

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000092.D
 Acq On : 19 Sep 2019 20:58
 Operator : SY/MD
 Sample : K4863-03
 Misc : 4.27g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-5-2

Quant Time: Sep 20 01:58:57 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

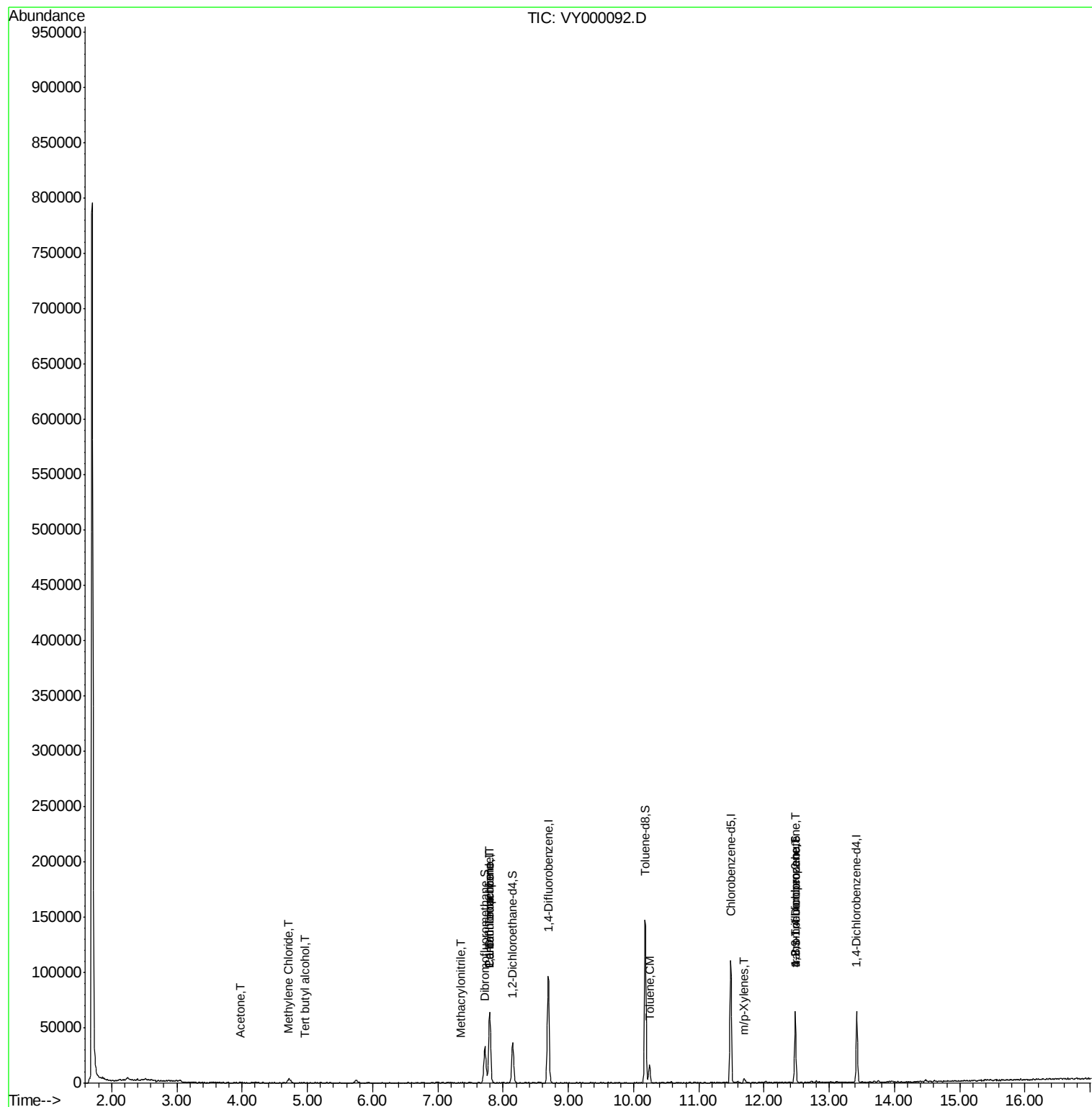
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	46074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	82365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	58030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	14980	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	23937	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	
35) Dibromofluoromethane	7.72	113	23084	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
50) Toluene-d8	10.18	98	95530	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.48	95	21547	29.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.26%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	381	Below Cal	#	41
5) Bromomethane	2.65	94	103	Below Cal	#	6
11) Tert butyl alcohol	4.96	59	82	1.305	ug/l #	1
13) Acrolein	3.90	56	21	Below Cal	#	13
16) Acetone	3.97	43	490	3.970	ug/l	92
17) Carbon Disulfide	4.18	76	271	Below Cal	#	77
20) Methylene Chloride	4.71	84	2636	4.540	ug/l #	81
31) Cyclohexane	7.79	56	1291	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	4473	7.263	ug/l #	46
38) Carbon Tetrachloride	7.79	117	4840	8.327	ug/l #	13
41) Methacrylonitrile	7.36	41	21	4.368	ug/l #	1
52) Toluene	10.24	92	6783	5.249	ug/l	95
68) m/p-Xylenes	11.68	106	1253	1.608	ug/l	93
76) 1,2,3-Trichloropropane	12.48	75	10765	51.075	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	10765	98.231	ug/l #	19

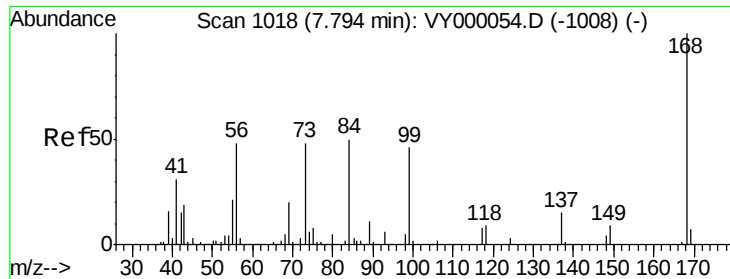
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampleId :

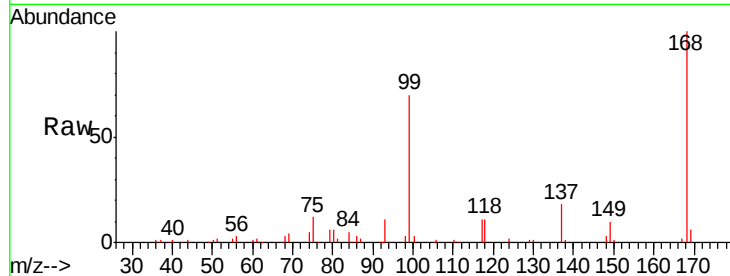
CSA-4-5-2

Tgt Ion:168 Resp: 46074

Ion Ratio Lower Upper

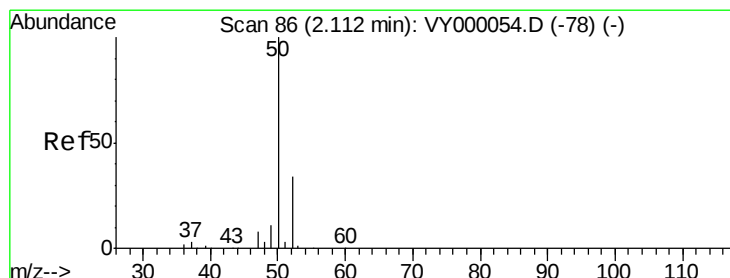
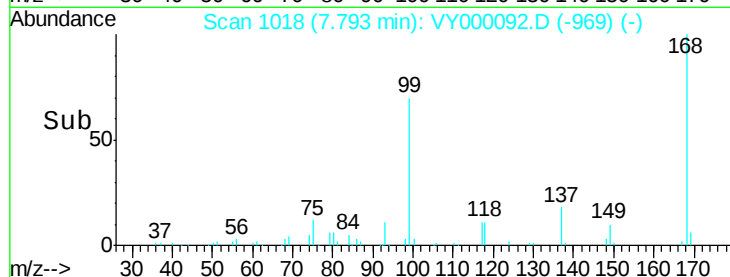
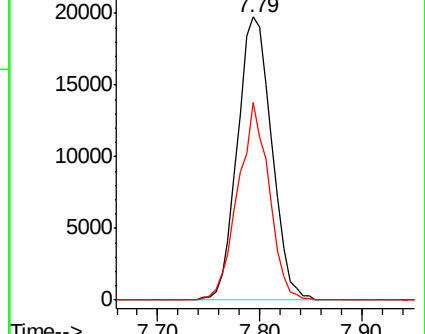
168 100

