

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000102.D
 Acq On : 20 Sep 2019 12:52
 Operator : SY/MD
 Sample : K4863-11
 Misc : 4.94g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:46:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 05:38:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	91079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	192159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	139112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	38285	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	57090	54.48	ug/l	0.00
Spiked Amount			Recovery	=	108.96%	
35) Dibromofluoromethane	7.72	113	53769	46.21	ug/l	0.00
Spiked Amount			Recovery	=	92.42%	
50) Toluene-d8	10.18	98	216040	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
62) 4-Bromofluorobenzene	12.48	95	54664	32.22	ug/l	0.00
Spiked Amount			Recovery	=	64.44%	

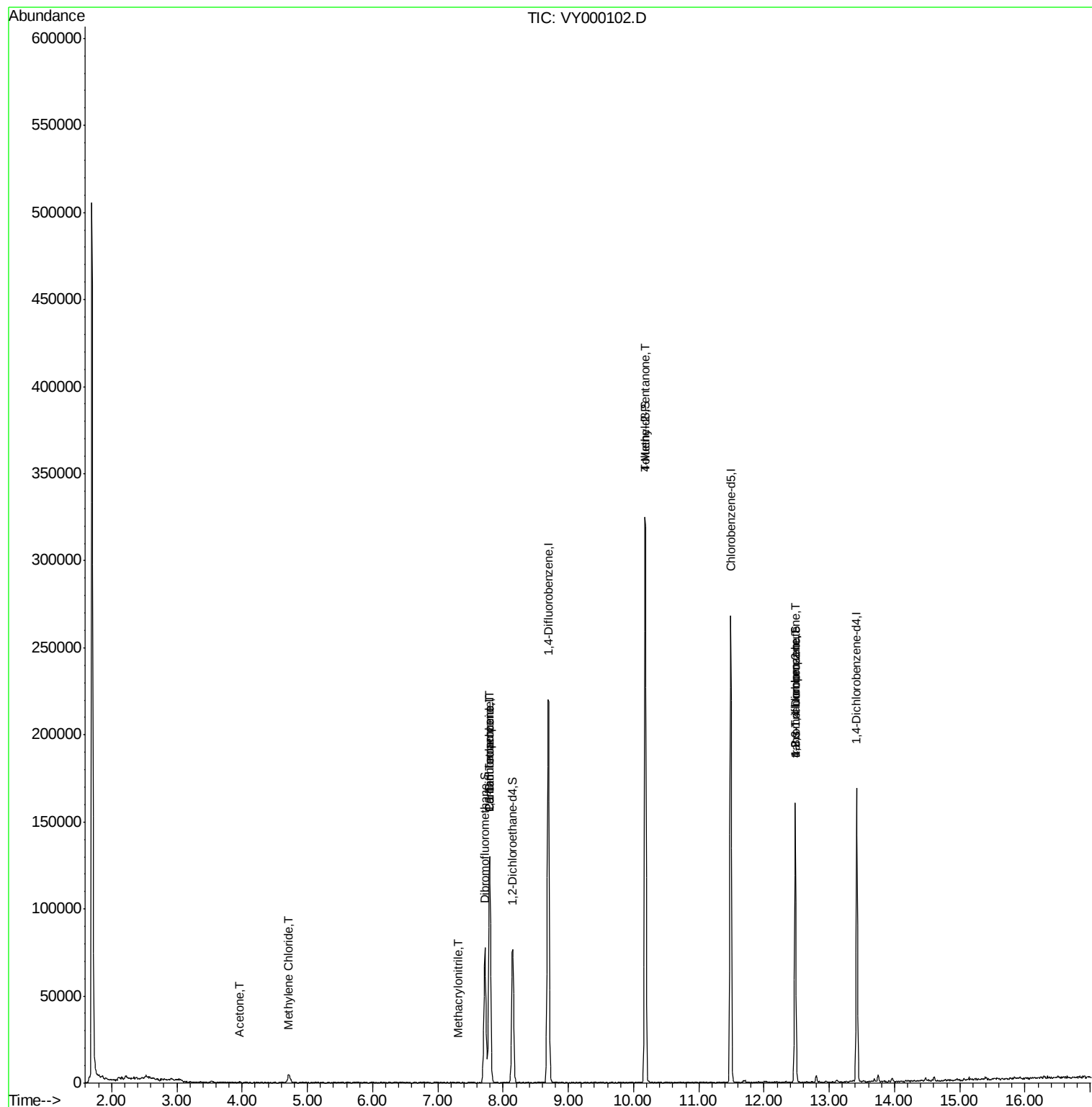
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	68	Below Cal	#	14
3) Chloromethane	2.11	50	929	Below Cal	#	82
5) Bromomethane	2.66	94	21	Below Cal	#	6
13) Acrolein	3.74	56	48	Below Cal	#	1
16) Acetone	3.96	43	443	1.816	ug/l #	33
17) Carbon Disulfide	4.18	76	76	Below Cal	#	77
20) Methylene Chloride	4.71	84	3552	3.095	ug/l #	77
31) Cyclohexane	7.79	56	2571	Below Cal	#	32
36) 1,1-Dichloropropene	7.79	75	8139	5.665	ug/l #	50
38) Carbon Tetrachloride	7.79	117	10286	7.585	ug/l #	17
41) Methacrylonitrile	7.30	41	76	4.402	ug/l #	1
51) 4-Methyl-2-Pentanone	10.17	43	1032	1.009	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	27617	51.269	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	27617	98.603	ug/l #	19

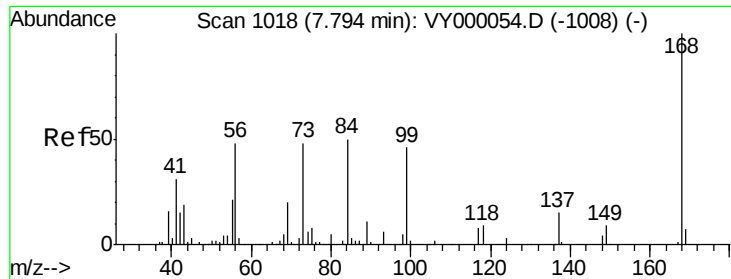
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

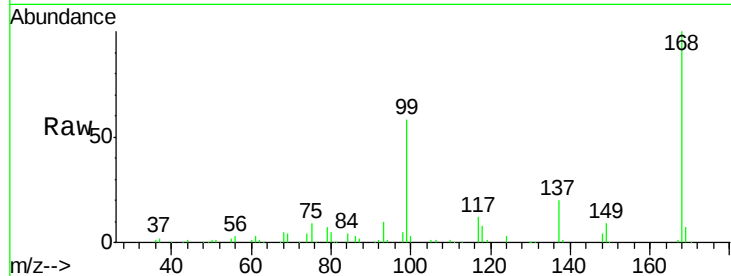
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 91079

