

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002069.D
 Acq On : 25 Mar 2020 16:07
 Operator : SY/MD
 Sample : L2029-05
 Misc : 8.11G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:36:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	134222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	260301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	242455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	107167	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	84434	58.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.84%	
35) Dibromofluoromethane	7.75	113	73749	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.19	98	323891	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
62) 4-Bromofluorobenzene	12.49	95	109885	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	

Target Compounds

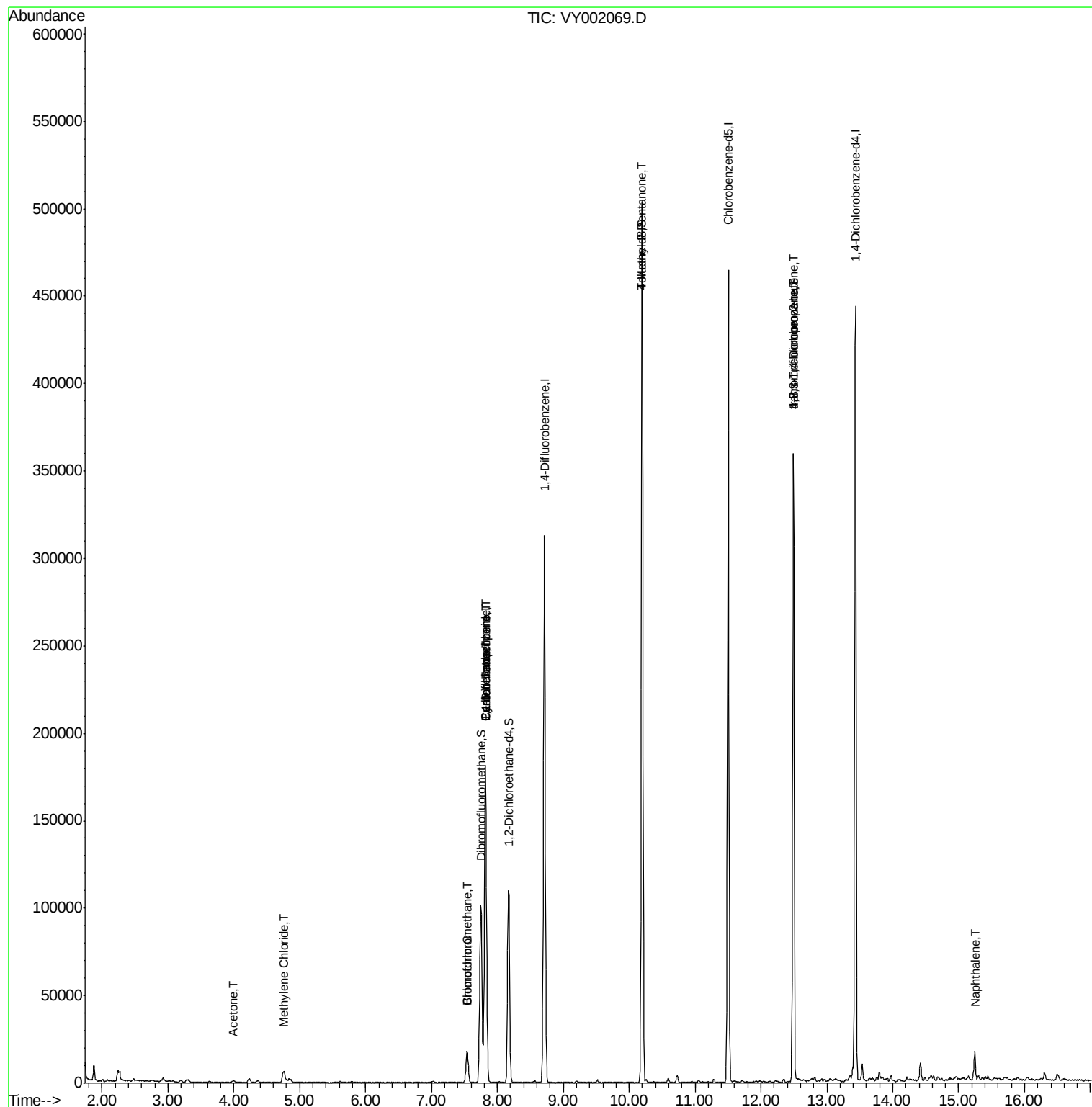
					Qvalue
11) Tert butyl alcohol	5.00	59	590	Below Cal	# 85
16) Acetone	3.99	43	1707	4.090	ug/l 97
20) Methylene Chloride	4.77	84	4767	2.665	ug/l 94
28) Bromochloromethane	7.54	49	1445	1.092	ug/l # 18
30) Chloroform	7.54	83	17966	6.512	ug/l 100
31) Cyclohexane	7.82	56	3490	1.108	ug/l # 4
36) 1,1-Dichloropropene	7.82	75	11287	4.506	ug/l # 50
38) Carbon Tetrachloride	7.82	117	14185	6.629	ug/l # 17
51) 4-Methyl-2-Pentanone	10.19	43	1669	1.176	ug/l # 1
76) 1,2,3-Trichloropropane	12.49	75	57459	45.186	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.49	75	57459	91.274	ug/l # 17
95) Naphthalene	15.25	128	11916	2.510	ug/l 98

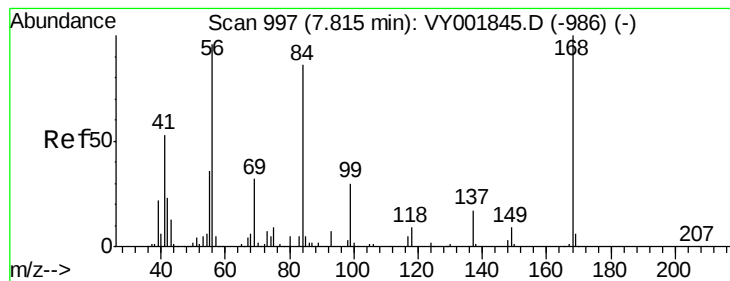
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

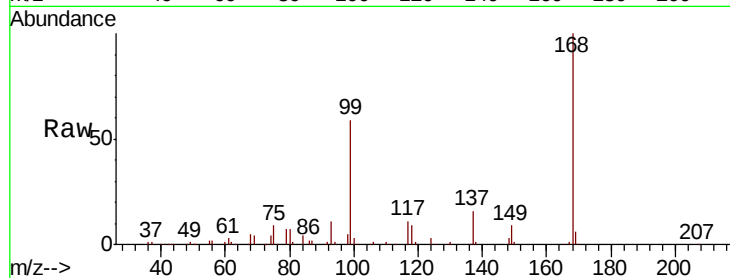
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 134222