99 70.0 44.2 66.2#



Abundance Ion 167.90 (167.60 to 168.60): VY000092.D

Ion 98.90 (98.60 to 99.60): VY000092.D



#3

Chloromethane

Concen: Below Cal

RT: 2.12 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY000092.D

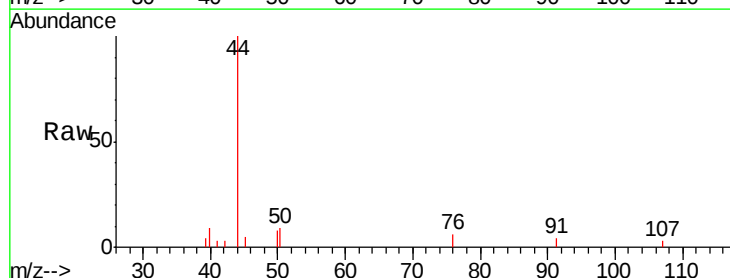
Acq: 19 Sep 2019 20:58

Tgt Ion: 50 Resp: 381

Ion Ratio Lower Upper

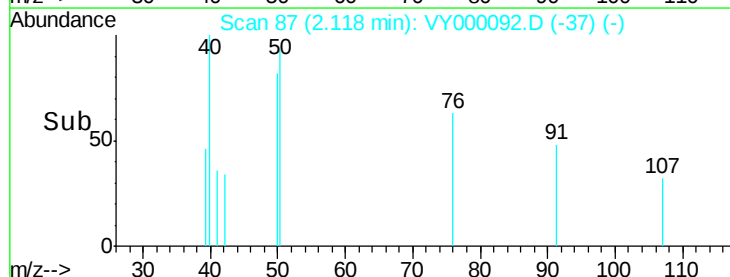
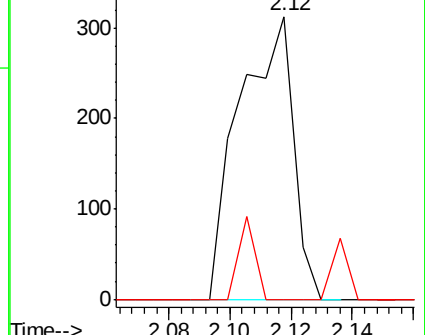
50 100

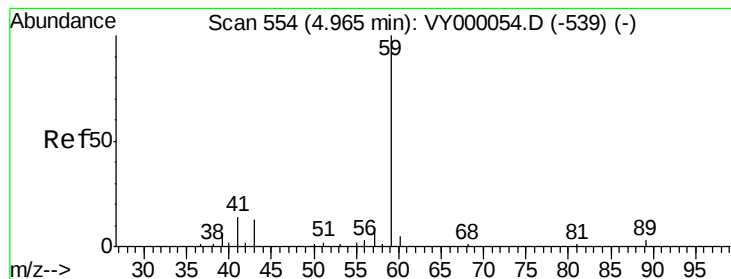
52 0.0 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY000092.D

Ion 51.90 (51.60 to 52.60): VY000092.D





#11

Tert butyl alcohol

Concen: 1.305 ug/l

RT: 4.96 min Scan# 554

Delta R.T. 0.00 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampled :

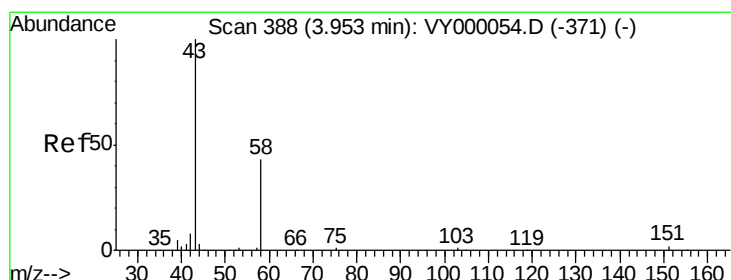
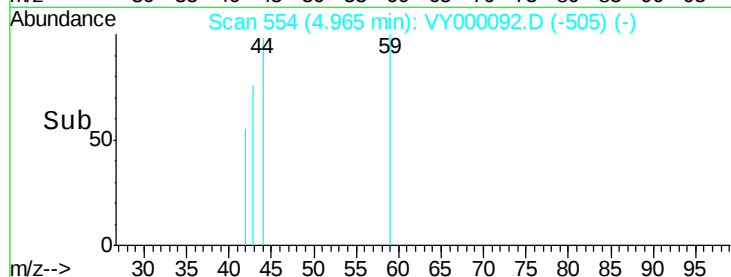
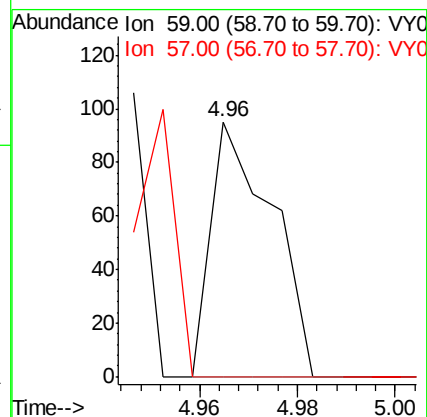
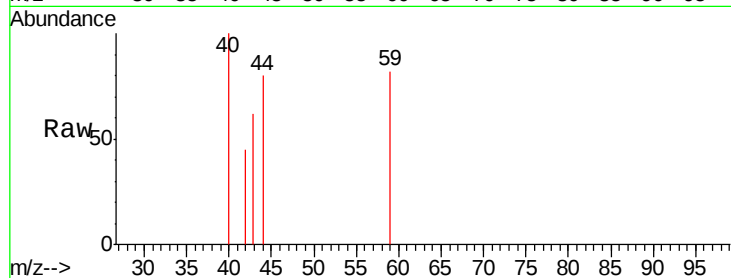
CSA-4-5-2

Tgt Ion: 59 Resp: 82

Ion Ratio Lower Upper

59 100

57 68.3 8.0 12.0#



#16

Acetone

Concen: 3.970 ug/l

RT: 3.97 min Scan# 391

Delta R.T. 0.02 min

Lab File: VY000092.D

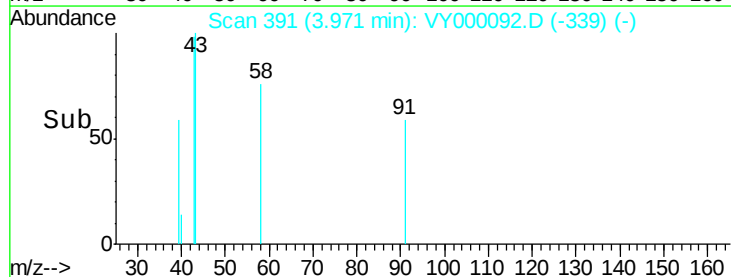
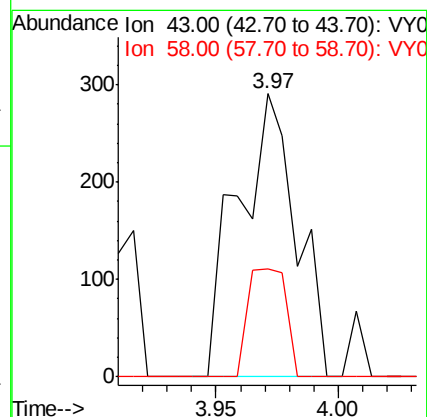
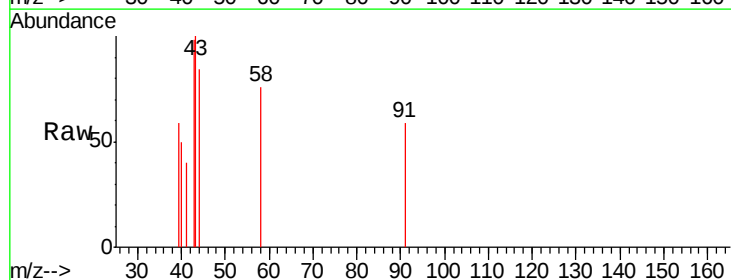
Acq: 19 Sep 2019 20:58

