

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120519\
 Data File : VY000885.D
 Acq On : 05 Dec 2019 16:41
 Operator : SY/MD
 Sample : K6147-11RE
 Misc : 5.32G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-WC011

Quant Time: Dec 06 04:02:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

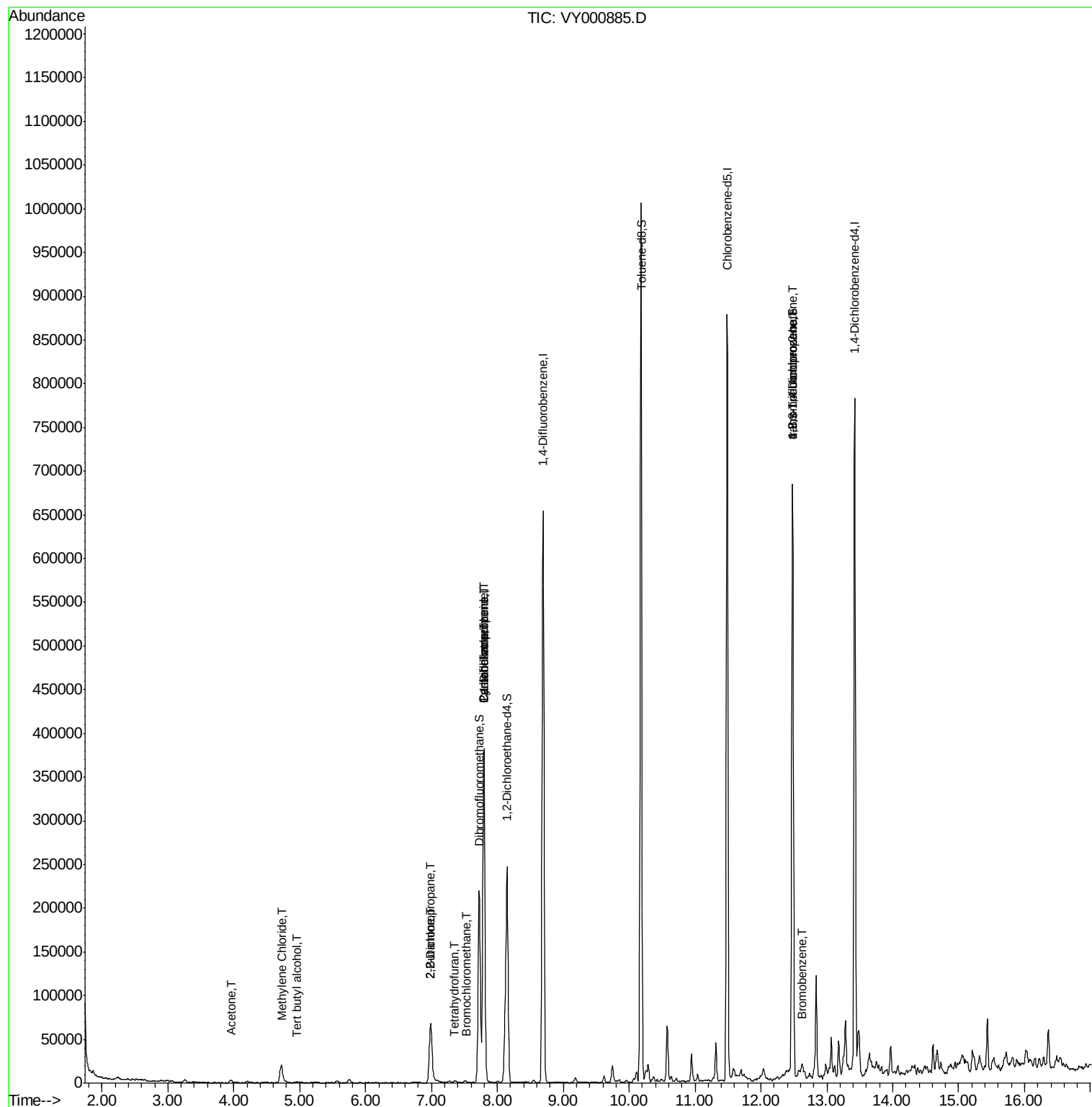
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	296900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	557041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	487638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	190232	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	164098	52.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.04%	
35) Dibromofluoromethane	7.72	113	163831	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
50) Toluene-d8	10.18	98	657340	50.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.48	95	213282	43.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.52%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.65	94	235	Below Cal	#	3
11) Tert butyl alcohol	4.96	59	495	1.560	ug/l #	90
16) Acetone	3.96	43	5020	6.936	ug/l	93
20) Methylene Chloride	4.72	84	14270	3.741	ug/l	94
25) 2-Butanone	6.99	43	4717	3.528	ug/l #	70
26) 2,2-Dichloropropane	6.99	77	5441	1.022	ug/l #	51
28) Bromochloromethane	7.52	49	28	2.027	ug/l #	15
29) Tetrahydrofuran	7.36	42	1454	1.641	ug/l #	84
31) Cyclohexane	7.79	56	7310	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	25060	4.525	ug/l #	48
38) Carbon Tetrachloride	7.79	117	30028	6.088	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	105516	48.956	ug/l #	100
77) Bromobenzene	12.62	156	3530	1.075	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	105516	96.164	ug/l #	18

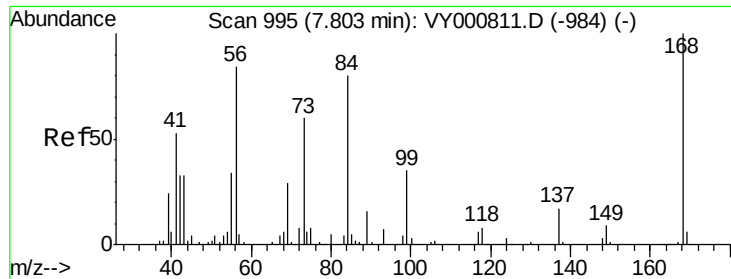
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

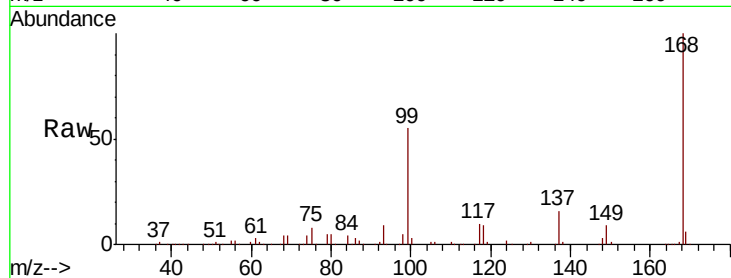
P001-WC011

Tot Ion:168 Resp: 296900

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

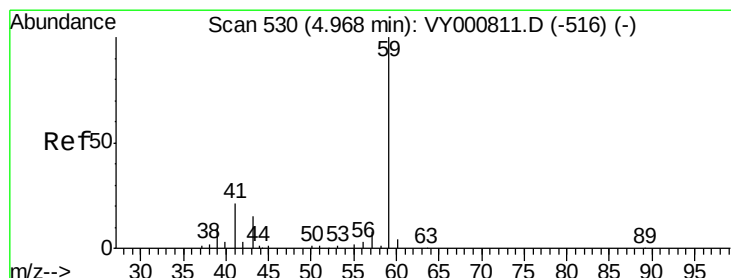
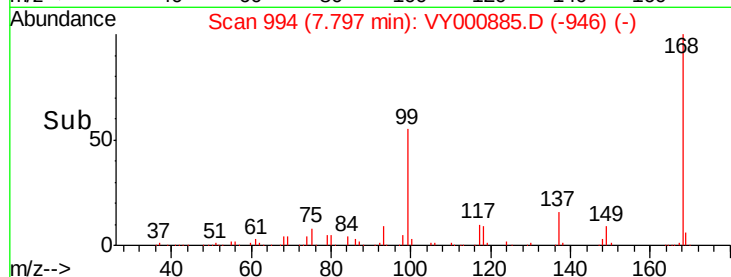
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.560 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY000885.D