Ion Ratio Lower Upper

168 100

99 59.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

60000

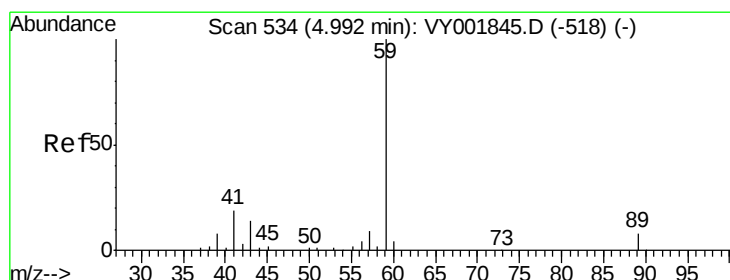
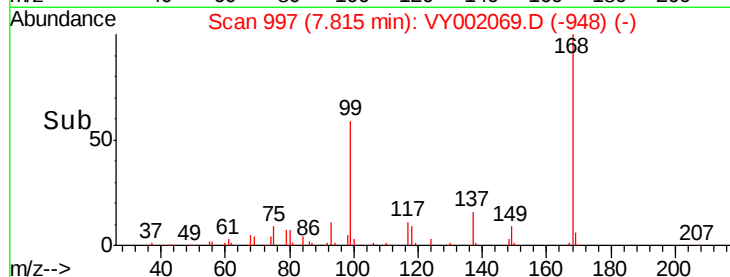
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 536

Delta R.T. 0.01 min

Lab File: VY002069.D

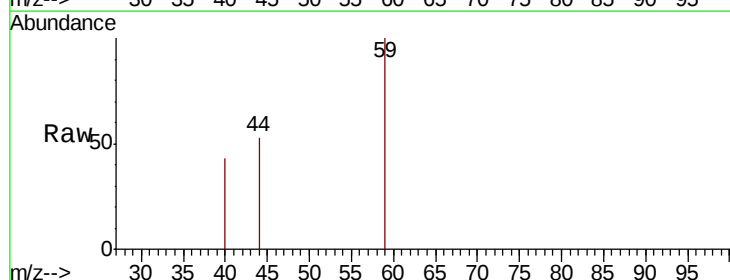
Acq: 25 Mar 2020 16:07

Tgt Ion: 59 Resp: 590

Ion Ratio Lower Upper

59 100

57 3.7 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)

5.00

300

250

200

150

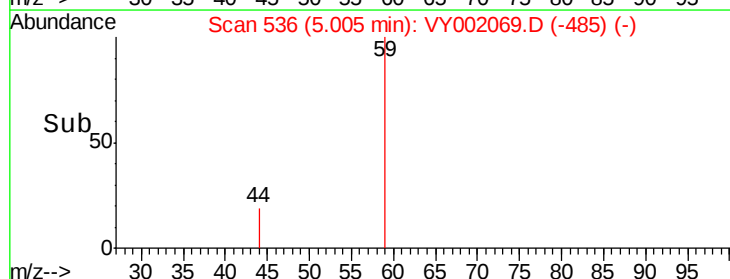
100

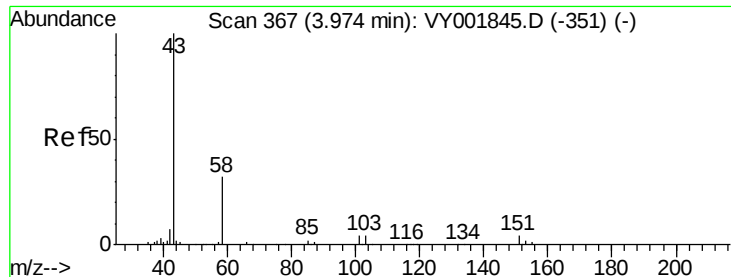
50

0

5.00 5.05

Time-->





#16

Acetone

Concen: 4.090 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

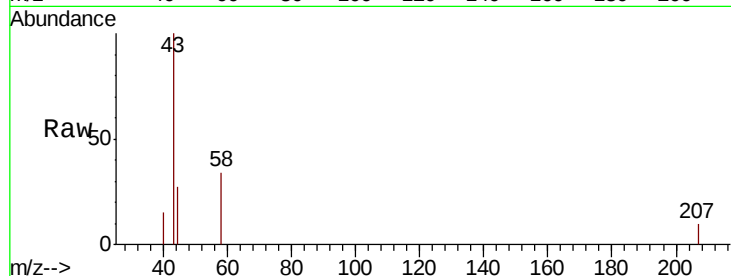
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 1707

Ion Ratio Lower Upper

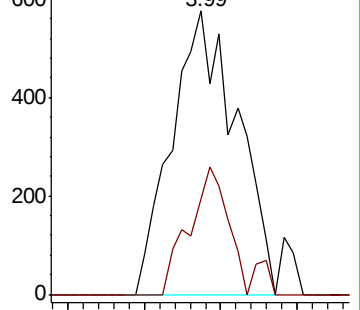
43 100

58 33.9 25.9 38.9

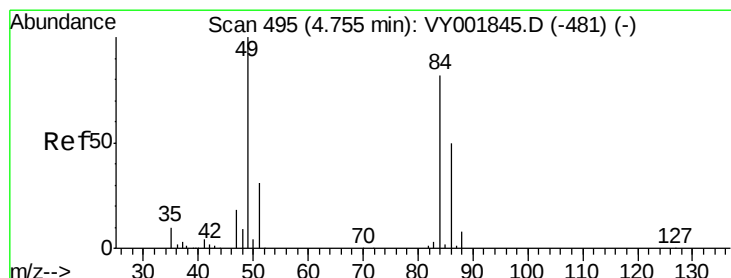
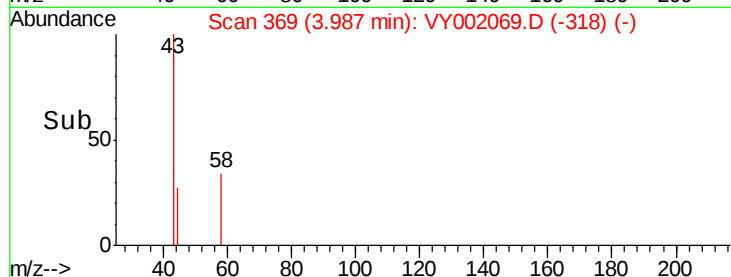


Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)



Time-->



#20

Methylene Chloride

Concen: 2.665 ug/l

RT: 4.77 min Scan# 497

Delta R.T. 0.01 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Tgt Ion: 84 Resp: 4767

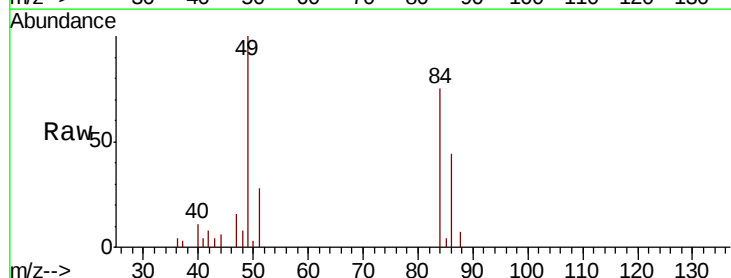
Ion Ratio Lower Upper

84 100

49 132.6 98.2 147.2

51 37.1 30.2 45.2

86 58.2 48.9 73.3

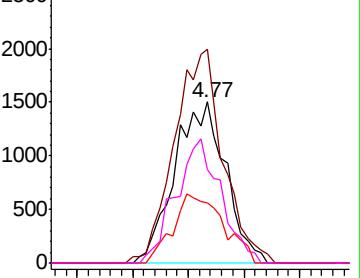


Abundance Ion 83.90 (83.60 to 84.60): VY001845.D (-481) (-)

