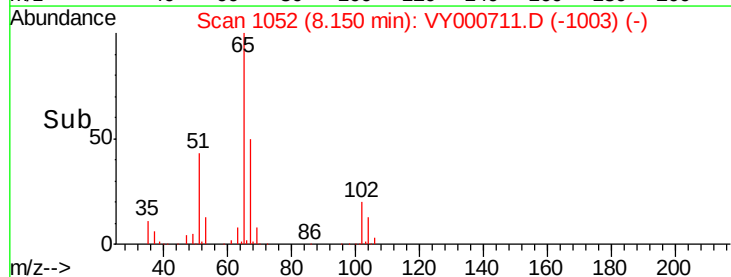
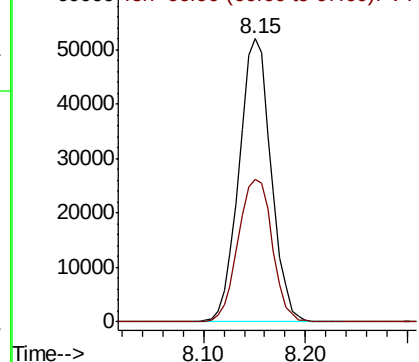
Ion Ratio Lower Upper

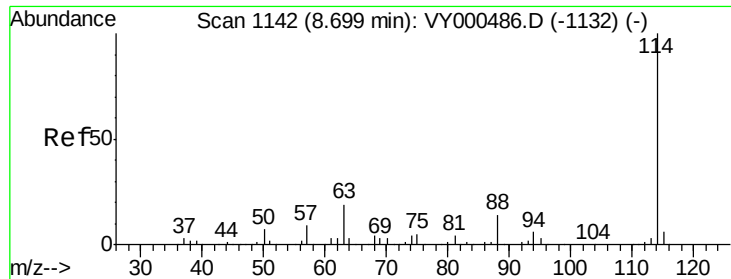
65 100

67 53.8 0.0 107.2



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

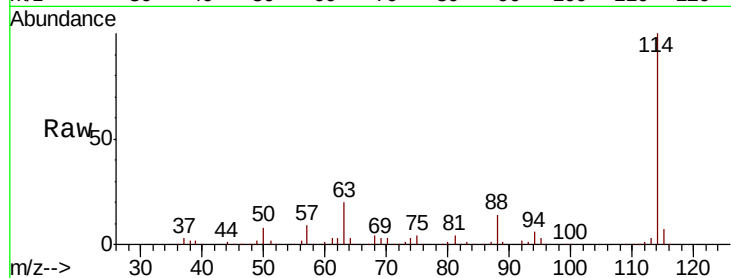




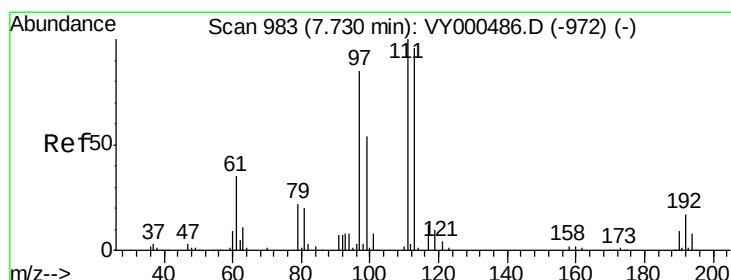
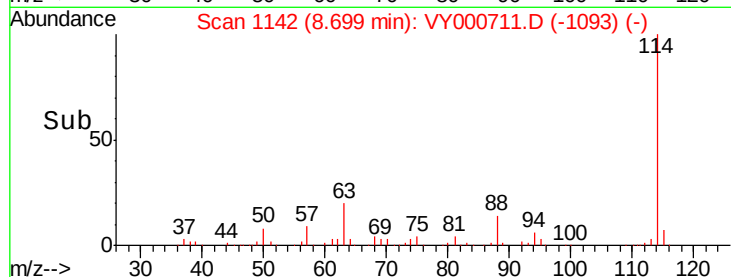
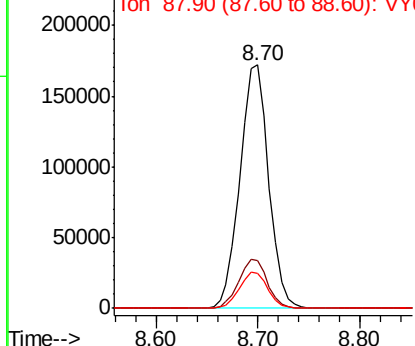
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000711.D
 Acq: 15 Nov 2019 18:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	14.4	0.0	28.6