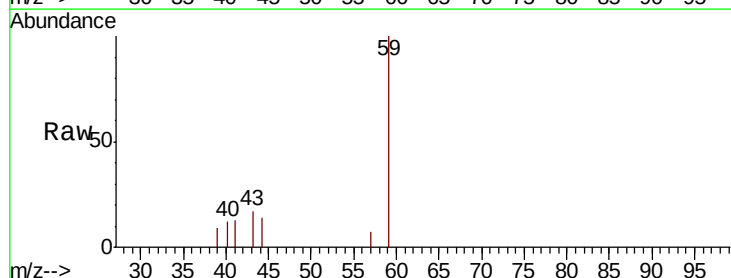
Acq: 05 Dec 2019 16:41

Tgt Ion: 59 Resp: 495

Ion Ratio Lower Upper

59 100

57 13.5 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VY000811.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY000811.D (-516) (-)

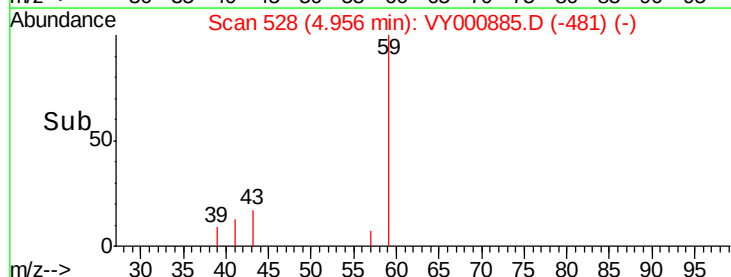
4.96

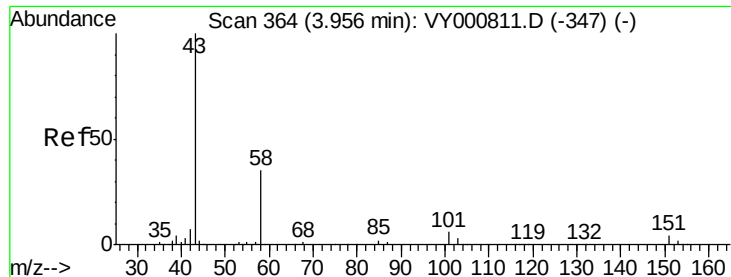
1000

500

0

Time-->





#16

Acetone

Concen: 6.936 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

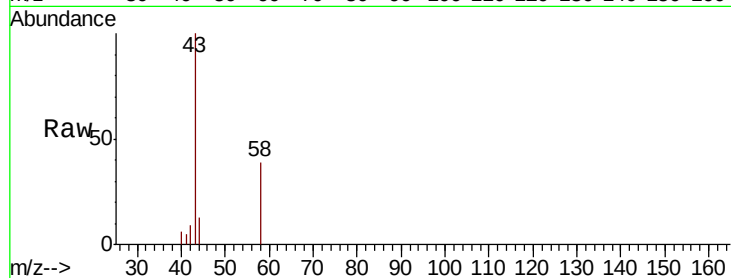
P001-WC011

Tot Ion: 43 Resp: 5020

Ion Ratio Lower Upper

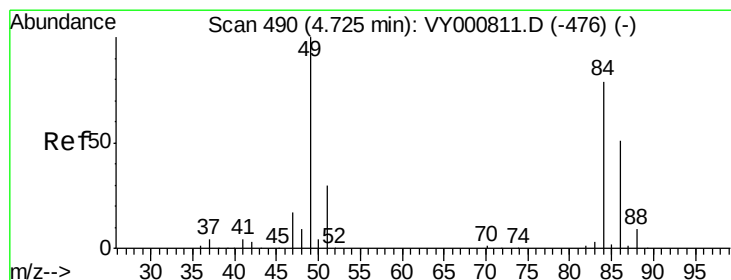
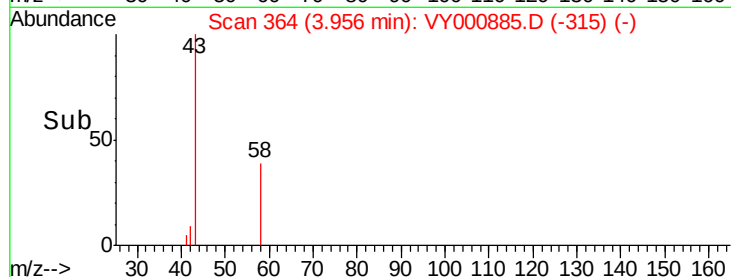
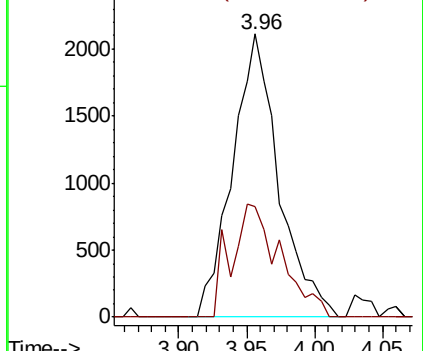
43 100

58 39.0 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 3.741 ug/l

RT: 4.72 min Scan# 490

Delta R.T. -0.00 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Tgt Ion: 84 Resp: 14270

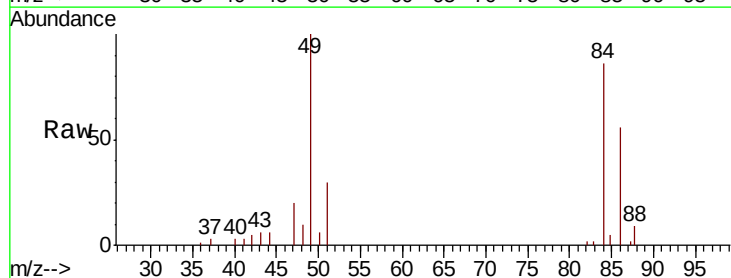
Ion Ratio Lower Upper

84 100

49 116.3 101.3 151.9

51 34.9 30.6 45.8

86 65.6 51.3 76.9

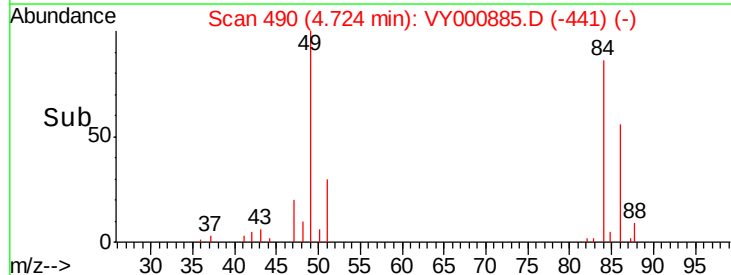
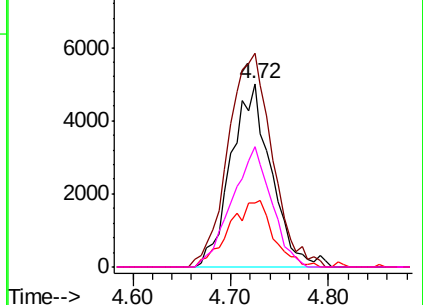


