

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY091919\
 Data File : VY000089.D
 Acq On : 19 Sep 2019 19:48
 Operator : SY/MD
 Sample : K4862-08
 Misc : 5.04g/5.00ml/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-4-1

Quant Time: Sep 20 01:58:19 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	91488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	187885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	139966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	40901	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	57837	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	7.72	113	55054	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.18	98	212081	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	12.48	95	57419	34.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.22%	

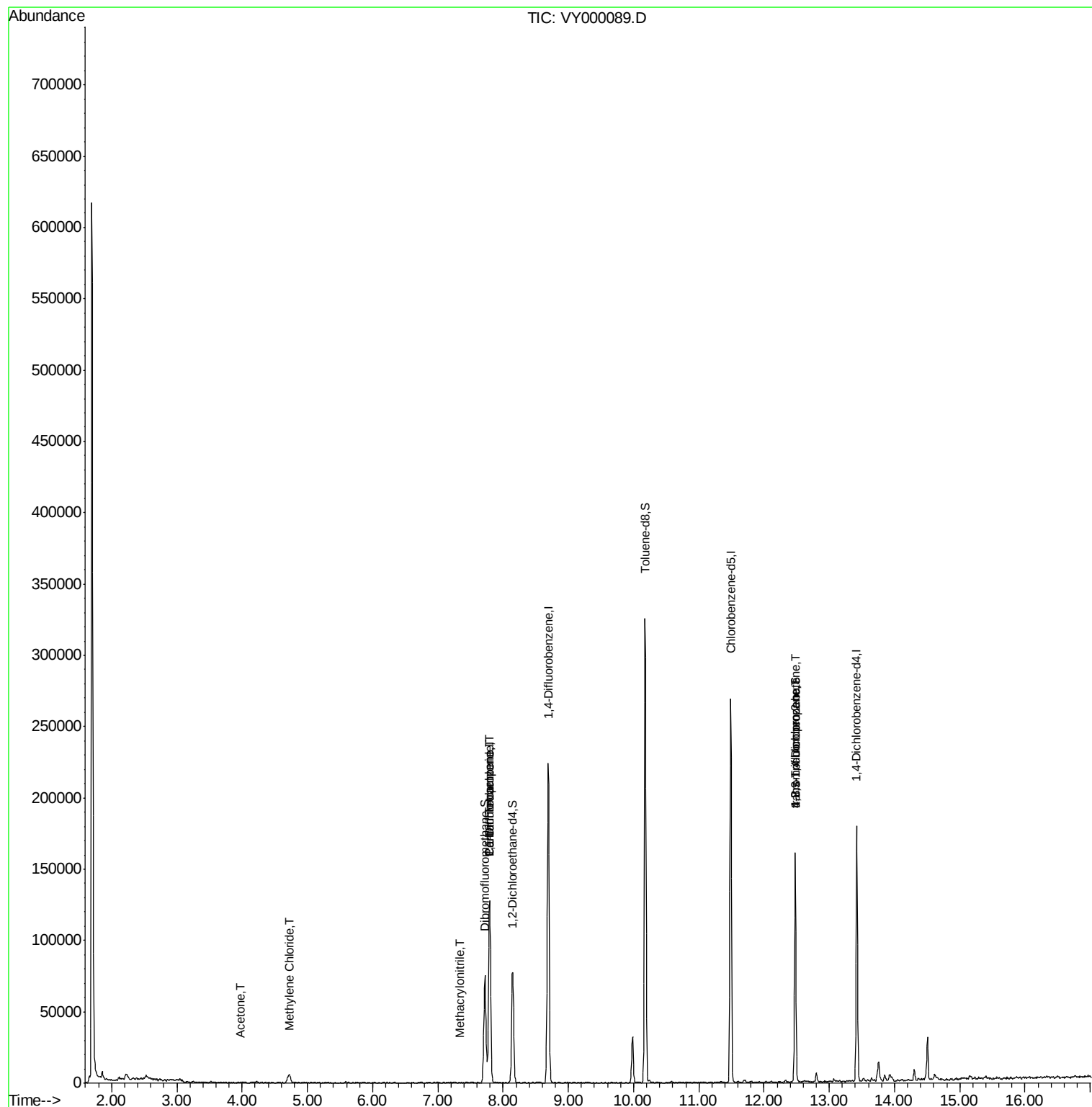
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	61	Below Cal	#	42
3) Chloromethane	2.11	50	655	Below Cal	#	74
5) Bromomethane	2.73	94	25	Below Cal	#	6
13) Acrolein	3.76	56	37	Below Cal	#	13
16) Acetone	3.96	43	677	2.762	ug/l #	67
17) Carbon Disulfide	4.19	76	753	Below Cal	#	77
20) Methylene Chloride	4.73	84	4774	4.141	ug/l #	70
31) Cyclohexane	7.79	56	2313	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	8171	5.816	ug/l #	47
38) Carbon Tetrachloride	7.79	117	9591	7.233	ug/l #	20
41) Methacrylonitrile	7.34	41	63	4.387	ug/l #	70
76) 1,2,3-Trichloropropane	12.48	75	28194	48.993	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	28194	94.225	ug/l #	19

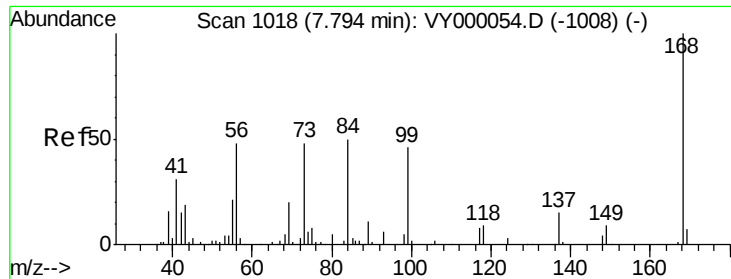
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000089.D

Acq: 19 Sep 2019 19:48

Instrument :

MSVOA_Y

ClientSampleId :