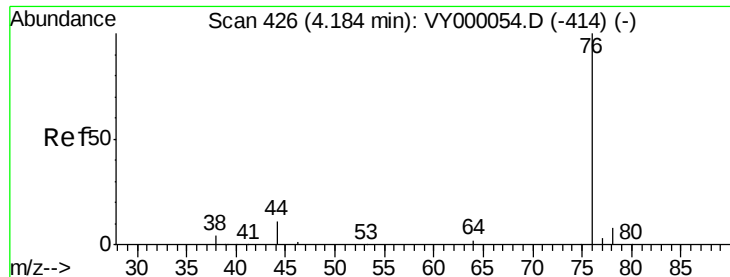
Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

43 100

58 38.1 34.5 51.7

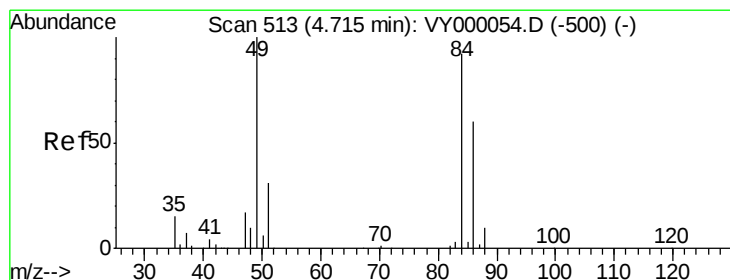
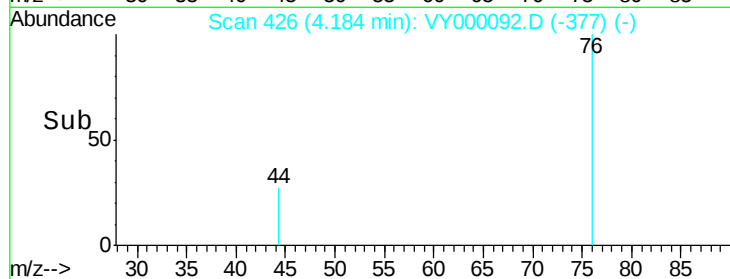
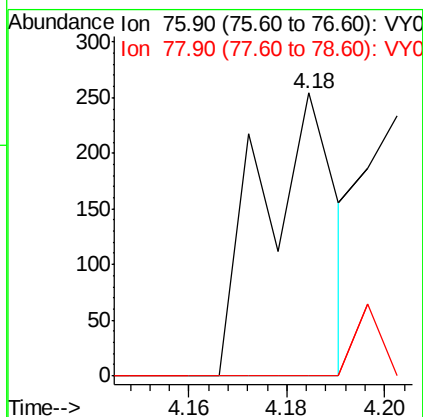
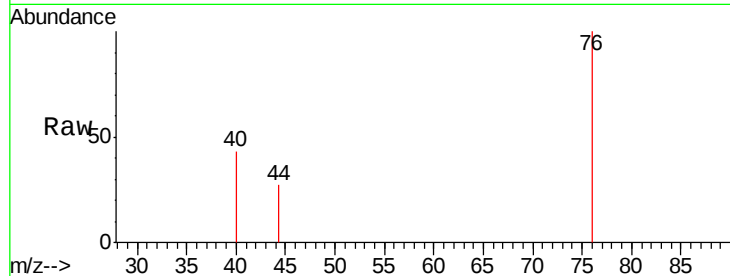




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.18 min Scan# 426
Delta R.T. 0.00 min
Lab File: VY000092.D
Acq: 19 Sep 2019 20:58

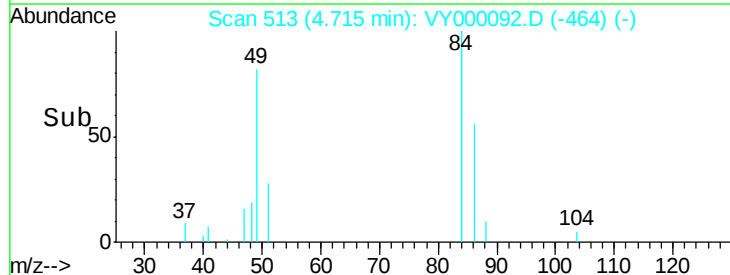
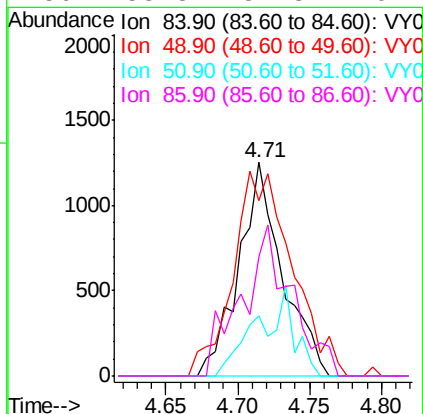
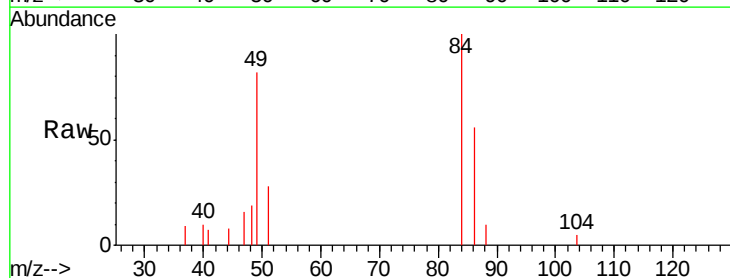
Instrument :
MSVOA_Y
ClientSampled :
CSA-4-5-2

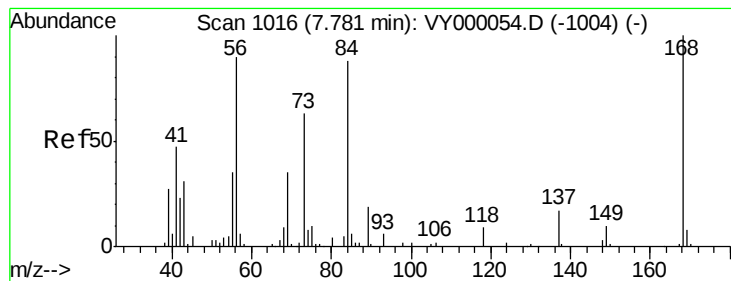
Tgt Ion: 76 Resp: 271
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#20
Methylene Chloride
Concen: 4.540 ug/l
RT: 4.71 min Scan# 513
Delta R.T. -0.00 min
Lab File: VY000092.D
Acq: 19 Sep 2019 20:58

Tgt Ion: 84 Resp: 2636
Ion Ratio Lower Upper
84 100
49 82.1 87.4 131.0#
51 28.3 27.2 40.8
86 55.8 52.8 79.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-5-2