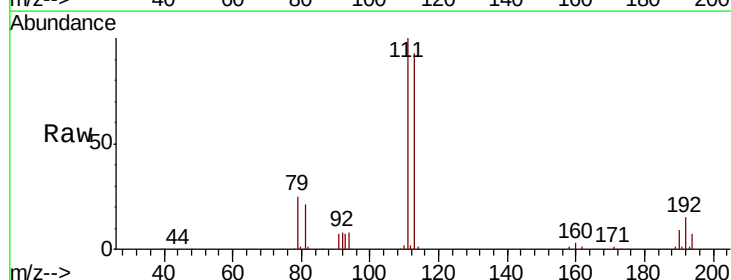


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

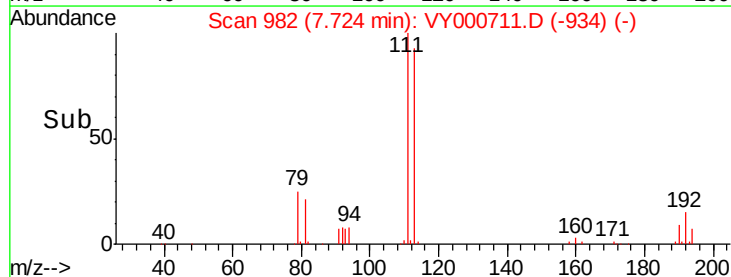
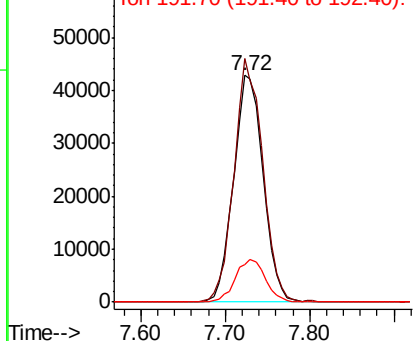


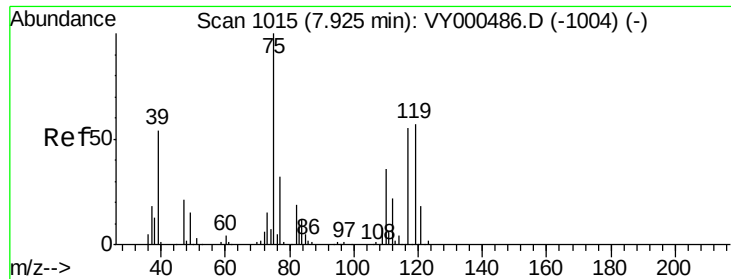
#35
 Dibromofluoromethane
 Concen: 51.414 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000711.D
 Acq: 15 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.7	122.5
192	18.9	15.0	22.4



