

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000105.D
 Acq On : 20 Sep 2019 14:02
 Operator : SY/MD
 Sample : K4863-16
 Misc : 5.22g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:47:24 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	17918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	33797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	25524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	6944	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	10292	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	7.72	113	9575	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	10.18	98	38474	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.48	95	9627	32.26	ug/l	0.00
Spiked Amount			Recovery	=	64.52%	

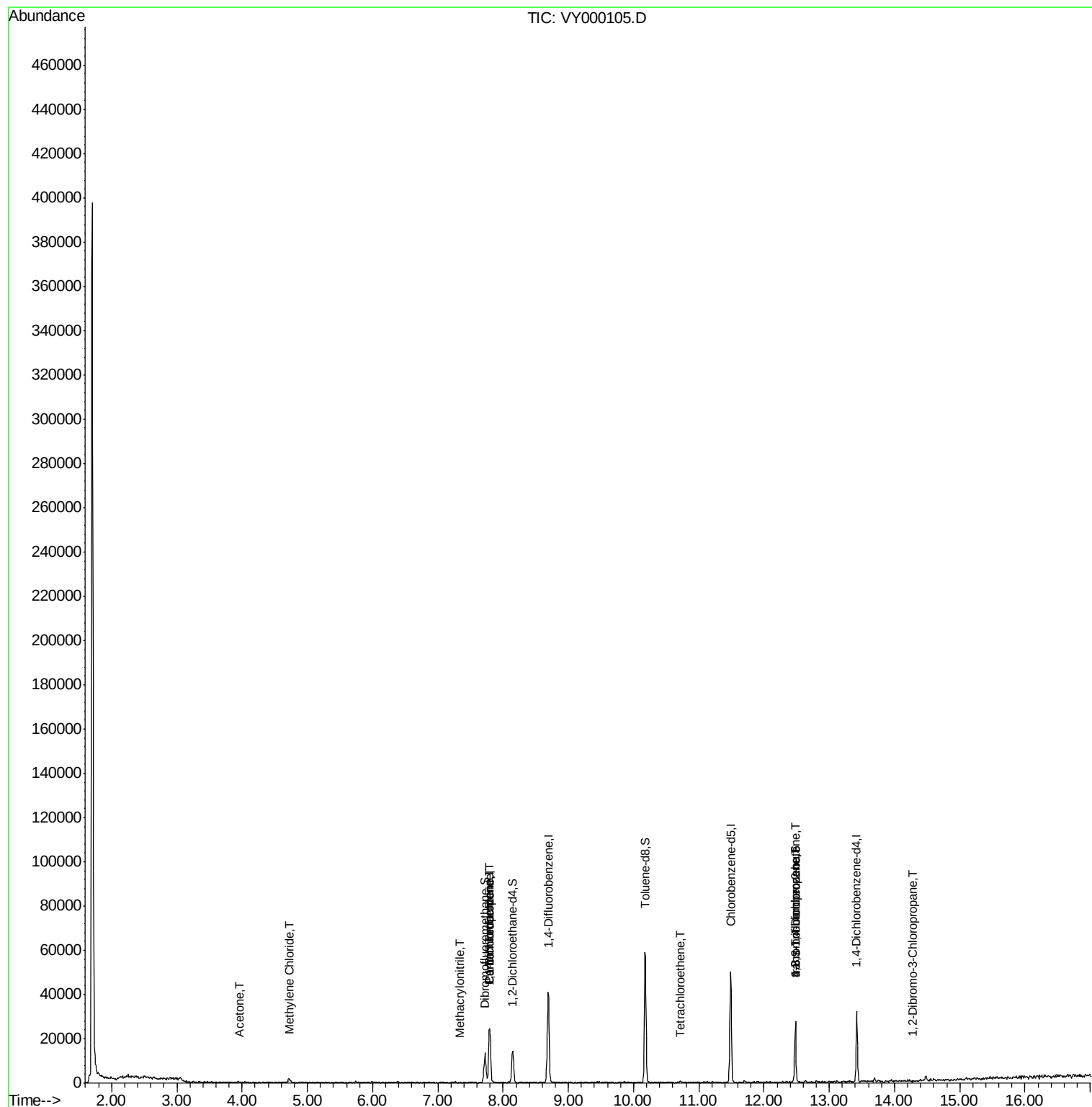
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	177	Below Cal		98
5) Bromomethane	2.51	94	46	Below Cal	#	6
13) Acrolein	3.95	56	23	Below Cal	#	67
16) Acetone	3.96	43	422	8.792	ug/l #	33
17) Carbon Disulfide	4.42	76	70	Below Cal	#	77
20) Methylene Chloride	4.72	84	1100	4.872	ug/l	91
31) Cyclohexane	7.80	56	635	Below Cal	#	45
36) 1,1-Dichloropropene	7.78	75	1676	6.632	ug/l #	40
38) Carbon Tetrachloride	7.79	117	2111	8.851	ug/l #	13
41) Methacrylonitrile	7.34	41	31	4.525	ug/l #	1
64) Tetrachloroethene	10.71	164	173	1.080	ug/l #	30
76) 1,2,3-Trichloropropane	12.48	75	5033	51.514	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	5033	99.074	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30	1.279	ug/l #	2

