

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000101.D
 Acq On : 20 Sep 2019 12:29
 Operator : SY/MD
 Sample : K4863-08
 Misc : 4.42g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:46:42 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	7.80	168	92755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	195112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	144486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	42000	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	58941	55.23	ug/l	0.00
Spiked Amount			Recovery	=	110.46%	
35) Dibromofluoromethane	7.72	113	53879	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	10.18	98	218542	47.10	ug/l	0.00
Spiked Amount			Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.48	95	58752	34.10	ug/l	0.00
Spiked Amount			Recovery	=	68.20%	

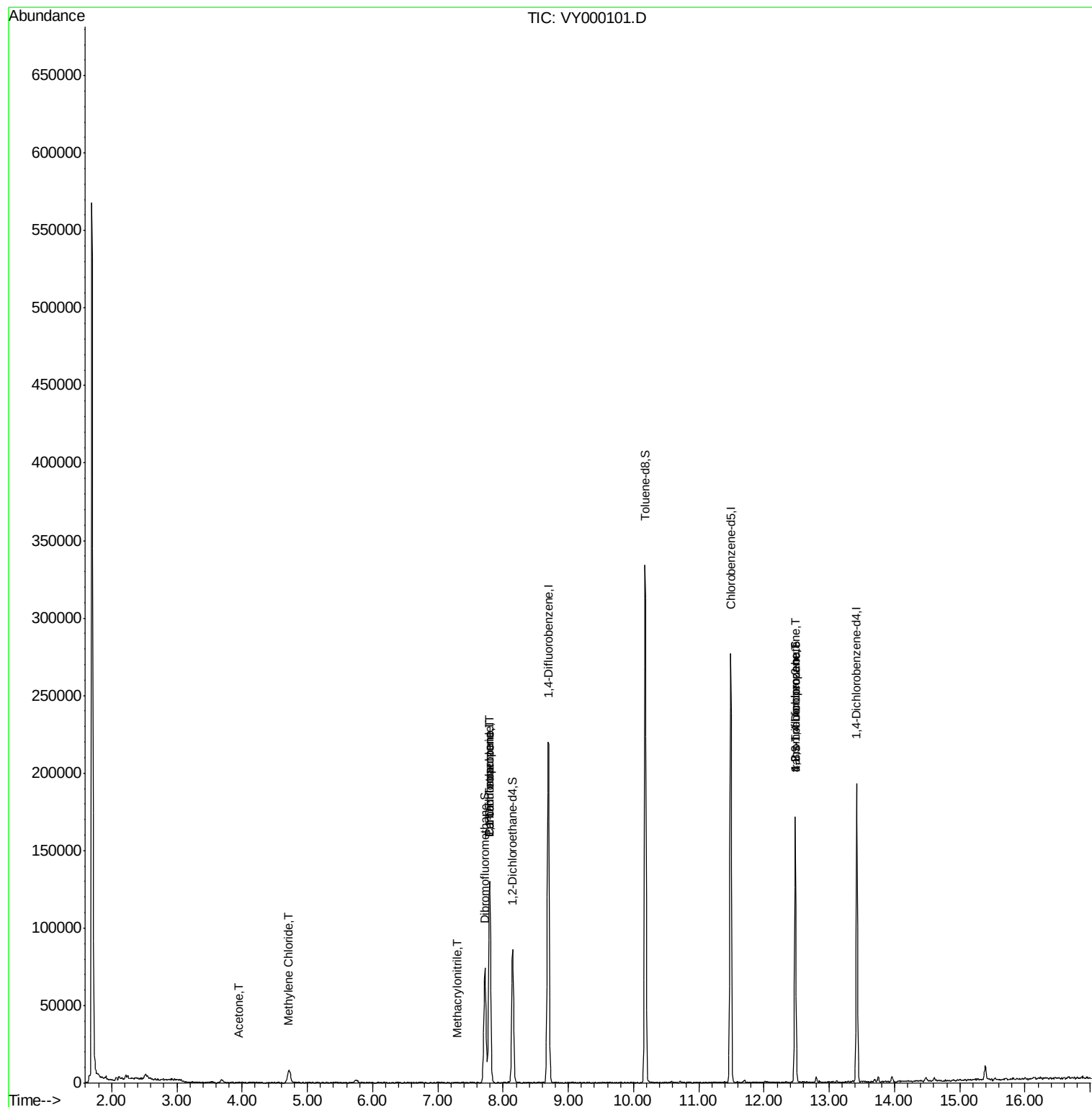
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	19	Below Cal	#	42
3) Chloromethane	2.11	50	1271	Below Cal	#	82
5) Bromomethane	2.66	94	45	Below Cal	#	6
13) Acrolein	3.54	56	45	Below Cal	#	13
16) Acetone	3.95	43	705	2.837	ug/l #	33
17) Carbon Disulfide	4.20	76	80	Below Cal	#	77
20) Methylene Chloride	4.71	84	6754	5.778	ug/l #	85
31) Cyclohexane	7.79	56	2492	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	8892	6.095	ug/l #	44
38) Carbon Tetrachloride	7.79	117	9806	7.122	ug/l #	17
41) Methacrylonitrile	7.31	41	55	4.375	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	29265	49.523	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	29265	95.245	ug/l #	19

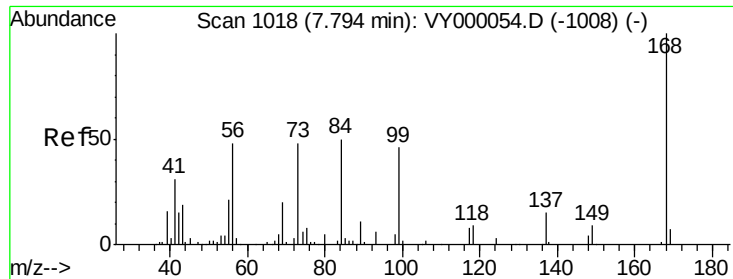
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY000101.D

Acq: 20 Sep 2019 12:29

Instrument :

MSVOA_Y

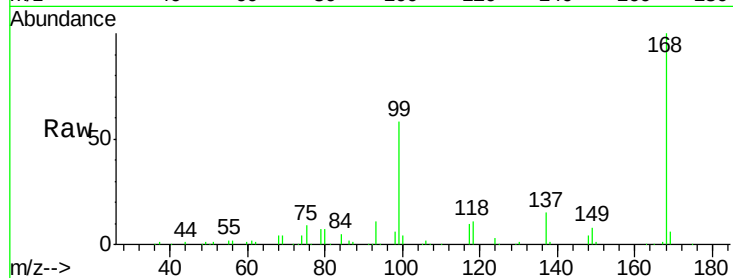
ClientSampled :

Tot Ion:168 Resp: 92755

Ion Ratio Lower Upper

168 100

99 57.8 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) (-)