Ion Ratio Lower Upper

168 100

99 58.4 44.2 66.2

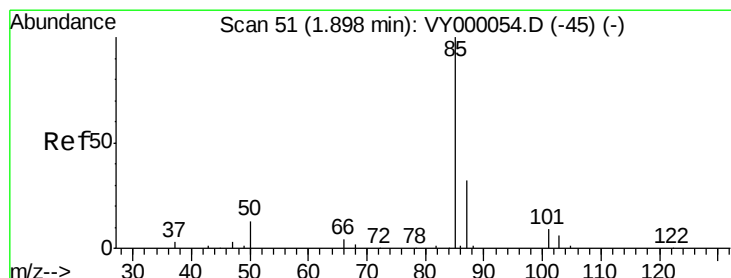
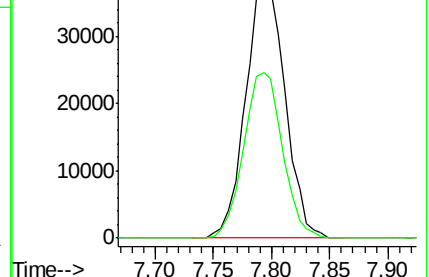
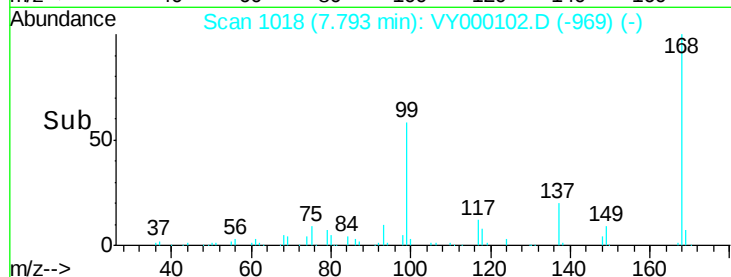


Abundance Ion 167.90 (167.60 to 168.60): VY000054.D (-1008) (-)

Ion 98.90 (98.60 to 99.60): VY000054.D (-1008) (-)

7.79

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 52

Delta R.T. 0.01 min

Lab File: VY000102.D

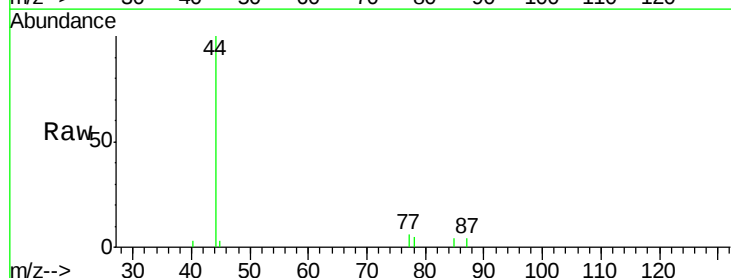
Acq: 20 Sep 2019 12:52

Tgt Ion: 85 Resp: 68

Ion Ratio Lower Upper

85 100

87 80.4 16.2 48.5#

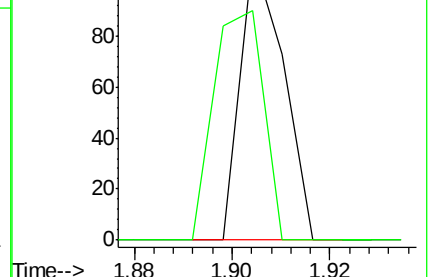
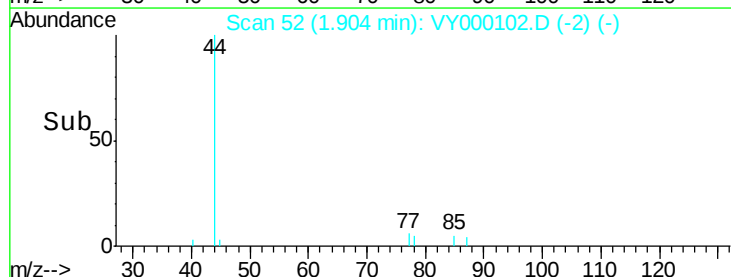


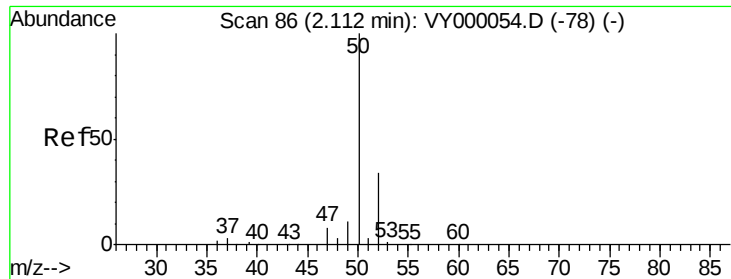
Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)

1.90

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA_Y

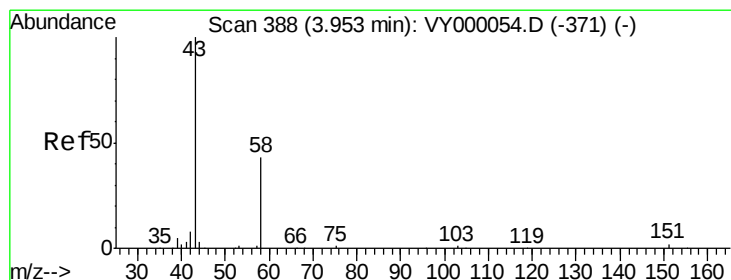
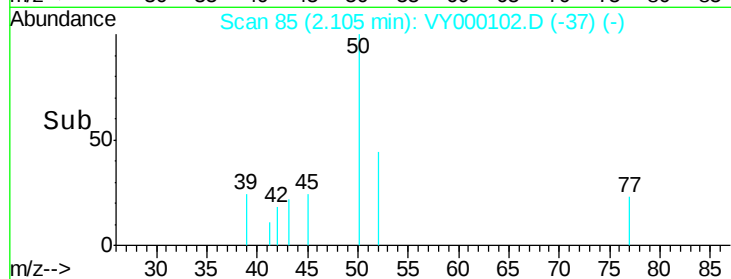
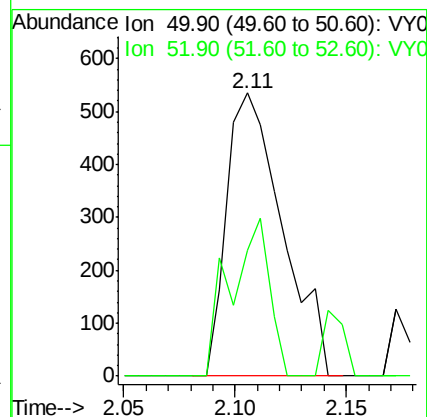
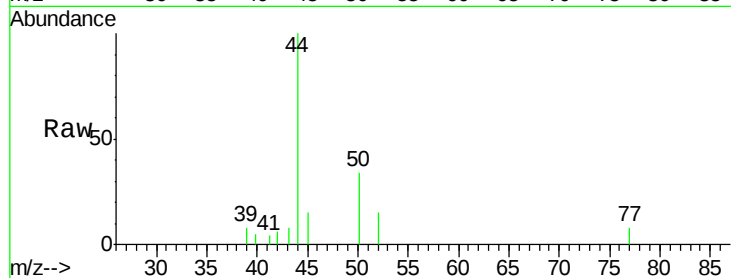
ClientSampled :