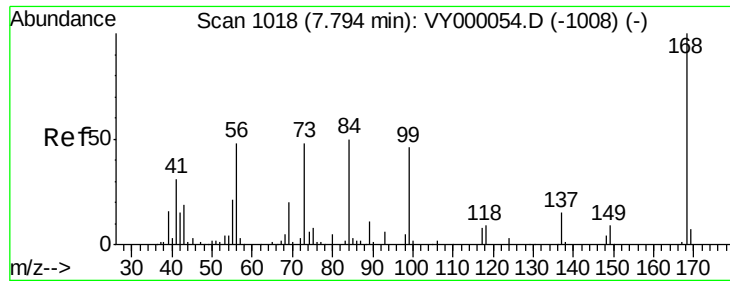
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000105.D

Acq: 20 Sep 2019 14:02

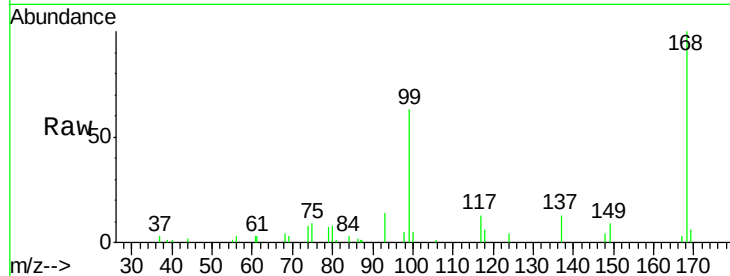
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 17918

Ion Ratio Lower Upper

168 100

99 62.7 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

8000

6000

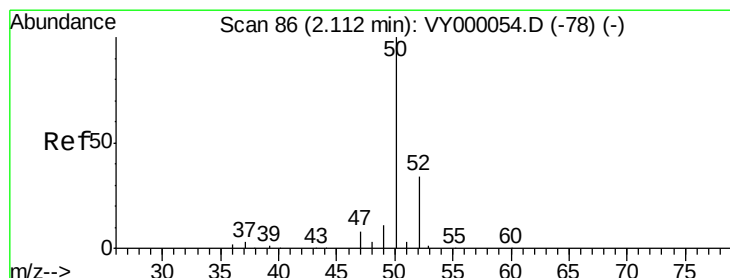
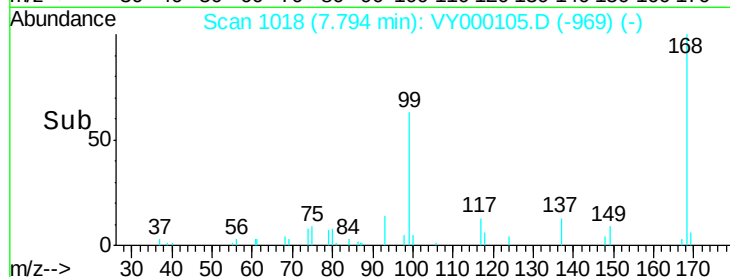
4000

2000

0

Time-->

7.70 7.75 7.80 7.85 7.90



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000105.D

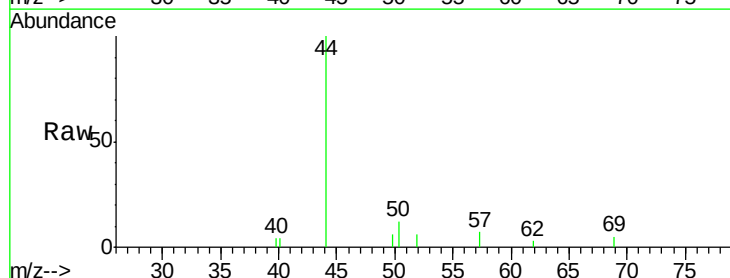
Acq: 20 Sep 2019 14:02

Tgt Ion: 50 Resp: 177

Ion Ratio Lower Upper

50 100

52 35.1 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VY000054.D (-78) (-)

Ion 51.90 (51.60 to 52.60): VY000054.D (-78) (-)

2.11

300

250

200

150

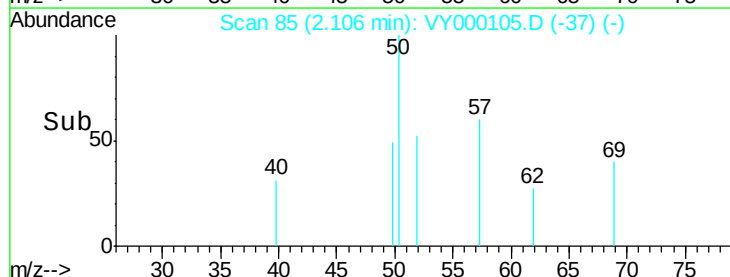
100

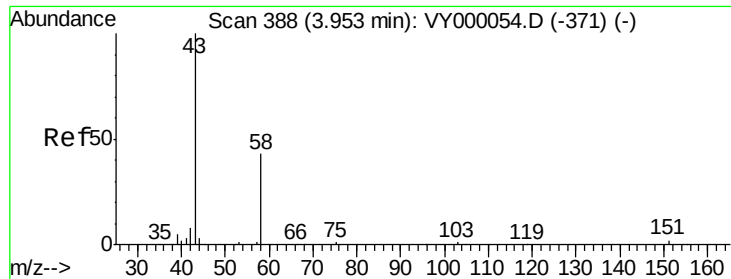
50

0

Time-->

2.08 2.10 2.12





#16

Acetone

Concen: 8.792 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000105.D

Acq: 20 Sep 2019 14:02

Instrument :