7.80

40000

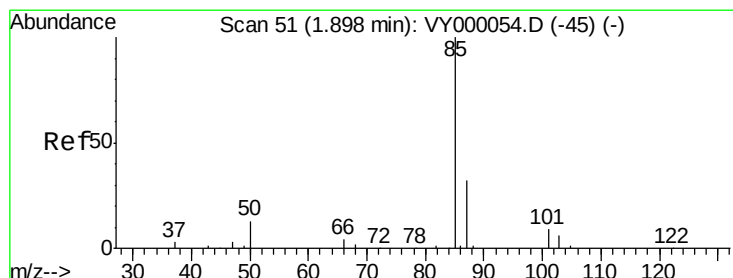
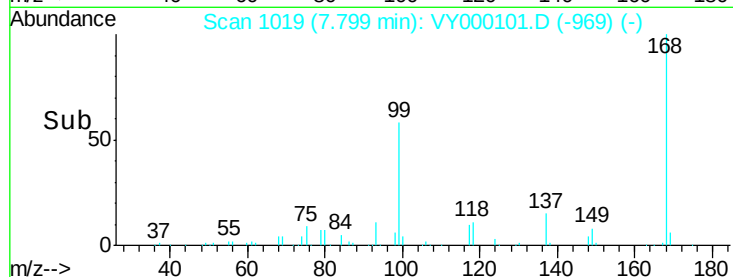
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000101.D

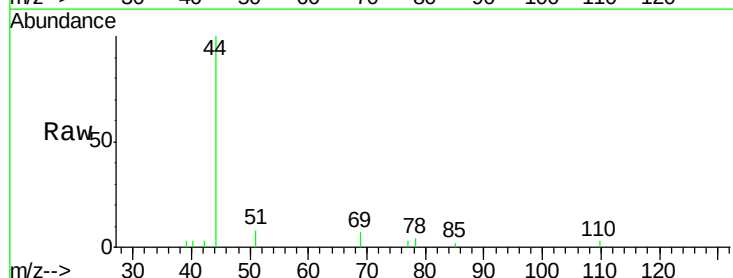
Acq: 20 Sep 2019 12:29

Tgt Ion: 85 Resp: 19

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

60

50

40

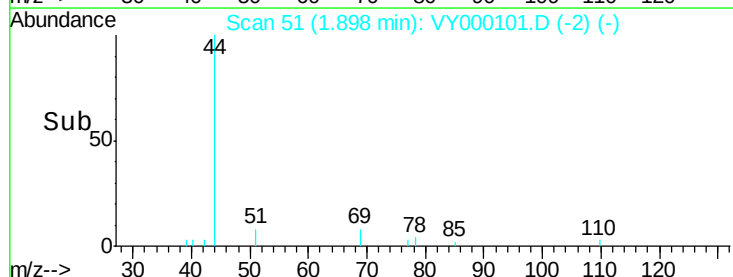
30

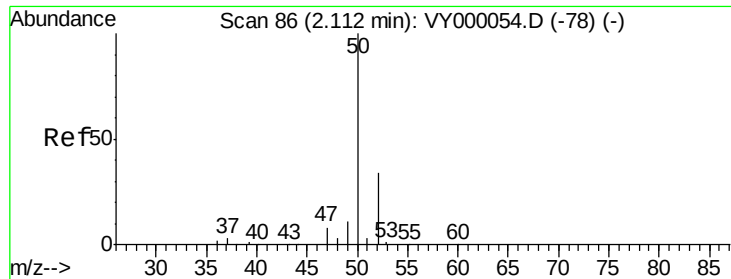
20

10

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000101.D

Acq: 20 Sep 2019 12:29

Instrument :

MSVOA_Y

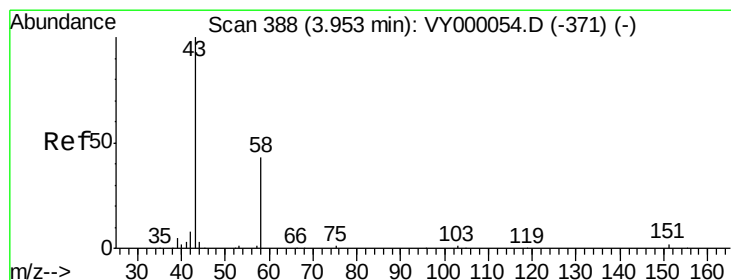
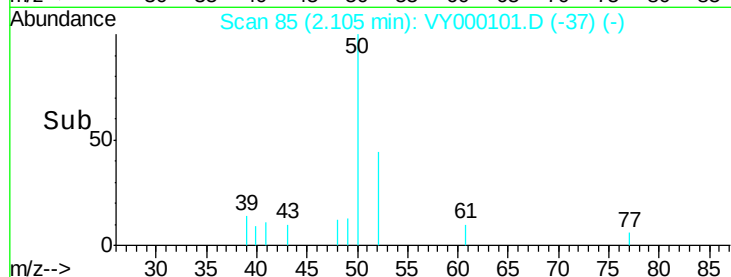
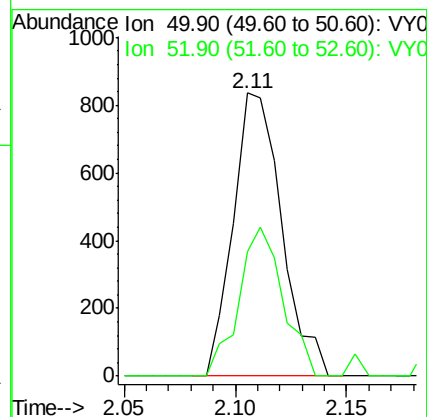
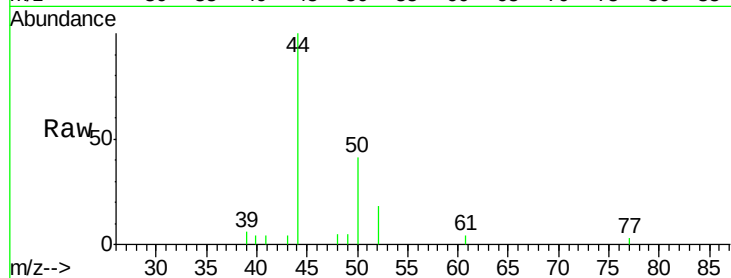
ClientSampled :

