

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000589.D
 Acq On : 07 Nov 2019 18:25
 Operator : SY/MD
 Sample : K5722-01
 Misc : 7.31G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:49:12 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	235310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	425680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	375666	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	162764	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	141953	58.29	ug/l	0.00
Spiked Amount			Recovery	=	116.58%	
35) Dibromofluoromethane	7.73	113	125417	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	10.18	98	499879	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.48	95	169603	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

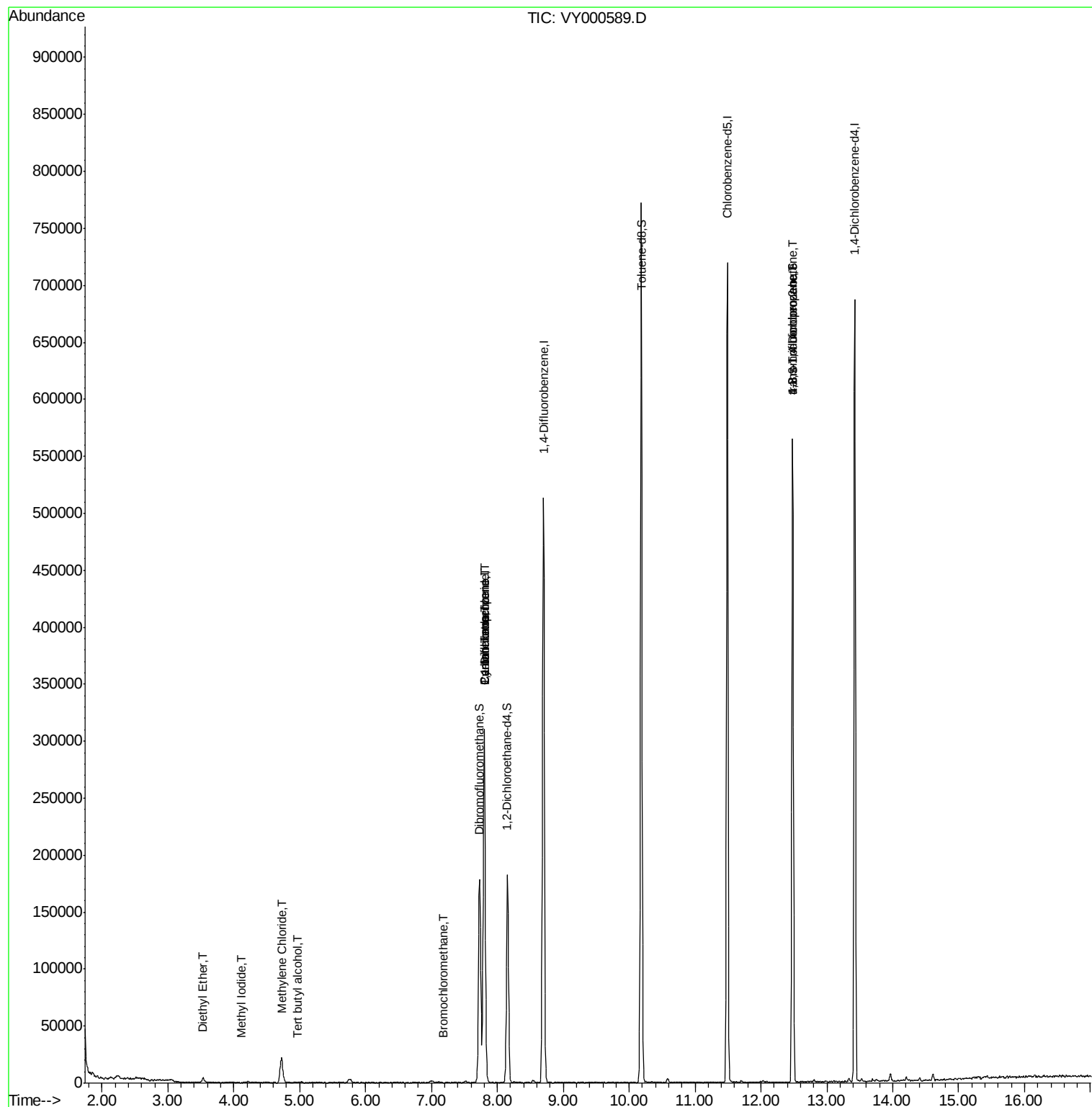
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	2558	1.799	ug/l	97
10) Methyl Iodide	4.11	142	80	3.223	ug/l #	41
11) Tert butyl alcohol	4.97	59	434	1.831	ug/l #	72
20) Methylene Chloride	4.72	84	16279	5.661	ug/l	94
28) Bromochloromethane	7.18	49	20	4.102	ug/l #	14
31) Cyclohexane	7.80	56	5281	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	20314	5.048	ug/l #	45
38) Carbon Tetrachloride	7.80	117	23405	6.044	ug/l #	16
76) 1,2,3-Trichloropropane	12.48	75	91204	49.212	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91204	110.340	ug/l #	13

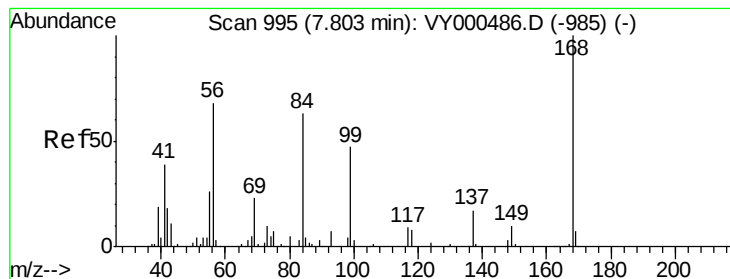
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
Data File : VY000589.D
Acq On : 07 Nov 2019 18:25
Operator : SY/MD
Sample : K5722-01
Misc : 7.31G/5ML/MSVOA Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 08 03:49:12 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
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# 995

Delta R.T. -0.00 min

Lab File: VY000589.D

Acq: 07 Nov 2019 18:25

Instrument :

MSVOA_Y

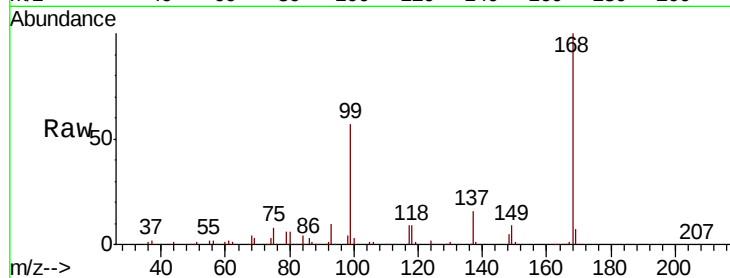
ClientSampleId :