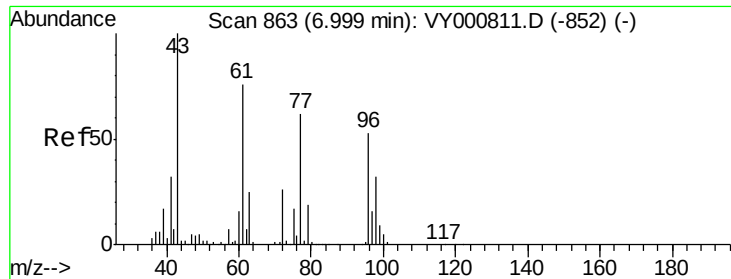
Abundance Ion 83.90 (83.60 to 84.60): VY0

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: 3.528 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

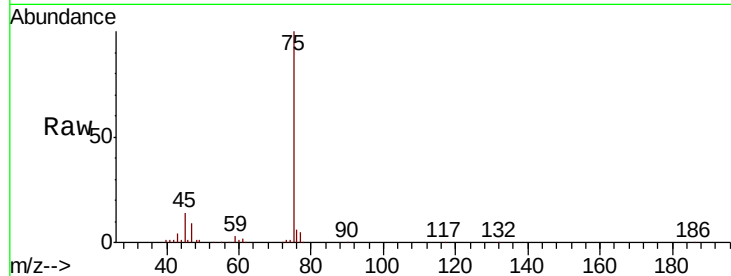
P001-WC011

Tot Ion: 43 Resp: 4717

Ion Ratio Lower Upper

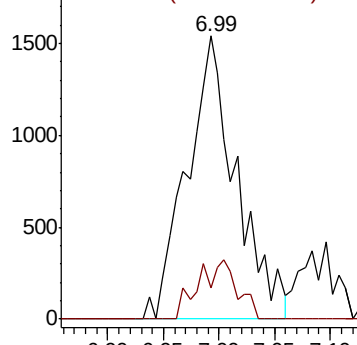
43 100

72 11.0 21.0 31.4#

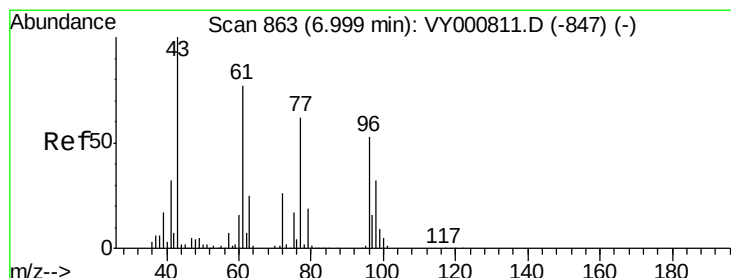
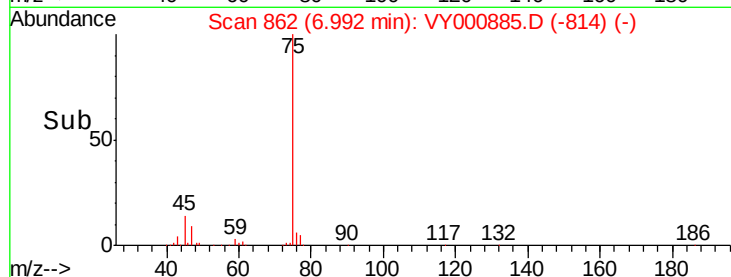


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#26

2,2-Dichloropropane

Concen: 1.022 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000885.D

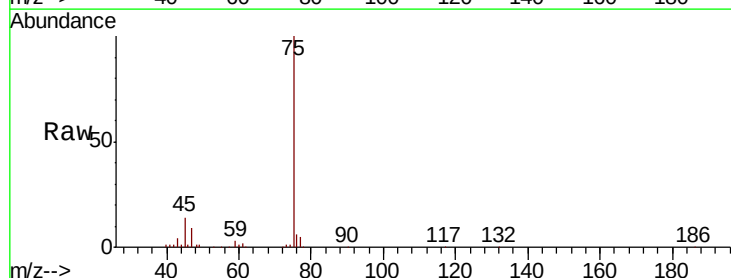
Acq: 05 Dec 2019 16:41

Tgt Ion: 77 Resp: 5441

Ion Ratio Lower Upper

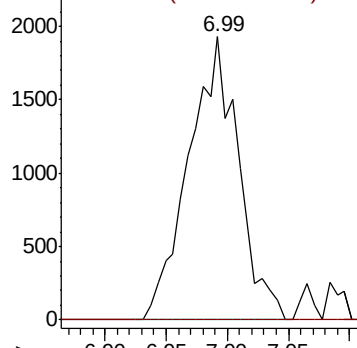
77 100

97 0.0 11.9 35.9#

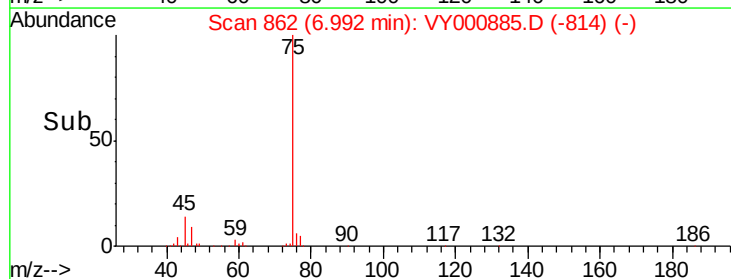


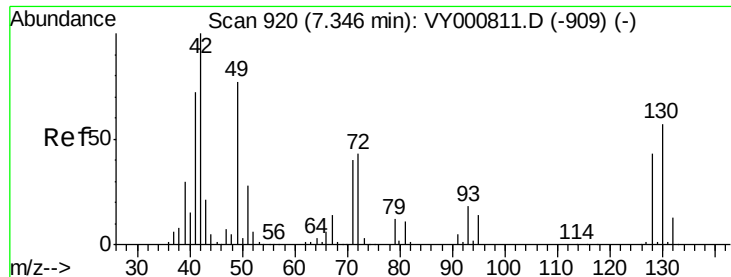
Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