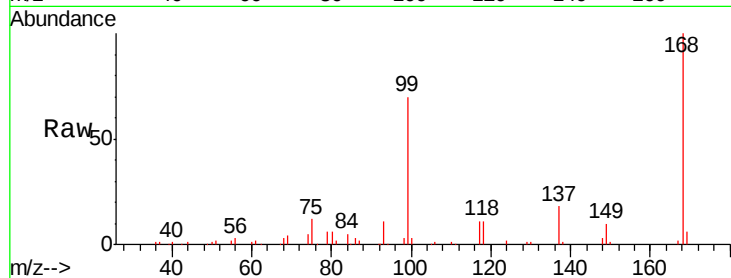
Tgt Ion: 56 Resp: 1291

Ion Ratio Lower Upper

56 100

69 141.6 30.9 46.3#

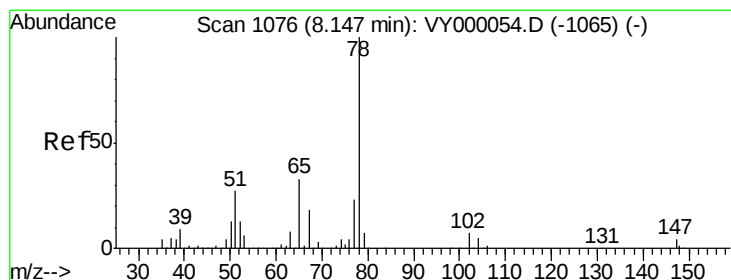
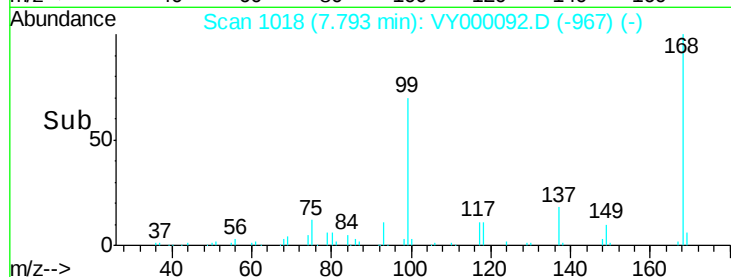
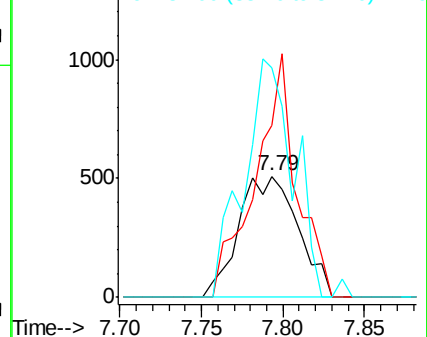
84 205.5 78.5 117.7#



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: 45.157 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000092.D

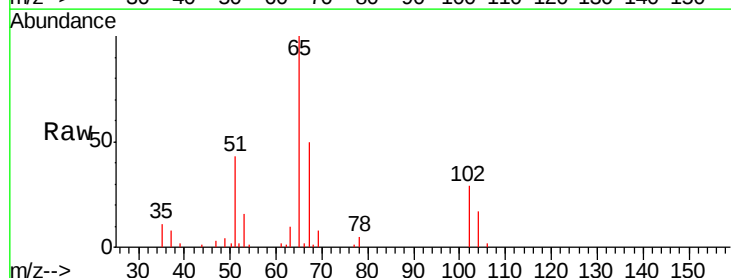
Acq: 19 Sep 2019 20:58

Tgt Ion: 65 Resp: 23937

Ion Ratio Lower Upper

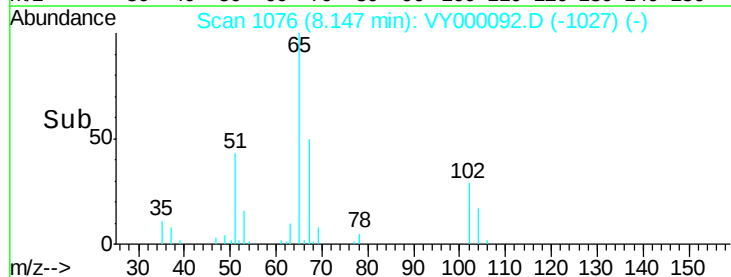
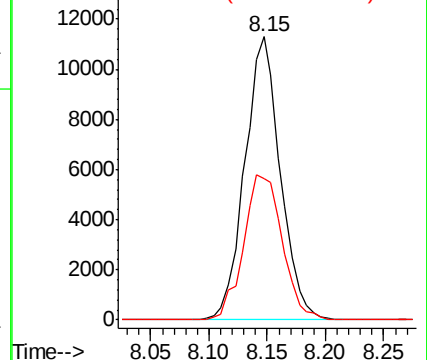
65 100

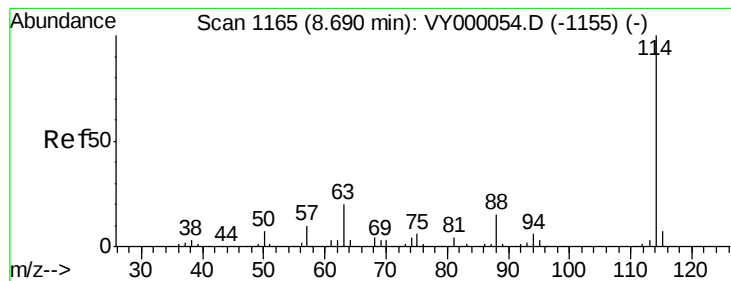
67 55.6 0.0 111.0



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: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-5-2

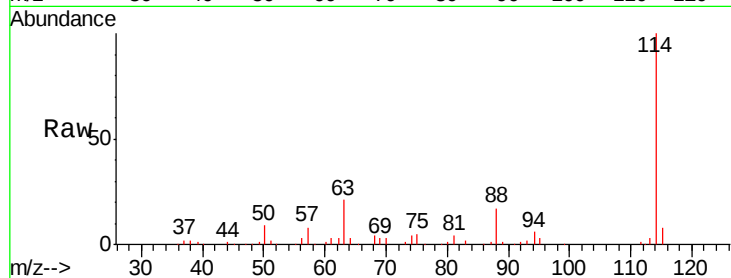
Tgt Ion:114 Resp: 82365

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.4

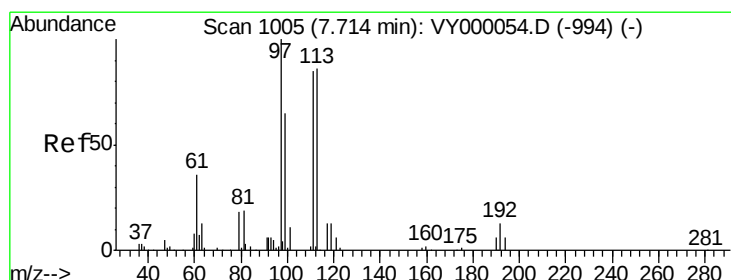
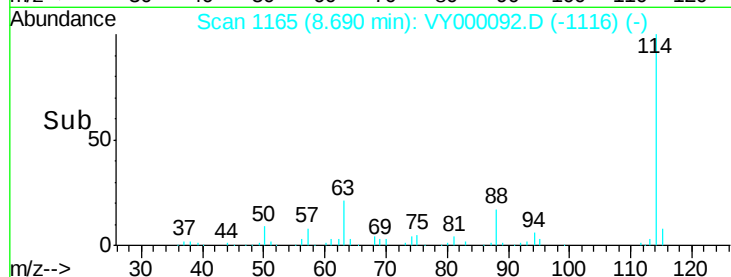
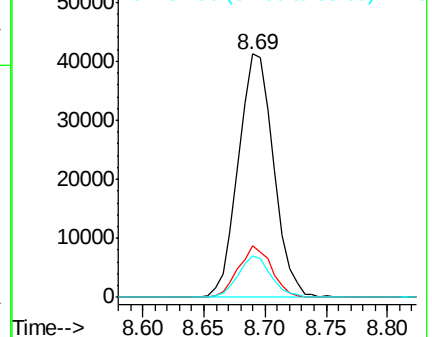
88 17.0 0.0 30.2