Tot Ion:168 Resp: 235310

Ion Ratio Lower Upper

168 100

99 56.9 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

120000

100000

80000

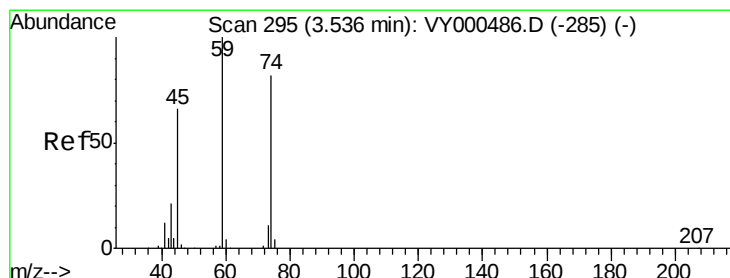
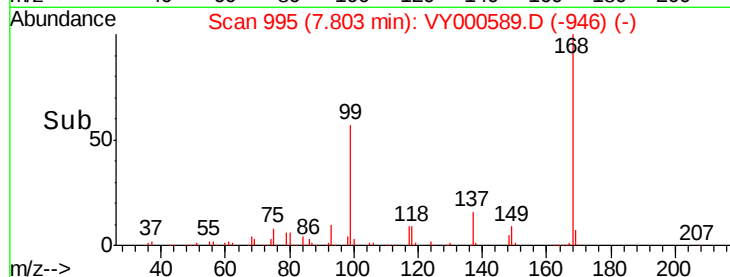
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.799 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000589.D

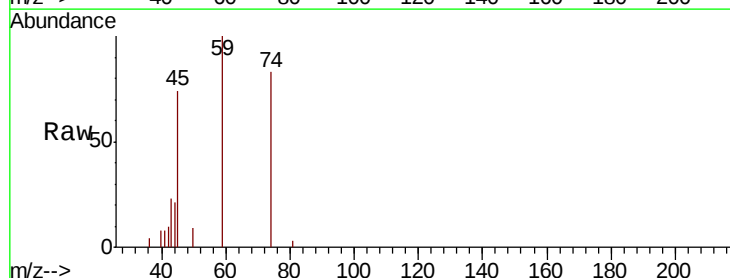
Acq: 07 Nov 2019 18:25

Tgt Ion: 74 Resp: 2558

Ion Ratio Lower Upper

74 100

45 88.3 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.53

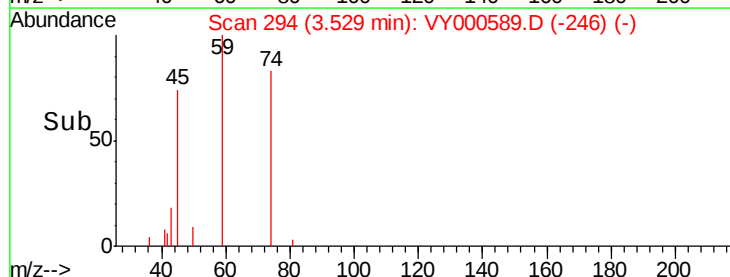
1500

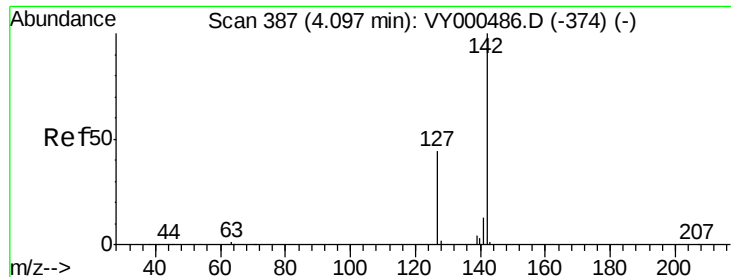
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 3.223 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.02 min

Lab File: VY000589.D

Acq: 07 Nov 2019 18:25

Instrument :

MSVOA_Y

ClientSampled :

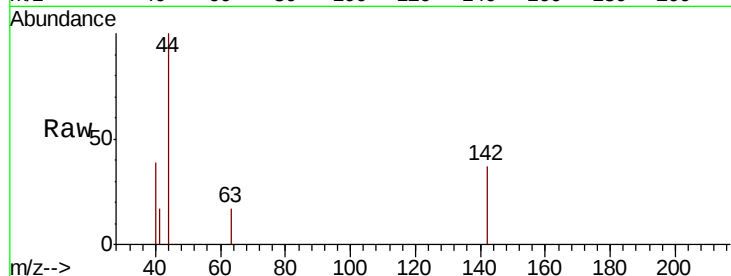
Tot Ion: 142 Resp: 80

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

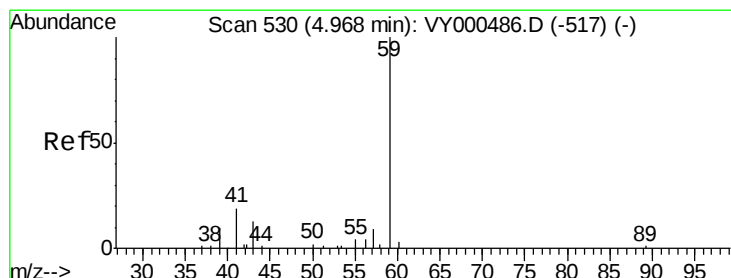
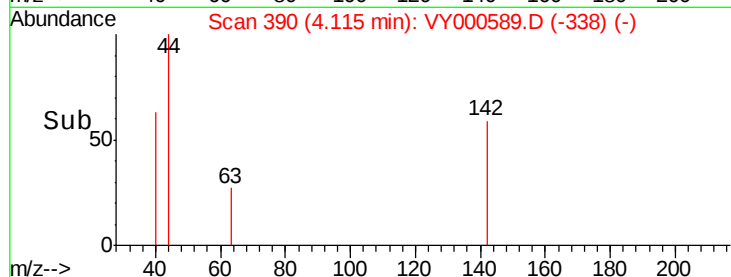
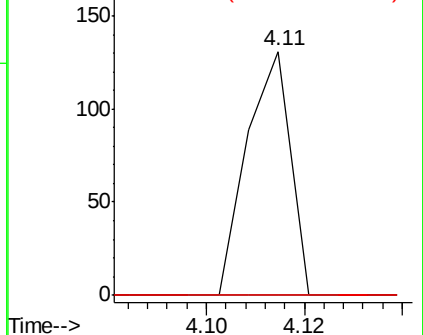
141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.831 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000589.D