Time-->





#28

Bromochloromethane

Concen: 2.027 ug/l

RT: 7.52 min Scan# 949

Delta R.T. 0.18 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

P001-WC011

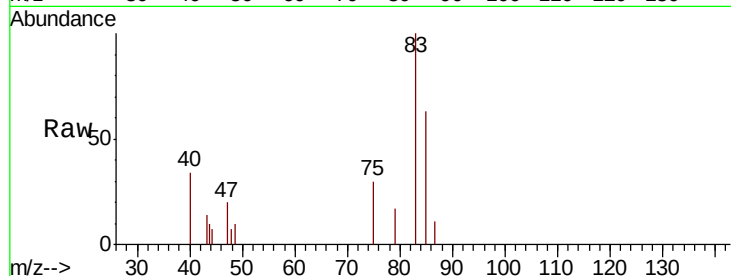
Tot Ion: 49 Resp: 28

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

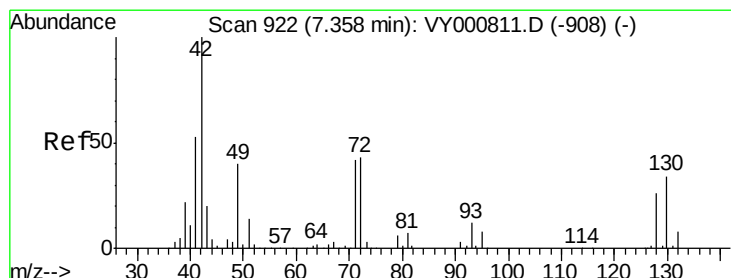
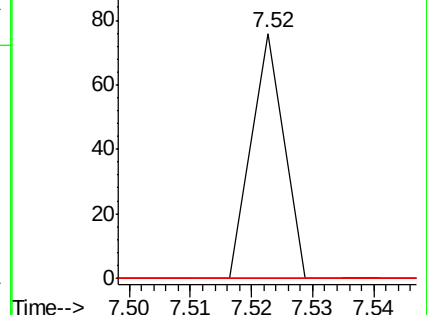
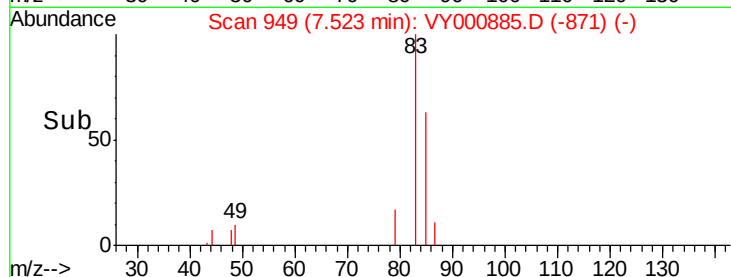
130 0.0 58.7 88.1#



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



#29

Tetrahydrofuran

Concen: 1.641 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

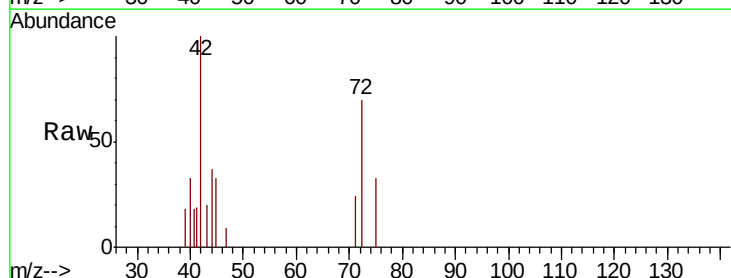
Tgt Ion: 42 Resp: 1454

Ion Ratio Lower Upper

42 100

72 51.4 35.1 52.7

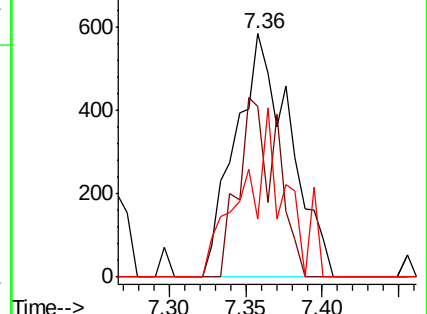
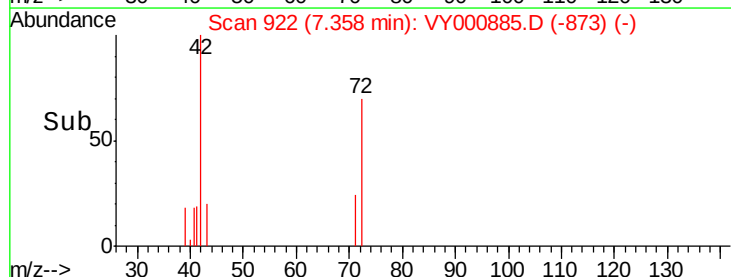
71 54.3 32.8 49.2#

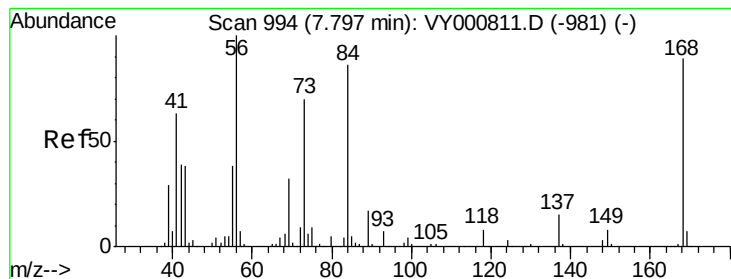


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0





#31

Cyclohexane

Concen: 1.091 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

P001-WC011

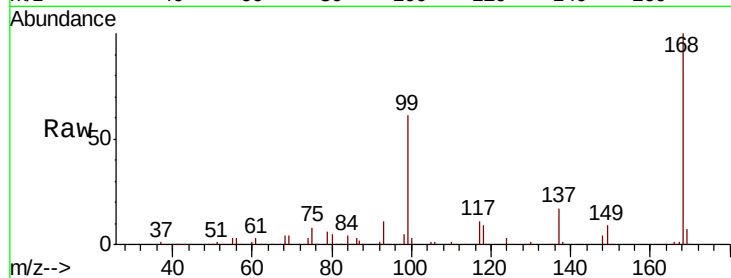
Tot Ion: 56 Resp: 7310

Ion Ratio Lower Upper

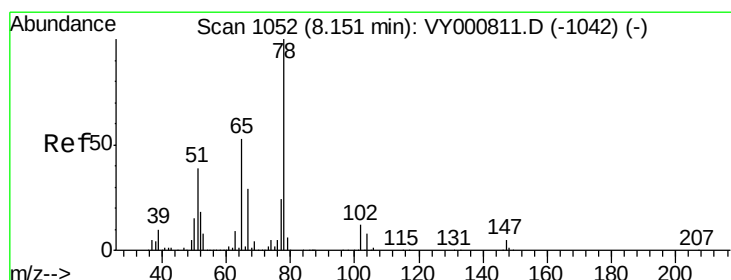
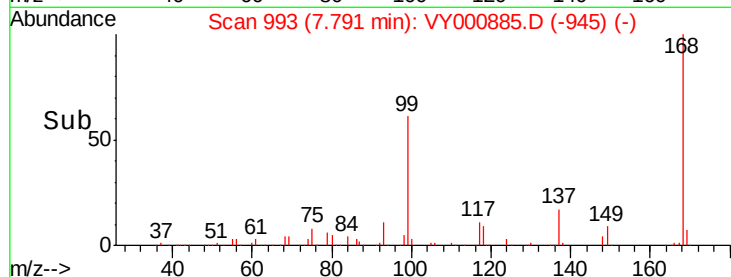
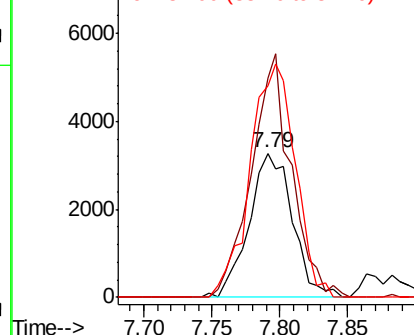
56 100

69 152.5 25.9 38.9#

84 147.0 68.6 102.8#



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: 52.015 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000885.D