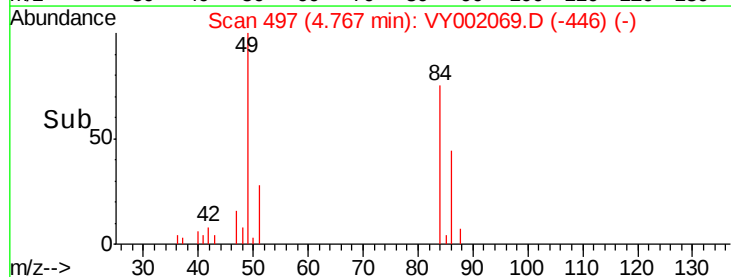
Ion 48.90 (48.60 to 49.60): VY001845.D (-481) (-)

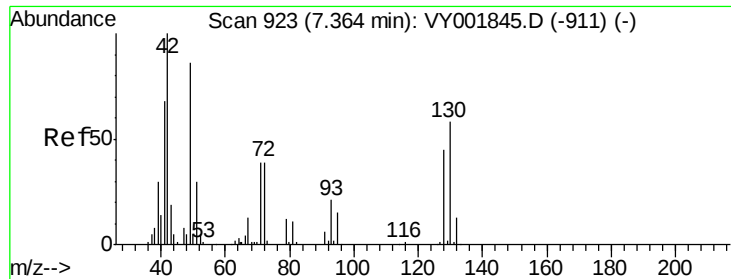
Ion 50.90 (50.60 to 51.60): VY001845.D (-481) (-)

Ion 85.90 (85.60 to 86.60): VY001845.D (-481) (-)



Time-->

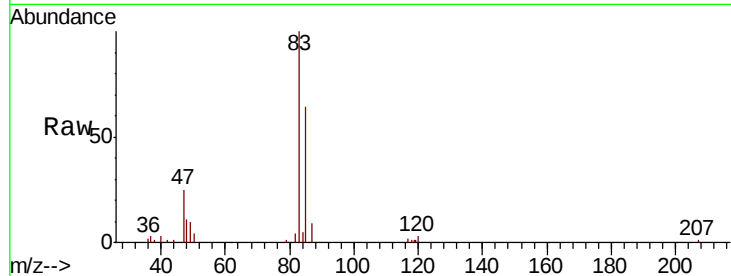




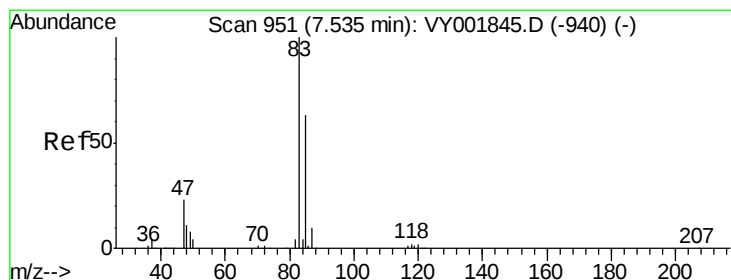
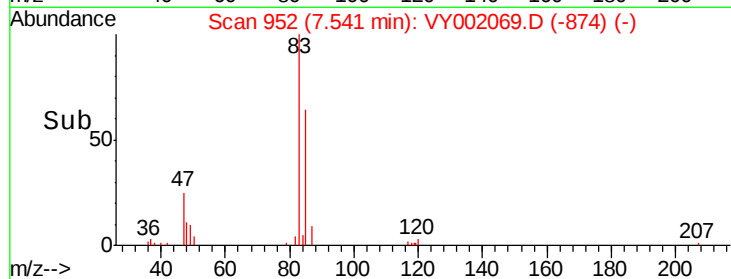
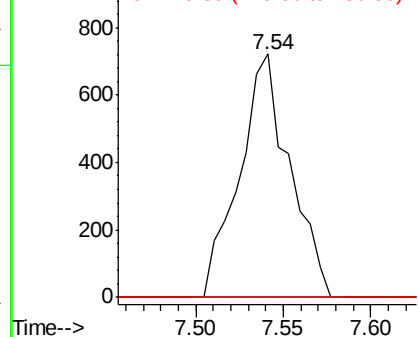
#28
Bromochloromethane
Concen: 1.092 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.18 min
Lab File: VY002069.D
Acq: 25 Mar 2020 16:07

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 1445
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 54.4 81.6#

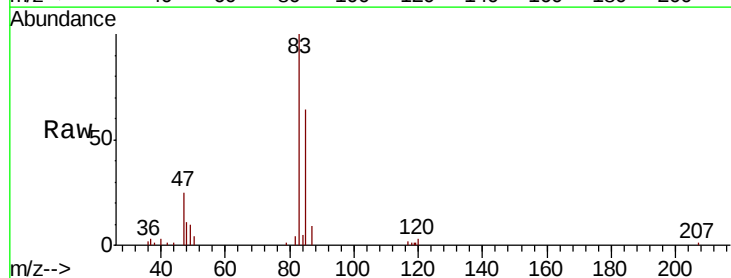


Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0

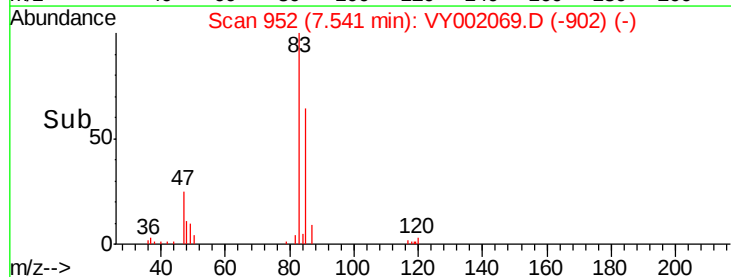
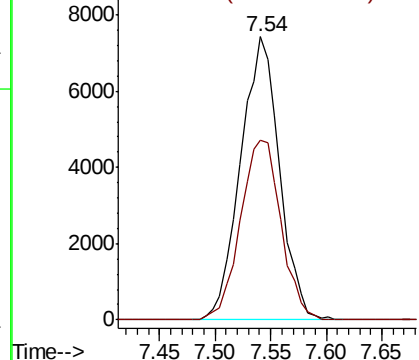


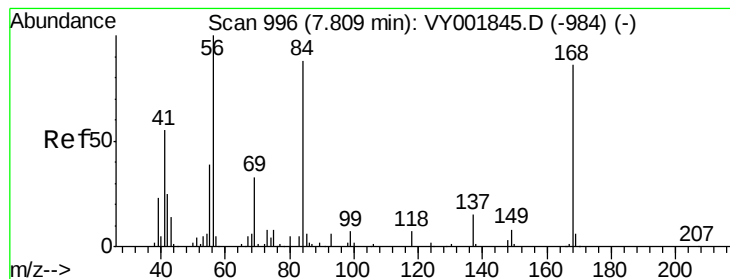
#30
Chloroform
Concen: 6.512 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY002069.D
Acq: 25 Mar 2020 16:07