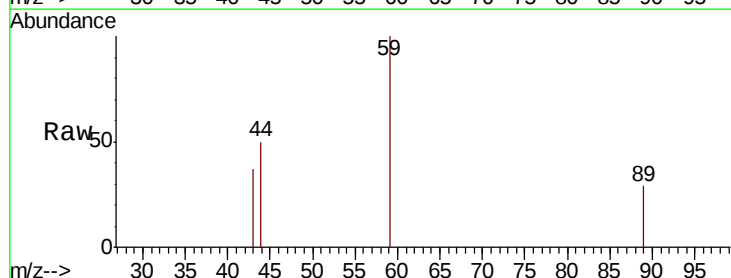
Acq: 07 Nov 2019 18:25

Tgt Ion: 59 Resp: 434

Ion Ratio Lower Upper

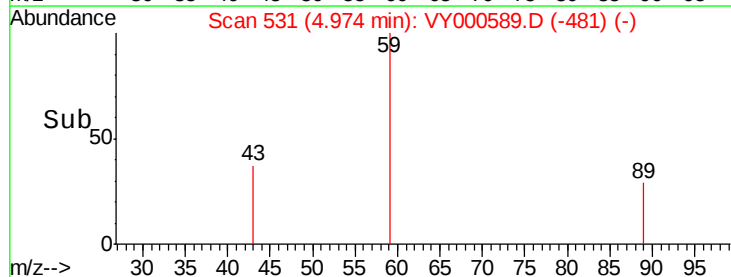
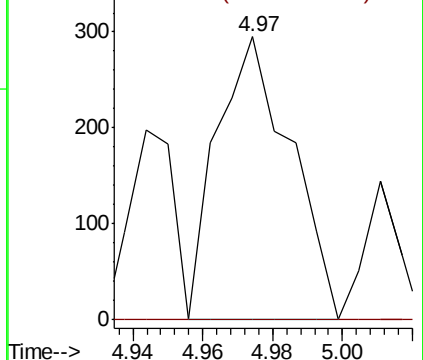
59 100

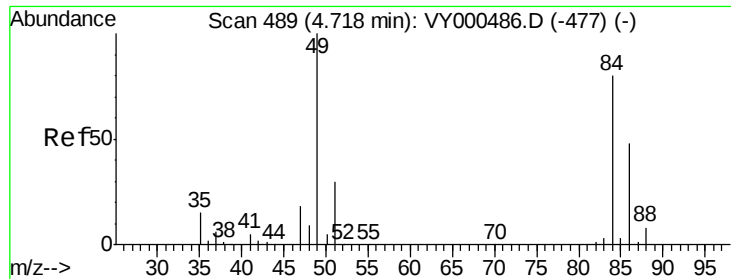
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

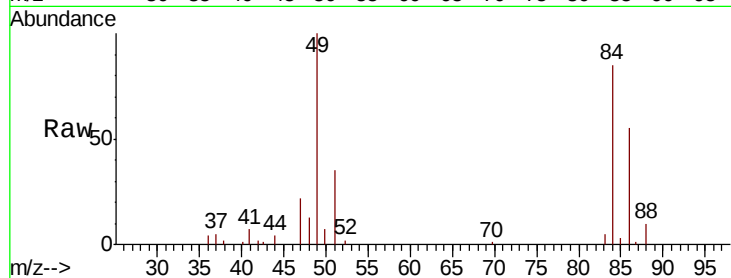




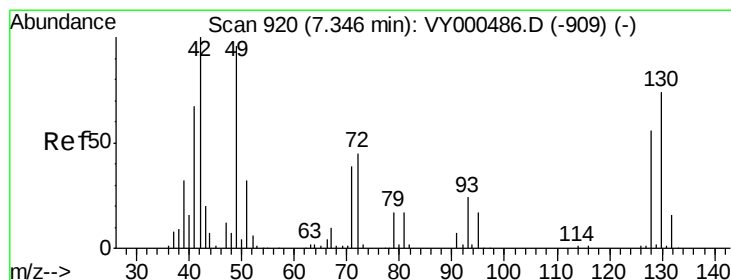
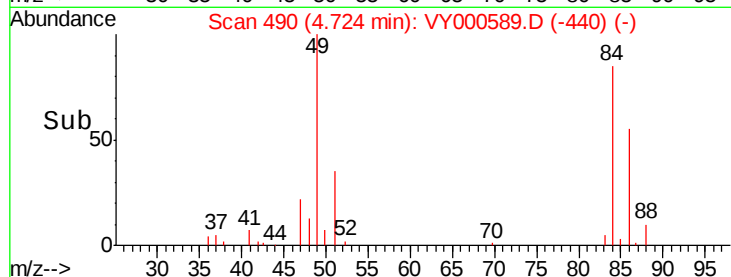
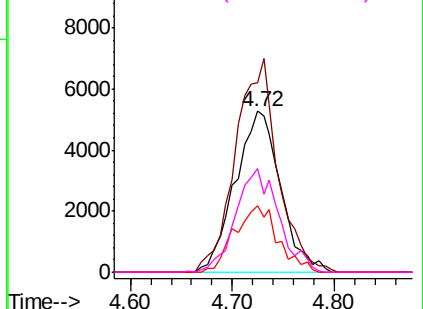
#20
Methvlene Chloride
Concen: 5.661 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 84 Resp: 16279
Ion Ratio Lower Upper
84 100
49 117.7 100.2 150.4
51 41.2 29.6 44.4
86 64.4 48.3 72.5

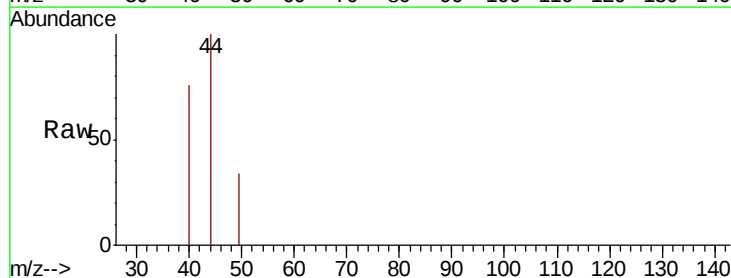


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

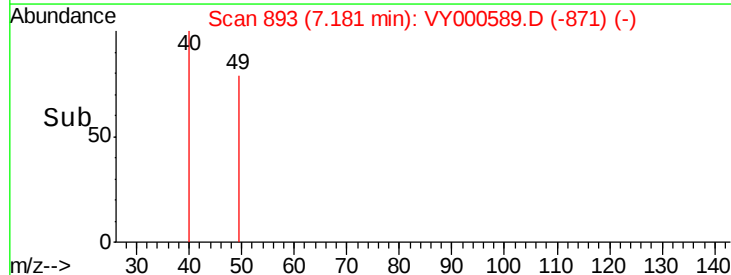
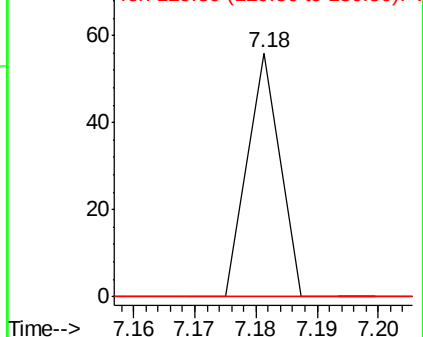