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

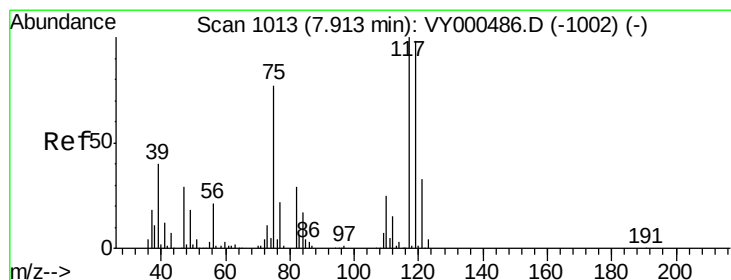
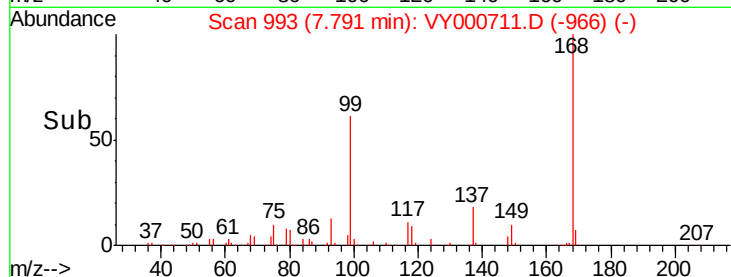
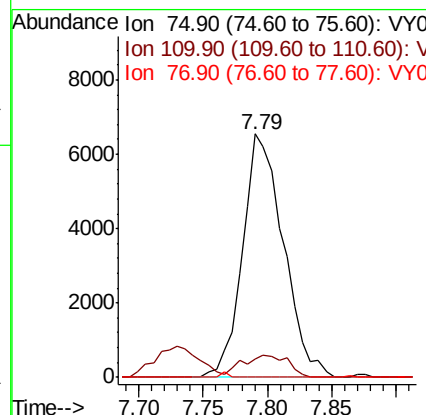
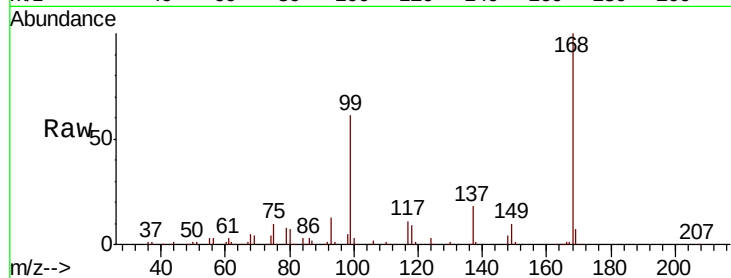




#36
 1,1-Dichloropropene
 Concen: 4.503 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000711.D
 Acq: 15 Nov 2019 18:56

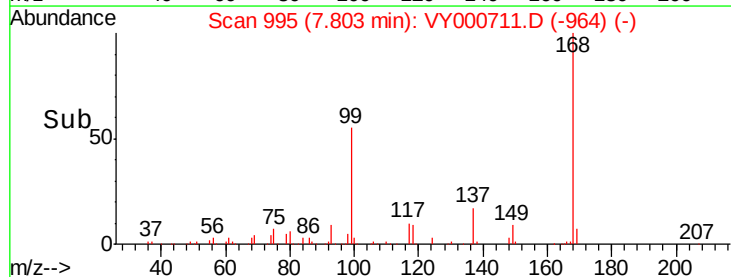
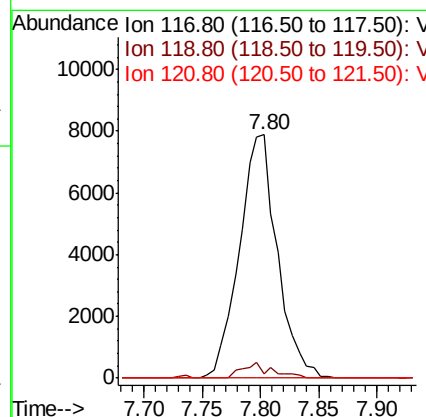
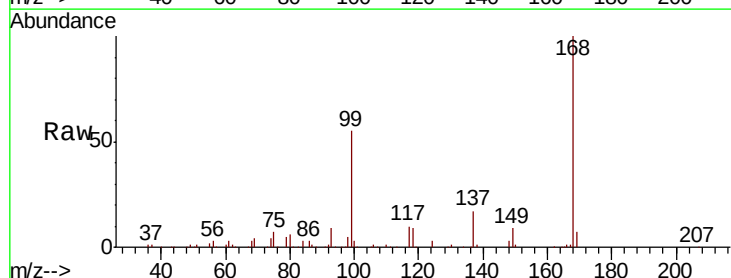
Instrument :
 MSVOA_Y
 ClientSampleId :