Tot Ion: 50 Resp: 1271

Ion Ratio Lower Upper

50 100

52 44.3 27.3 40.9#



#16

Acetone

Concen: 2.837 ug/l

RT: 3.95 min Scan# 387

Delta R.T. -0.01 min

Lab File: VY000101.D

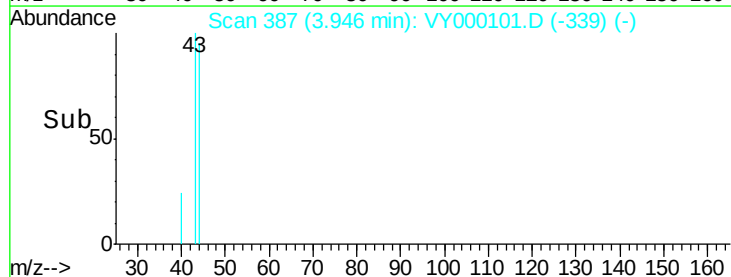
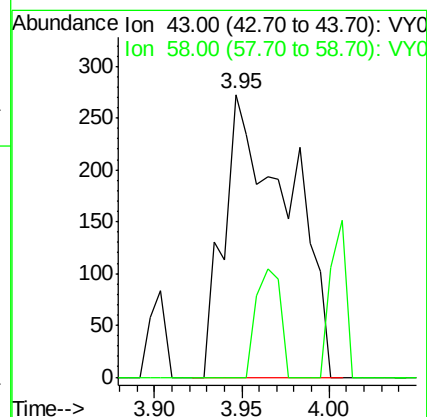
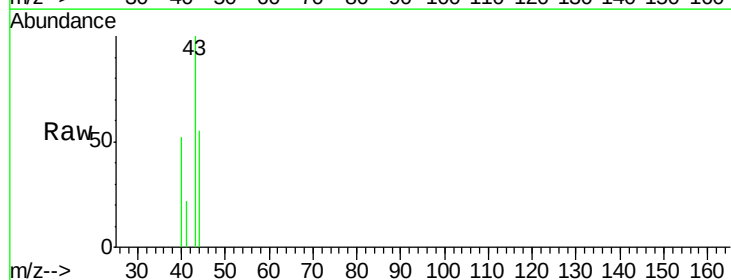
Acq: 20 Sep 2019 12:29

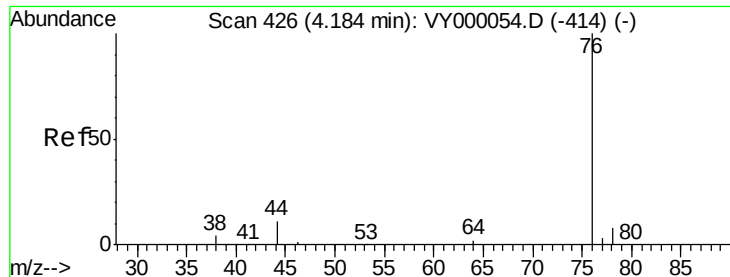
Tgt Ion: 43 Resp: 705

Ion Ratio Lower Upper

43 100

58 0.0 34.5 51.7#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 429

Delta R.T. 0.02 min

Lab File: VY000101.D

Acq: 20 Sep 2019 12:29

Instrument :

MSVOA_Y

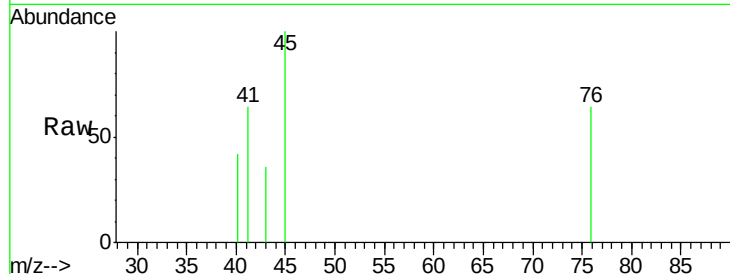
ClientSampled :

Tot Ion: 76 Resp: 80

Ion Ratio Lower Upper

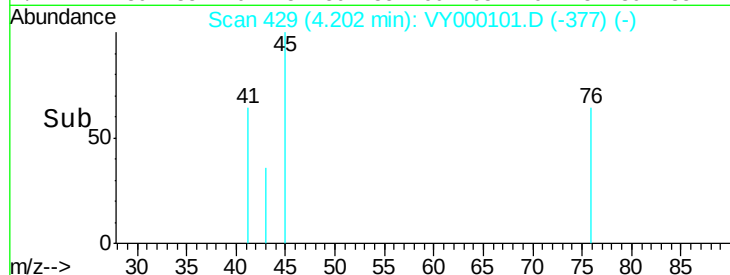
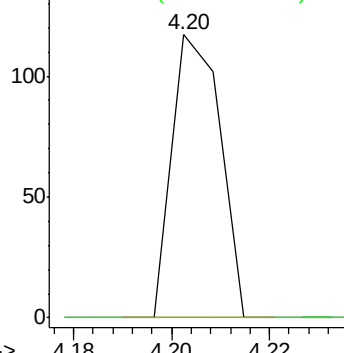
76 100

78 0.0 6.6 9.8#

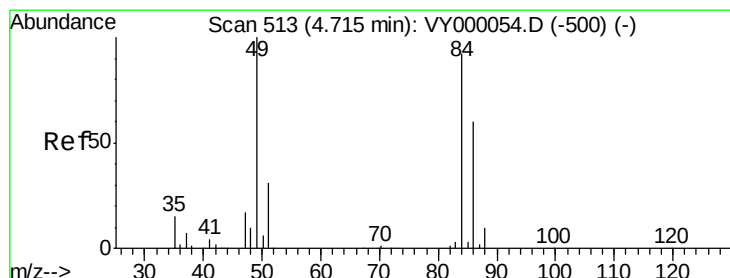


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time-->



#20

Methylene Chloride

Concen: 5.778 ug/l

RT: 4.71 min Scan# 512

Delta R.T. -0.01 min

Lab File: VY000101.D

Acq: 20 Sep 2019 12:29

Tgt Ion: 84 Resp: 6754

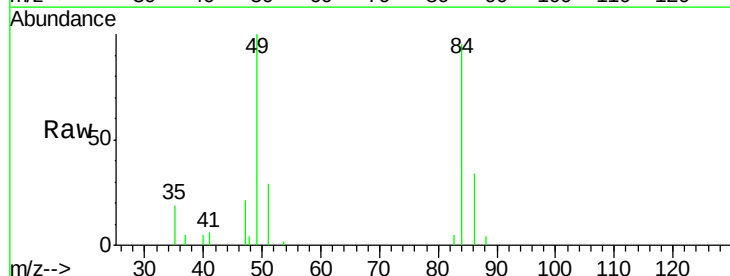
Ion Ratio Lower Upper

84 100

49 104.9 87.4 131.0

51 30.1 27.2 40.8

86 35.6 52.8 79.2#

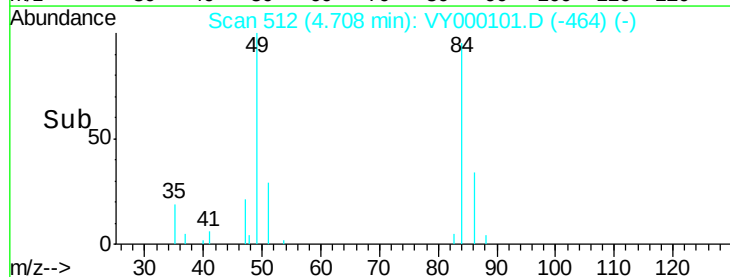
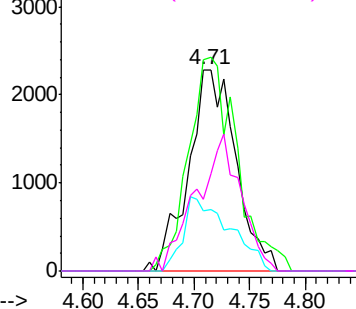