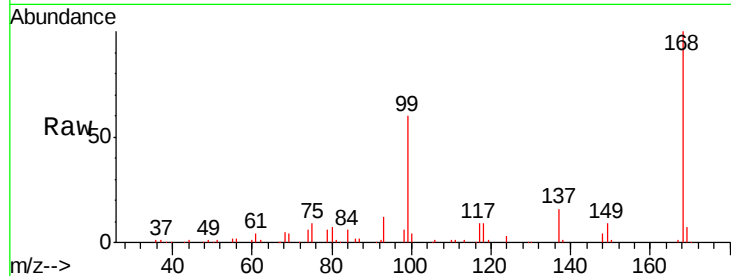
CSA-4-4-1

Tgt Ion:168 Resp: 91488

Ion Ratio Lower Upper

168 100

99 59.7 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

40000

30000

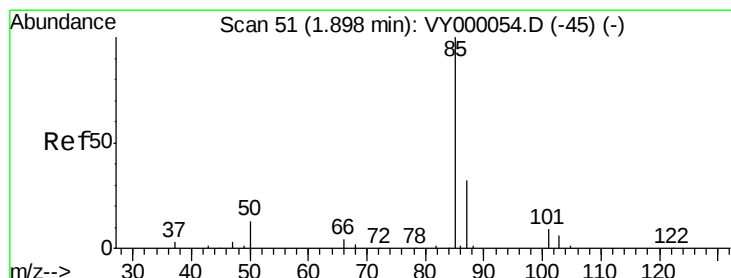
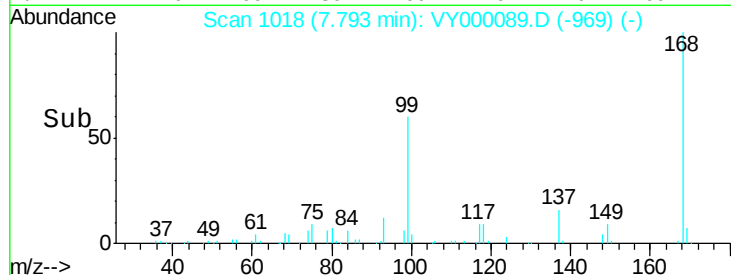
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 52

Delta R.T. 0.01 min

Lab File: VY000089.D

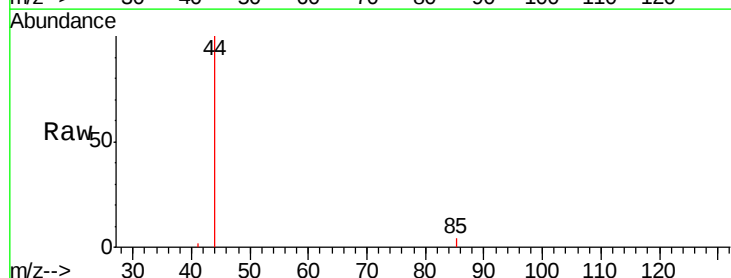
Acq: 19 Sep 2019 19:48

Tgt Ion: 85 Resp: 61

Ion Ratio Lower Upper

85 100

87 0.0 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

120

100

80

60

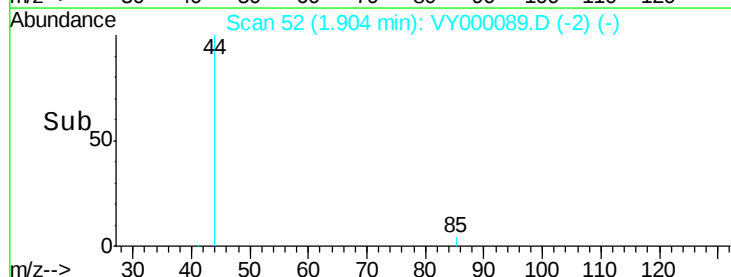
40

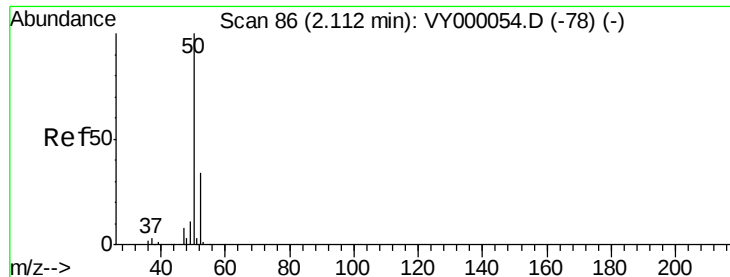
20

0

1.88 1.90 1.92

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000089.D

Acq: 19 Sep 2019 19:48

Instrument :

MSVOA_Y

ClientSampleId :

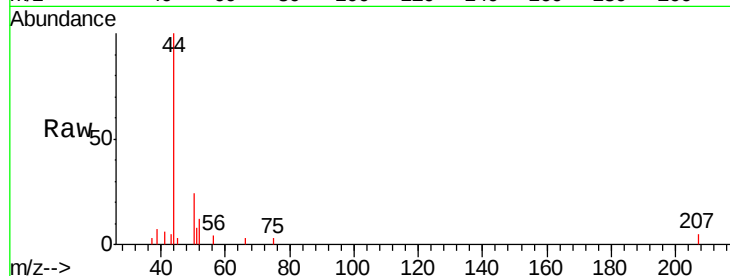
CSA-4-4-1

Tgt Ion: 50 Resp: 655

Ion Ratio Lower Upper

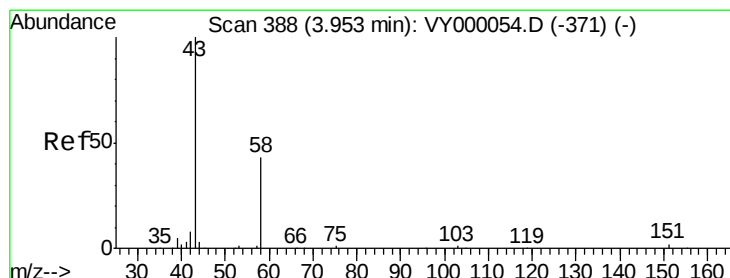
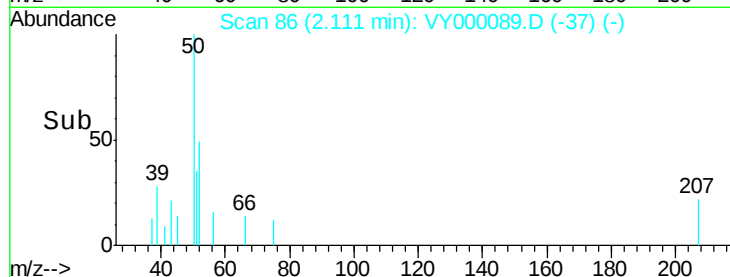
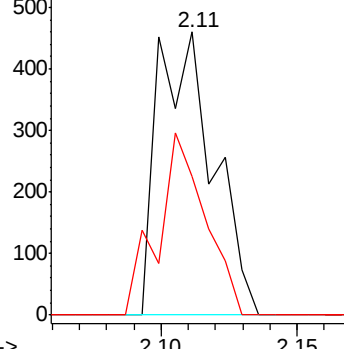
50 100