Tgt Ion: 83 Resp: 17966
Ion Ratio Lower Upper
83 100
85 63.6 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 1.108 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Instrument :
MSVOA_Y
ClientSampled :

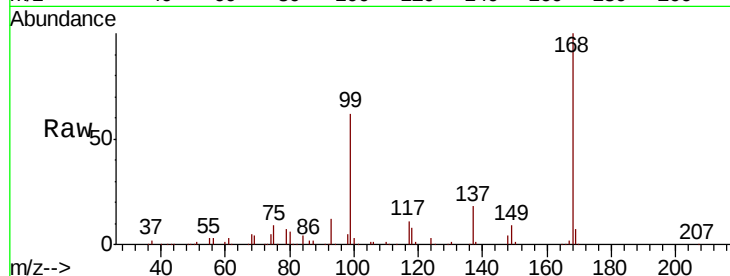
Tot Ion: 56 Resp: 3490

Ion Ratio Lower Upper

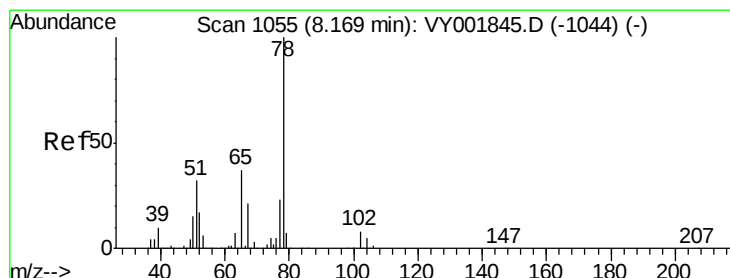
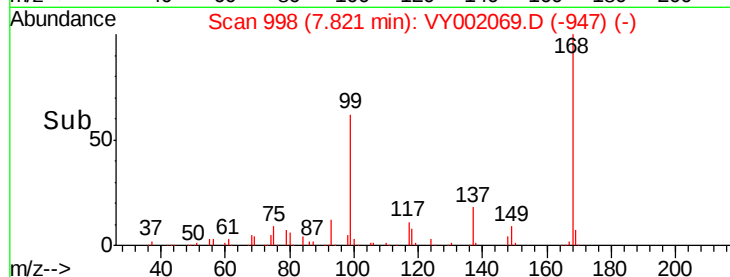
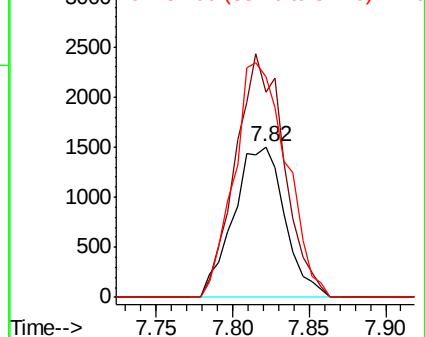
56 100

69 136.4 26.7 40.1#

84 146.8 70.4 105.6#



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: 58.925 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VY002069.D

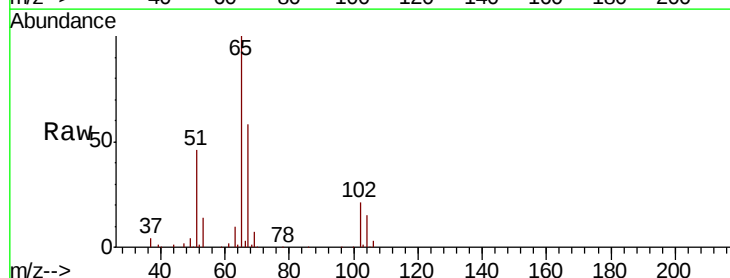
Acq: 25 Mar 2020 16:07

Tgt Ion: 65 Resp: 84434

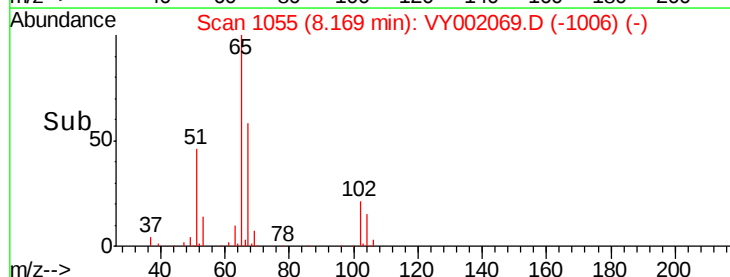
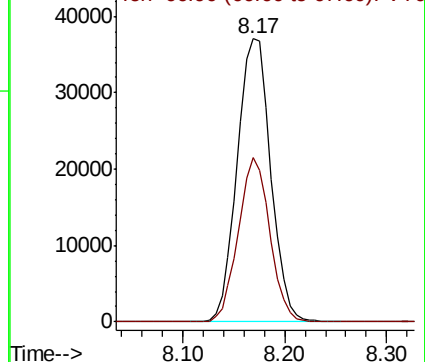
Ion Ratio Lower Upper

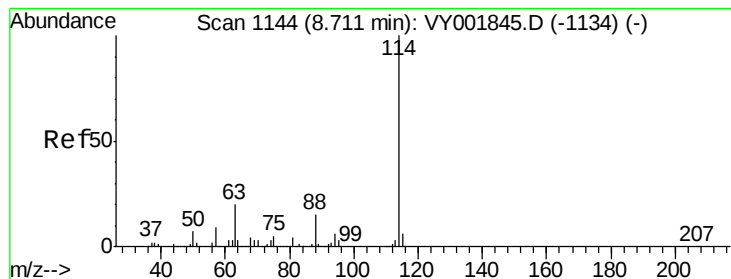
65 100

67 54.6 0.0 110.8



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: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Instrument :

MSVOA_Y

ClientSampleId :