MSVOA_Y

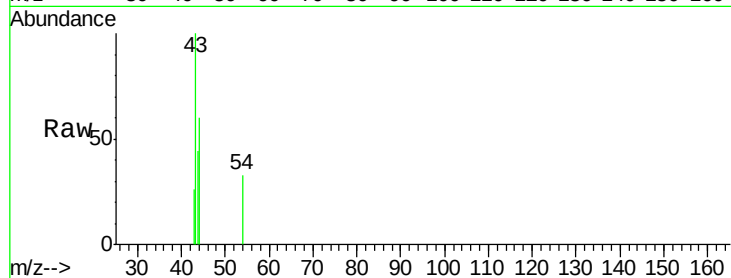
ClientSampled :

Tot Ion: 43 Resp: 422

Ion Ratio Lower Upper

43 100

58 0.0 34.5 51.7#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

250

200

150

100

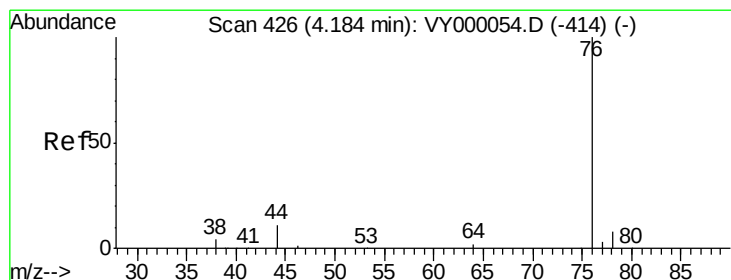
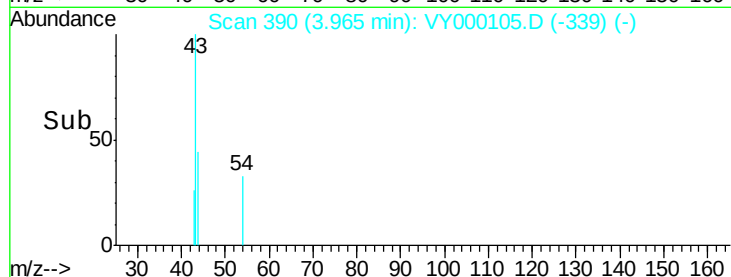
50