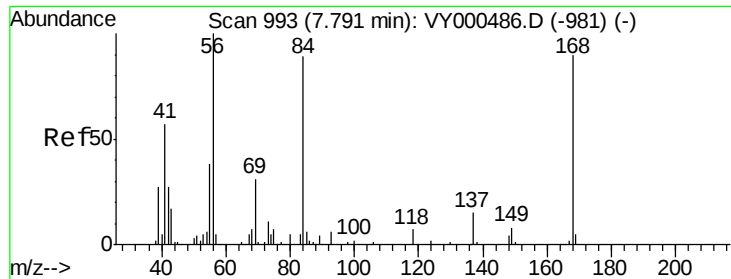
#28
Bromochloromethane
Concen: 4.102 ug/l
RT: 7.18 min Scan# 893
Delta R.T. -0.16 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 49 Resp: 20
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

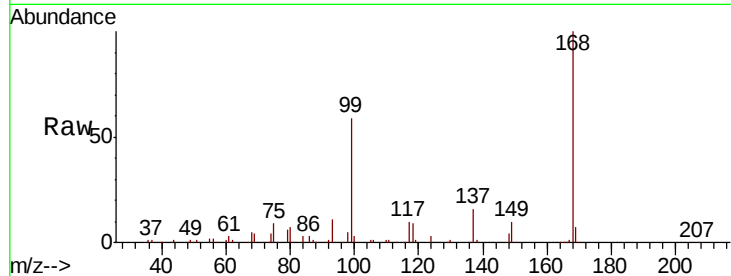




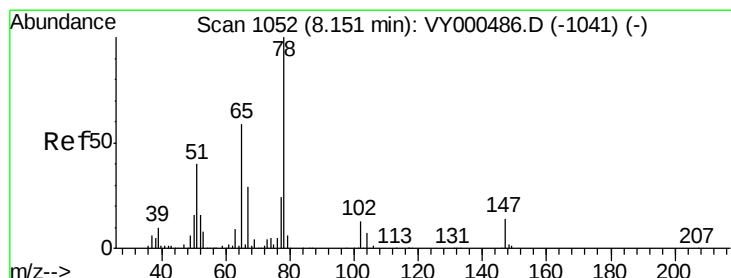
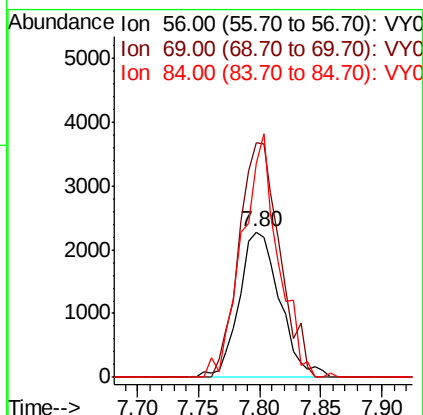
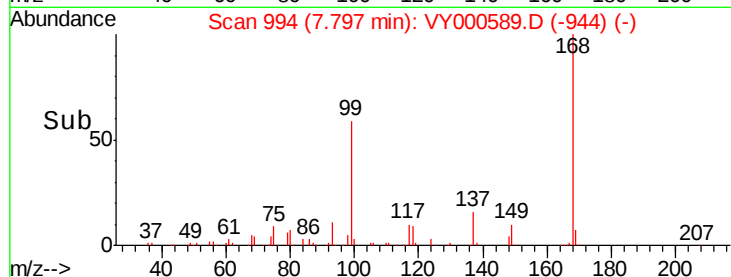
#31
Cvclohexane
Concen: 1.120 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 5281
Ion Ratio Lower Upper
56 100
69 161.5 25.0 37.6#
84 146.8 71.4 107.2#

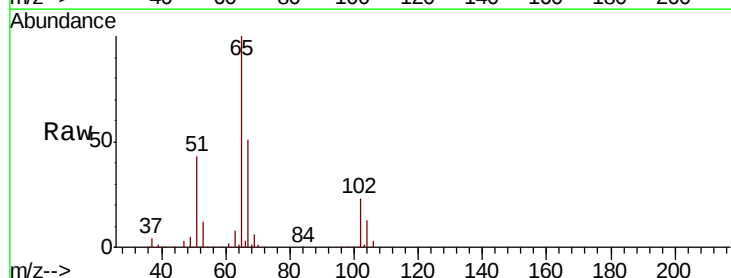


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

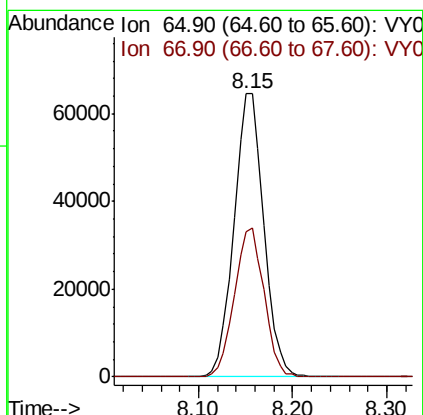
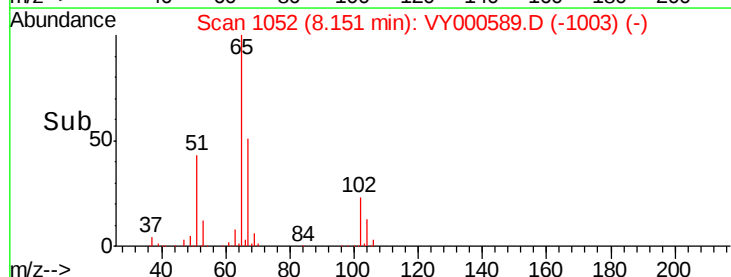