Tot Ion: 50 Resp: 929

Ion Ratio Lower Upper

50 100

52 44.5 27.3 40.9#



#16

Acetone

Concen: 1.816 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000102.D

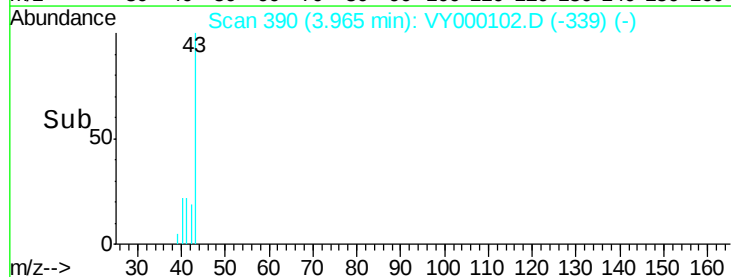
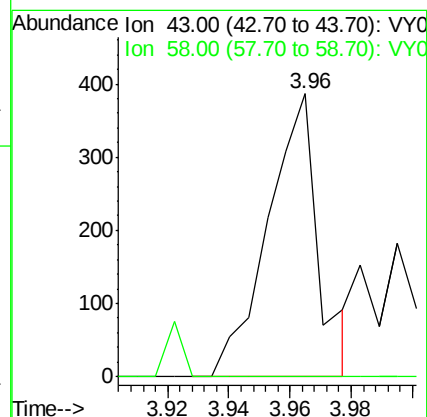
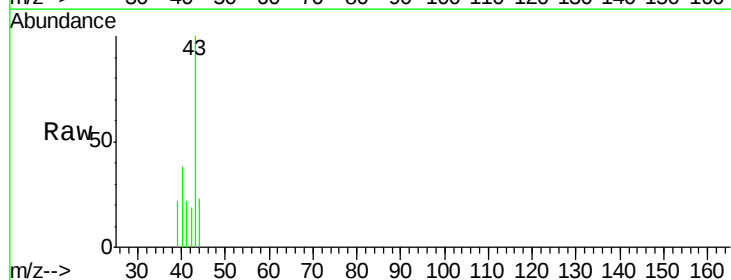
Acq: 20 Sep 2019 12:52

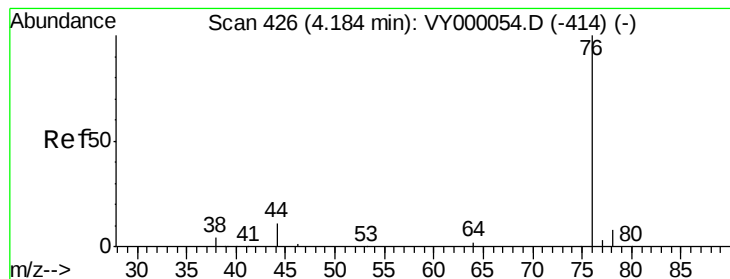
Tgt Ion: 43 Resp: 443

Ion Ratio Lower Upper

43 100

58 0.0 34.5 51.7#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA_Y

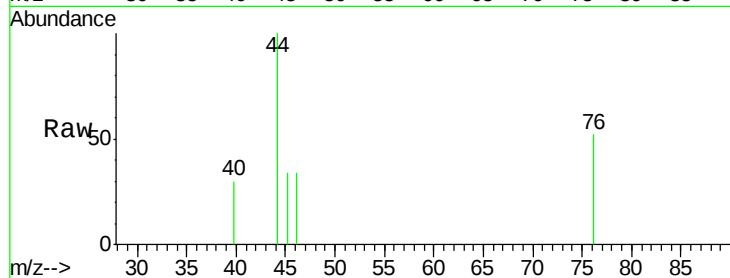
ClientSampleId :

Tot Ion: 76 Resp: 76

Ion Ratio Lower Upper

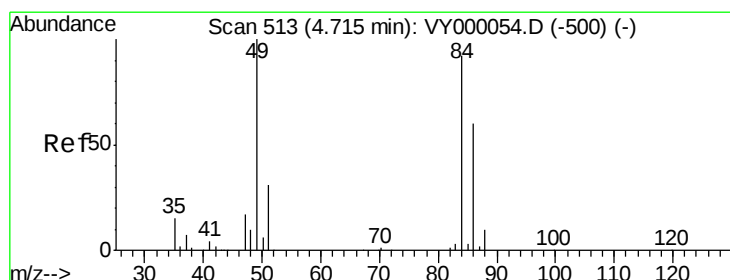
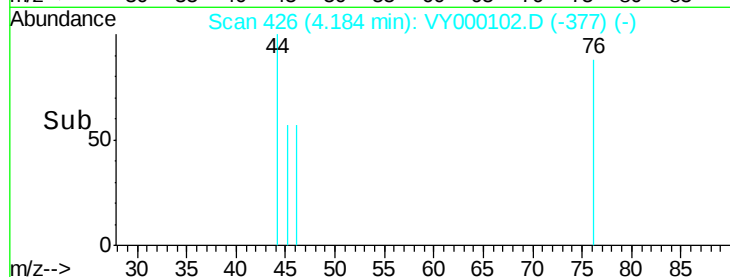
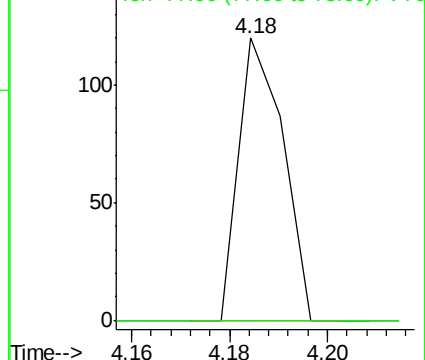
76 100

78 0.0 6.6 9.8#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#20

Methylene Chloride

Concen: 3.095 ug/l

RT: 4.71 min Scan# 512

Delta R.T. -0.01 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Tgt Ion: 84 Resp: 3552

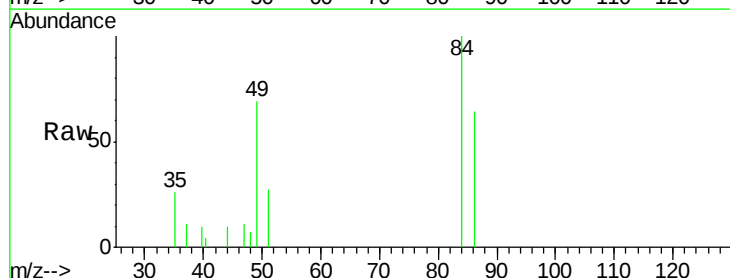
Ion Ratio Lower Upper

84 100

49 69.0 87.4 131.0#

51 26.6 27.2 40.8#

86 63.9 52.8 79.2

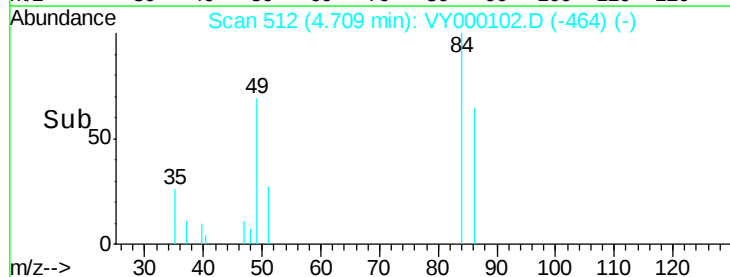
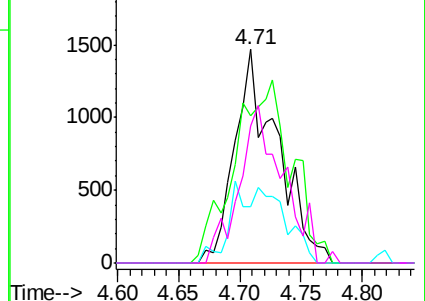