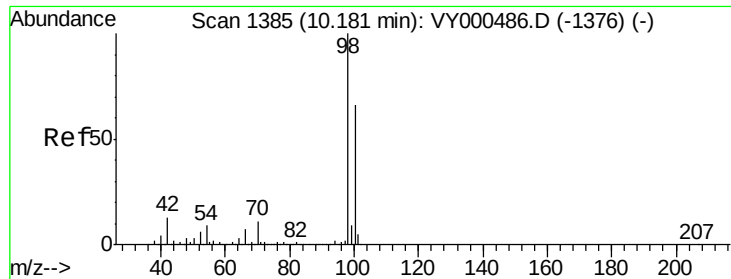
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.3	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.856 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000711.D
 Acq: 15 Nov 2019 18:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	1.9	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 52.614 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

Instrument :

MSVOA_Y

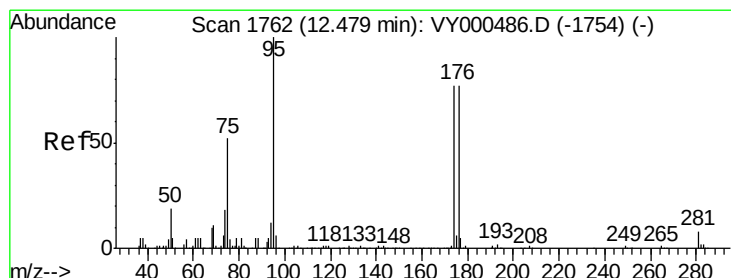
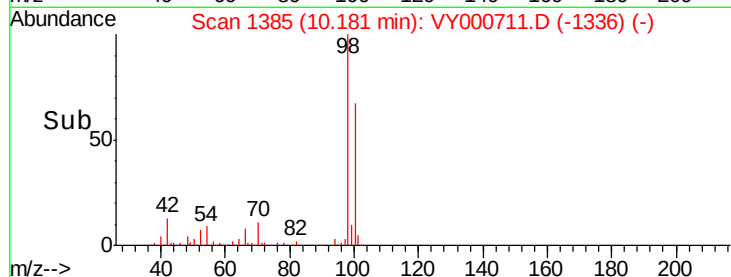
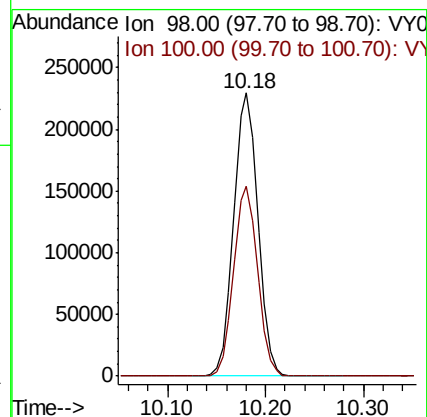
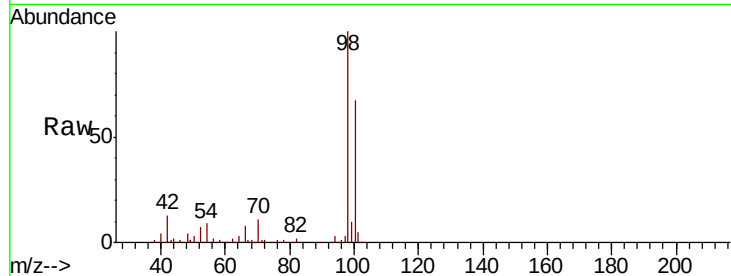
ClientSampled :