52 48.9 27.3 40.9#



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#16

Acetone

Concen: 2.762 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000089.D

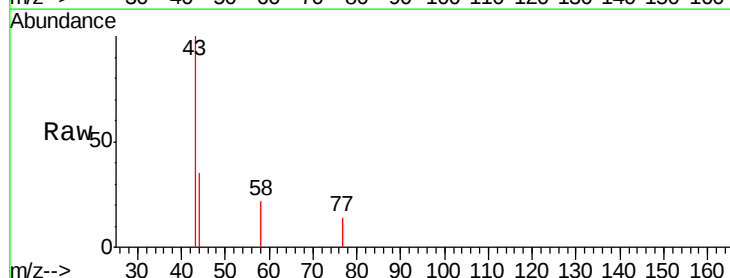
Acq: 19 Sep 2019 19:48

Tgt Ion: 43 Resp: 677

Ion Ratio Lower Upper

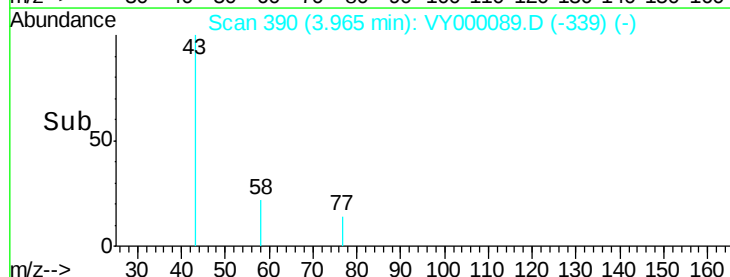
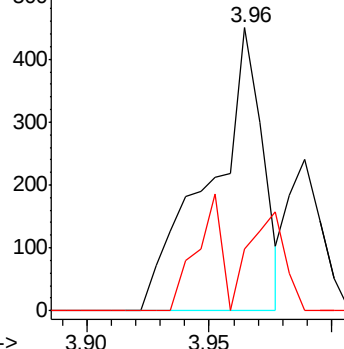
43 100

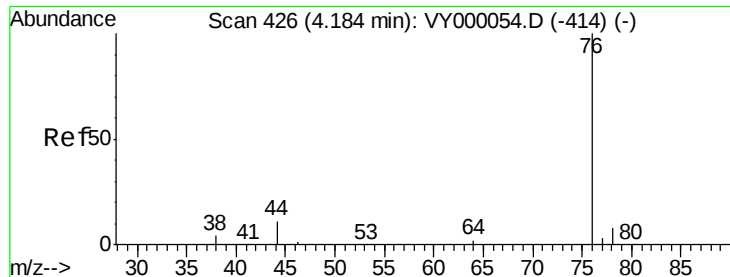
58 21.8 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000089.D

Acq: 19 Sep 2019 19:48

Instrument :

MSVOA_Y

ClientSampled :

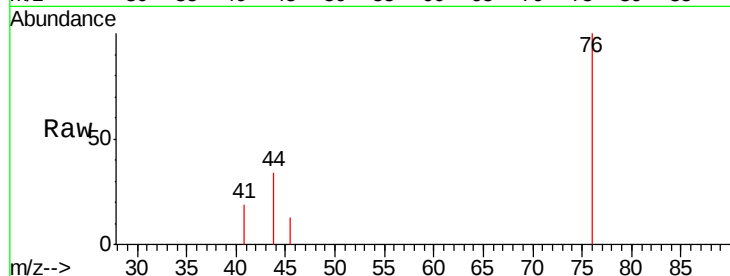
CSA-4-4-1

Tgt Ion: 76 Resp: 753

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

4.19

500

400

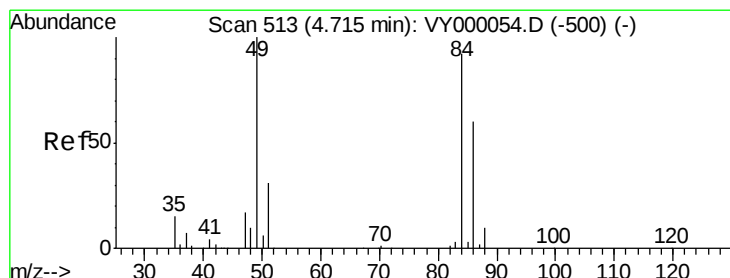
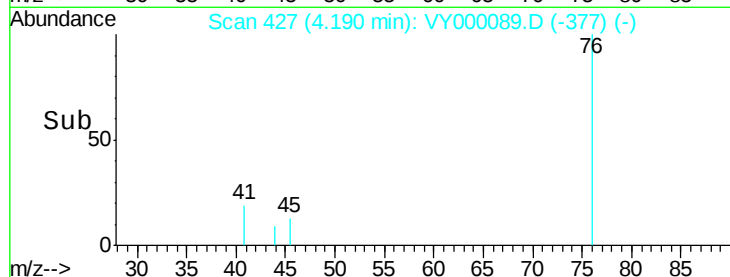
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 4.141 ug/l