Abundance Ion 83.90 (83.60 to 84.60): VY0

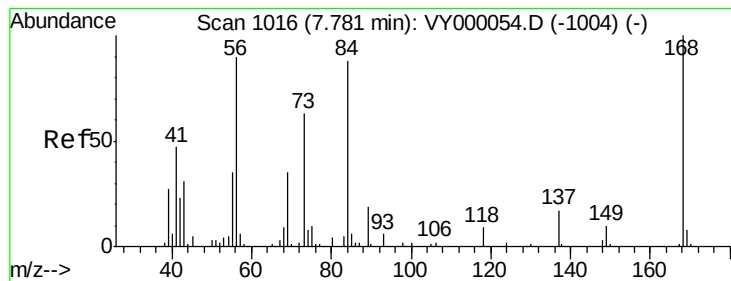
Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

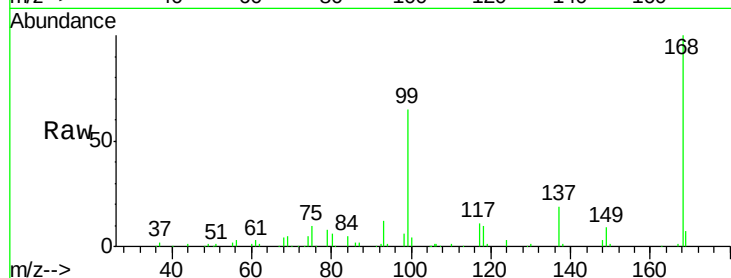
Lab File: VY000101.D

Acq: 20 Sep 2019 12:29

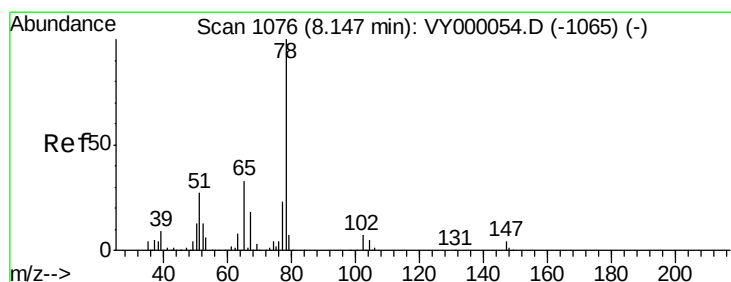
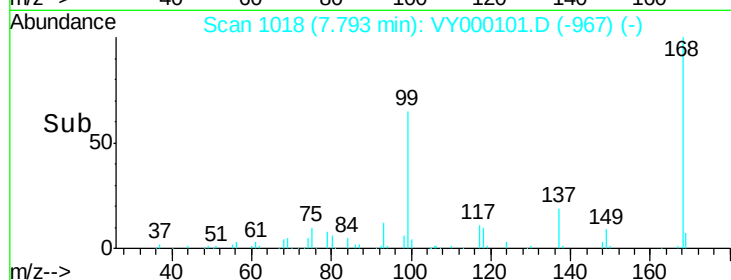
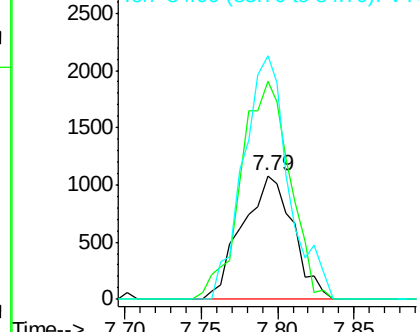
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 2492

Ion	Ratio	Lower	Upper
56	100		
69	177.1	30.9	46.3#
84	197.4	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: 55.232 ug/l

RT: 8.15 min Scan# 1076

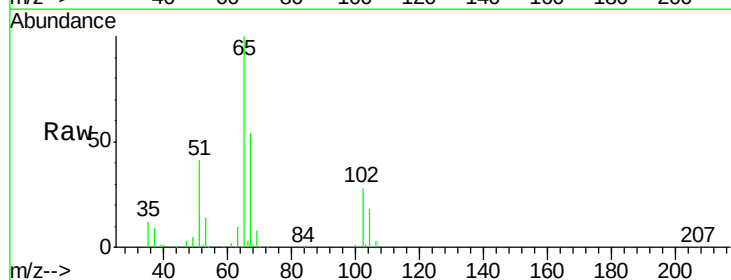
Delta R.T. -0.00 min

Lab File: VY000101.D

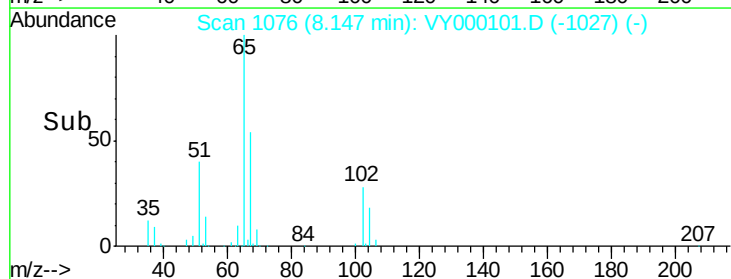
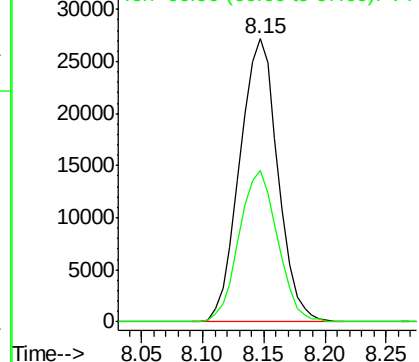
Acq: 20 Sep 2019 12:29