Tot Ion: 98 Resp: 393892

Ion Ratio Lower Upper

98 100

100 66.4 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 50.696 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000711.D

Acq: 15 Nov 2019 18:56

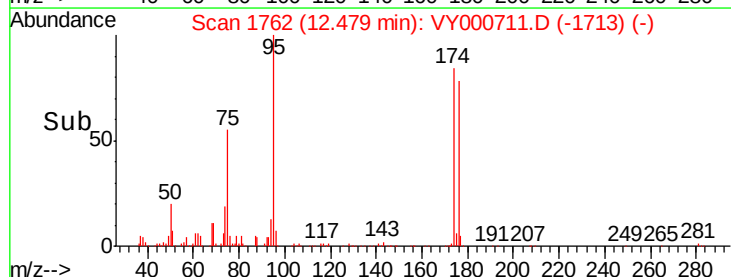
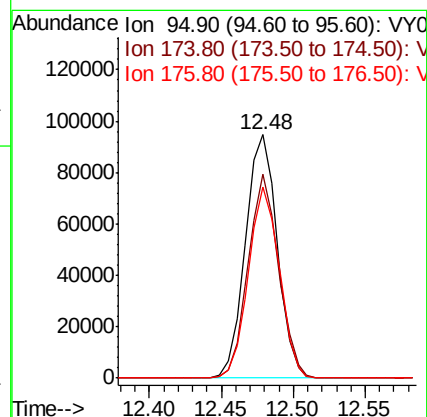
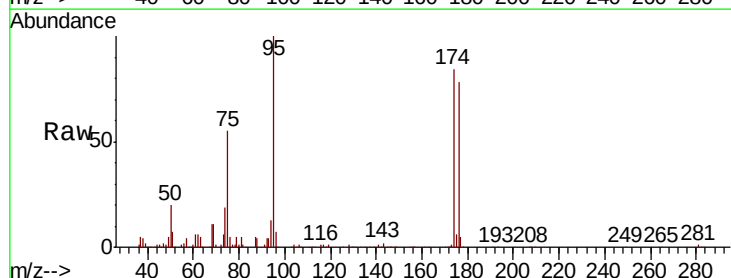
Tgt Ion: 95 Resp: 144485