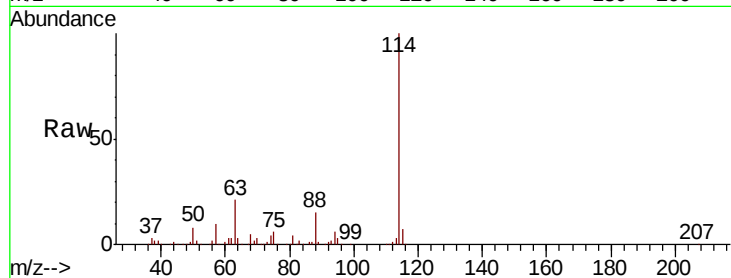
Tot Ion:114 Resp: 260301

Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.4

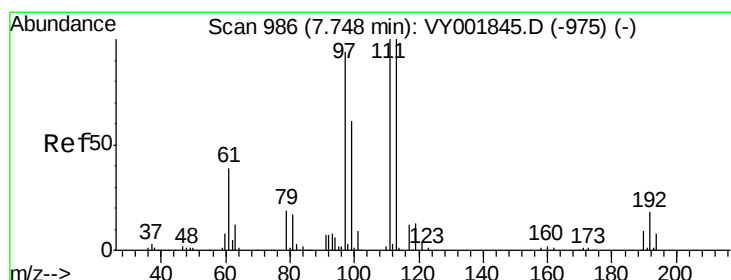
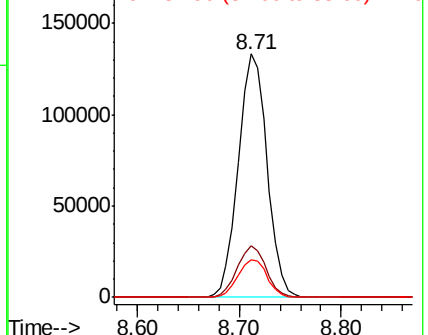
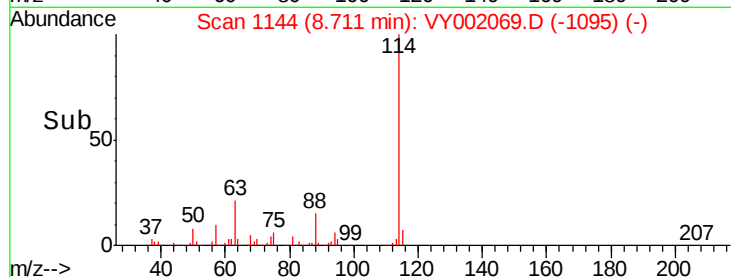
88 15.3 0.0 30.4



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: 51.886 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

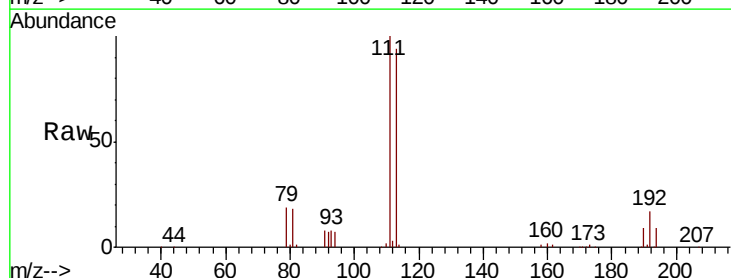
Tgt Ion:113 Resp: 73749

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

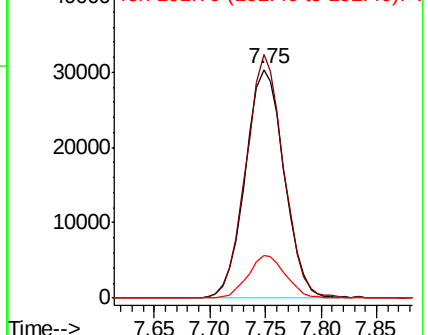
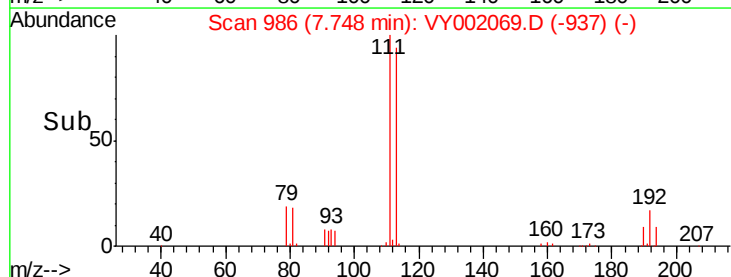
192 18.0 14.2 21.2

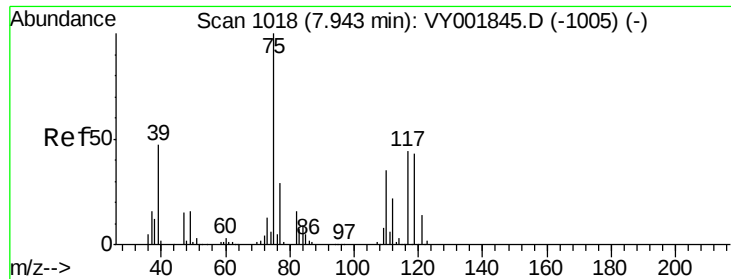


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

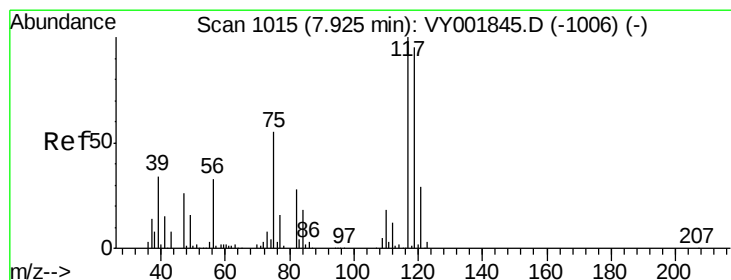
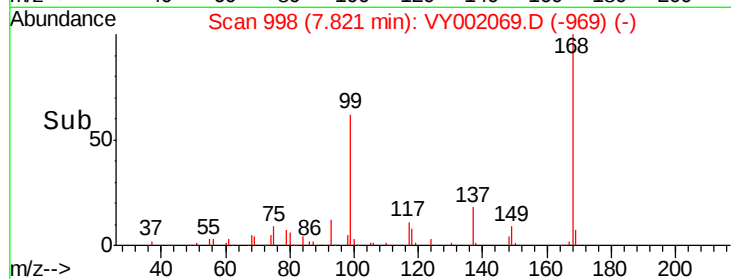
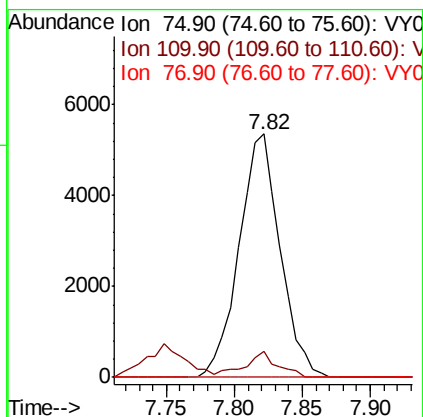
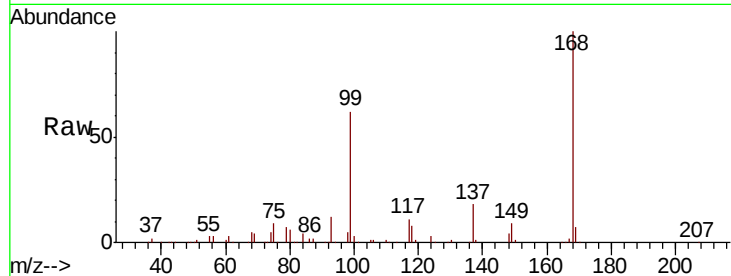




#36
 1,1-Dichloropropene
 Concen: 4.506 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002069.D
 Acq: 25 Mar 2020 16:07