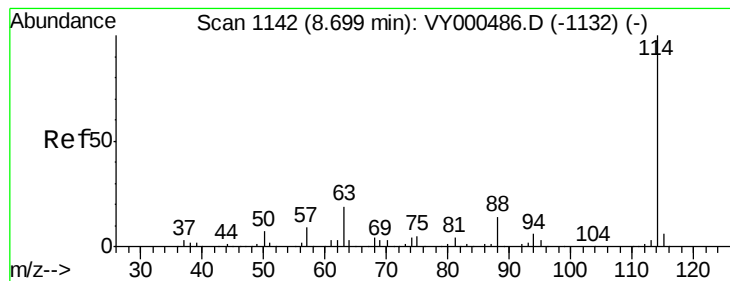
#33
1,2-Dichloroethane-d4
Concen: 58.293 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion: 65 Resp: 141953
Ion Ratio Lower Upper
65 100
67 52.4 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: VY000589.D

Acq: 07 Nov 2019 18:25

Instrument :

MSVOA_Y

ClientSampled :

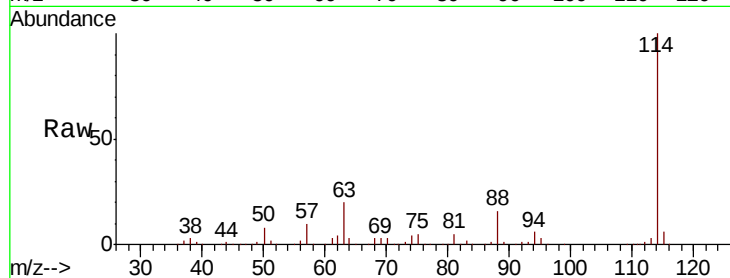
Tot Ion:114 Resp: 425680

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.0

88 16.5 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

300000

250000

200000

150000

100000

50000

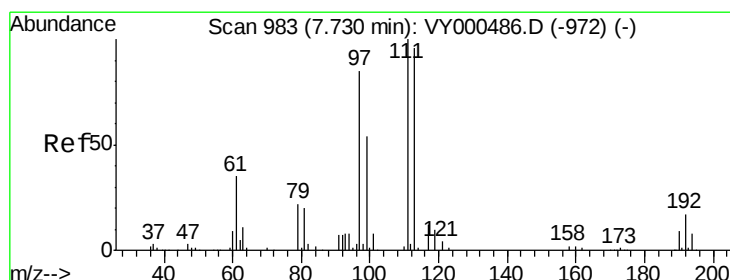
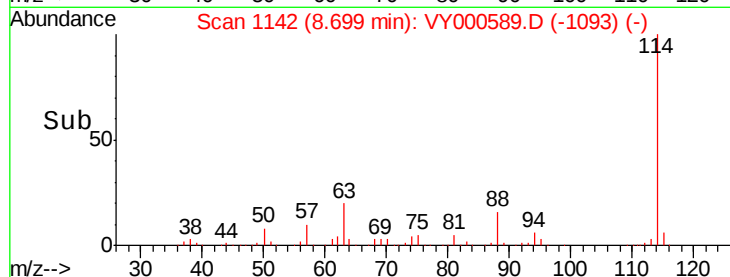
0