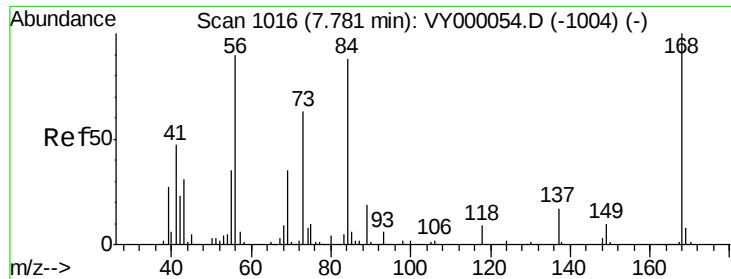
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

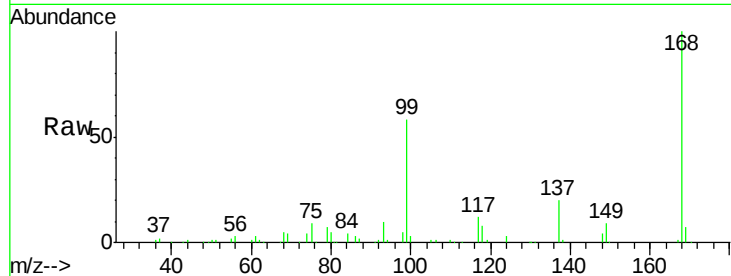




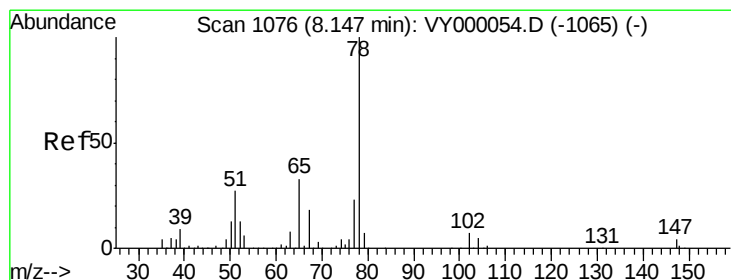
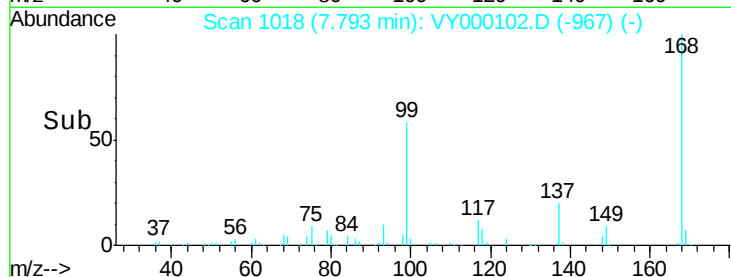
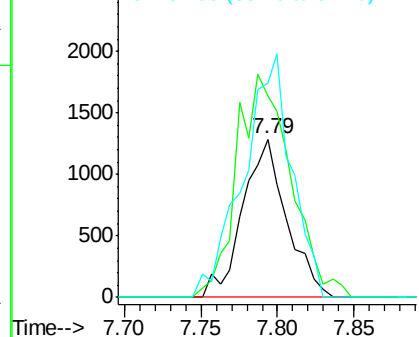
#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000102.D
Acq: 20 Sep 2019 12:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 2571
Ion Ratio Lower Upper
56 100
69 126.8 30.9 46.3#
84 135.5 78.5 117.7#

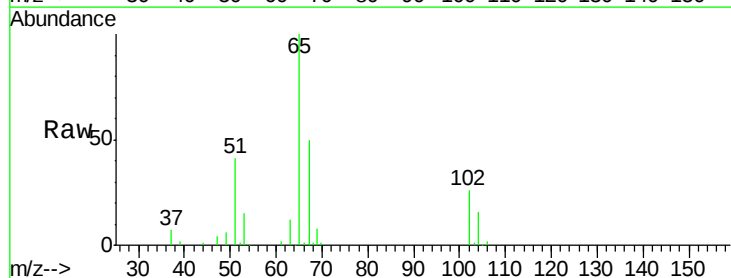


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

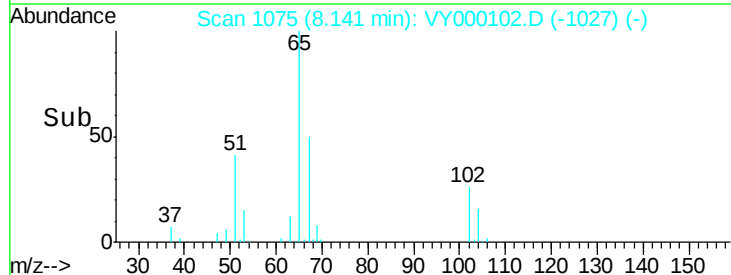
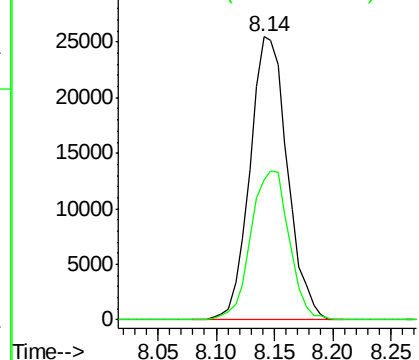


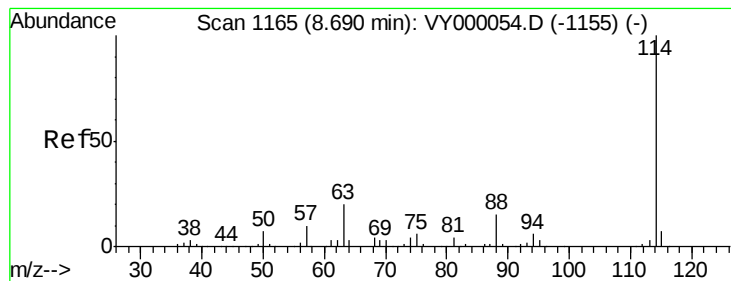
#33
1,2-Dichloroethane-d4
Concen: 54.482 ug/l
RT: 8.14 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VY000102.D
Acq: 20 Sep 2019 12:52

Tgt Ion: 65 Resp: 57090
Ion Ratio Lower Upper
65 100
67 54.0 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# 1165

Delta R.T. -0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA_Y

ClientSampleId :