RT: 4.73 min Scan# 515

Delta R.T. 0.01 min

Lab File: VY000089.D

Acq: 19 Sep 2019 19:48

Tgt Ion: 84 Resp: 4774

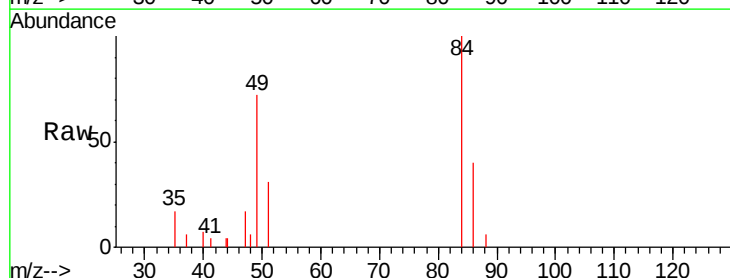
Ion Ratio Lower Upper

84 100

49 71.7 87.4 131.0#

51 30.5 27.2 40.8

86 40.1 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

3000

2500

2000

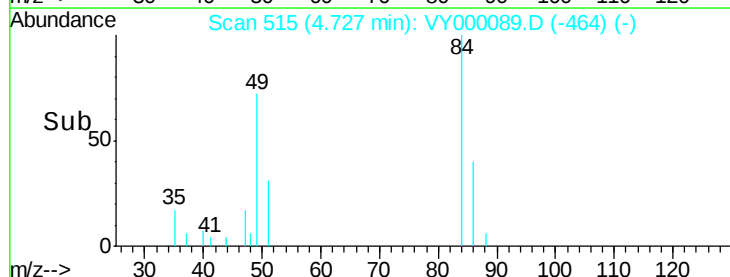
1500

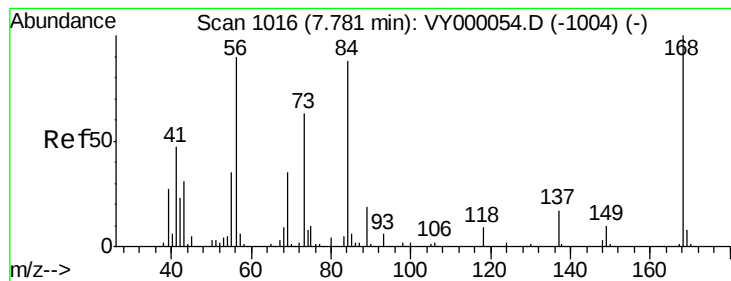
1000

500

0

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000089.D

Acq: 19 Sep 2019 19:48

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-4-1

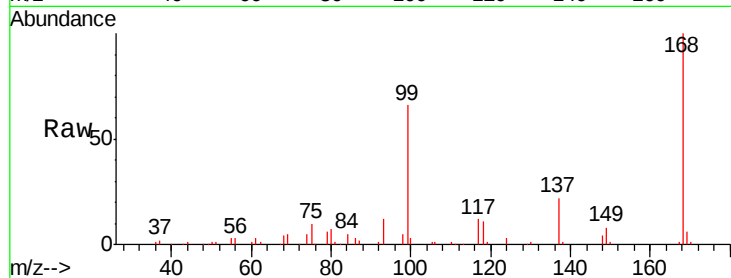
Tgt Ion: 56 Resp: 2313

Ion Ratio Lower Upper

56 100

69 160.3 30.9 46.3#

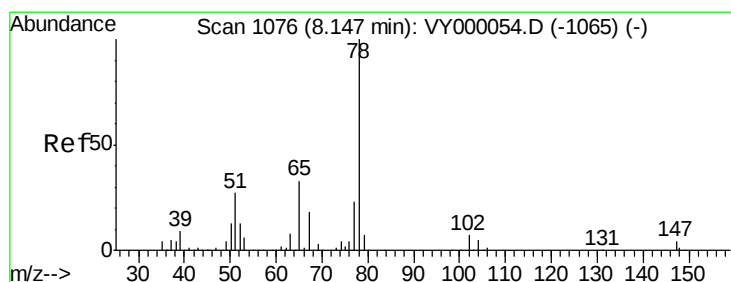
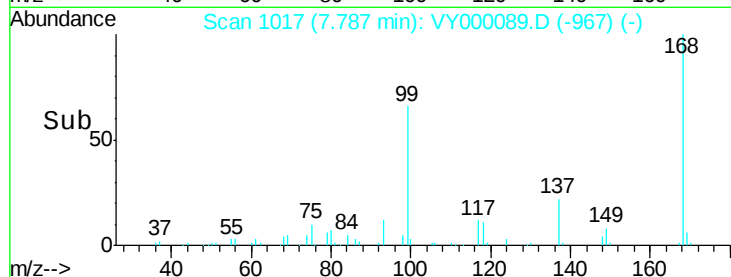
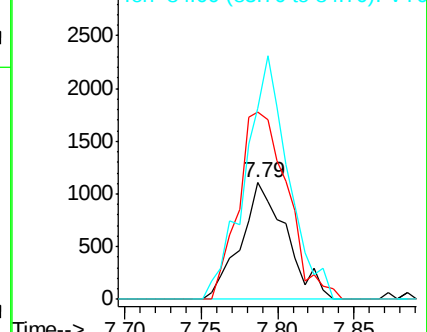
84 163.5 78.5 117.7#



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: 54.948 ug/l

RT: 8.14 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY000089.D

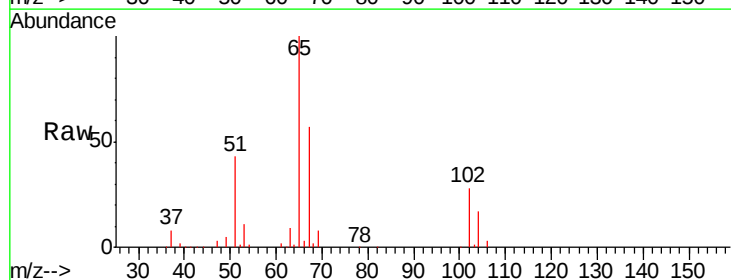
Acq: 19 Sep 2019 19:48

Tgt Ion: 65 Resp: 57837

Ion Ratio Lower Upper

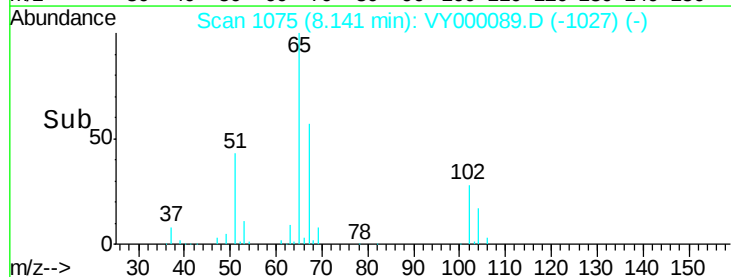
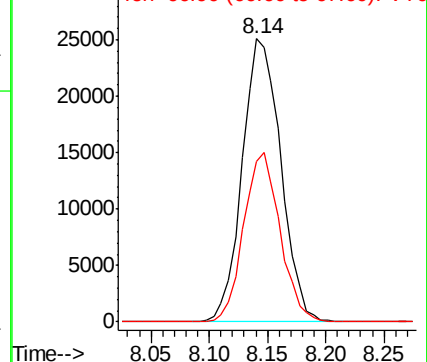
65 100