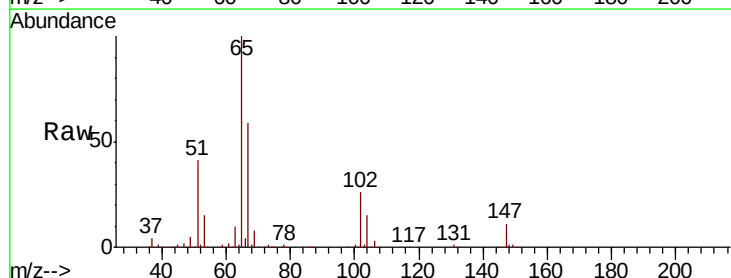
Acq: 05 Dec 2019 16:41

Tgt Ion: 65 Resp: 164098

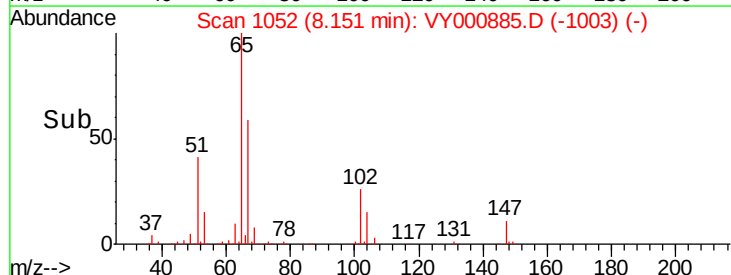
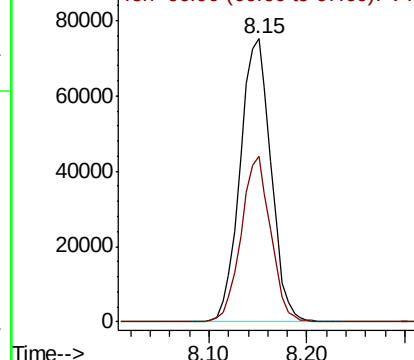
Ion Ratio Lower Upper

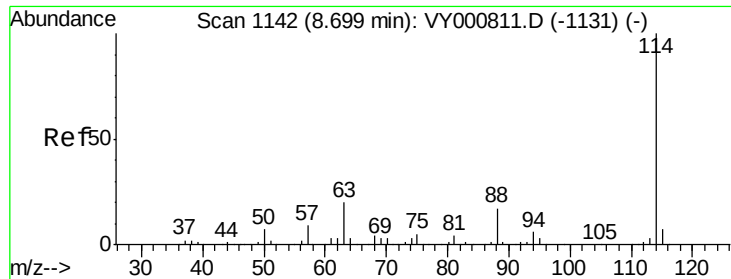
65 100

67 56.1 0.0 112.0



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

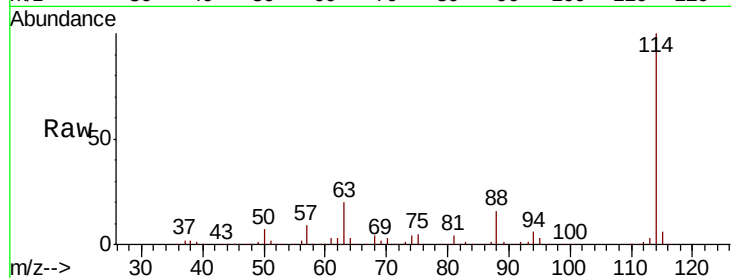




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000885.D
 Acq: 05 Dec 2019 16:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-WC011

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.8
88	15.6	0.0	33.2

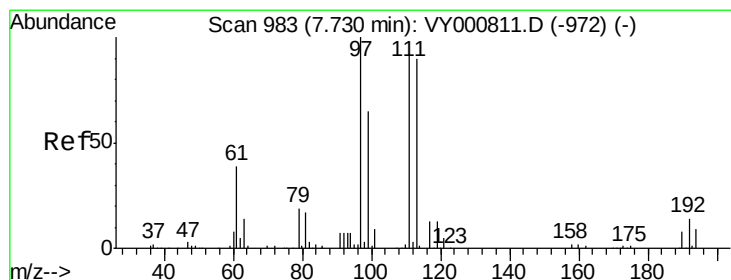
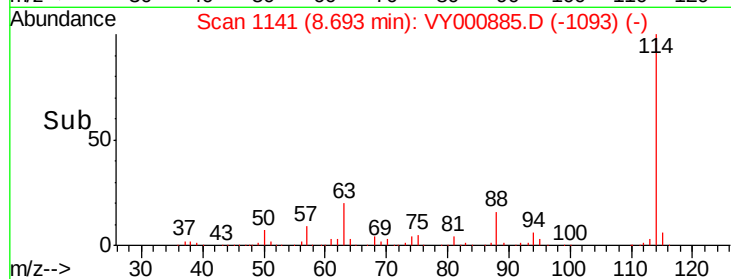
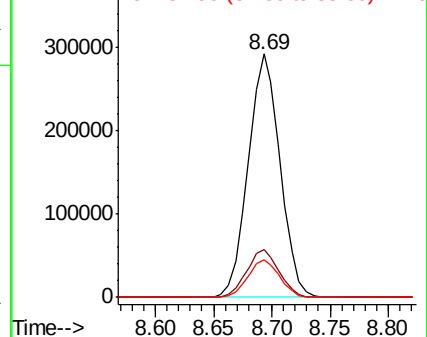


Abundance

Ion 113.90 (113.60 to 114.60): V

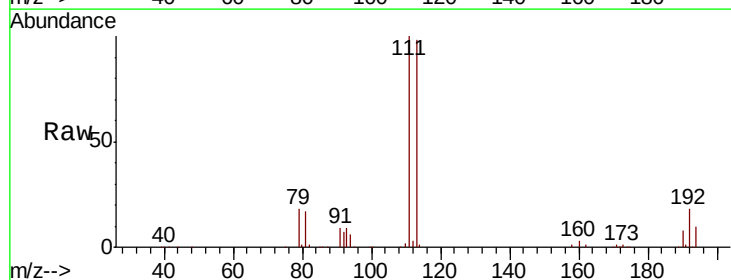
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35
 Dibromofluoromethane
 Concen: 50.465 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000885.D
 Acq: 05 Dec 2019 16:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.4	123.6
192	17.5	14.2	21.2

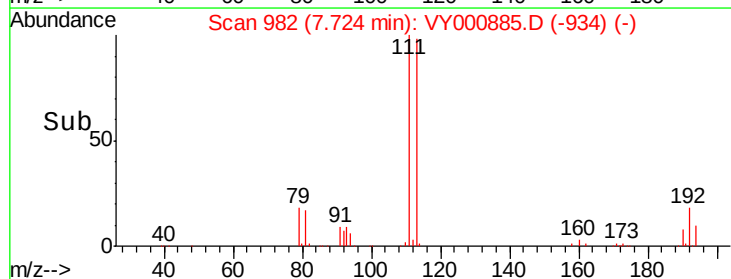
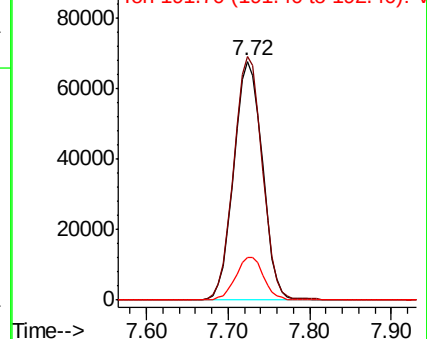