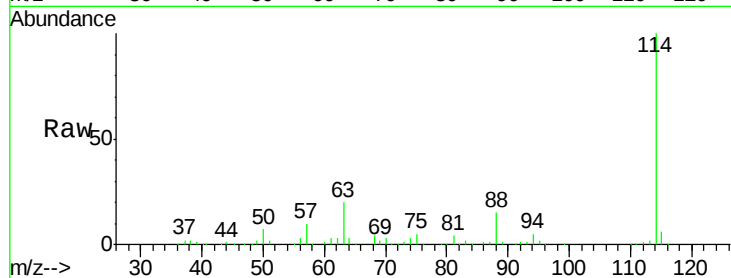
Tot Ion:114 Resp: 192159

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

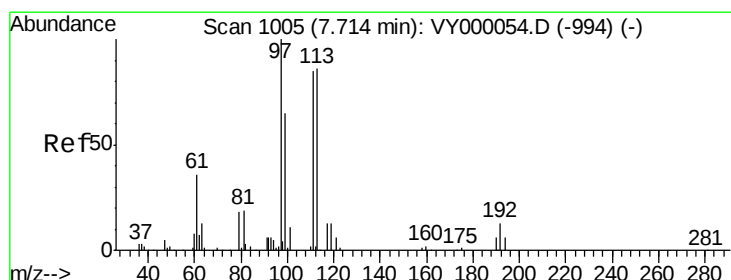
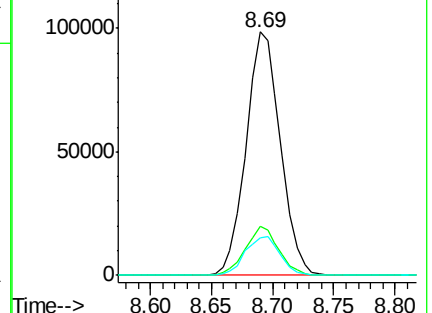
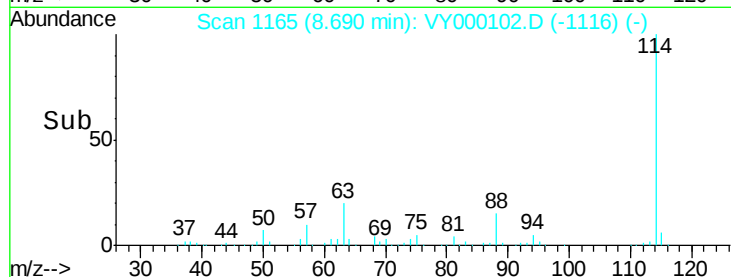
88 15.2 0.0 30.2



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: 46.214 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

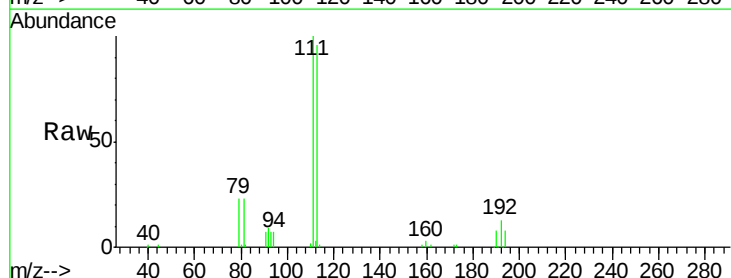
Tgt Ion:113 Resp: 53769

Ion Ratio Lower Upper

113 100

111 104.0 81.7 122.5

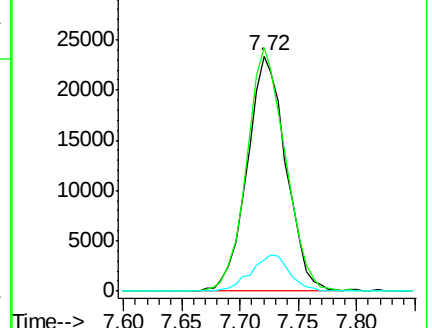
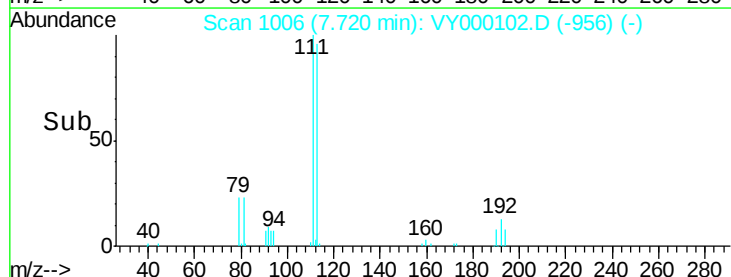
192 15.3 13.4 20.2

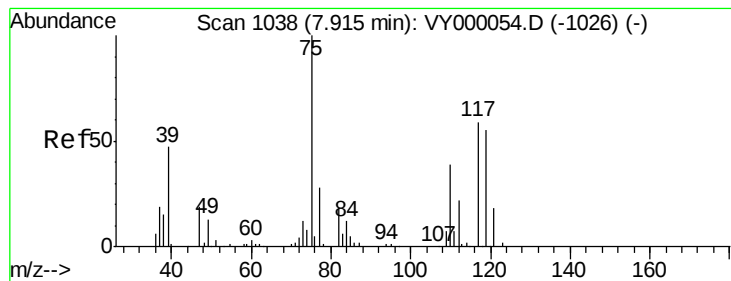


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.665 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.12 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA_Y

ClientSampleId :

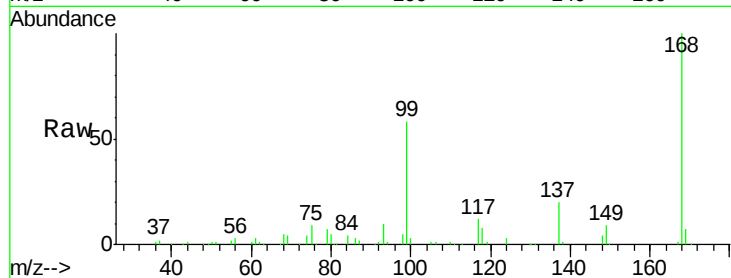
Tot Ion: 75 Resp: 8139

Ion Ratio Lower Upper

75 100

110 11.6 19.6 58.7#

77 0.0 24.3 36.5#

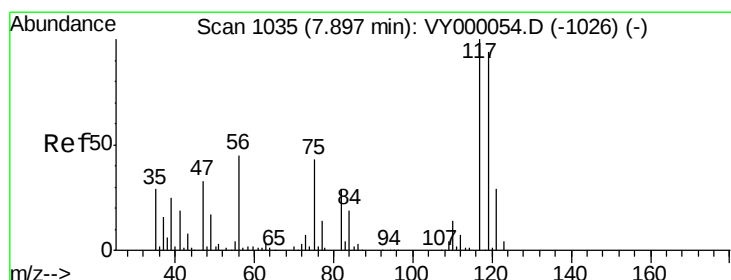
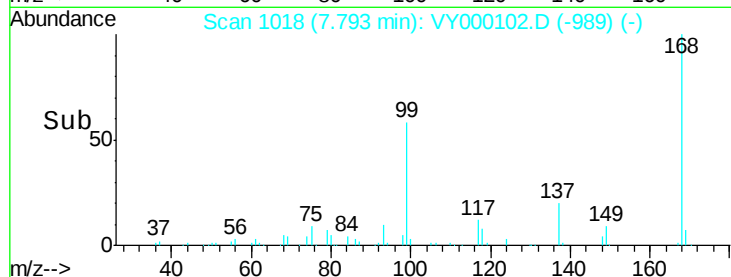


Abundance Ion 74.90 (74.60 to 75.60): VY000054.D (-1026) (-)

Ion 109.90 (109.60 to 110.60): VY000054.D (-1026) (-)

Ion 76.90 (76.60 to 77.60): VY000054.D (-1026) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 7.585 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.10 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