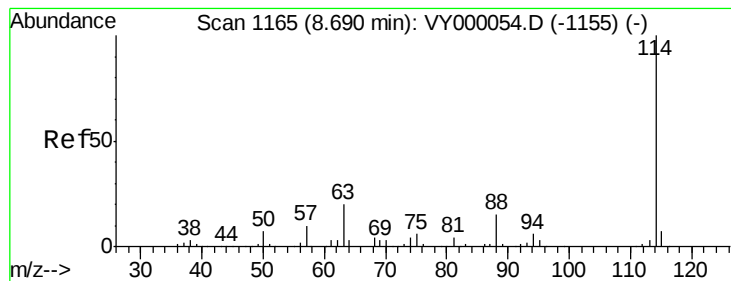
67 56.3 0.0 111.0



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: VY000089.D

Acq: 19 Sep 2019 19:48

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-4-1

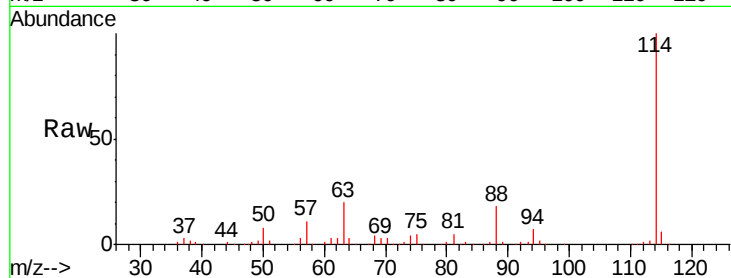
Tgt Ion:114 Resp: 187885

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.4

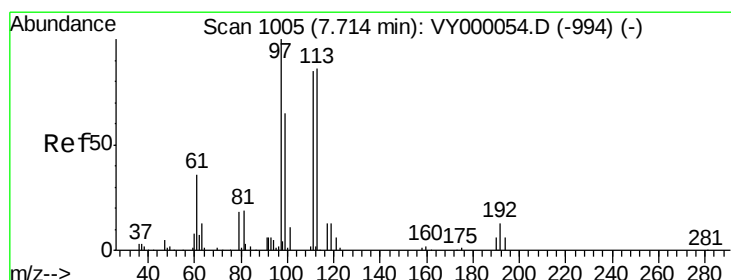
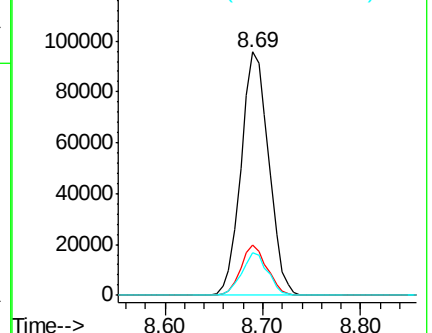
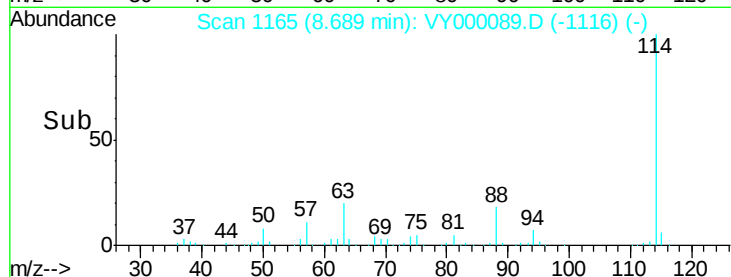
88 17.7 0.0 30.2



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: 48.395 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000089.D

Acq: 19 Sep 2019 19:48

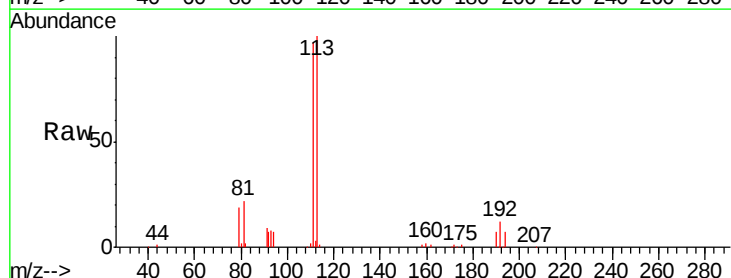
Tgt Ion:113 Resp: 55054

Ion Ratio Lower Upper

113 100

111 100.3 81.7 122.5

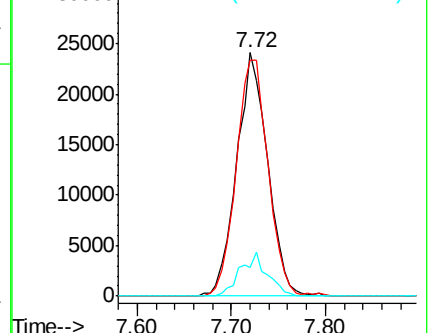
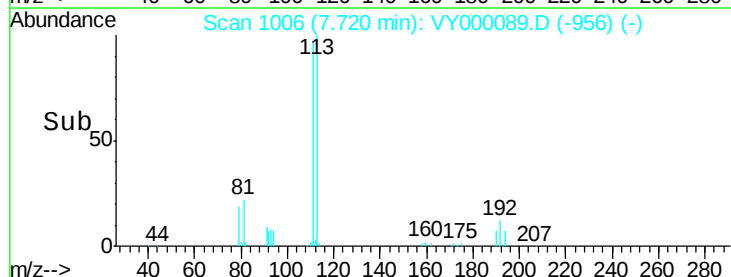
192 15.5 13.4 20.2

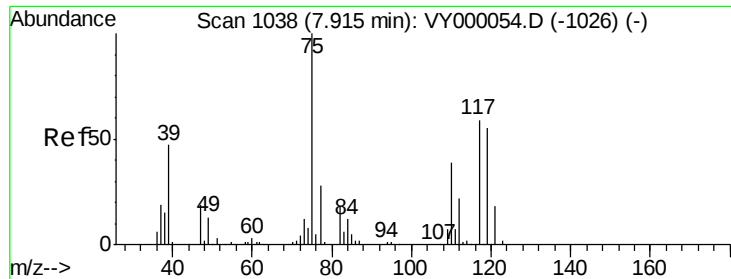


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

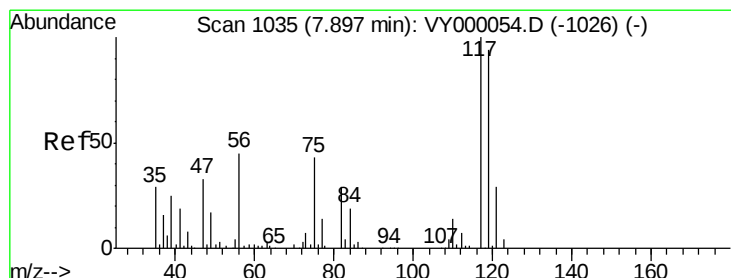
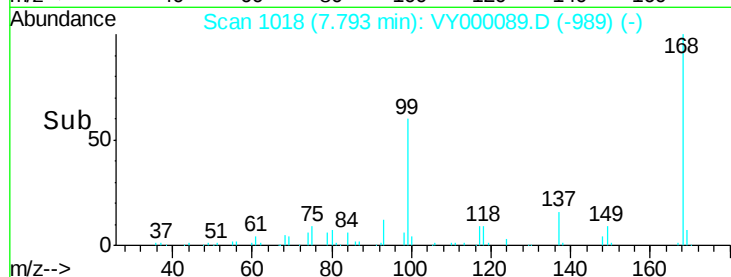
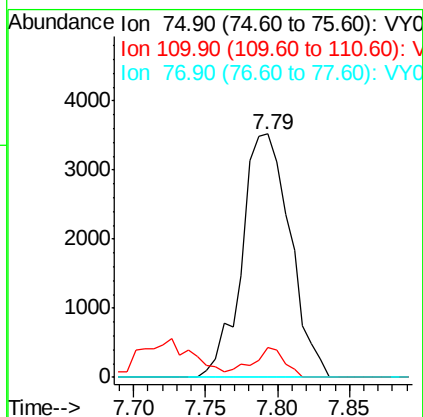
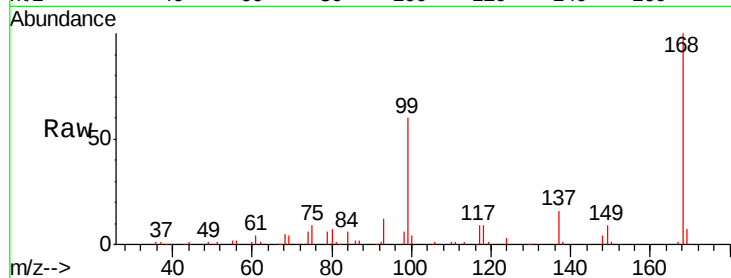




#36
 1,1-Dichloropropene
 Concen: 5.816 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000089.D
 Acq: 19 Sep 2019 19:48