8.60

8.70

8.80

Time-->



#35

Dibromofluoromethane

Concen: 50.187 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000589.D

Acq: 07 Nov 2019 18:25

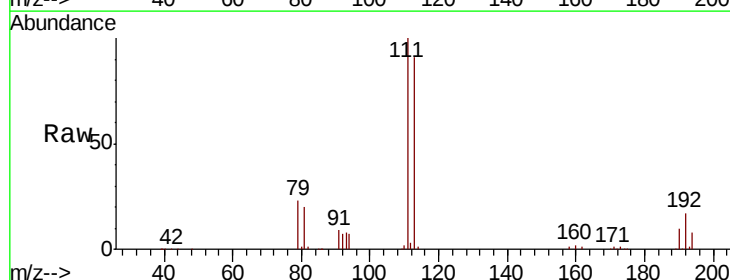
Tgt Ion:113 Resp: 125417

Ion Ratio Lower Upper

113 100

111 103.5 81.7 122.5

192 19.3 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

60000

40000

20000

0

7.60

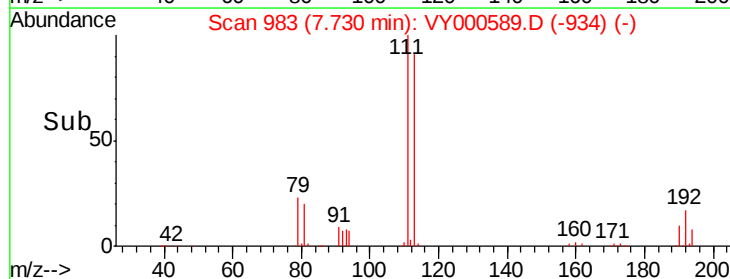
7.65

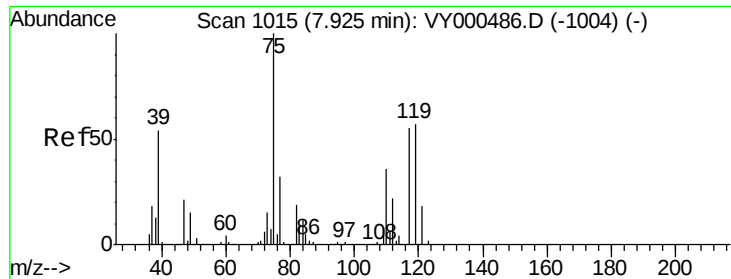
7.70

7.75

7.80

Time-->

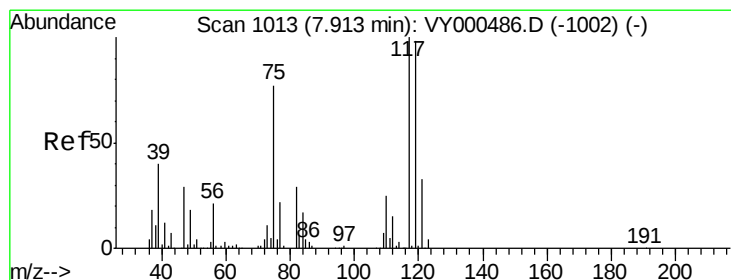
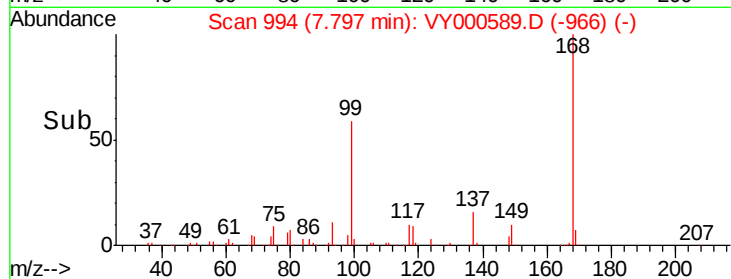
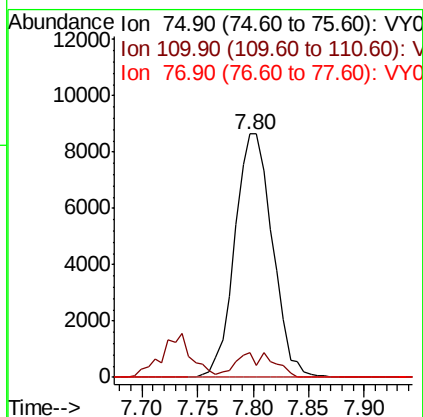
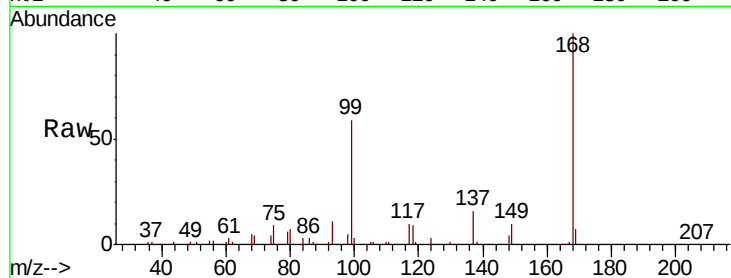




#36
 1,1-Dichloropropene
 Concen: 5.048 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000589.D
 Acq: 07 Nov 2019 18:25

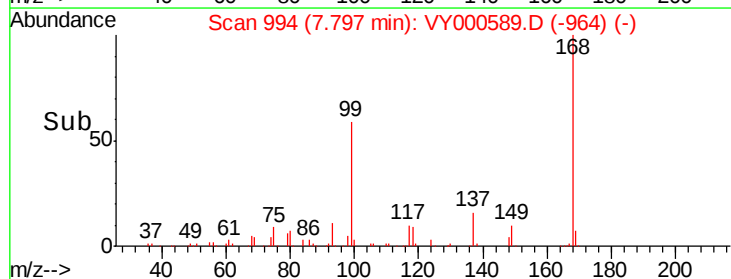
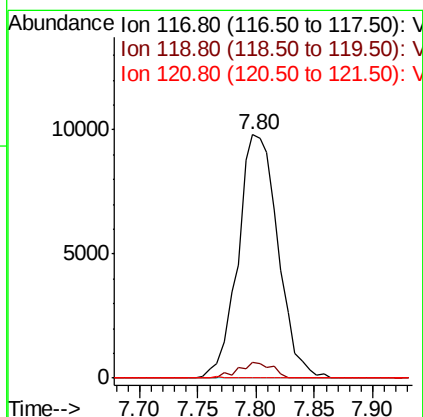
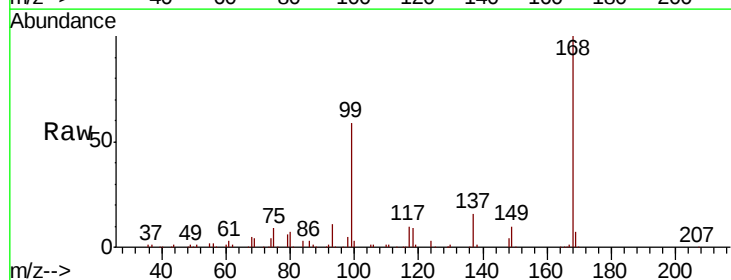
Instrument :
 MSVOA_Y
 ClientSampleId :

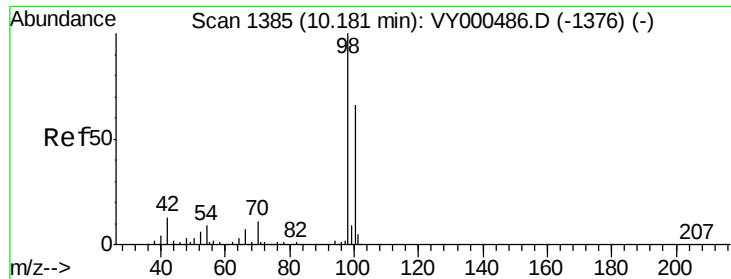
Tot Ion	75	Resp	20314
Ion Ratio	Lower	Upper	
75	100		
110	4.5	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.044 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000589.D
 Acq: 07 Nov 2019 18:25

Tgt Ion	117	Resp	23405
Ion Ratio	Lower	Upper	
117	100		
119	6.6	78.0	117.0#
121	0.0	26.6	40.0#





#50

Toluene-d8

Concen: 52.716 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000589.D

Acq: 07 Nov 2019 18:25

Instrument :

MSVOA_Y

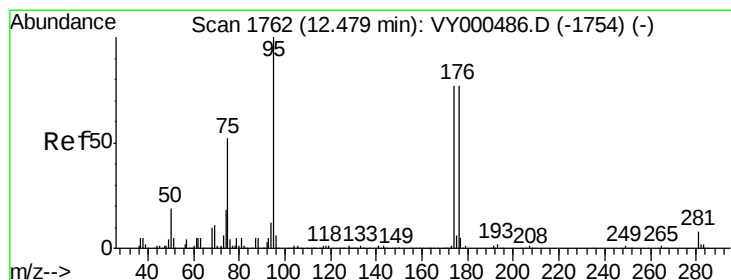
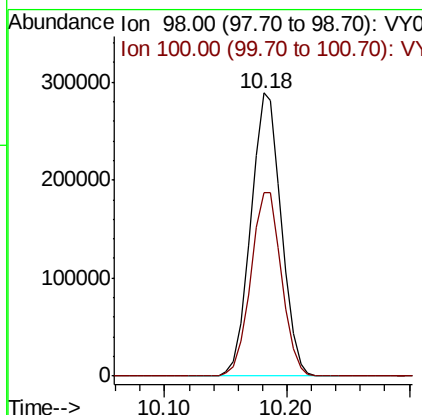
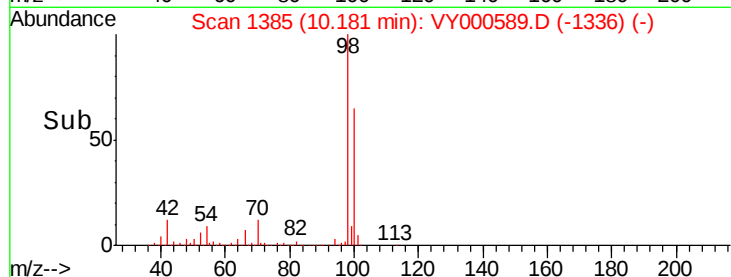
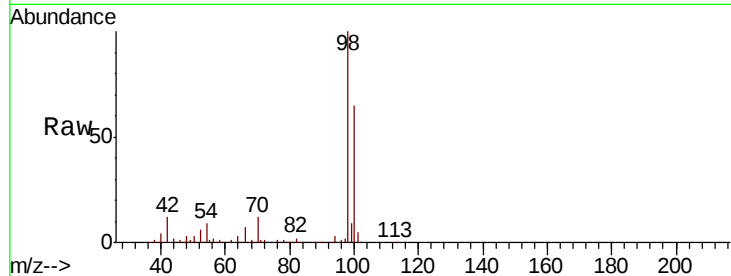
ClientSampleId :