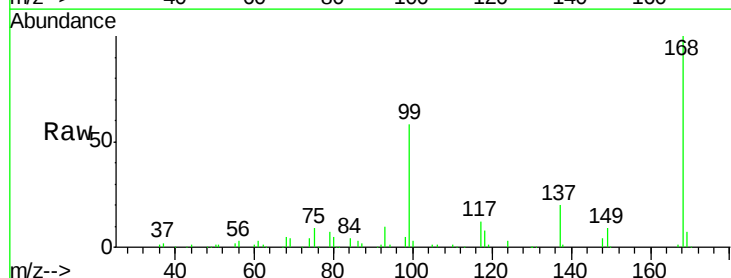
Tgt Ion: 117 Resp: 10286

Ion Ratio Lower Upper

117 100

119 5.0 75.0 112.6#

121 0.0 22.8 34.2#

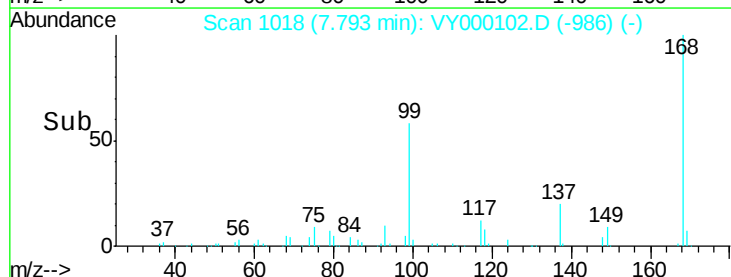


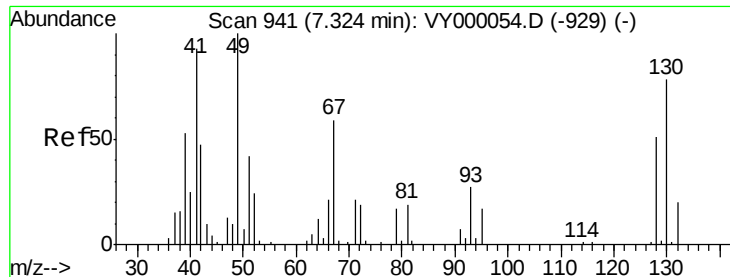
Abundance Ion 116.80 (116.50 to 117.50): VY000054.D (-1026) (-)

Ion 118.80 (118.50 to 119.50): VY000054.D (-1026) (-)

Ion 120.80 (120.50 to 121.50): VY000054.D (-1026) (-)

Time-->





#41

Methacrylonitrile

Concen: 4.402 ug/l

RT: 7.30 min Scan# 937

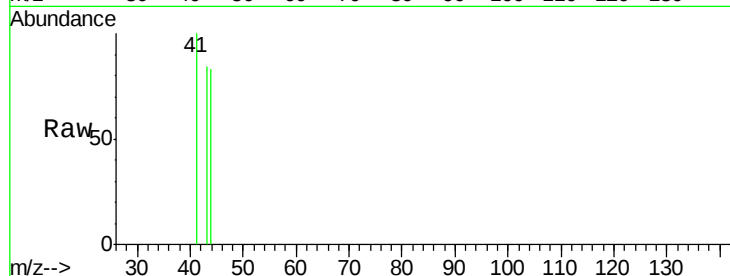
Delta R.T. -0.02 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	76
Ion	Ratio	Lower	Upper
41	100		
39	0.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

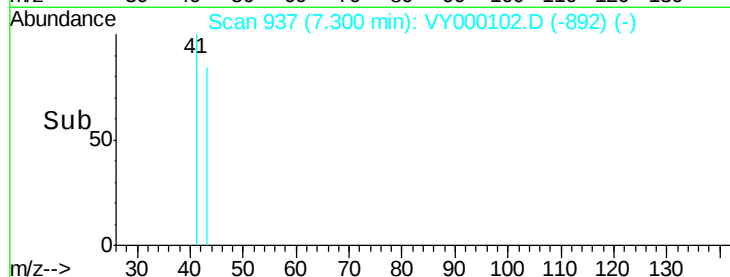
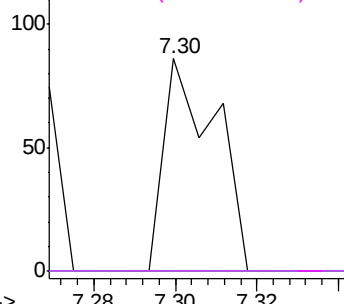


Abundance Ion 41.00 (40.70 to 41.70): VY0

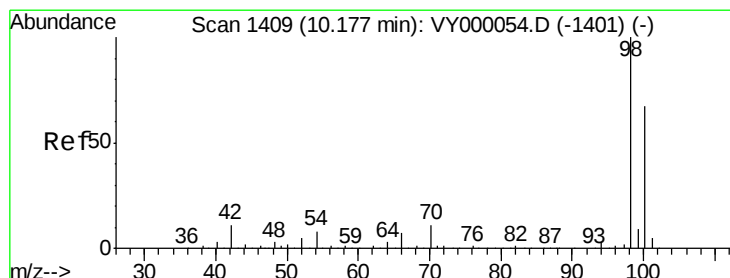
Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



Time-->



#50

Toluene-d8

Concen: 47.276 ug/l

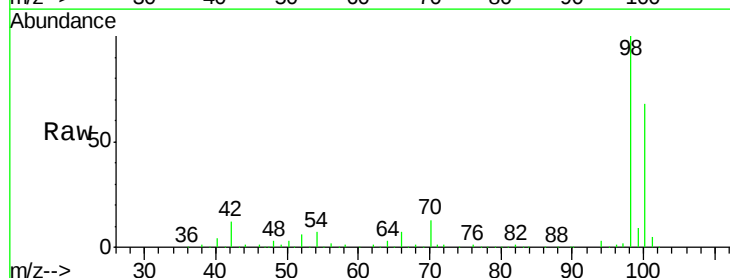
RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000102.D

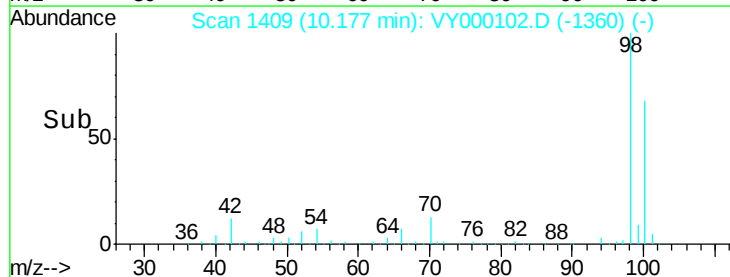
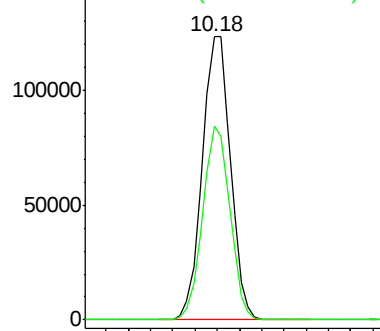
Acq: 20 Sep 2019 12:52

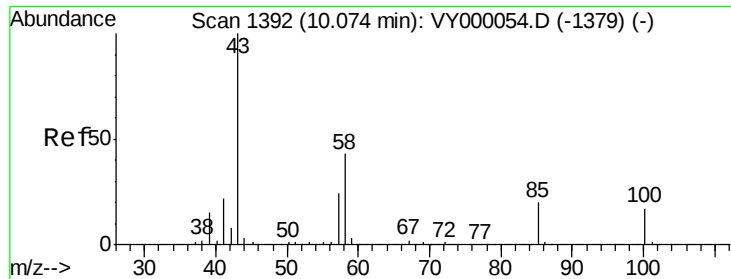
Tgt Ion:	98	Resp:	216040
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 1.009 ug/l