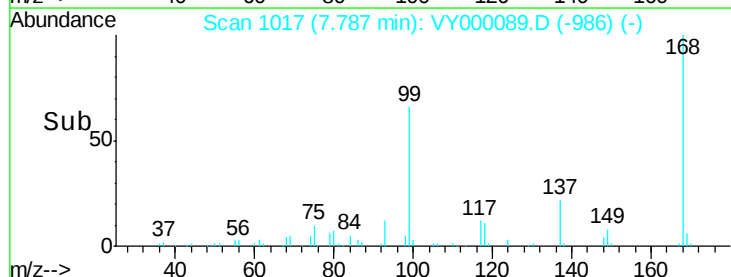
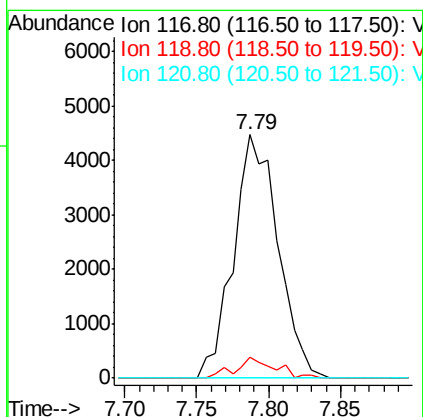
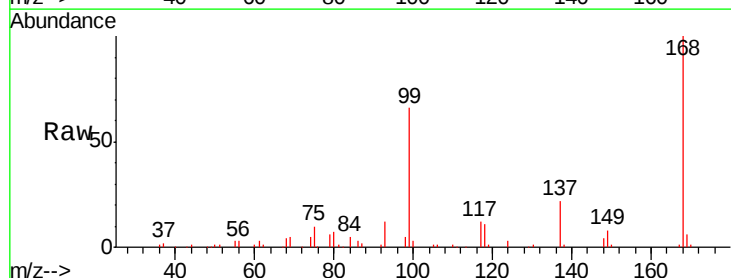
Instrument :
 MSVOA_Y
 ClientSampleId :
 CSA-4-4-1

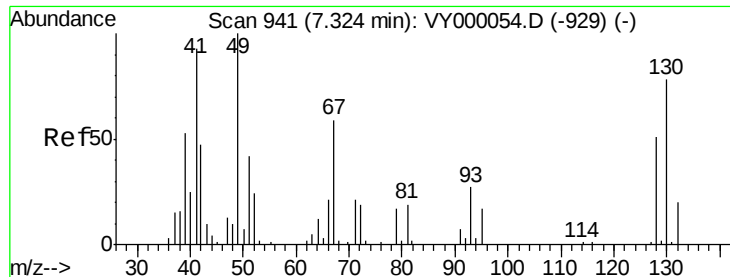
Tgt Ion: 75 Resp: 8171
 Ion Ratio Lower Upper
 75 100
 110 8.4 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.233 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.11 min
 Lab File: VY000089.D
 Acq: 19 Sep 2019 19:48

Tgt Ion: 117 Resp: 9591
 Ion Ratio Lower Upper
 117 100
 119 8.7 75.0 112.6#
 121 0.0 22.8 34.2#

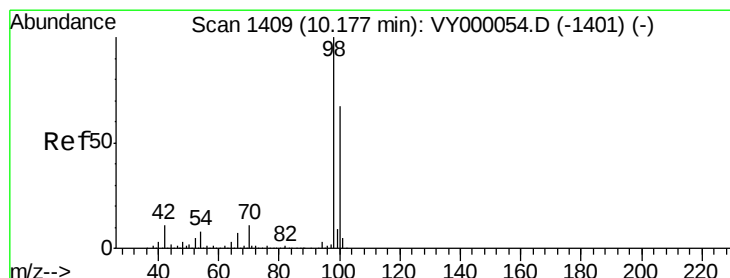
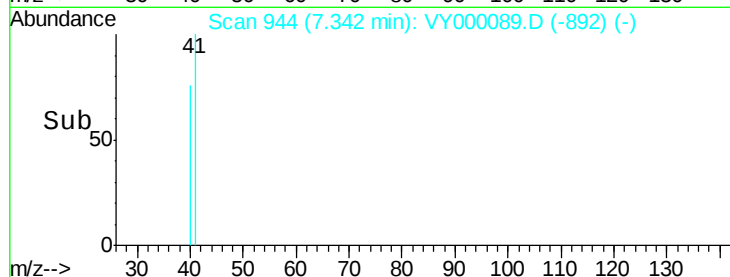
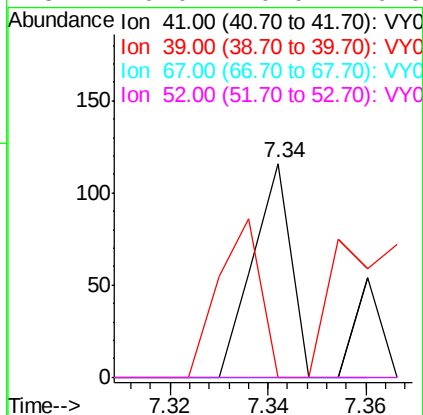
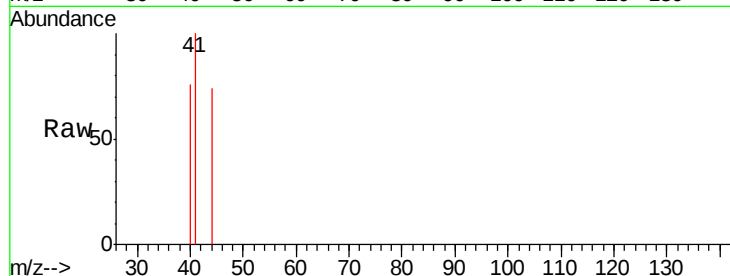




#41
Methacrylonitrile
Concen: 4.387 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.02 min
Lab File: VY000089.D
Acq: 19 Sep 2019 19:48

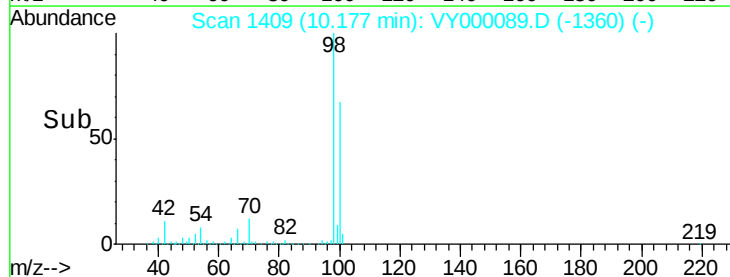
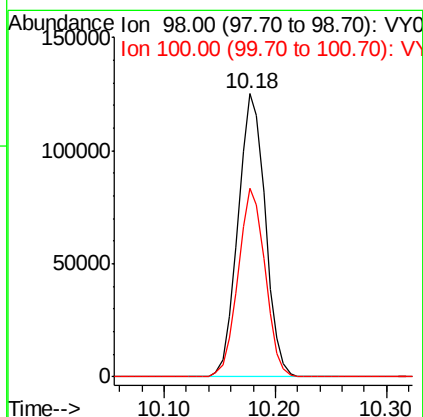
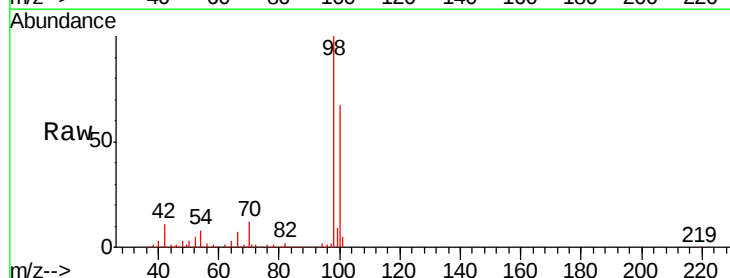
Instrument :
MSVOA_Y
ClientSampled :
CSA-4-4-1