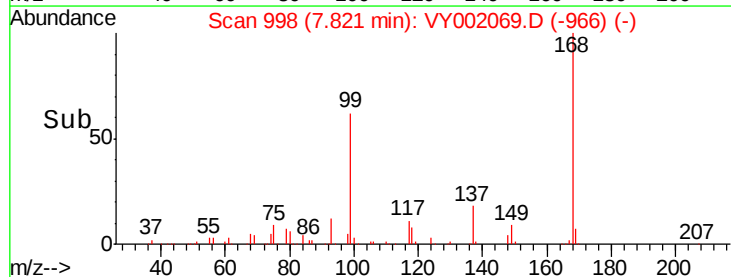
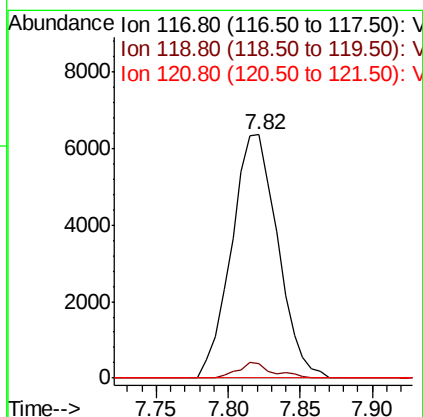
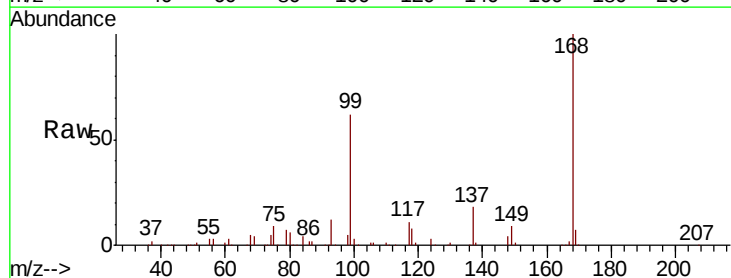
Instrument :
 MSVOA_Y
 ClientSampled :

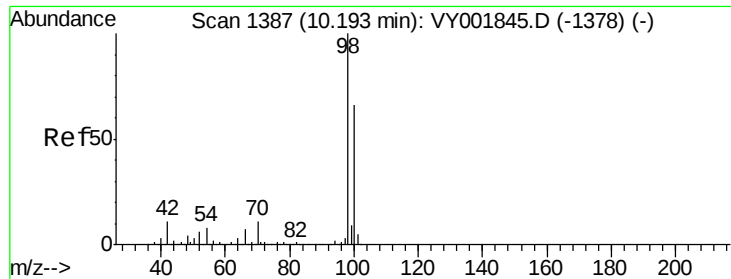
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.629 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY002069.D
 Acq: 25 Mar 2020 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.0	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 54.039 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Instrument :

MSVOA_Y

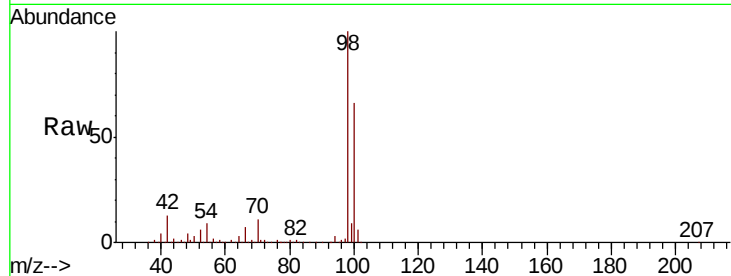
ClientSampleId :

Tot Ion: 98 Resp: 323891

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

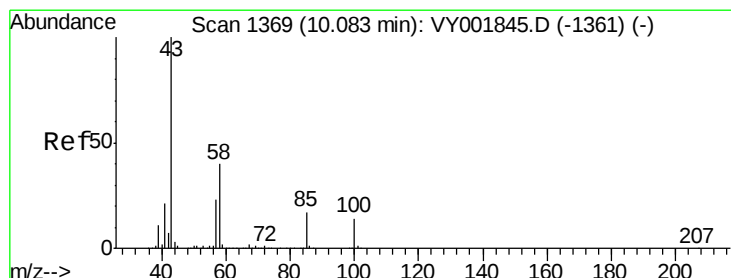
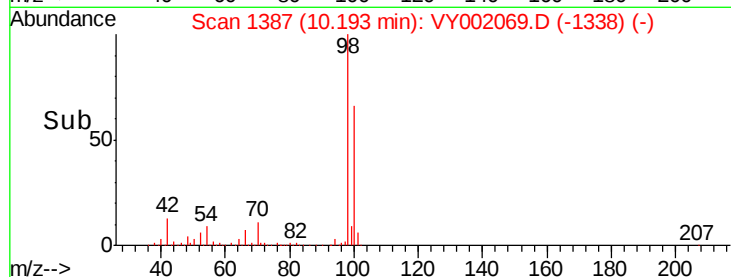
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.176 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002069.D