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: 46.288 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

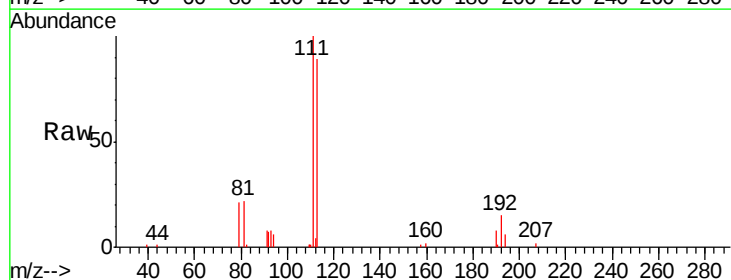
Tgt Ion:113 Resp: 23084

Ion Ratio Lower Upper

113 100

111 108.1 81.7 122.5

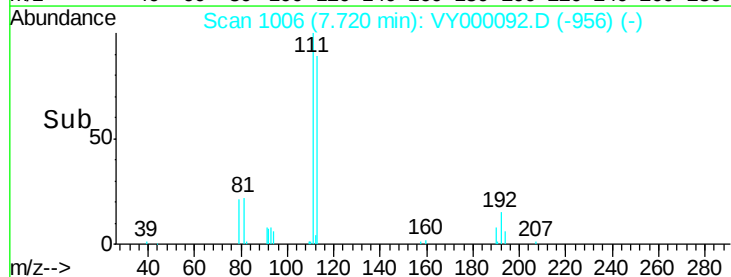
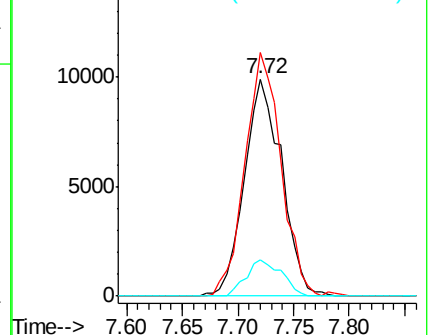
192 16.0 13.4 20.2

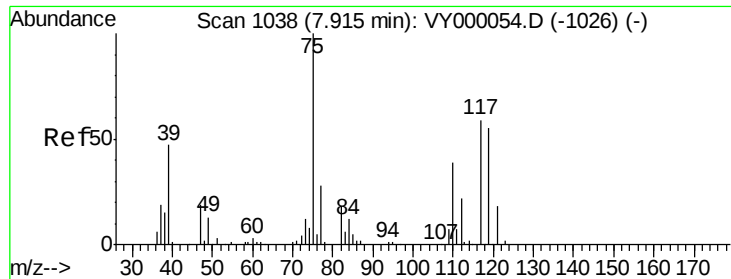


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

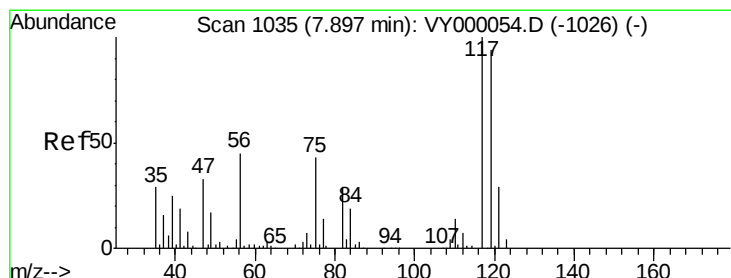
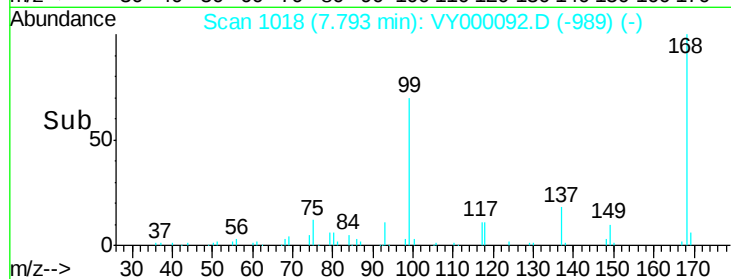
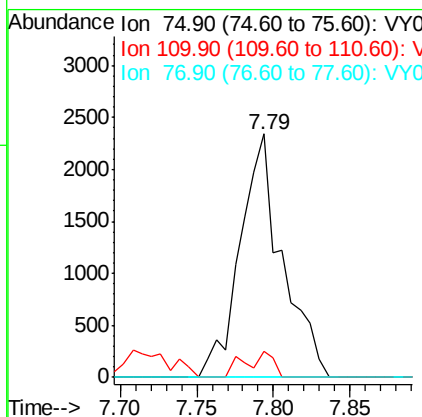
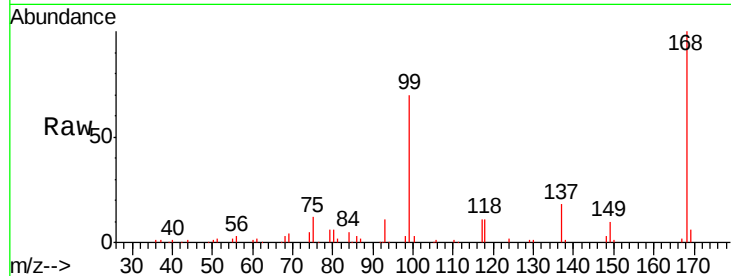




#36
 1,1-Dichloropropene
 Concen: 7.263 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000092.D
 Acq: 19 Sep 2019 20:58

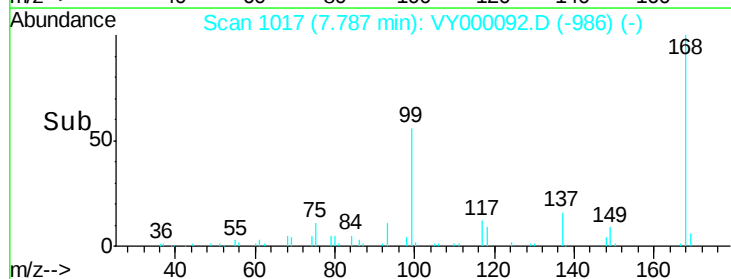
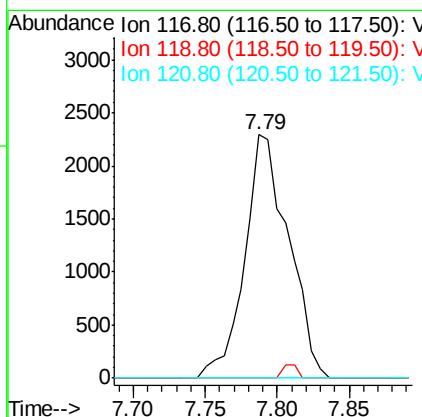
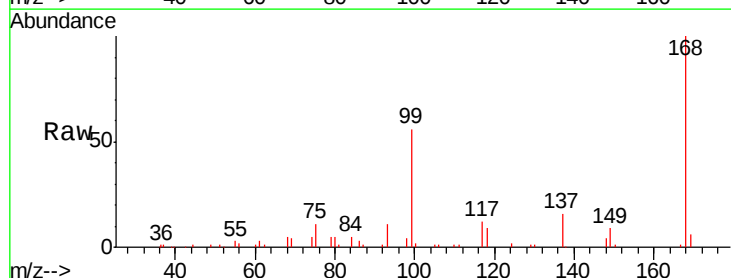
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-5-2