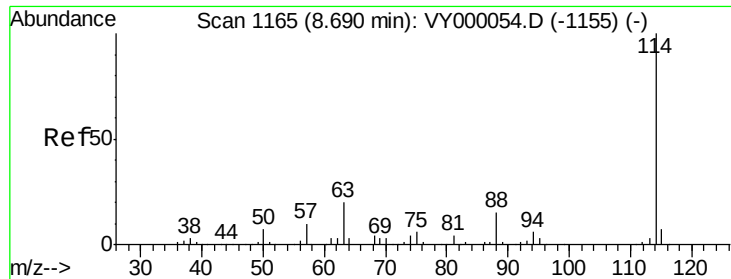
Tgt Ion: 65 Resp: 58941

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	111.0



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

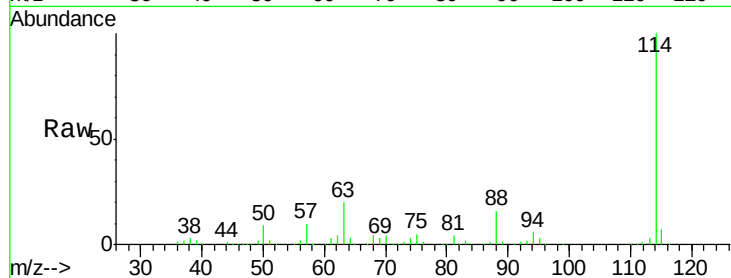




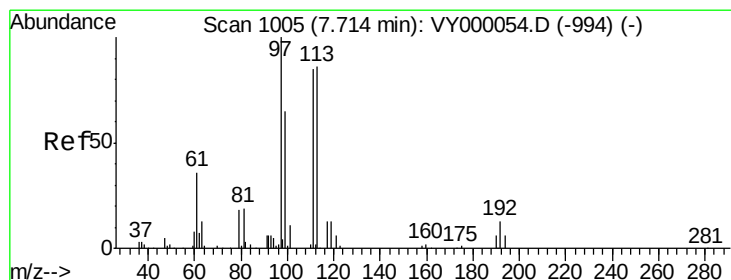
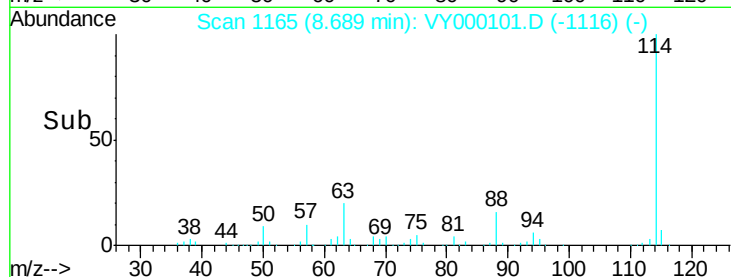
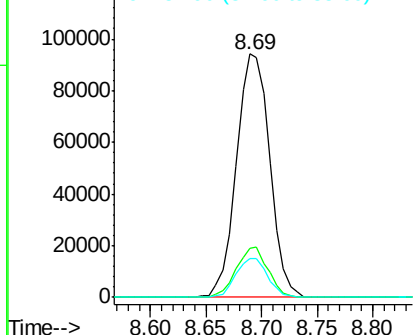
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000101.D
 Acq: 20 Sep 2019 12:29

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 195112
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 15.9 0.0 30.2

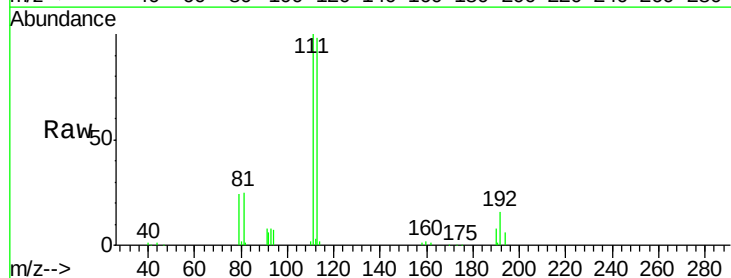


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

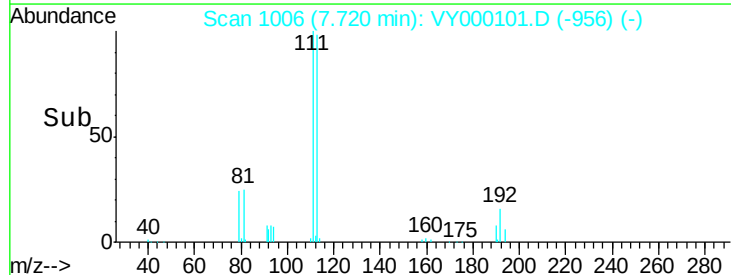
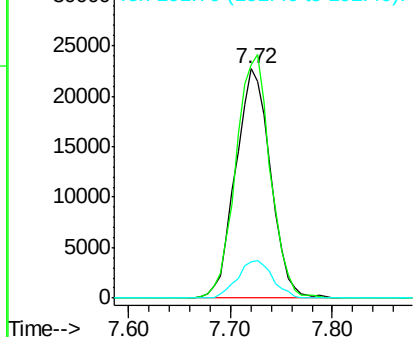


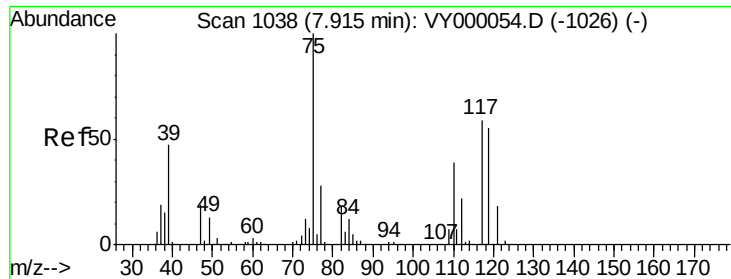
#35
 Dibromofluoromethane
 Concen: 45.608 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000101.D
 Acq: 20 Sep 2019 12:29

Tgt Ion:113 Resp: 53879
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.7 122.5
 192 16.6 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

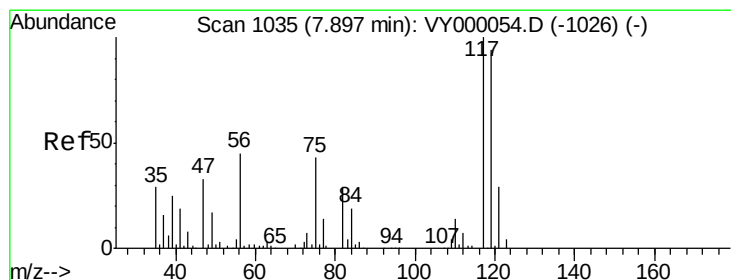
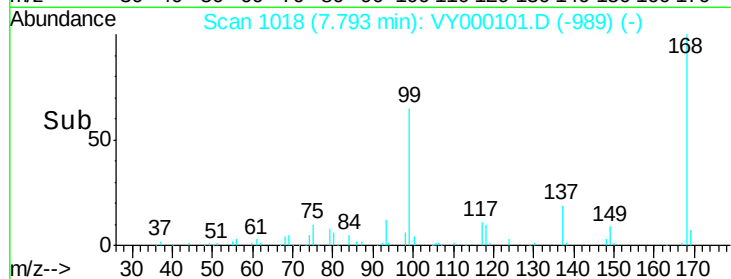
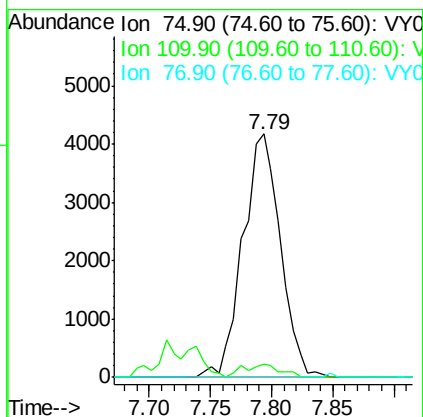
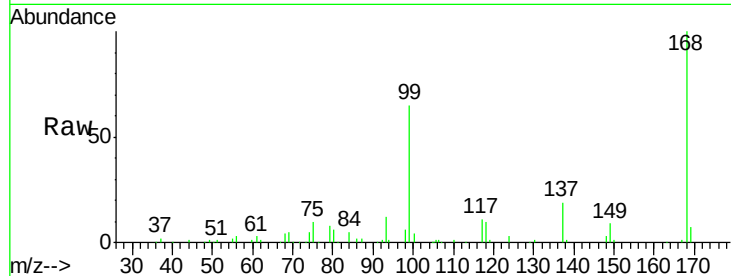