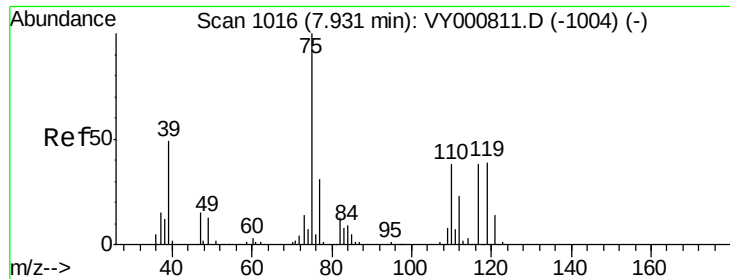
Abundance

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

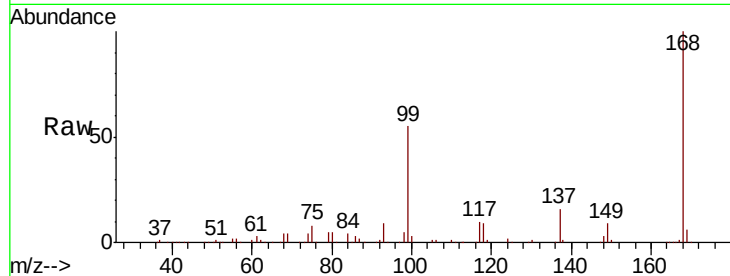




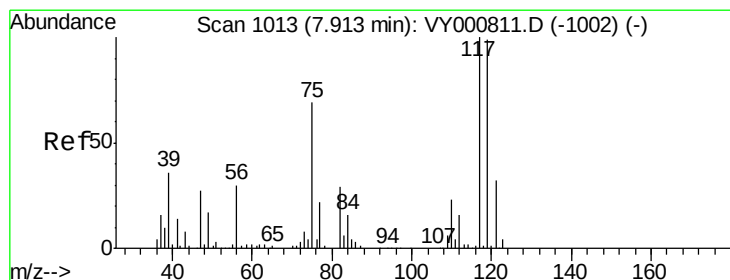
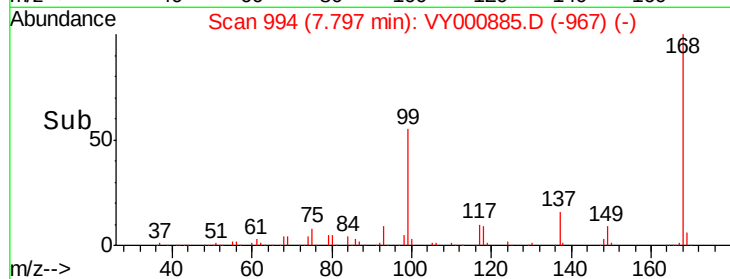
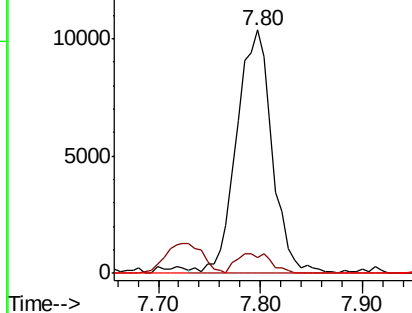
#36
 1,1-Dichloropropene
 Concen: 4.525 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000885.D
 Acq: 05 Dec 2019 16:41

Instrument :
 MSVOA_Y
 ClientSampled :
 P001-WC011

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.9	53.7#
77	0.0	24.7	37.1#

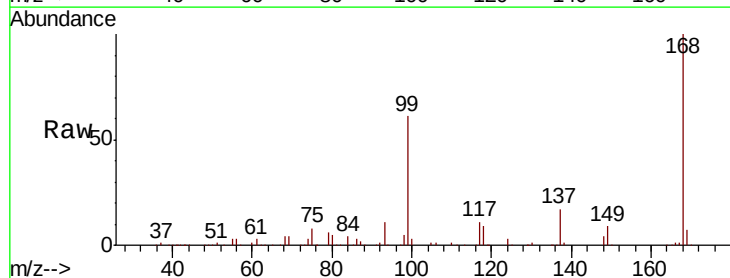


Abundance Ion 74.90 (74.60 to 75.60): VY000885.D (-967) (-)

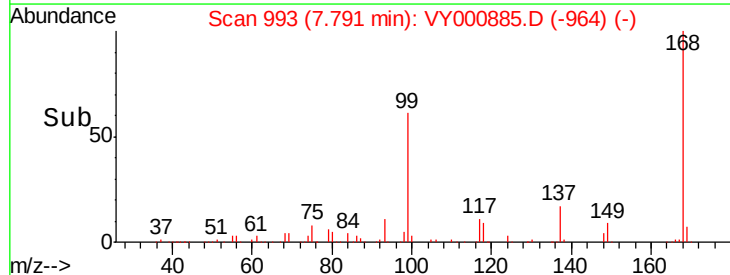
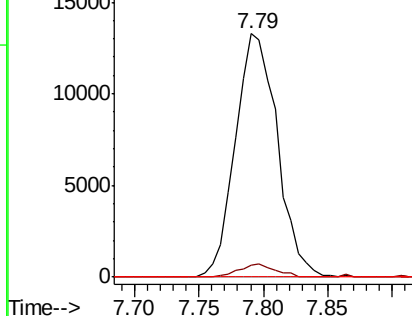


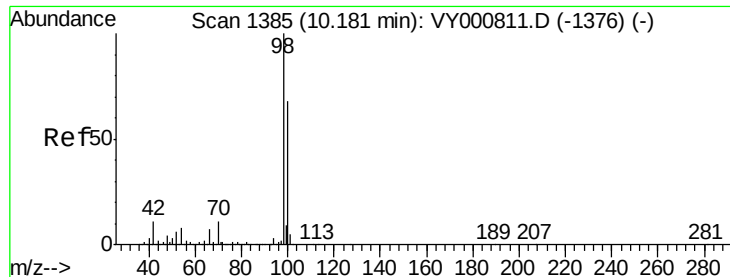
#38
 Carbon Tetrachloride
 Concen: 6.088 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY000885.D
 Acq: 05 Dec 2019 16:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	79.3	118.9#
121	0.0	25.5	38.3#



Abundance Ion 116.80 (116.50 to 117.50): VY000885.D (-964) (-)





#50

Toluene-d8

Concen: 50.646 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

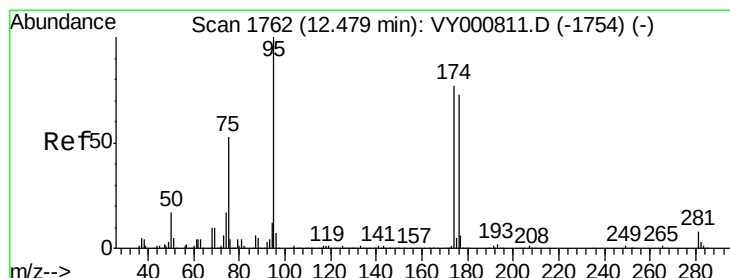
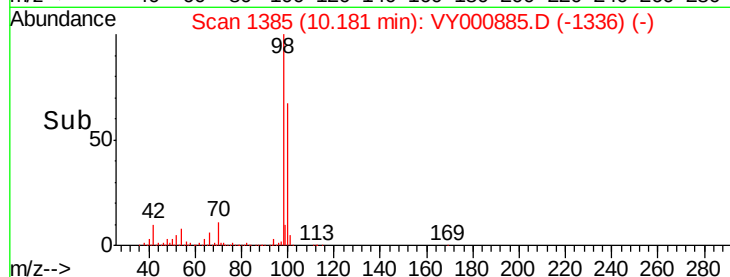
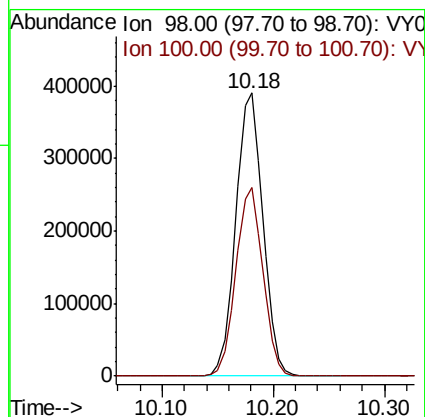
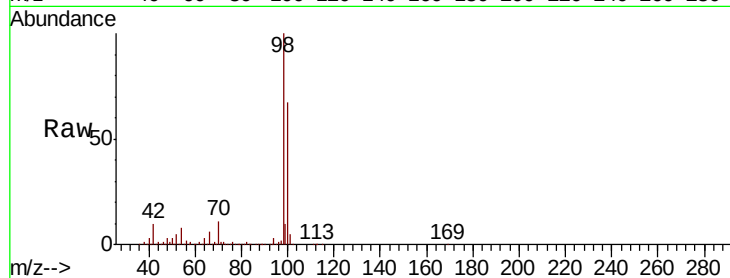
P001-WC011