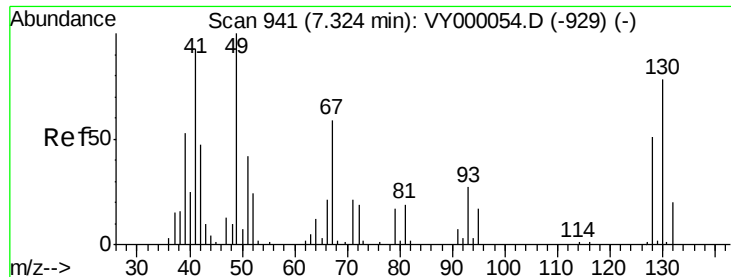
Tgt Ion: 75 Resp: 4473
 Ion Ratio Lower Upper
 75 100
 110 7.1 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 8.327 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.11 min
 Lab File: VY000092.D
 Acq: 19 Sep 2019 20:58

Tgt Ion: 117 Resp: 4840
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.0 112.6#
 121 0.0 22.8 34.2#





#41

Methacrylonitrile

Concen: 4.368 ug/l

RT: 7.36 min Scan# 947

Delta R.T. 0.04 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-5-2

Tgt Ion: 41 Resp: 21

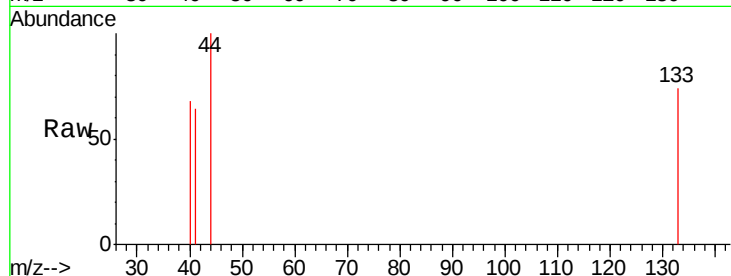
Ion Ratio Lower Upper

41 100

39 0.0 91.8 137.6#

67 104.8 0.0 0.0#

52 0.0 0.0 0.0

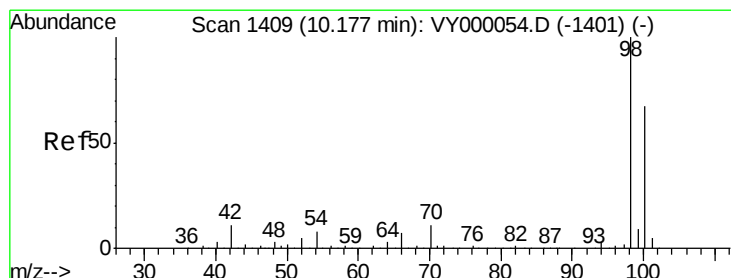
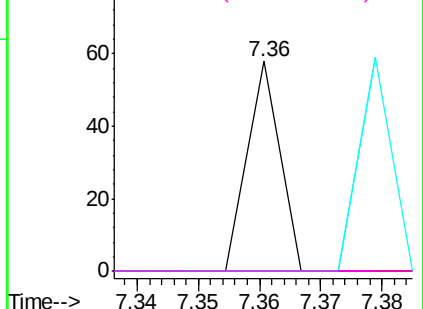
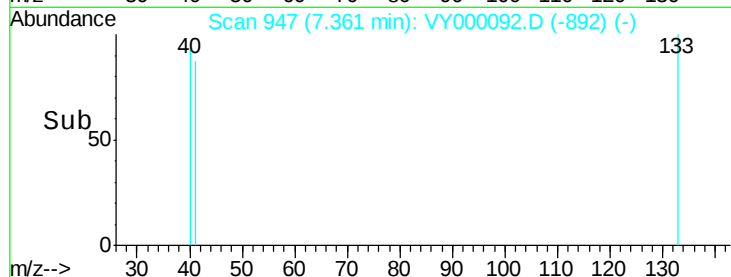


Abundance Ion 41.00 (40.70 to 41.70): VY0

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



#50

Toluene-d8

Concen: 48.771 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000092.D

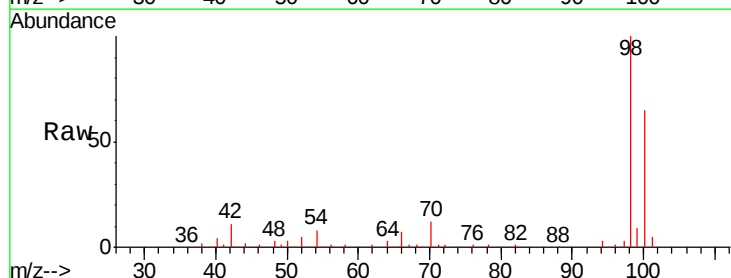
Acq: 19 Sep 2019 20:58

Tgt Ion: 98 Resp: 95530

Ion Ratio Lower Upper

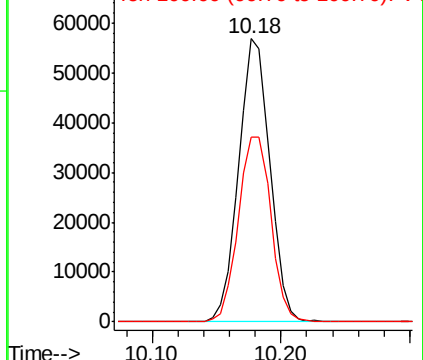
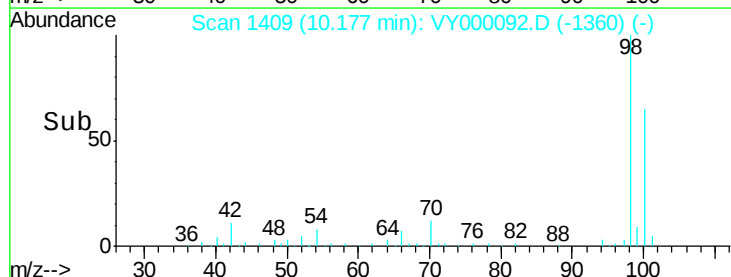
98 100

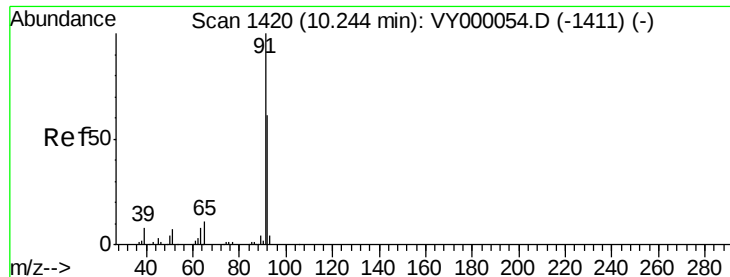
100 67.9 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#52

Toluene

Concen: 5.249 ug/l

RT: 10.24 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampleId :

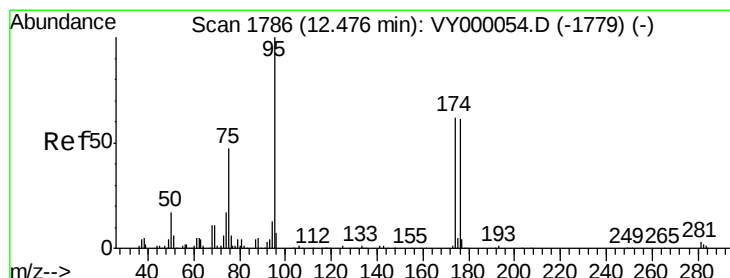
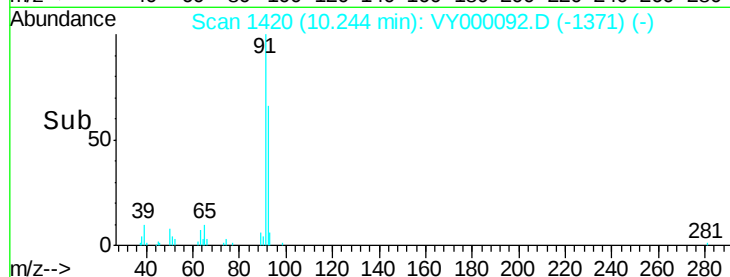
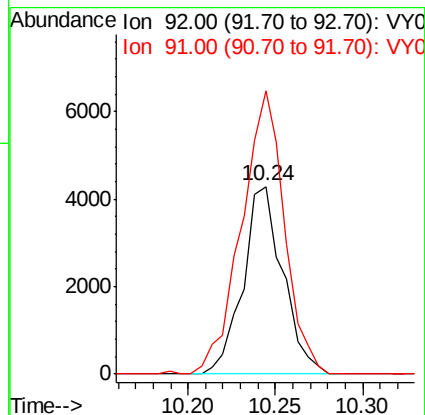
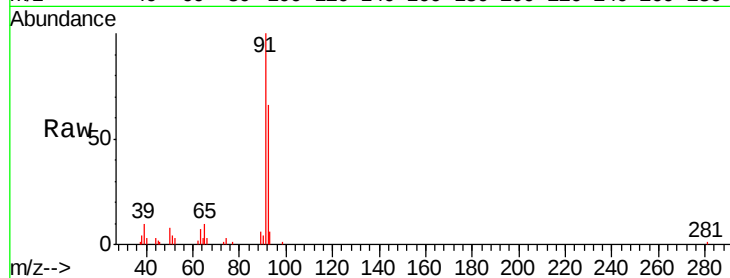
CSA-4-5-2