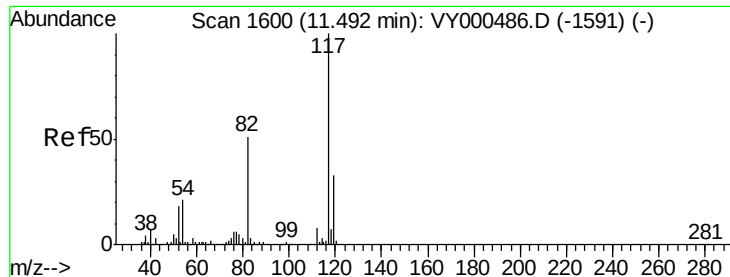
Ion Ratio Lower Upper

95 100

174 80.5 0.0 161.6

176 76.3 0.0 157.8

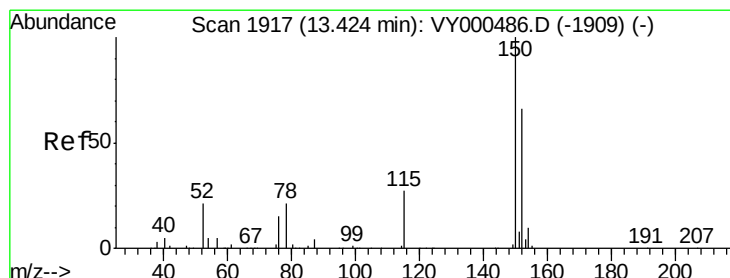
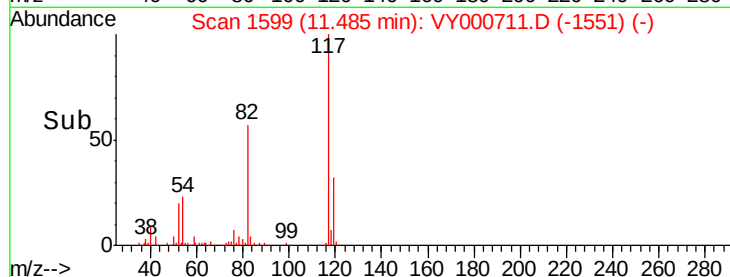
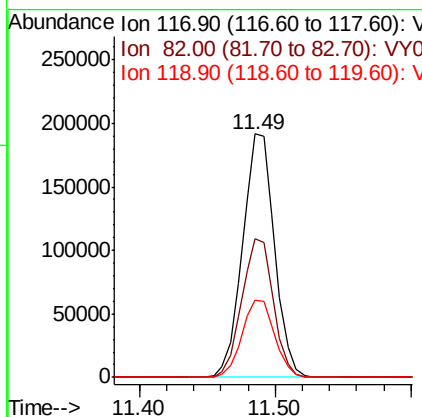
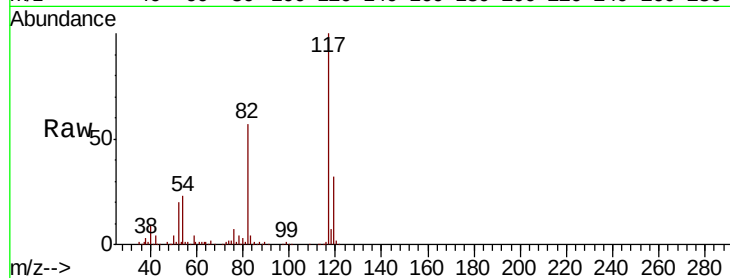




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000711.D
Acq: 15 Nov 2019 18:56

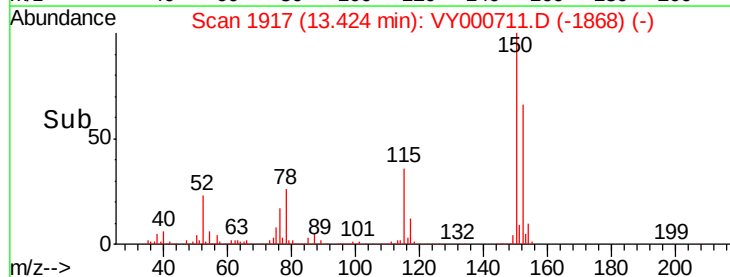
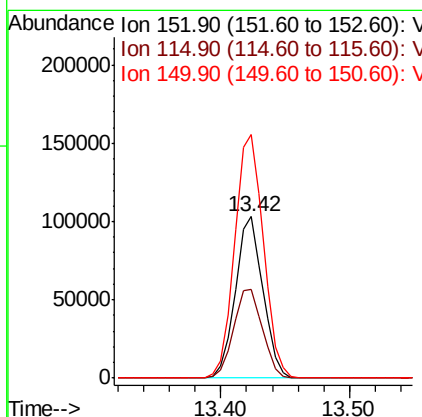
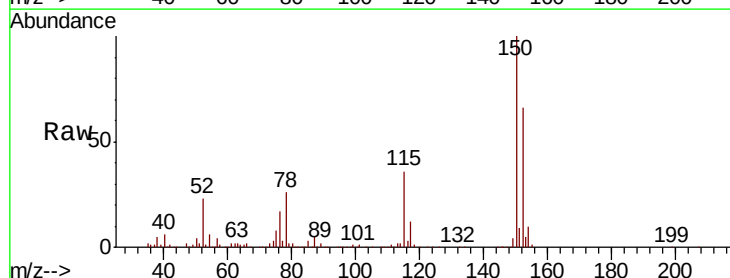
Instrument :
MSVOA_Y
ClientSampleId :