Tot Ion: 98 Resp: 499879

Ion Ratio Lower Upper

98 100

100 65.6 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.983 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000589.D

Acq: 07 Nov 2019 18:25

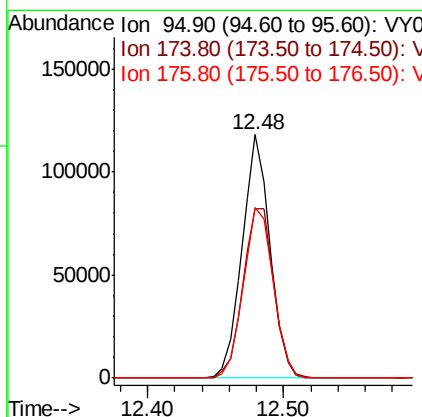
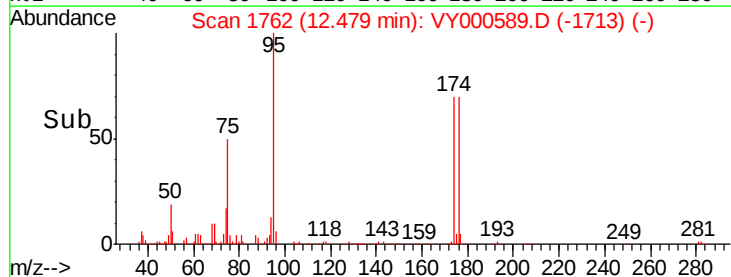
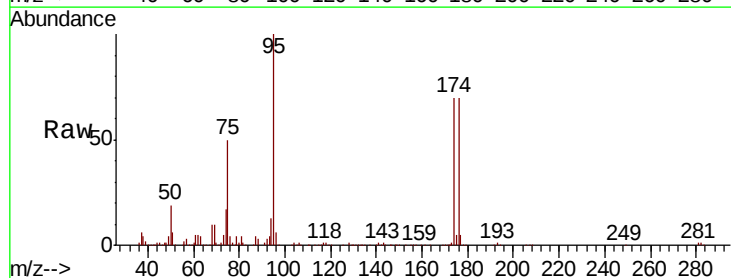
Tgt Ion: 95 Resp: 169603

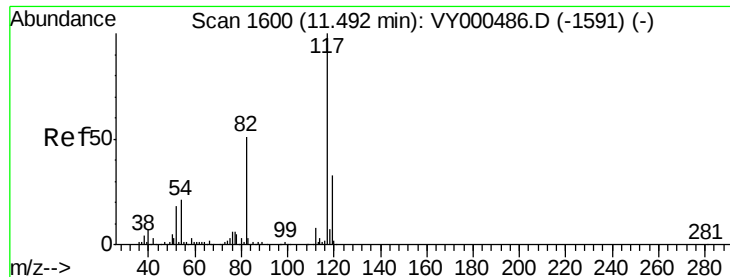
Ion Ratio Lower Upper

95 100

174 77.1 0.0 161.6

176 74.8 0.0 157.8

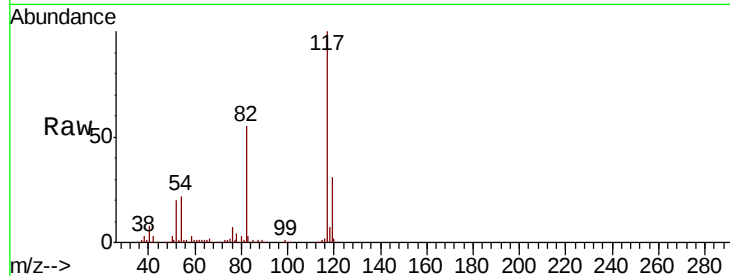




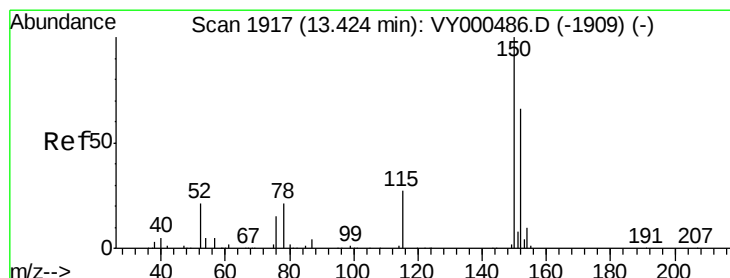
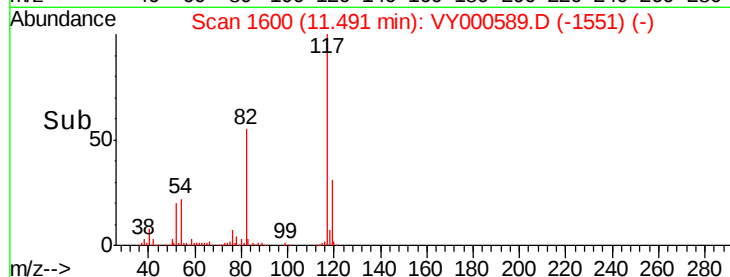
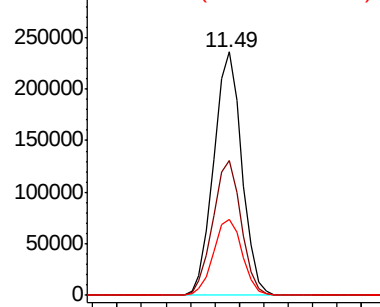
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 375666
Ion Ratio Lower Upper
117 100
82 55.3 40.8 61.2
119 31.4 26.2 39.2