Tgt Ion: 92 Resp: 6783

Ion Ratio Lower Upper

92 100

91 163.1 135.8 203.6



#62

4-Bromofluorobenzene

Concen: 29.629 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

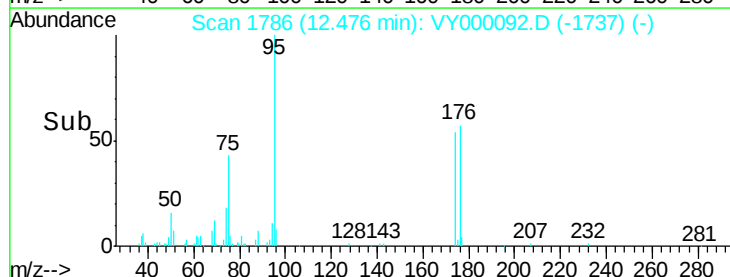
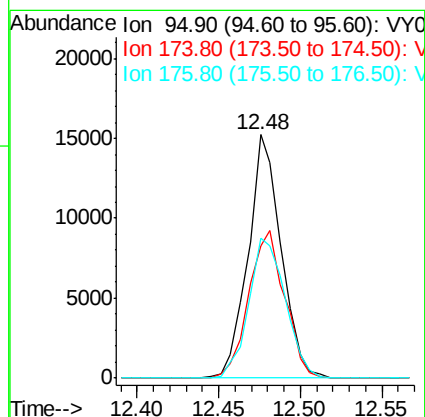
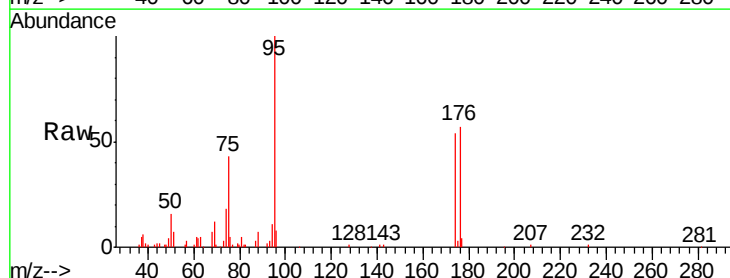
Tgt Ion: 95 Resp: 21547

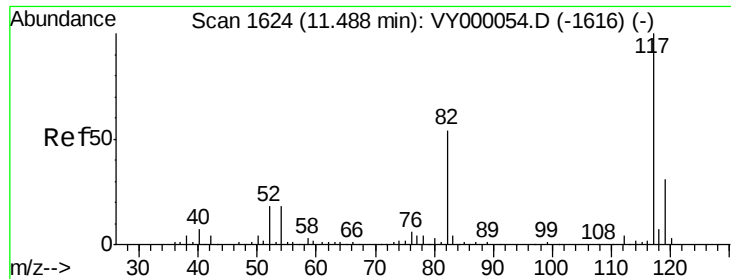
Ion Ratio Lower Upper

95 100

174 65.5 0.0 137.2

176 63.7 0.0 135.0

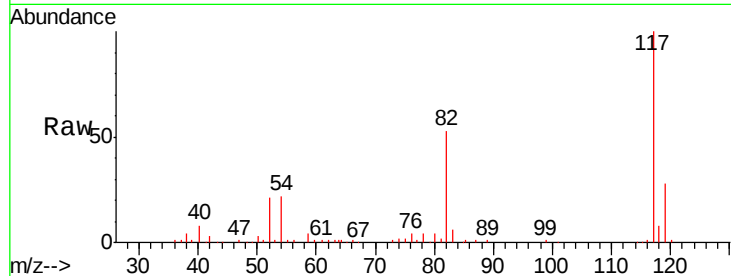




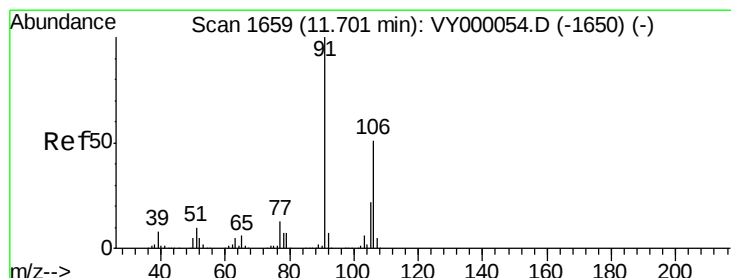
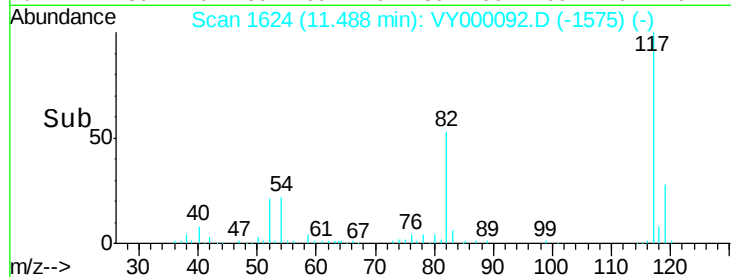
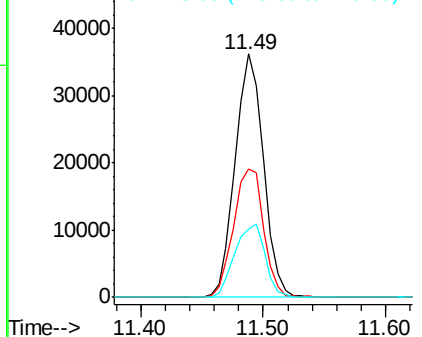
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000092.D
Acq: 19 Sep 2019 20:58

Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-5-2

Tgt Ion:117 Resp: 58030
Ion Ratio Lower Upper
117 100
82 53.0 43.5 65.3
119 27.8 24.6 36.8