0

3.95

4.00

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.42 min Scan# 464

Delta R.T. 0.23 min

Lab File: VY000105.D

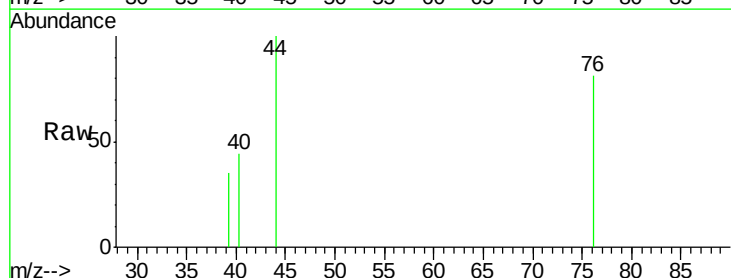
Acq: 20 Sep 2019 14:02

Tgt Ion: 76 Resp: 70

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

4.42

100

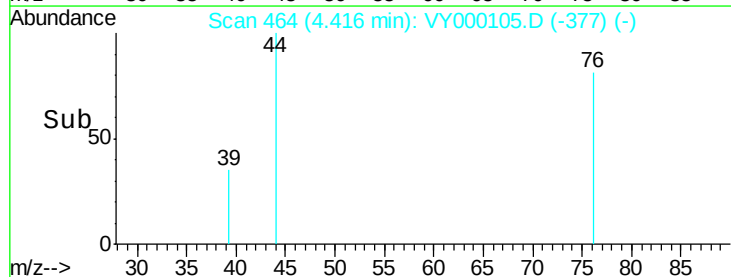
50

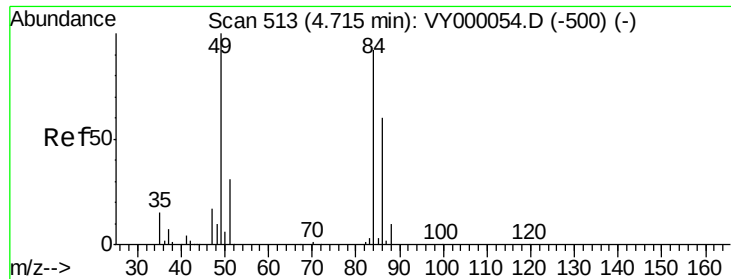
0

4.40

4.42

Time-->

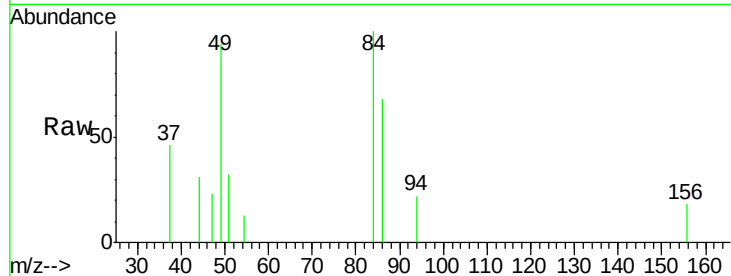




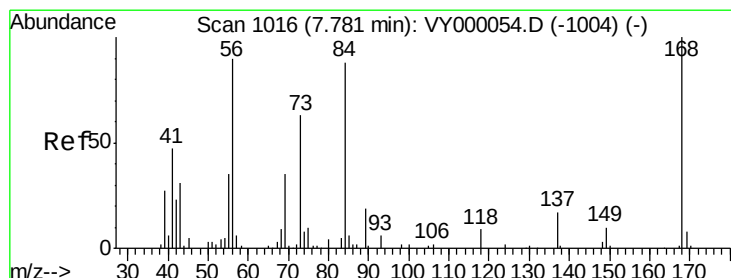
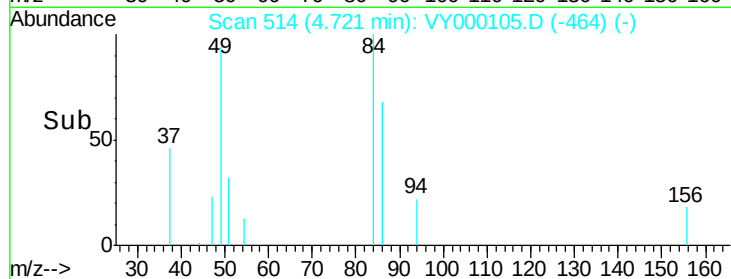
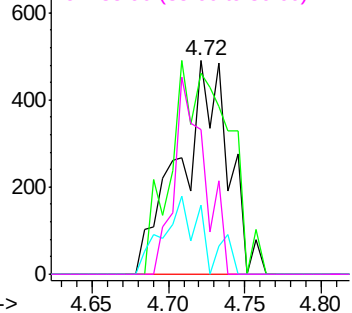
#20
Methylene Chloride
Concen: 4.872 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:	84	Resp:	1100
Ion	Ratio	Lower	Upper
84	100		
49	94.1	87.4	131.0
51	32.0	27.2	40.8
86	68.0	52.8	79.2

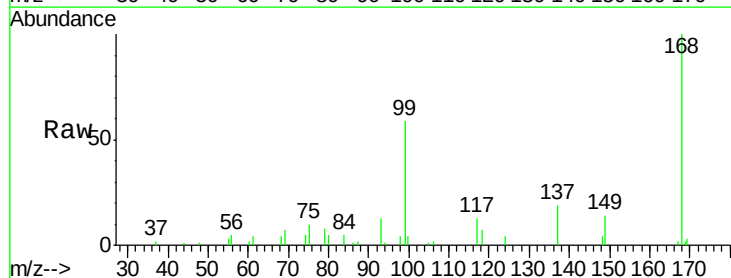


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

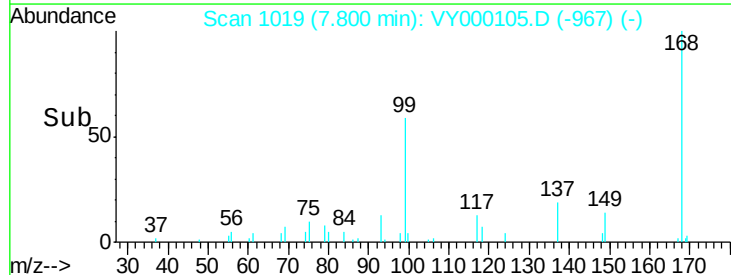
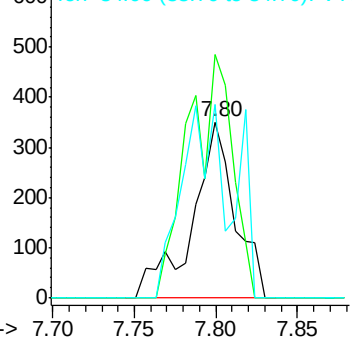


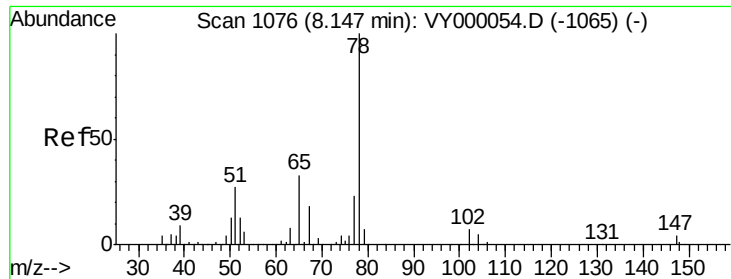
#31
Cyclohexane
Concen: Below Cal
RT: 7.80 min Scan# 1019
Delta R.T. 0.02 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