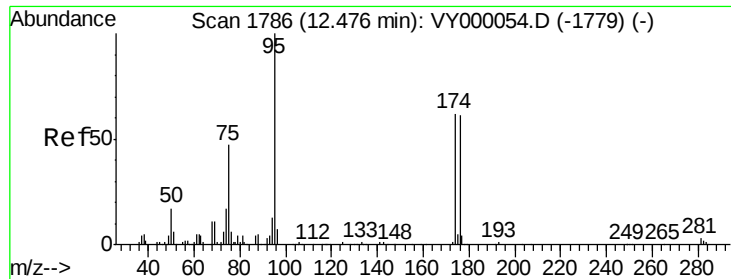
Tgt Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
39	82.5	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 47.465 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000089.D
Acq: 19 Sep 2019 19:48

Tgt Ion:	98	Resp:	212081
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7

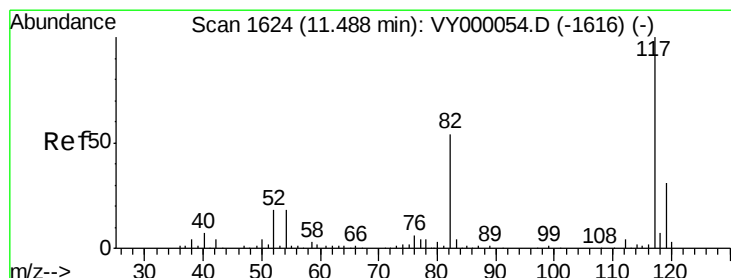
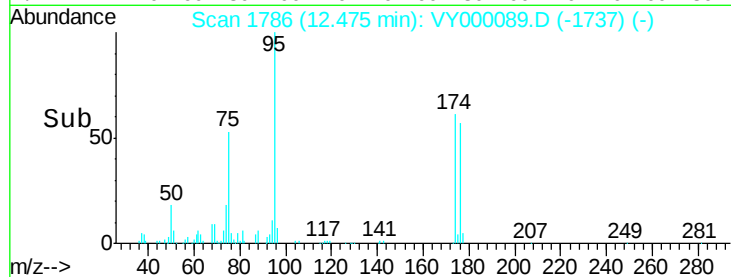
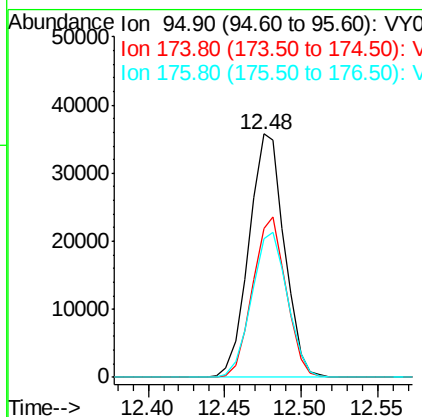
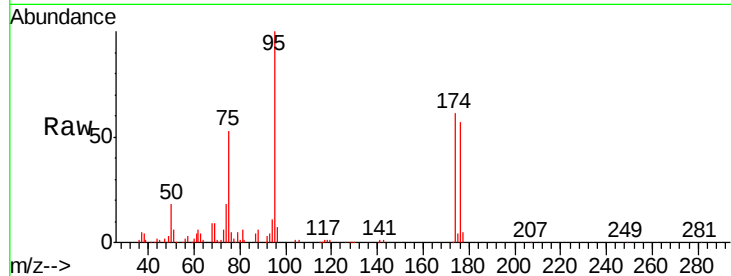




#62
4-Bromofluorobenzene
Concen: 34.613 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000089.D
Acq: 19 Sep 2019 19:48

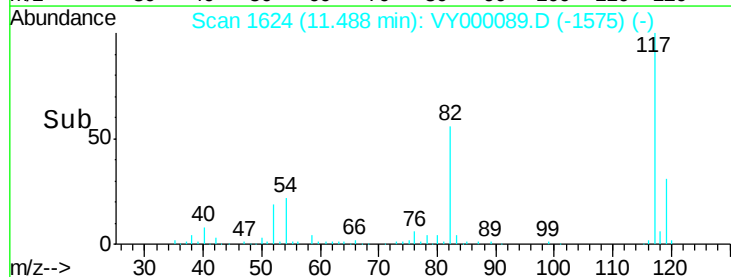
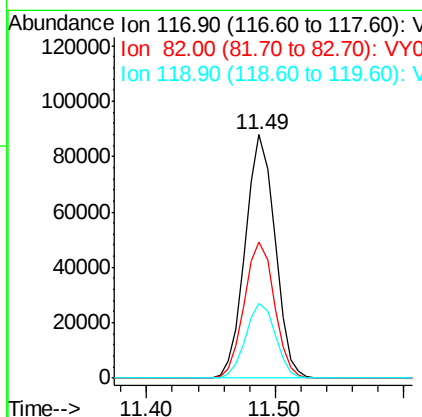
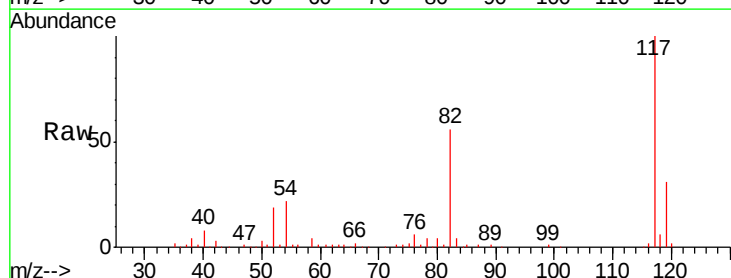
Instrument :
MSVOA_Y
ClientSampleId :
CSA-4-4-1

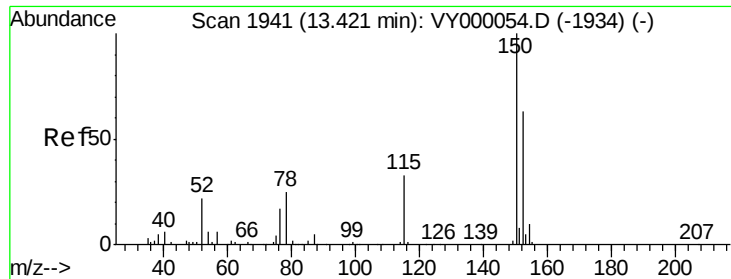
Tgt Ion: 95 Resp: 57419
Ion Ratio Lower Upper
95 100
174 62.3 0.0 137.2
176 60.5 0.0 135.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000089.D
Acq: 19 Sep 2019 19:48