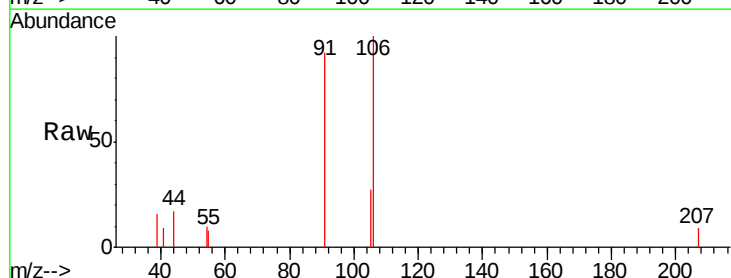


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

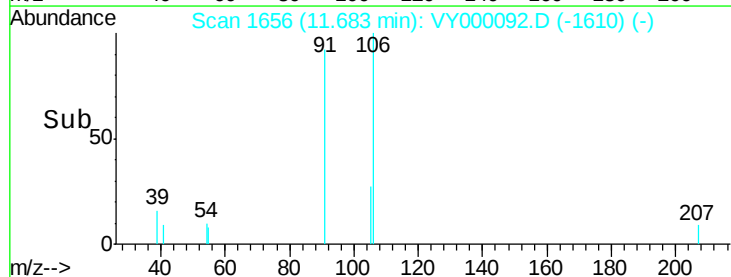
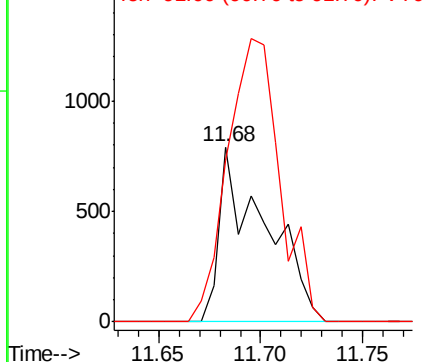


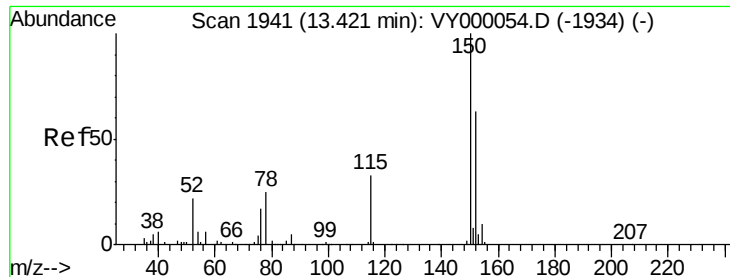
#68
m/p-Xylenes
Concen: 1.608 ug/l
RT: 11.68 min Scan# 1656
Delta R.T. -0.02 min
Lab File: VY000092.D
Acq: 19 Sep 2019 20:58

Tgt Ion:106 Resp: 1253
Ion Ratio Lower Upper
106 100
91 183.3 154.5 231.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampled :

CSA-4-5-2

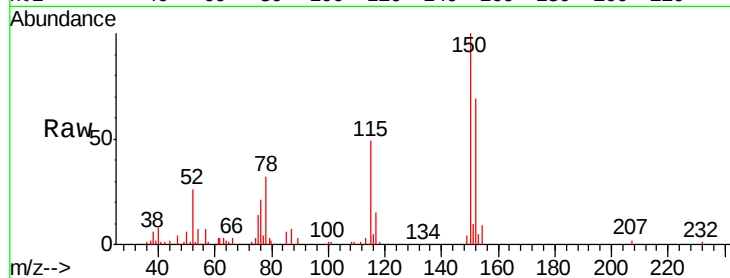
Tgt Ion: 152 Resp: 14980

Ion Ratio Lower Upper

152 100

115 66.2 30.7 92.1

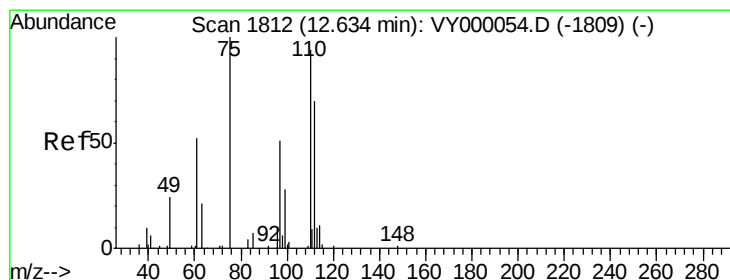
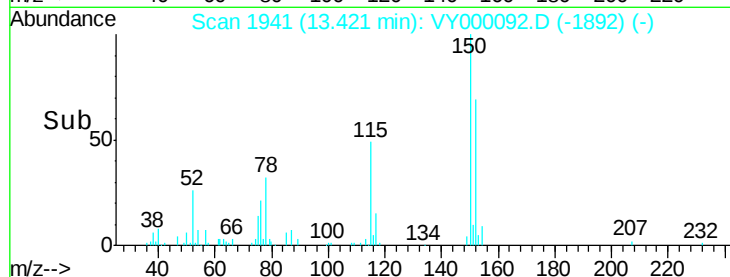
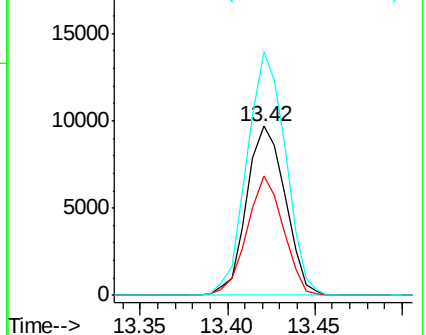
150 143.0 0.0 351.6



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: 51.075 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. -0.15 min

Lab File: VY000092.D

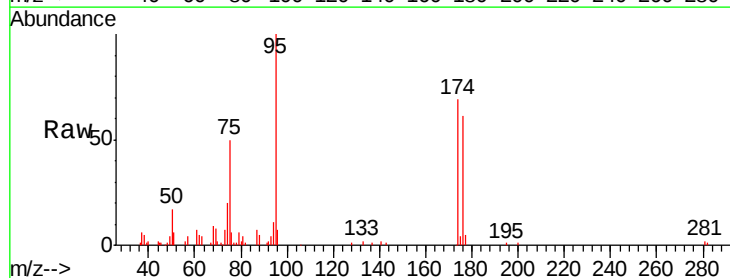
Acq: 19 Sep 2019 20:58

Tgt Ion: 75 Resp: 10765

Ion Ratio Lower Upper

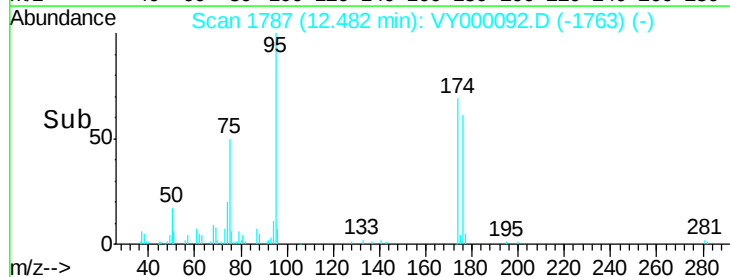
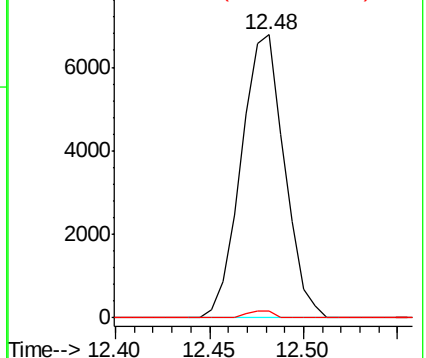
75 100

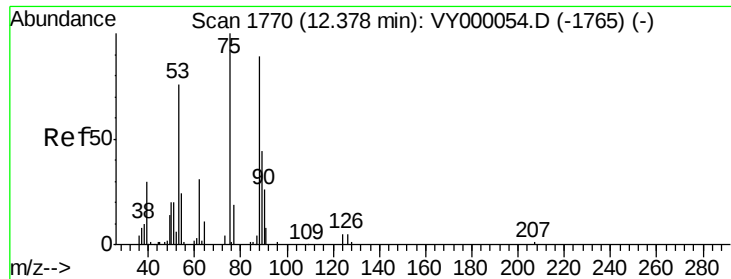
77 1.5 0.0 0.0#



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: 98.231 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.10 min

Lab File: VY000092.D

Acq: 19 Sep 2019 20:58

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-5-2

Tgt Ion: 75 Resp: 10765

Ion Ratio Lower Upper

75 100

53 0.2 60.9 91.3#

89 0.0 35.3 52.9#