RT: 10.17 min Scan# 1408

Delta R.T. 0.10 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA_Y

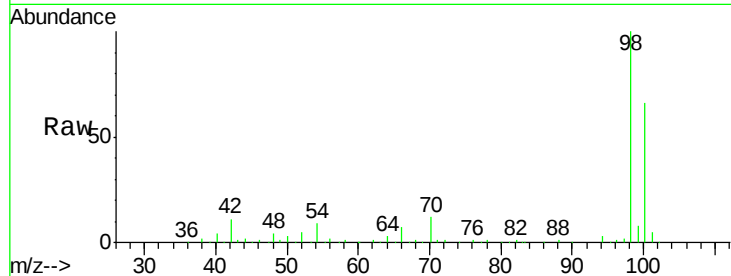
ClientSampleId :

Tot Ion: 43 Resp: 1032

Ion Ratio Lower Upper

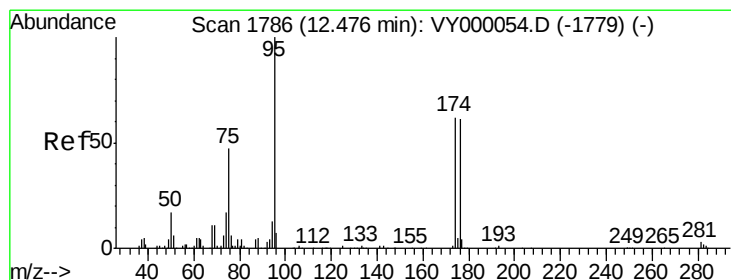
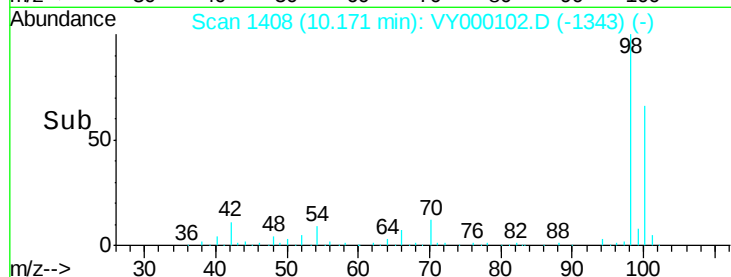
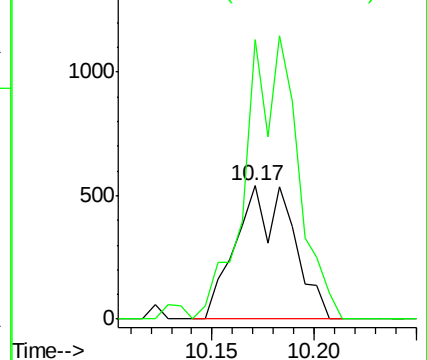
43 100

58 194.9 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 32.219 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

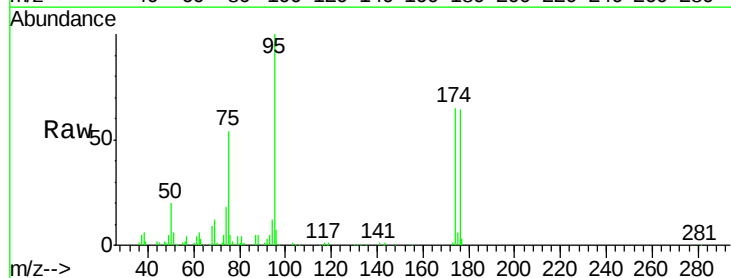
Tgt Ion: 95 Resp: 54664

Ion Ratio Lower Upper

95 100

174 63.6 0.0 137.2

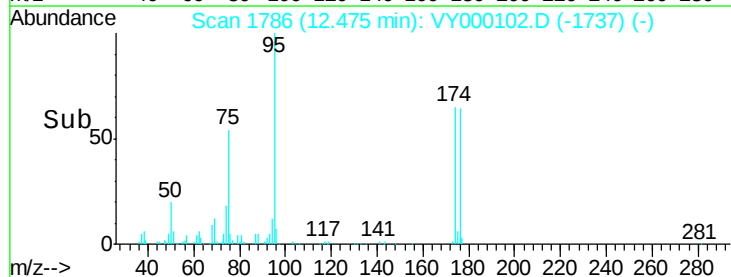
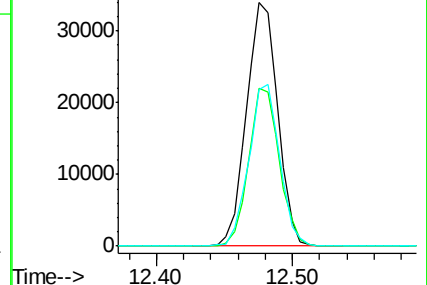
176 65.4 0.0 135.0

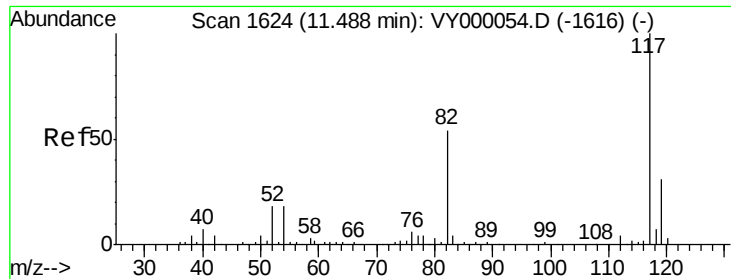


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

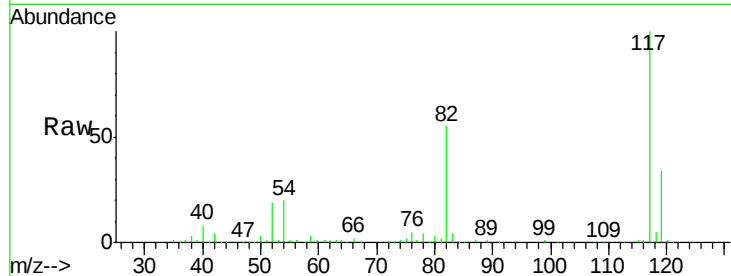




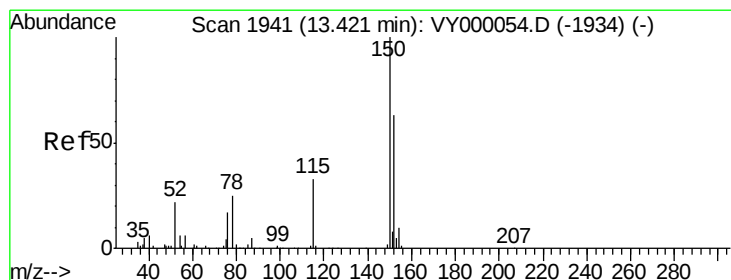
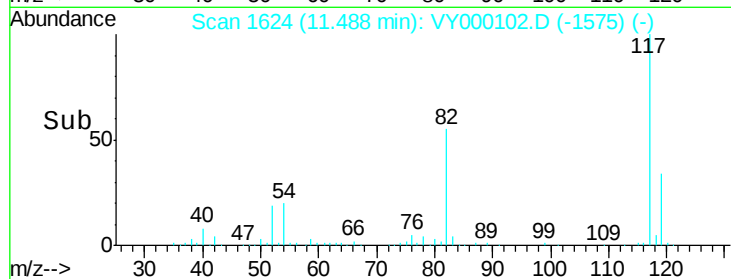
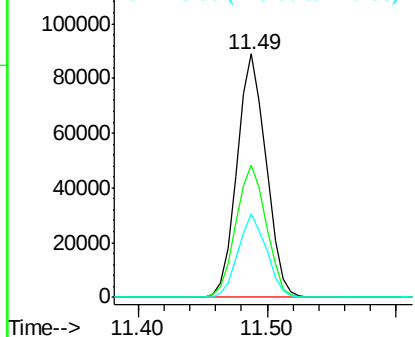
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000102.D
Acq: 20 Sep 2019 12:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 139112
Ion Ratio Lower Upper
117 100
82 54.6 43.5 65.3
119 34.1 24.6 36.8