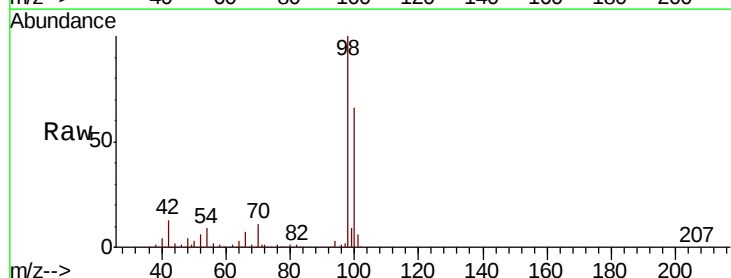
Acq: 25 Mar 2020 16:07

Tgt Ion: 43 Resp: 1669

Ion Ratio Lower Upper

43 100

58 173.9 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

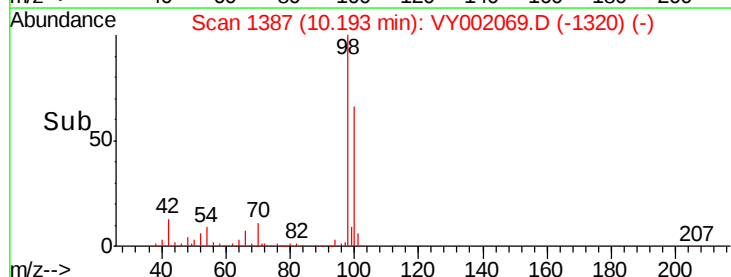
1500

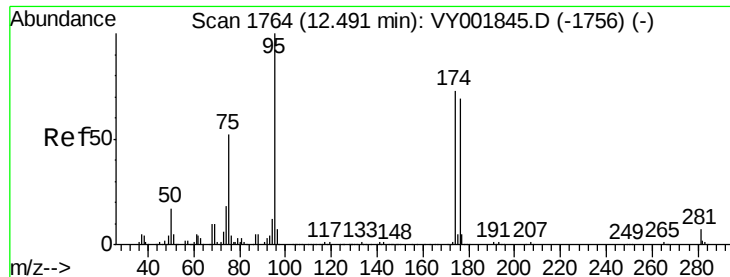
1000

500

0

Time-->

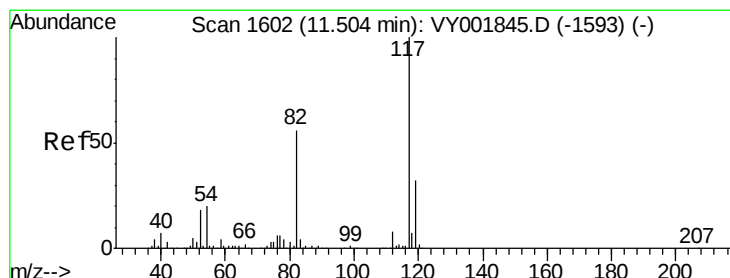
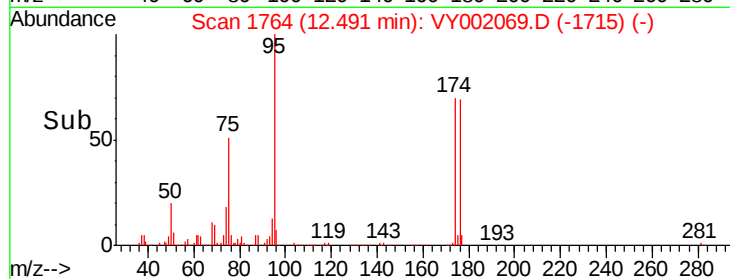
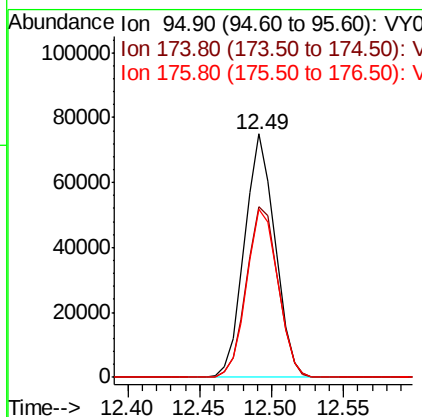
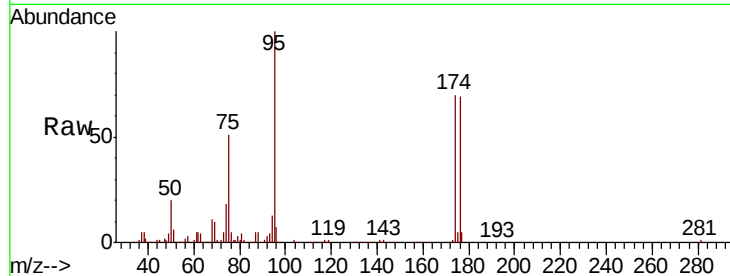




#62
4-Bromofluorobenzene
Concen: 52.726 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002069.D
Acq: 25 Mar 2020 16:07

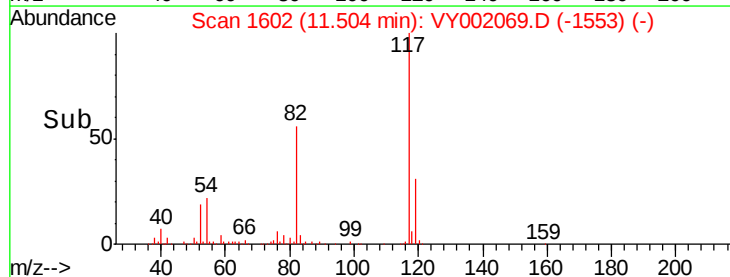
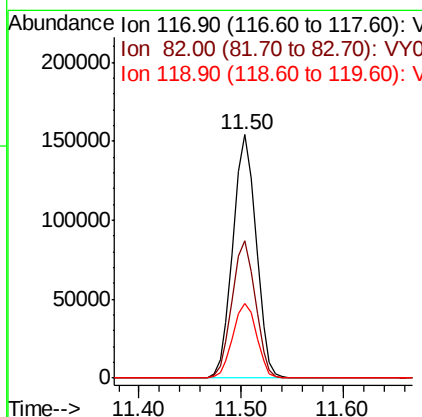
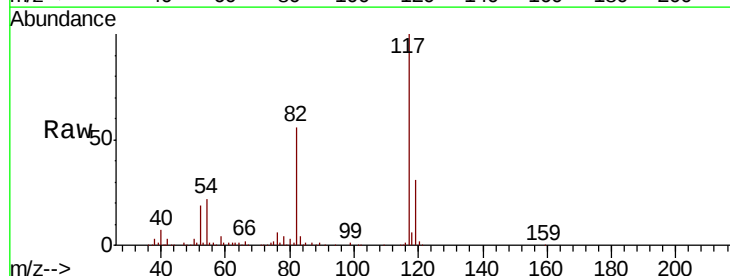
Instrument :
MSVOA_Y
ClientSampled :

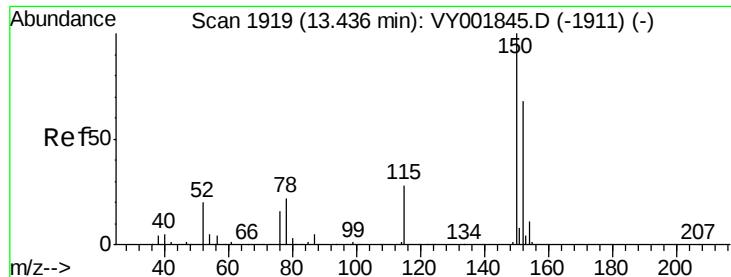
Tot Ion: 95 Resp: 109885
Ion Ratio Lower Upper
95 100
174 72.8 0.0 145.0
176 70.8 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002069.D
Acq: 25 Mar 2020 16:07

Tgt Ion: 117 Resp: 242455
Ion Ratio Lower Upper
117 100
82 56.2 44.5 66.7
119 30.8 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Instrument :

MSVOA_Y

ClientSampleId :

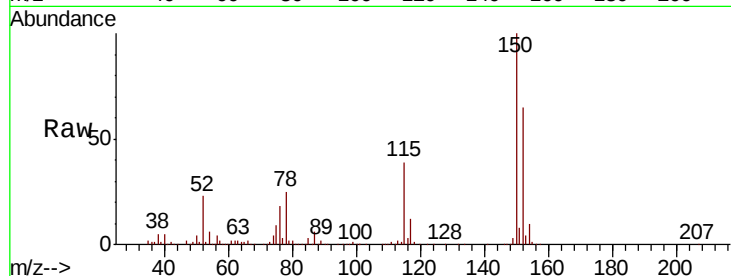
Tot Ion:152 Resp: 107167

Ion Ratio Lower Upper

152 100

115 61.8 29.9 89.7

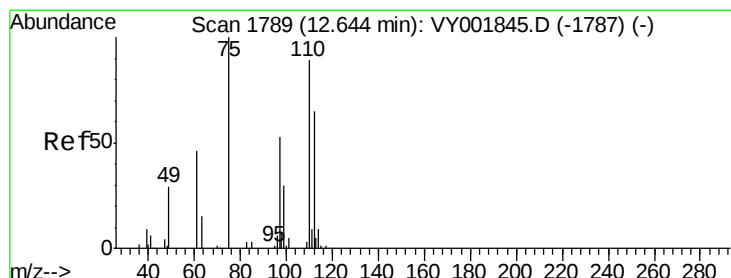
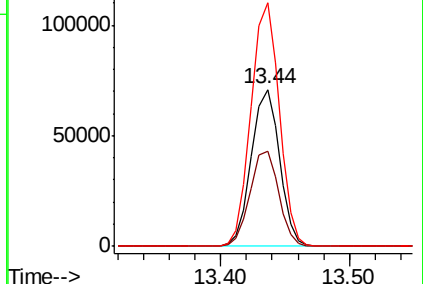
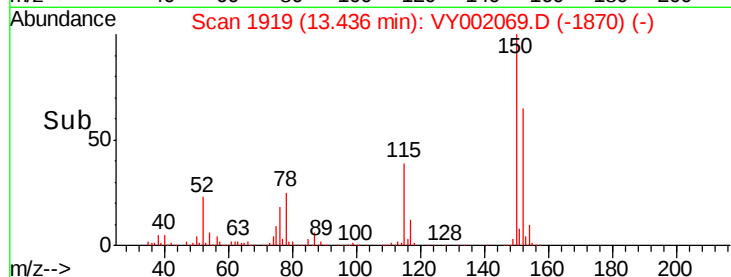
150 155.5 0.0 340.6