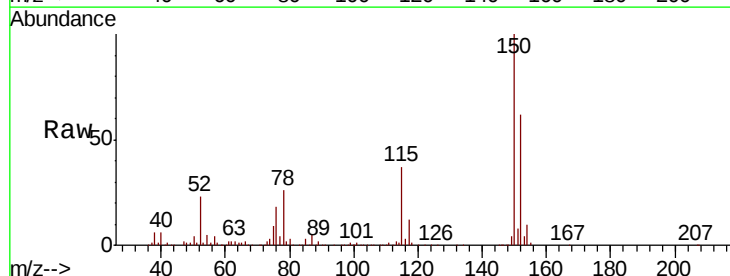


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

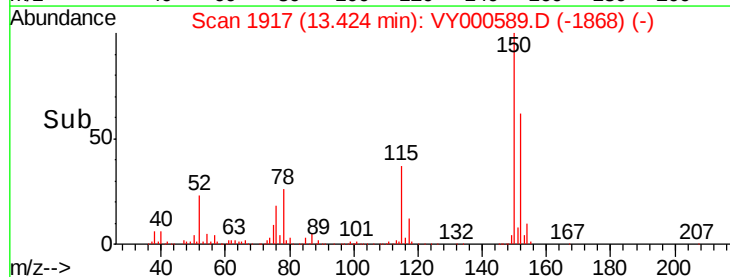
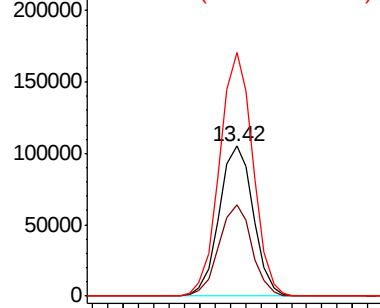


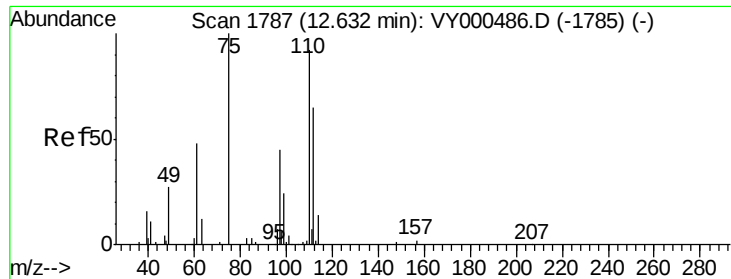
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000589.D
Acq: 07 Nov 2019 18:25

Tgt Ion:152 Resp: 162764
Ion Ratio Lower Upper
152 100
115 59.1 29.1 87.4
150 159.0 0.0 348.8



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: 49.212 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000589.D

Acq: 07 Nov 2019 18:25

Instrument :

MSVOA_Y

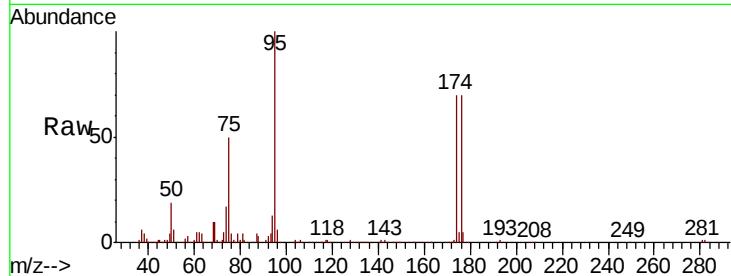
ClientSampleId :

Tot Ion: 75 Resp: 91204

Ion Ratio Lower Upper

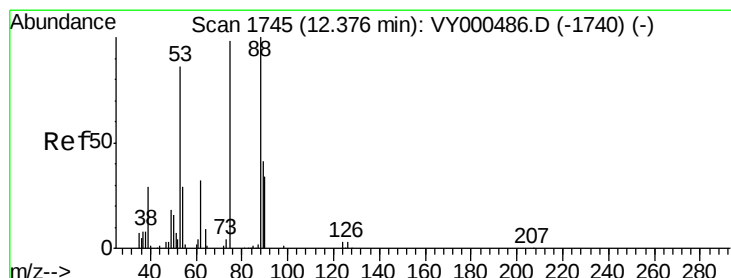
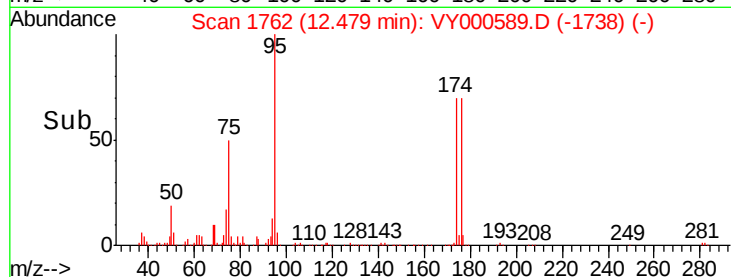
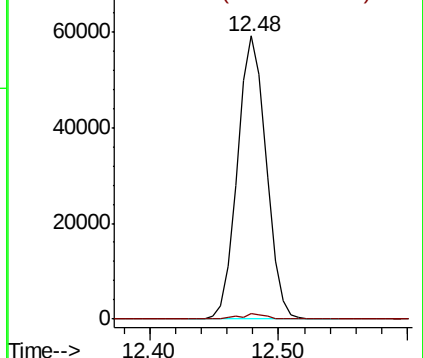
75 100

77 1.7 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: 110.340 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000589.D

Acq: 07 Nov 2019 18:25

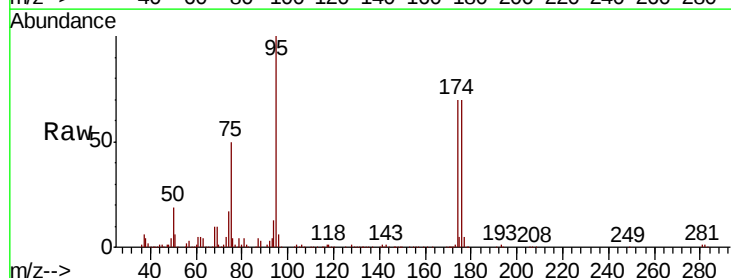
Tgt Ion: 75 Resp: 91204

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 35.9 53.9#



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