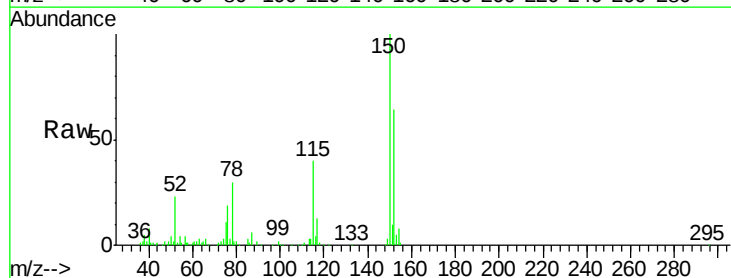


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

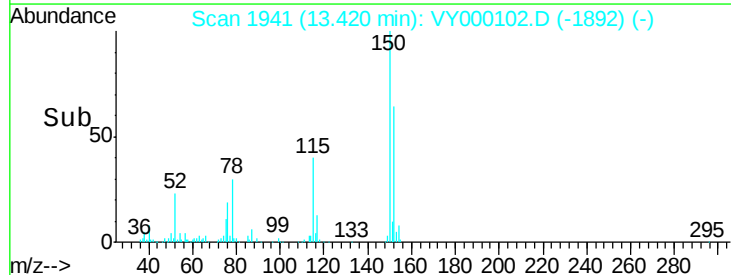
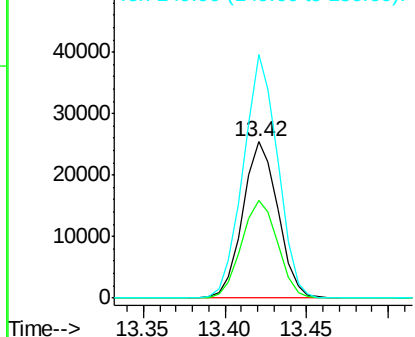


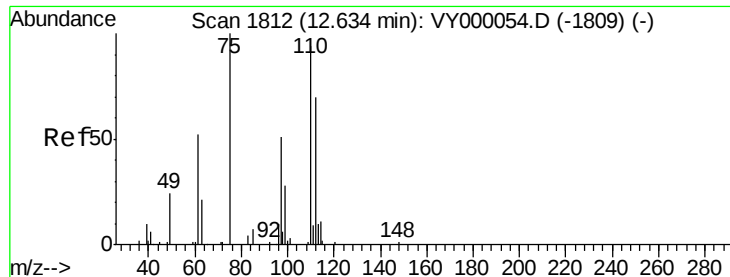
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000102.D
Acq: 20 Sep 2019 12:52

Tgt Ion:152 Resp: 38285
Ion Ratio Lower Upper
152 100
115 63.6 30.7 92.1
150 152.8 0.0 351.6



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: 51.269 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

Instrument :

MSVOA_Y

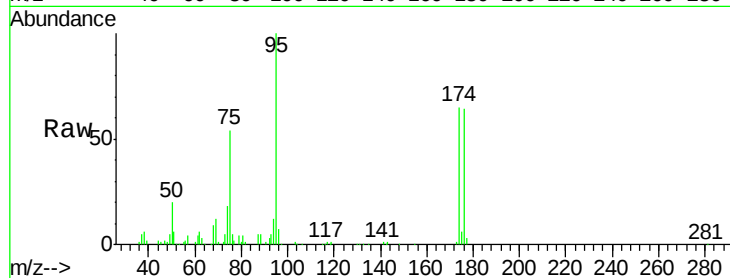
ClientSampleId :

Tot Ion: 75 Resp: 27617

Ion Ratio Lower Upper

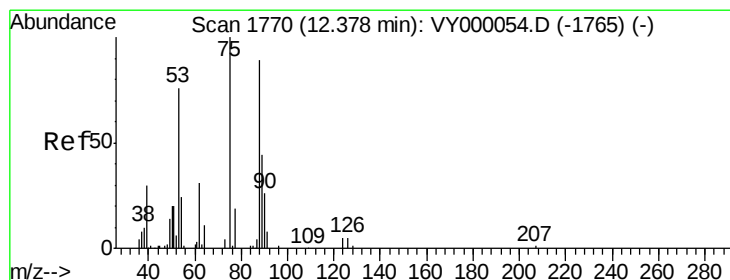
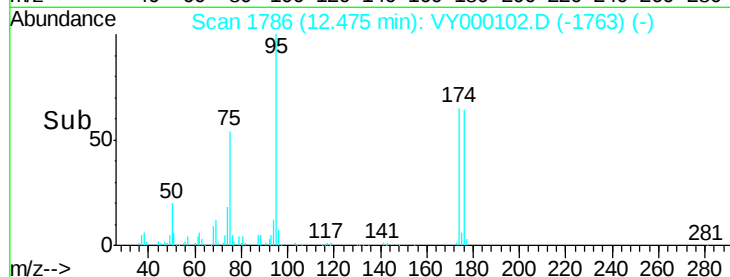
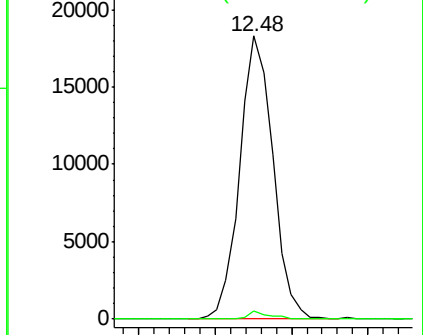
75 100

77 1.9 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: 98.603 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000102.D

Acq: 20 Sep 2019 12:52

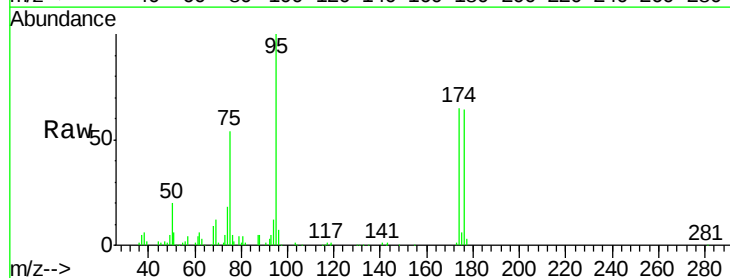
Tgt Ion: 75 Resp: 27617

Ion Ratio Lower Upper

75 100

53 0.1 60.9 91.3#

89 0.0 35.3 52.9#



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