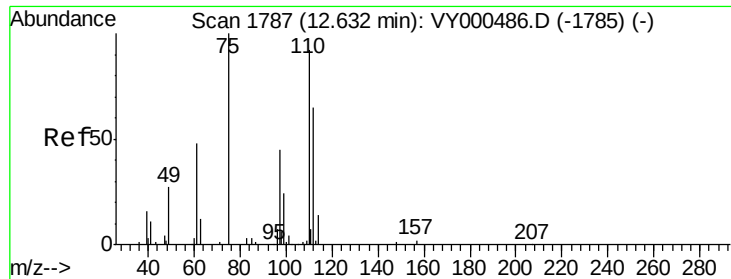
Tot Ion:117 Resp: 313745
Ion Ratio Lower Upper
117 100
82 57.0 40.8 61.2
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000711.D
Acq: 15 Nov 2019 18:56

Tgt Ion:152 Resp: 152452
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 157.6 0.0 348.8

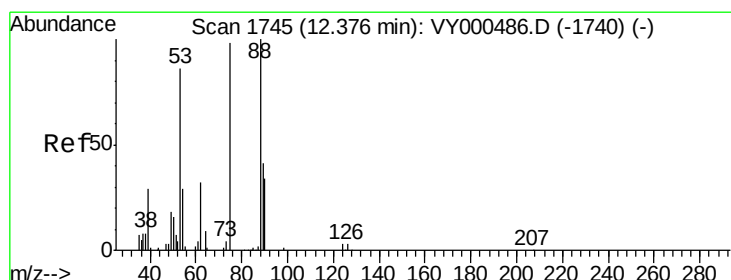
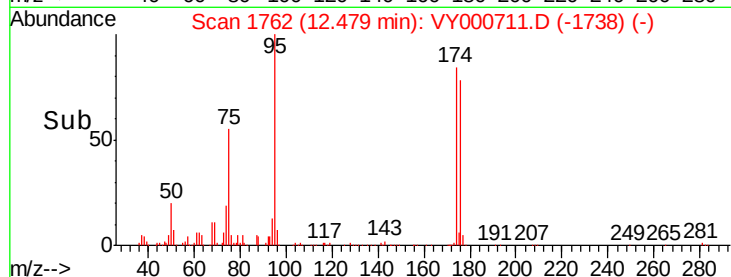
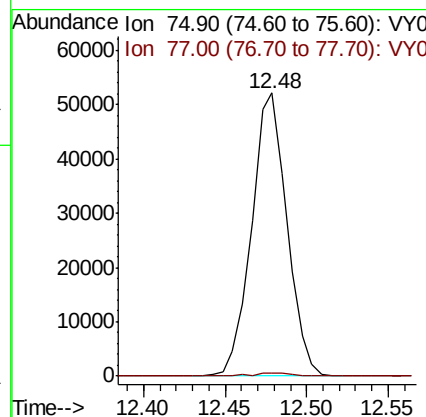
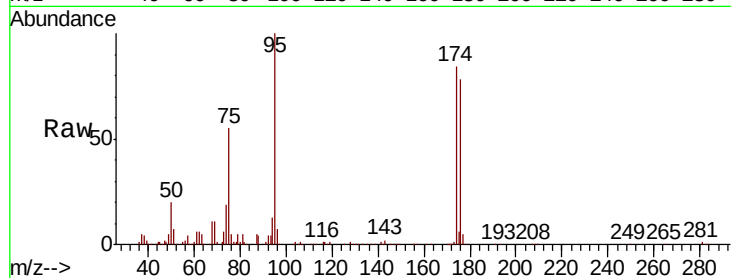




#76
 1,2,3-Trichloropropane
 Concen: 45.294 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000711.D
 Acq: 15 Nov 2019 18:56

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 78625
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.556 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000711.D
 Acq: 15 Nov 2019 18:56

Tgt Ion: 75 Resp: 78625
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.2 109.8#
 89 0.0 35.9 53.9#