Tgt Ion:	56	Resp:	635
Ion	Ratio	Lower	Upper
56	100		
69	138.2	30.9	46.3#
84	110.0	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

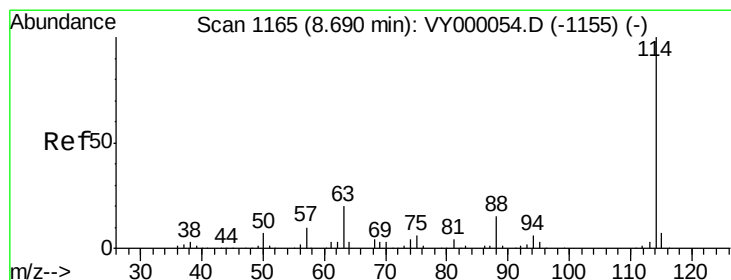
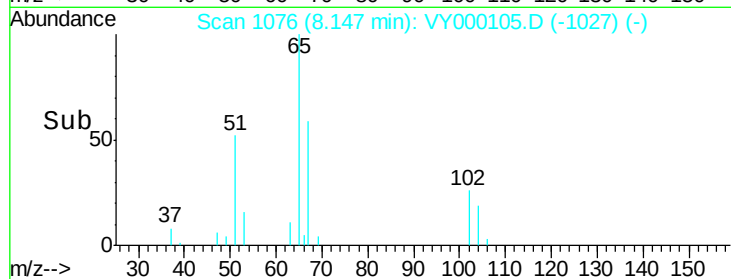
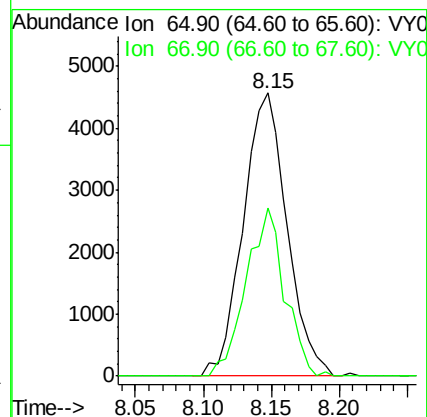
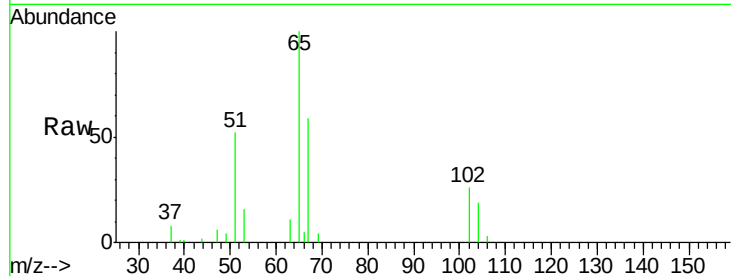




#33
 1,2-Dichloroethane-d4
 Concen: 49.925 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VY000105.D
 Acq: 20 Sep 2019 14:02

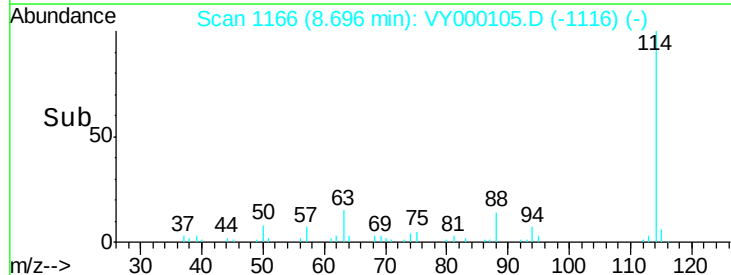
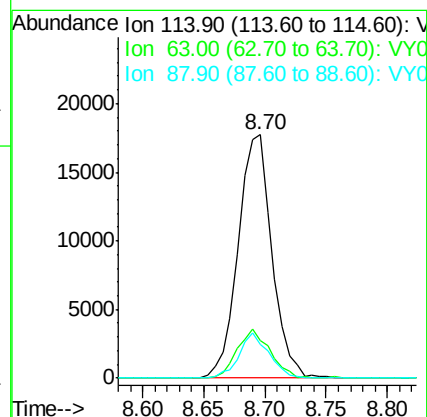
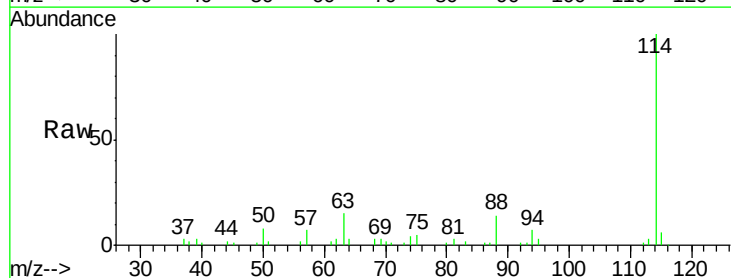
Instrument :
 MSVOA_Y
 ClientSampled :