#36
 1,1-Dichloropropene
 Concen: 6.095 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000101.D
 Acq: 20 Sep 2019 12:29

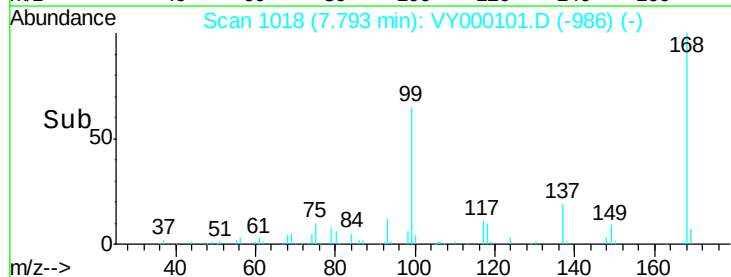
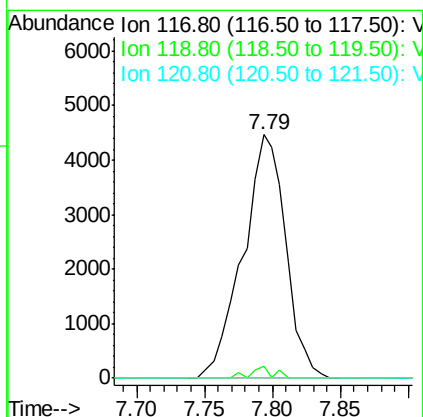
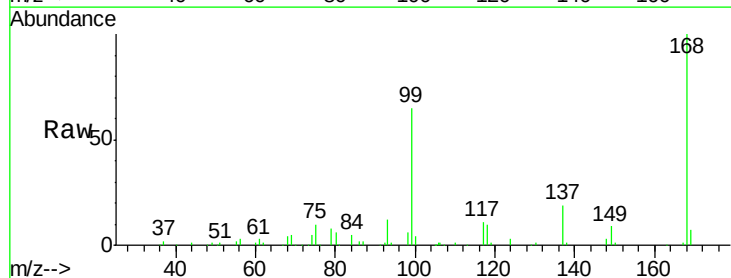
Instrument :
 MSVOA_Y
 ClientSampled :

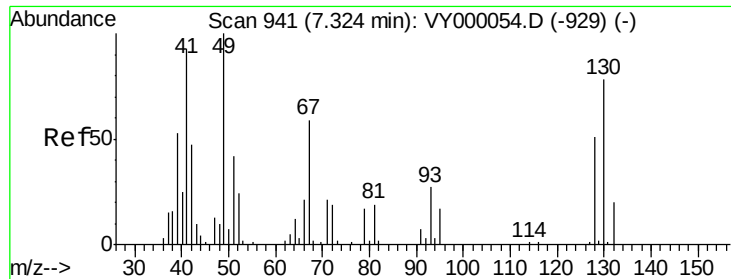
Tot Ion: 75 Resp: 8892
 Ion Ratio Lower Upper
 75 100
 110 5.3 19.6 58.7#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.122 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000101.D
 Acq: 20 Sep 2019 12:29

Tgt Ion: 117 Resp: 9806
 Ion Ratio Lower Upper
 117 100
 119 5.0 75.0 112.6#
 121 0.0 22.8 34.2#

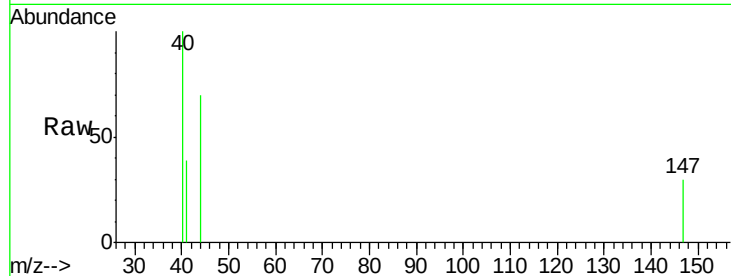




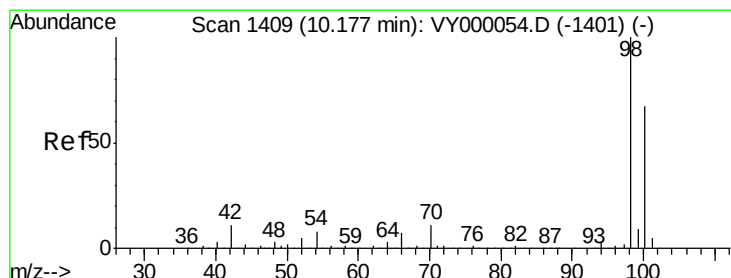
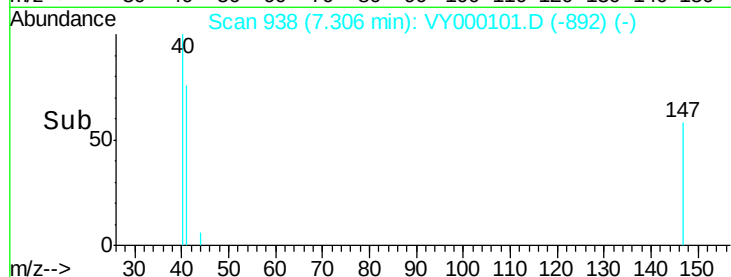
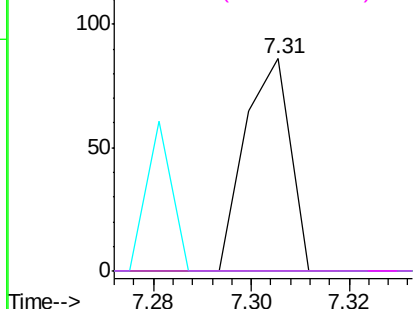
#41
Methacrylonitrile
Concen: 4.375 ug/l
RT: 7.31 min Scan# 938
Delta R.T. -0.02 min
Lab File: VY000101.D
Acq: 20 Sep 2019 12:29

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	41	Resp:	55
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