Tot Ion: 98 Resp: 657340

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.756 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

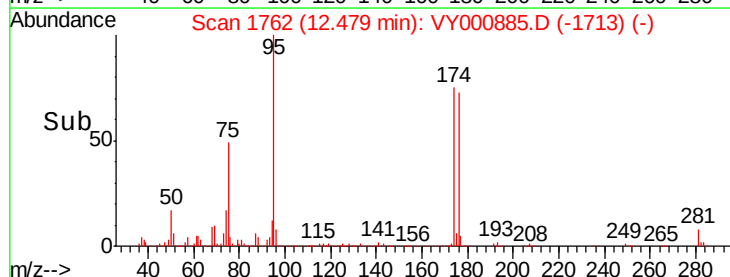
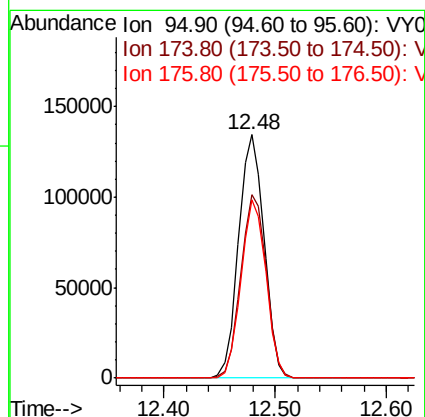
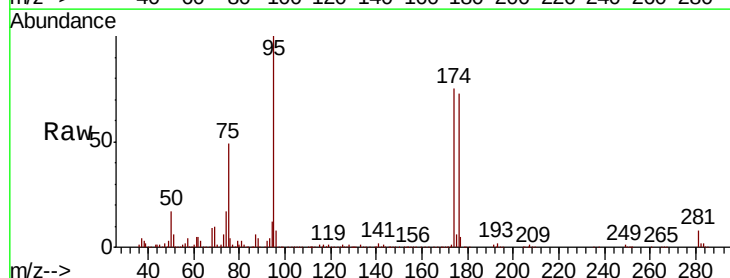
Tgt Ion: 95 Resp: 213282

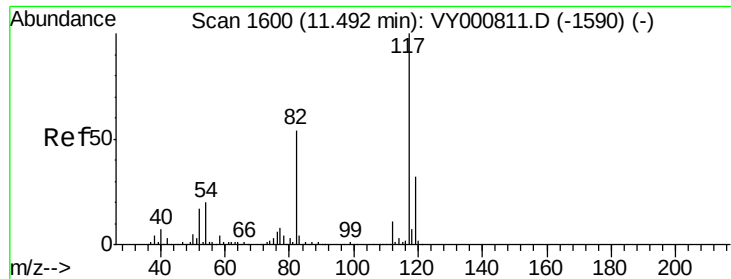
Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.6

176 71.9 0.0 145.2

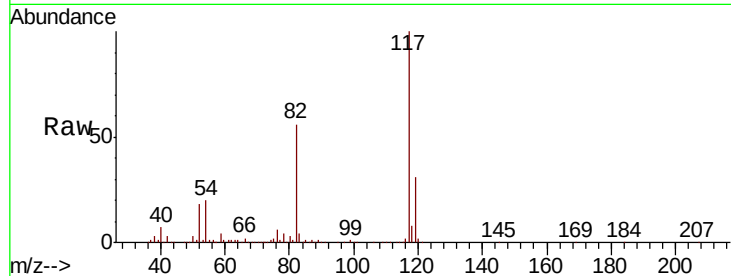




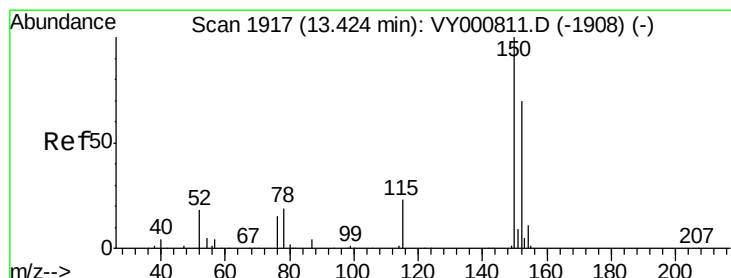
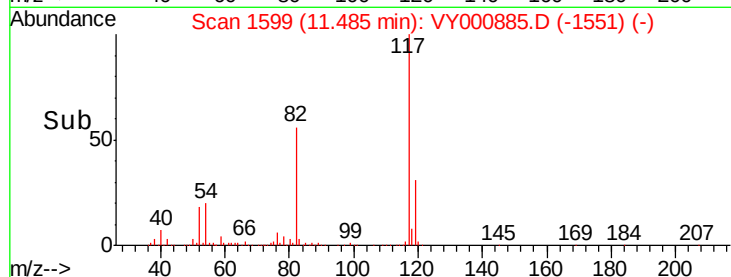
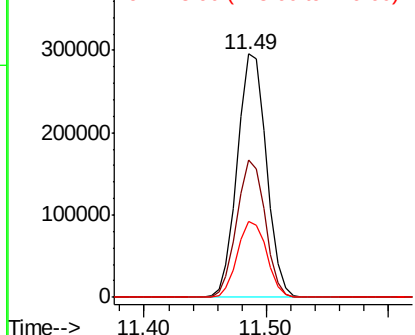
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000885.D
Acq: 05 Dec 2019 16:41

Instrument :
MSVOA_Y
ClientSampleId :
P001-WC011

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	43.1	64.7
119	31.1	25.3	37.9

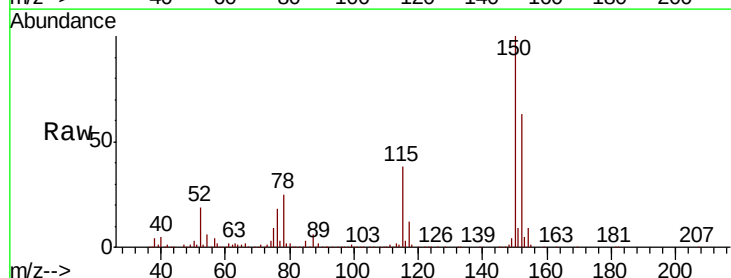


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

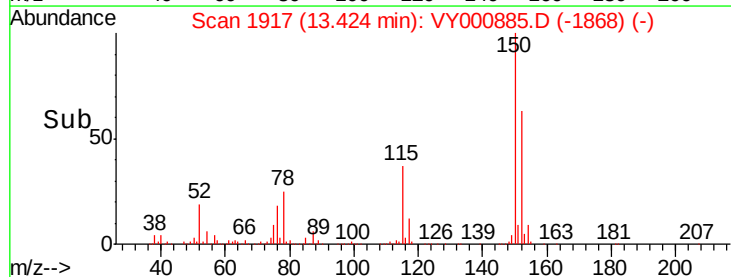
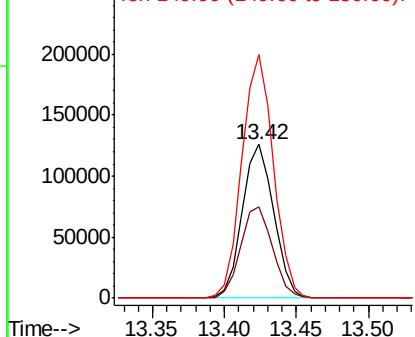