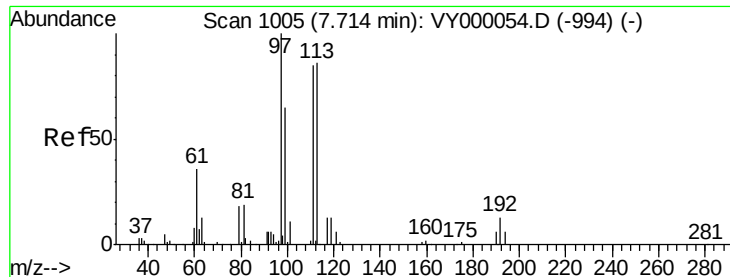
Tot Ion: 65 Resp: 10292
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VY000105.D
 Acq: 20 Sep 2019 14:02

Tgt Ion: 114 Resp: 33797
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 39.4
 88 13.8 0.0 30.2

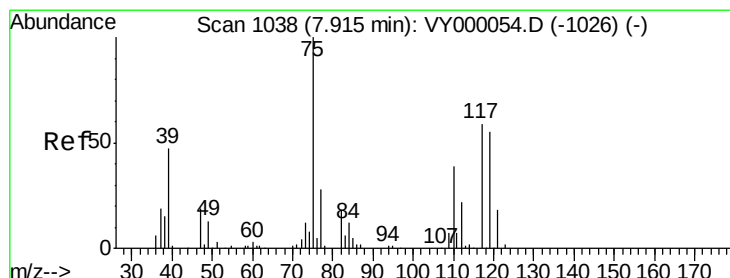
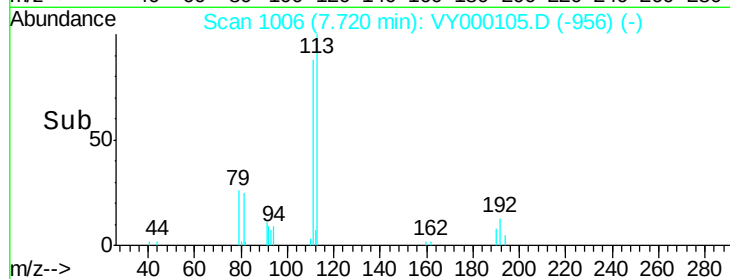
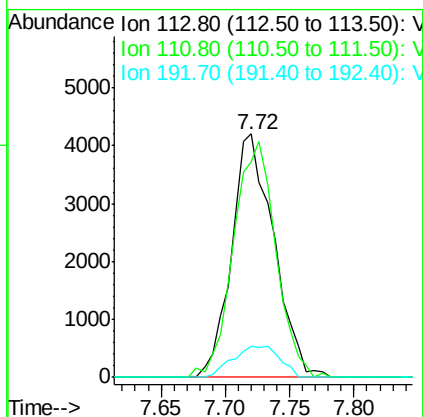
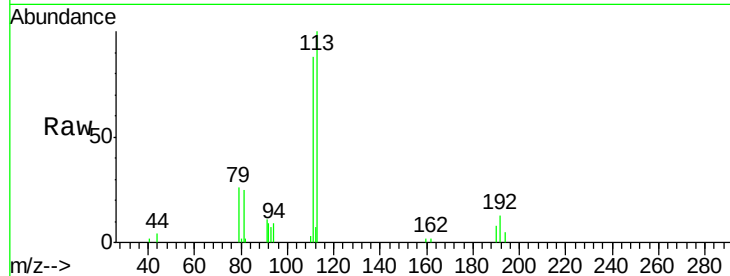




#35
 Dibromofluoromethane
 Concen: 46.791 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000105.D
 Acq: 20 Sep 2019 14:02

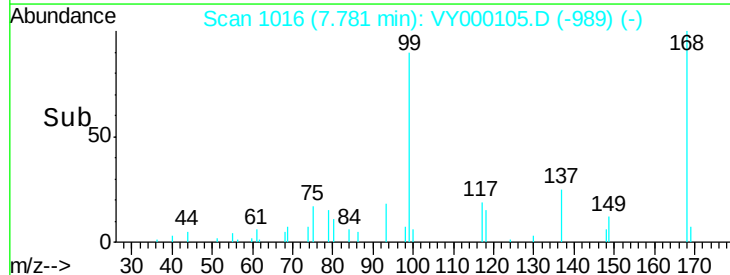
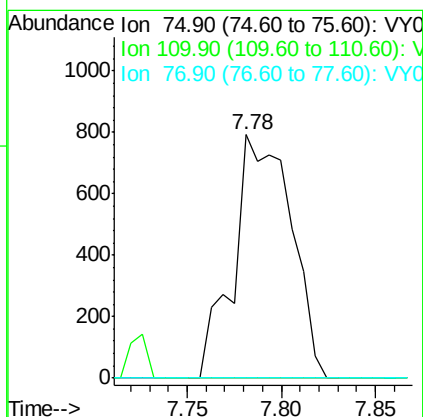
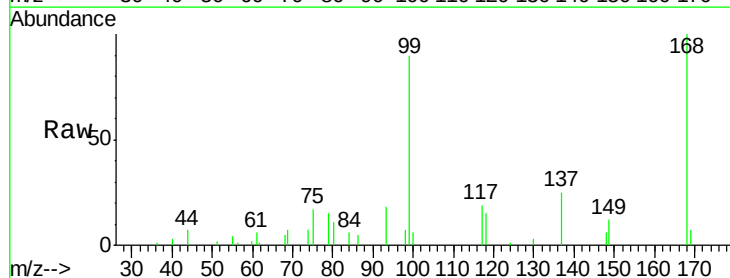
Instrument :
 MSVOA_Y
 ClientSampled :