Tgt Ion: 117 Resp: 139966
Ion Ratio Lower Upper
117 100
82 55.7 43.5 65.3
119 30.9 24.6 36.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000089.D

Acq: 19 Sep 2019 19:48

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-4-1

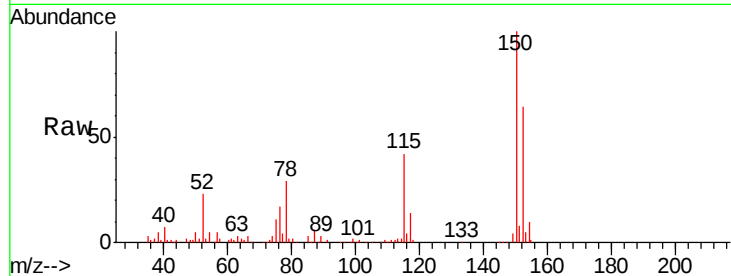
Tgt Ion:152 Resp: 40901

Ion Ratio Lower Upper

152 100

115 65.5 30.7 92.1

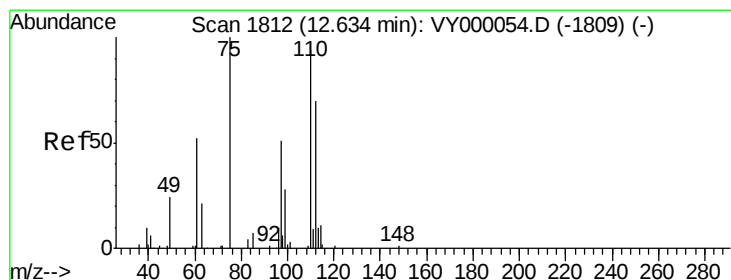
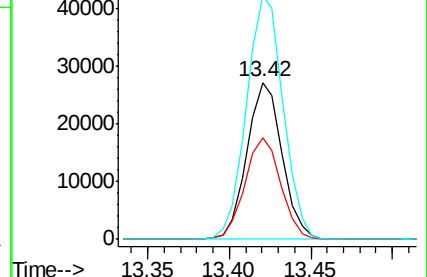
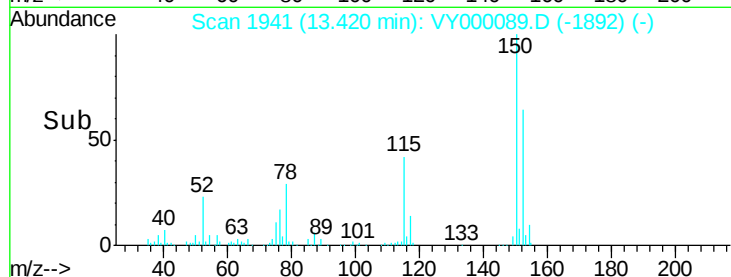
150 161.3 0.0 351.6



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: 48.993 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000089.D

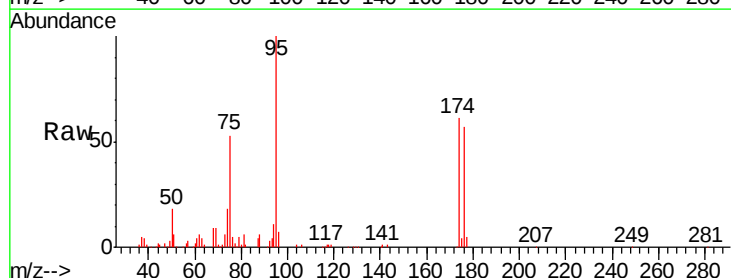
Acq: 19 Sep 2019 19:48

Tgt Ion: 75 Resp: 28194

Ion Ratio Lower Upper

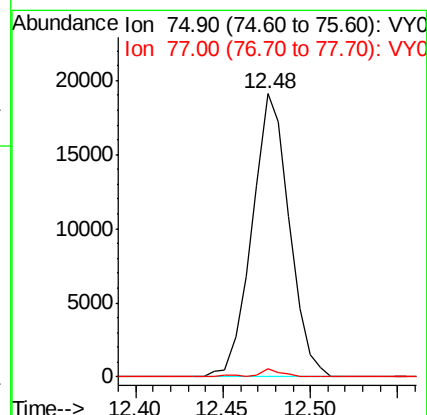
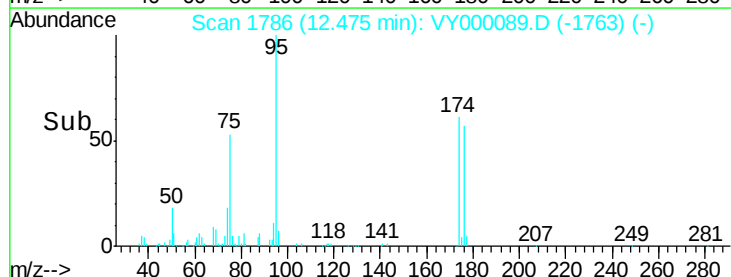
75 100

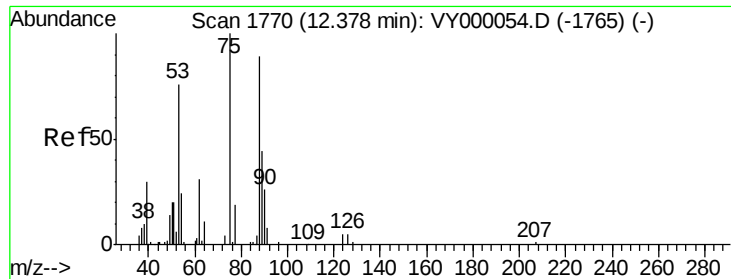
77 1.9 0.0 0.0#



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: 94.225 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000089.D

Acq: 19 Sep 2019 19:48

Instrument :

MSVOA_Y

ClientSampleId :

CSA-4-4-1

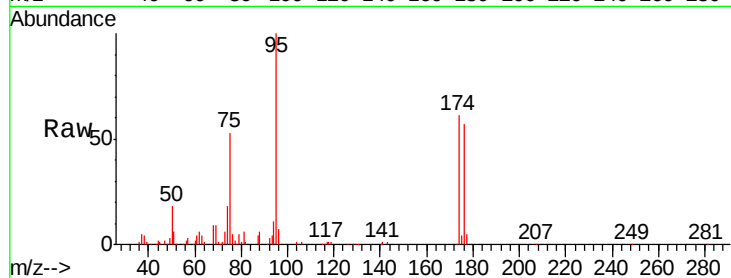
Tgt Ion: 75 Resp: 28194

Ion Ratio Lower Upper

75 100

53 0.0 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