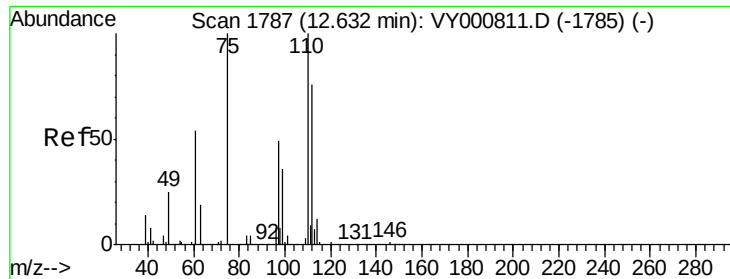
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000885.D
Acq: 05 Dec 2019 16:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.3	87.8
150	158.6	0.0	351.2



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: 48.956 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

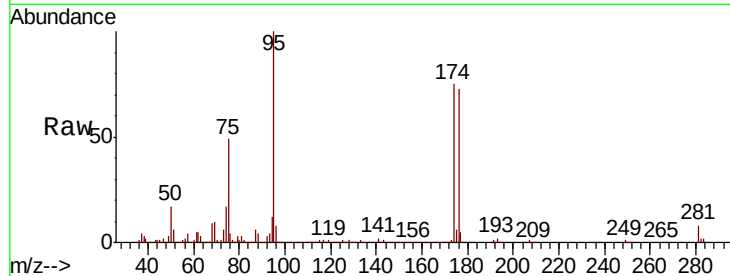
P001-WC011

Tot Ion: 75 Resp: 105516

Ion Ratio Lower Upper

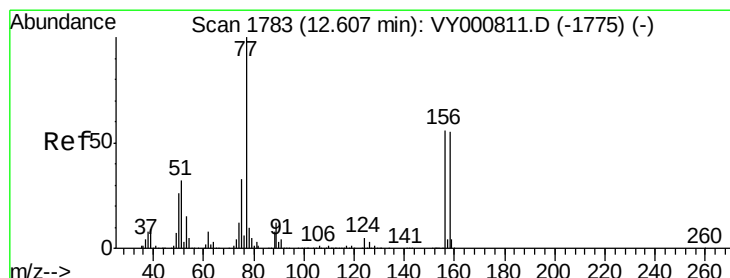
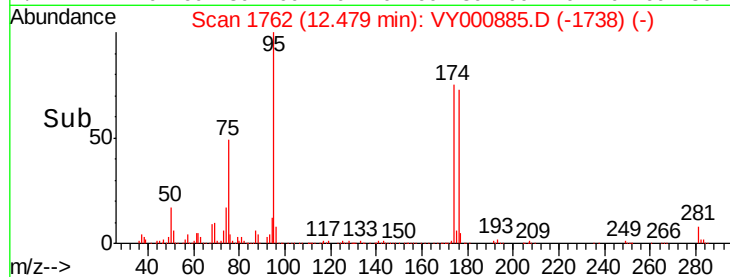
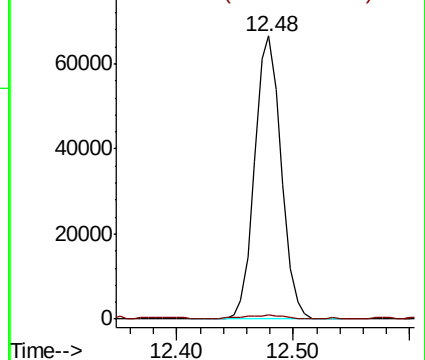
75 100

77 2.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#77

Bromobenzene

Concen: 1.075 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

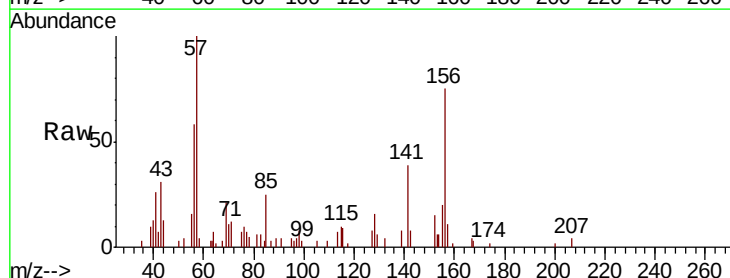
Tgt Ion: 156 Resp: 3530

Ion Ratio Lower Upper

156 100

77 4.2 102.6 307.7#

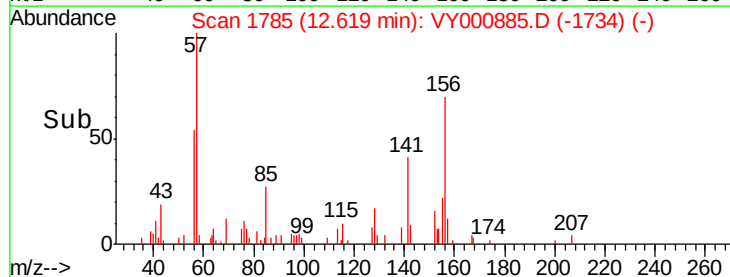
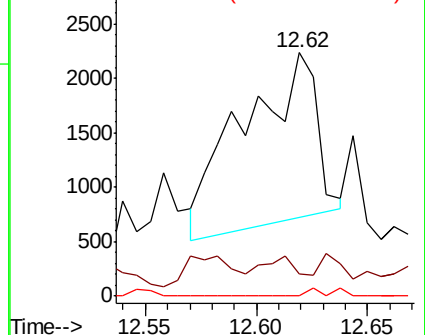
158 0.0 47.6 142.8#

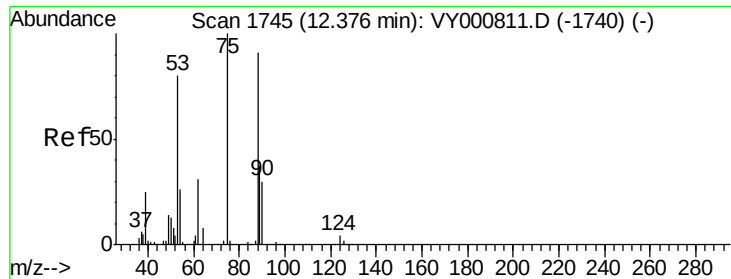


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 96.164 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000885.D

Acq: 05 Dec 2019 16:41

Instrument :

MSVOA_Y

ClientSampleId :

P001-WC011

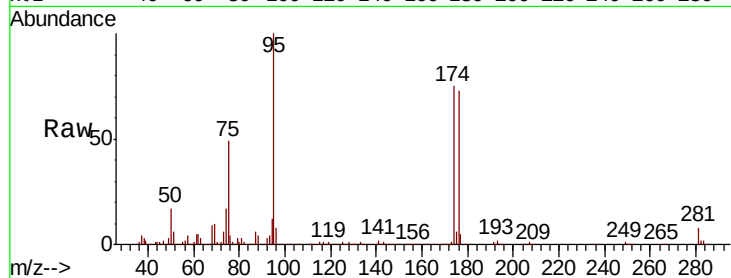
Tot Ion: 75 Resp: 105516

Ion Ratio Lower Upper

75 100

53 0.6 64.6 96.8#

89 0.2 33.6 50.4#



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