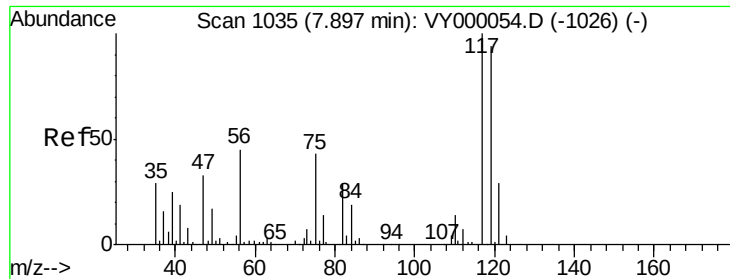
Tot Ion:113 Resp: 9575
 Ion Ratio Lower Upper
 113 100
 111 96.6 81.7 122.5
 192 14.2 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 6.632 ug/l
 RT: 7.78 min Scan# 1016
 Delta R.T. -0.13 min
 Lab File: VY000105.D
 Acq: 20 Sep 2019 14:02

Tgt Ion: 75 Resp: 1676
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.6 58.7#
 77 0.0 24.3 36.5#

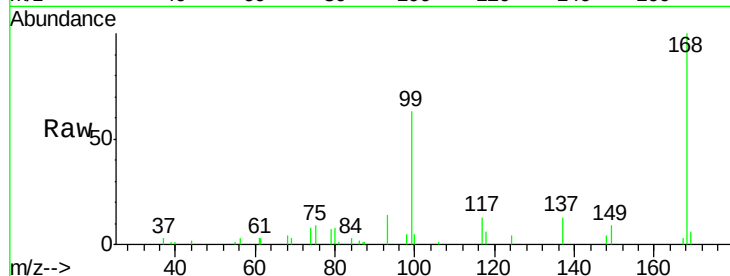




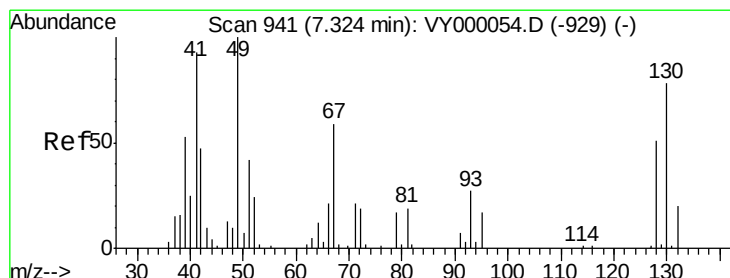
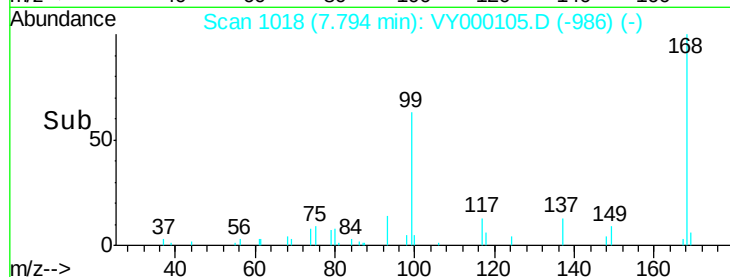
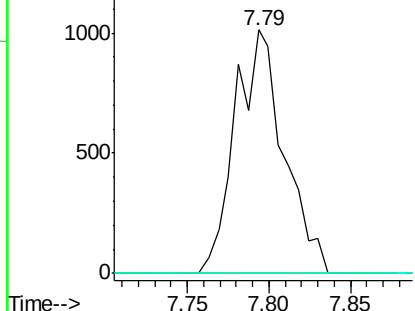
#38
Carbon Tetrachloride
Concen: 8.851 ug/l
RT: 7.79 min Scan# 1018
Delta R.T. -0.10 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 2111
Ion Ratio Lower Upper
117 100
119 0.0 75.0 112.6#
121 0.0 22.8 34.2#