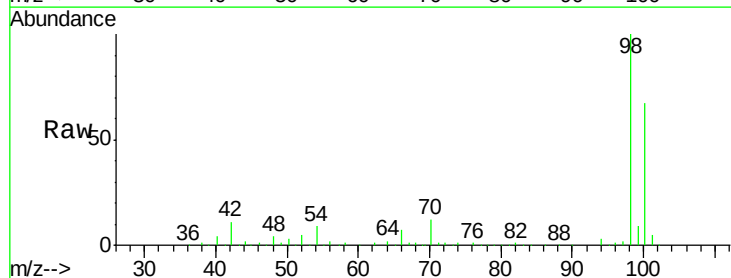


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

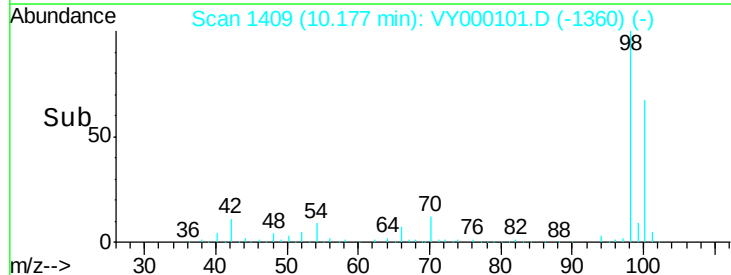
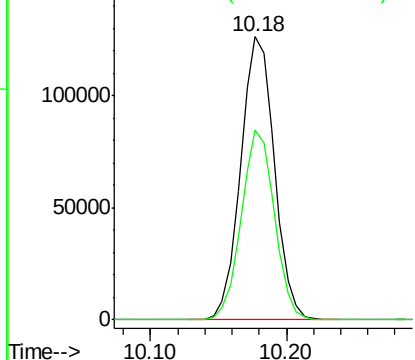


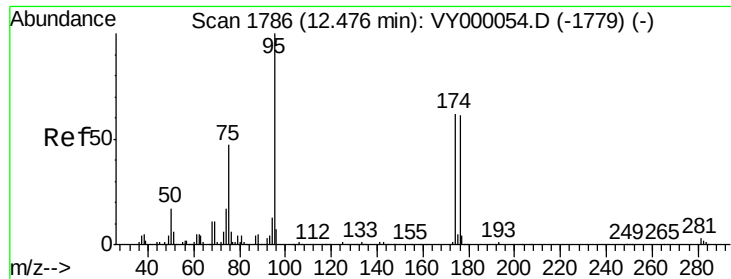
#50
Toluene-d8
Concen: 47.100 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000101.D
Acq: 20 Sep 2019 12:29

Tgt Ion:	98	Resp:	218542
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

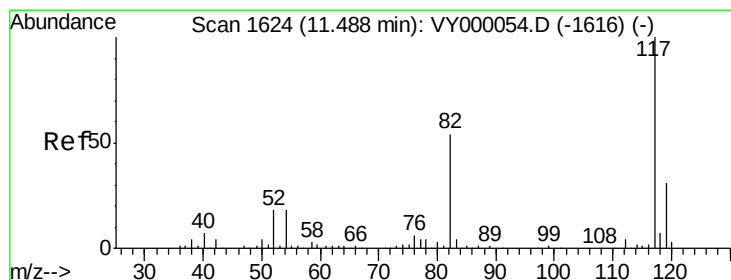
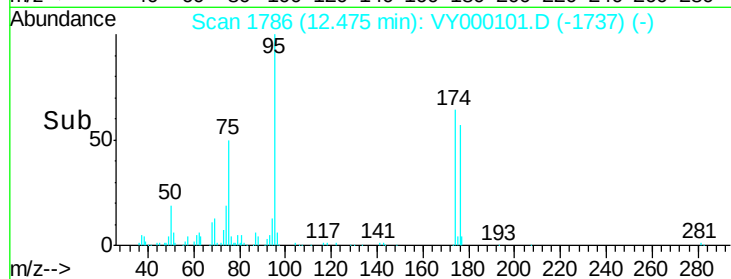
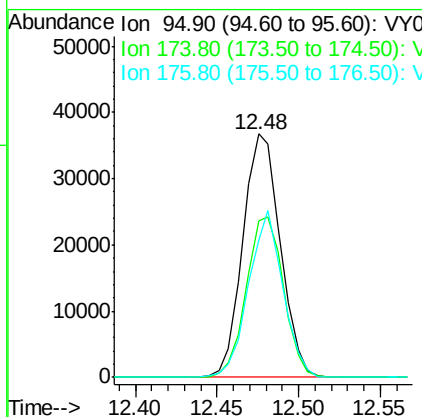
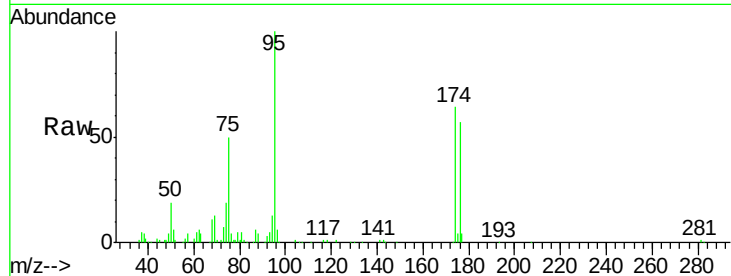




#62
4-Bromofluorobenzene
Concen: 34.104 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000101.D
Acq: 20 Sep 2019 12:29

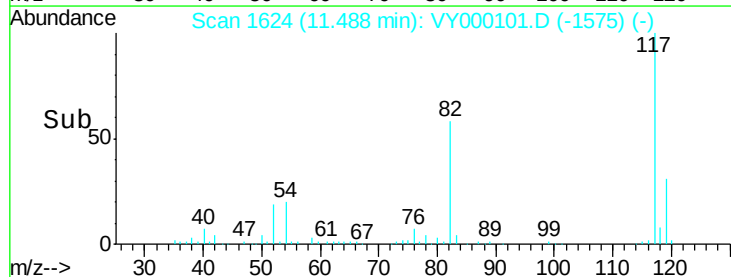
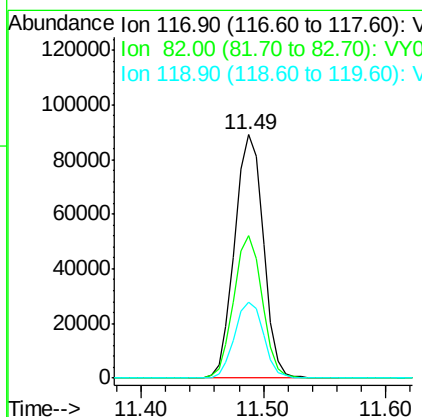
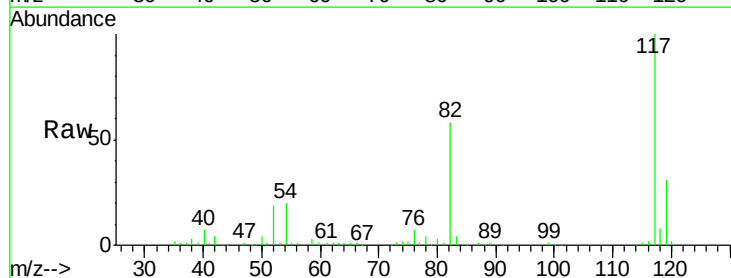
Instrument :
MSVOA_Y
ClientSampled :