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: 45.186 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002069.D

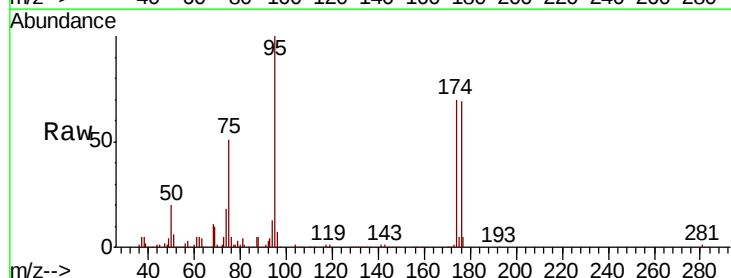
Acq: 25 Mar 2020 16:07

Tgt Ion: 75 Resp: 57459

Ion Ratio Lower Upper

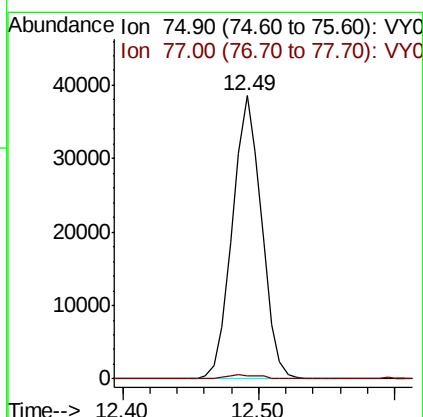
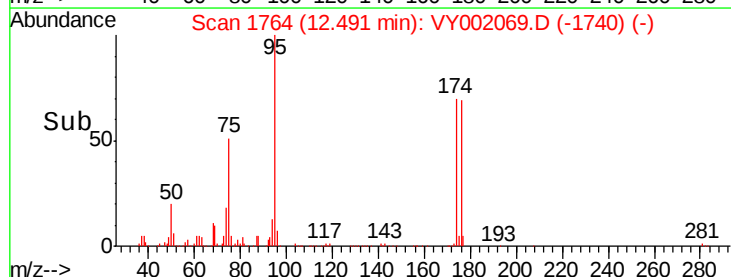
75 100

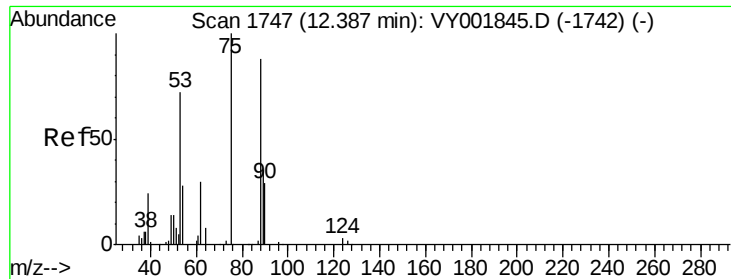
77 2.0 0.0 0.0#



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: 91.274 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

Instrument :

MSVOA_Y

ClientSampled :

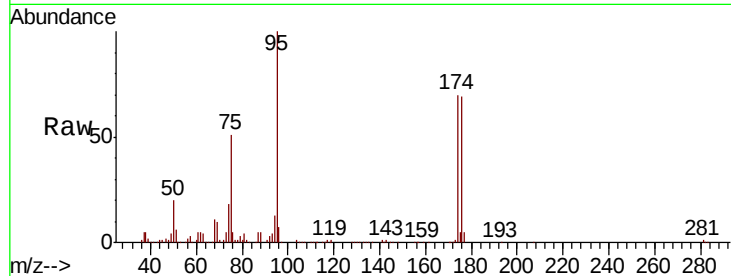
Tot Ion: 75 Resp: 57459

Ion Ratio Lower Upper

75 100

53 0.1 65.4 98.0#

89 0.1 36.0 54.0#

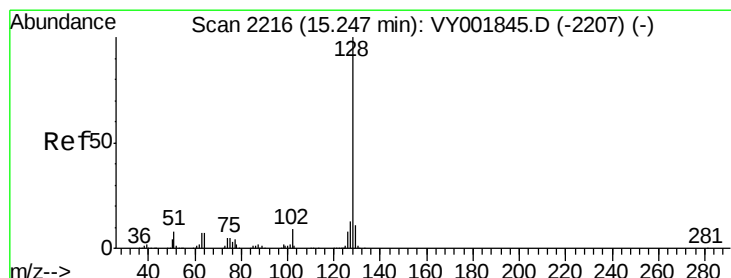
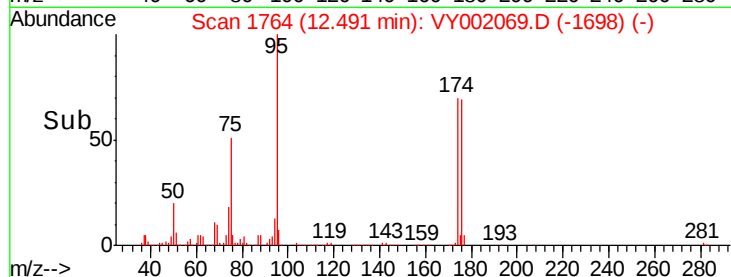
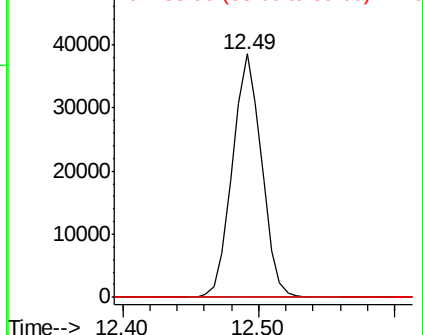


Abundance

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



#95

Naphthalene

Concen: 2.510 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY002069.D

Acq: 25 Mar 2020 16:07

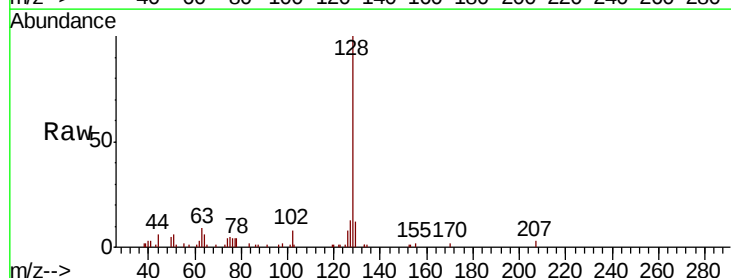
Tgt Ion: 128 Resp: 11916

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

129 12.5 8.6 13.0



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