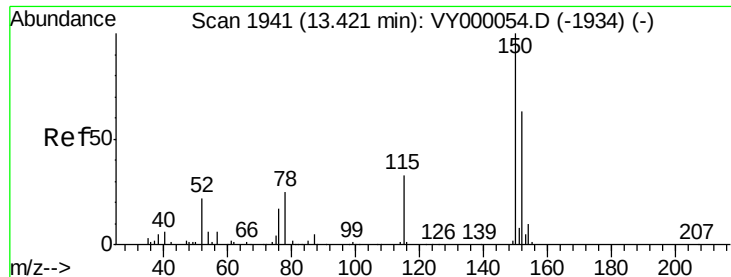
Tot Ion	Ratio	Lower	Upper
95	100		
174	65.6	0.0	137.2
176	62.9	0.0	135.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000101.D
Acq: 20 Sep 2019 12:29

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.4	43.5	65.3
119	31.3	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: VY000101.D

Acq: 20 Sep 2019 12:29

Instrument :

MSVOA_Y

ClientSampleId :

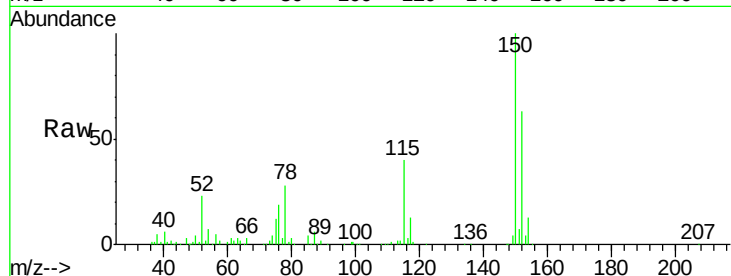
Tot Ion:152 Resp: 42000

Ion Ratio Lower Upper

152 100

115 63.2 30.7 92.1

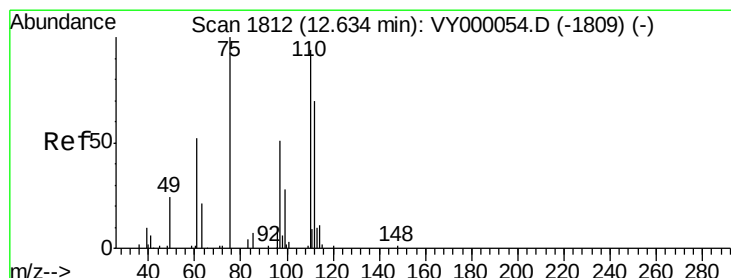
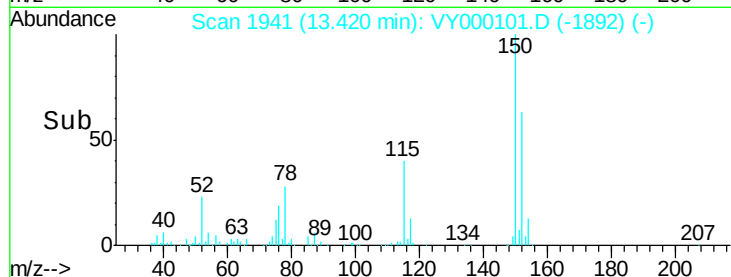
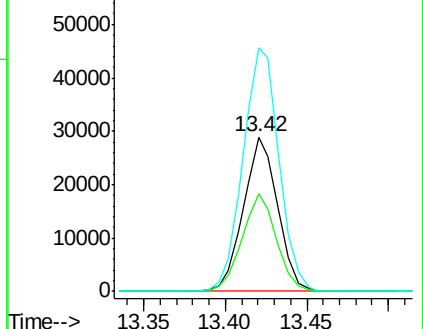
150 166.3 0.0 351.6



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: 49.523 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000101.D

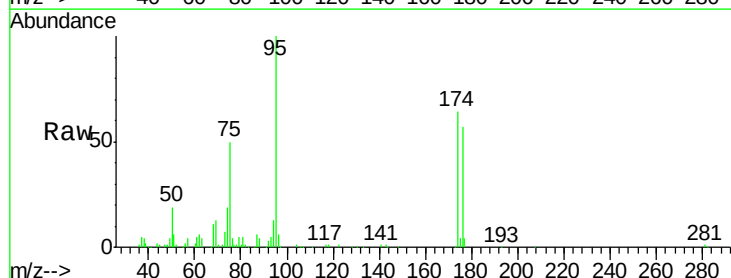
Acq: 20 Sep 2019 12:29

Tgt Ion: 75 Resp: 29265

Ion Ratio Lower Upper

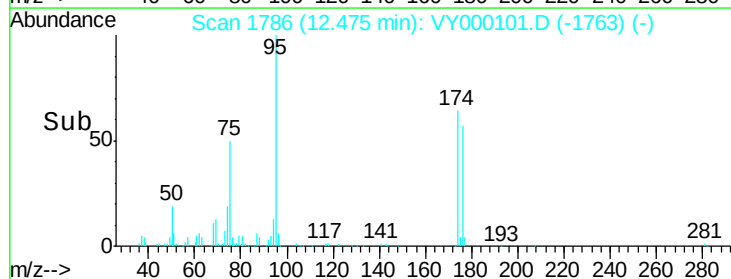
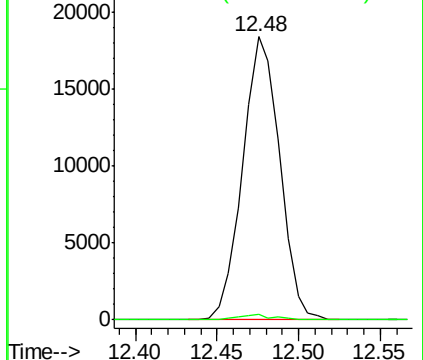
75 100

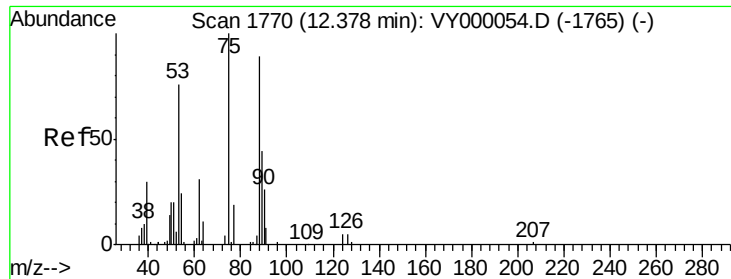
77 1.8 0.0 0.0#



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: 95.245 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000101.D

Acq: 20 Sep 2019 12:29

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 29265

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#