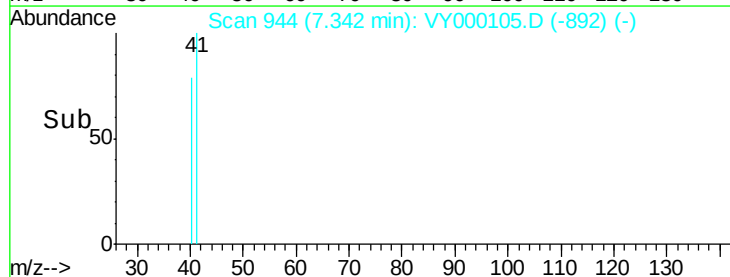
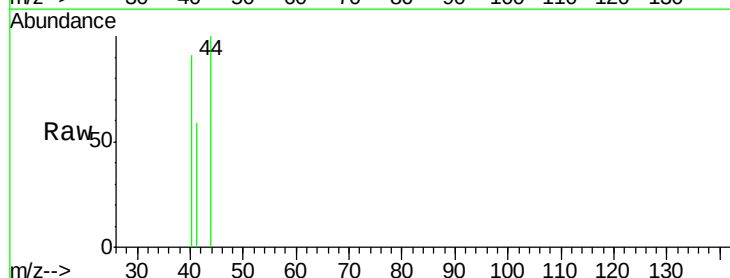
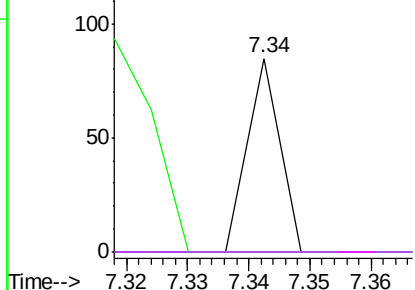
Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

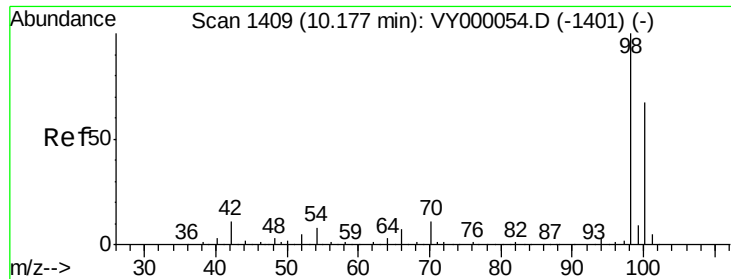


#41
Methacrylonitrile
Concen: 4.525 ug/l
RT: 7.34 min Scan# 944
Delta R.T. 0.02 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

Tgt Ion: 41 Resp: 31
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

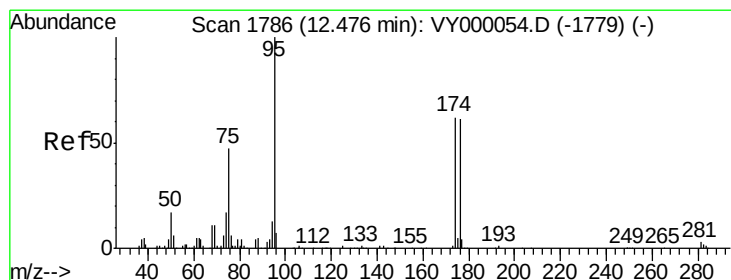
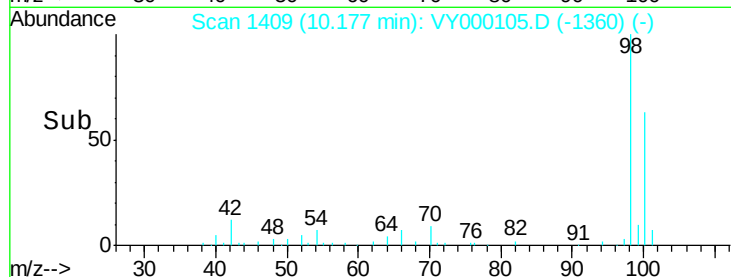
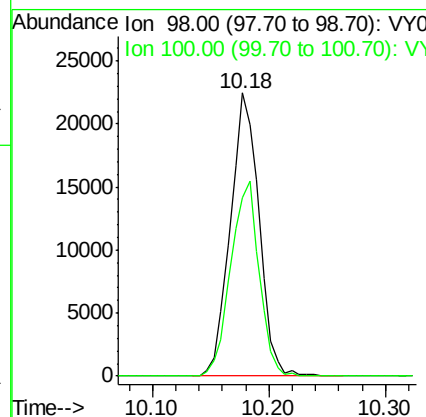
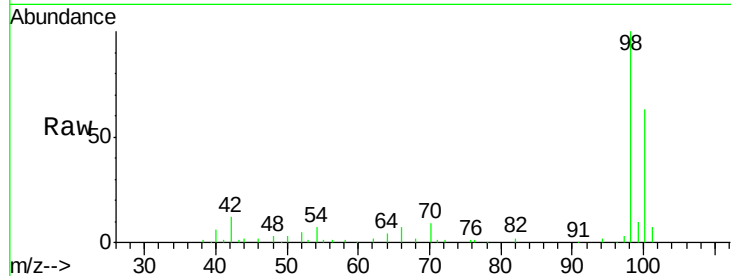




#50
Toluene-d8
Concen: 47.869 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

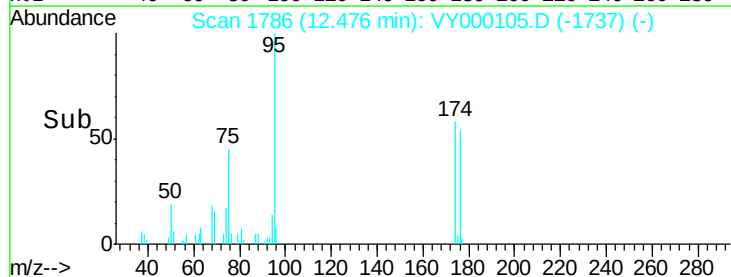
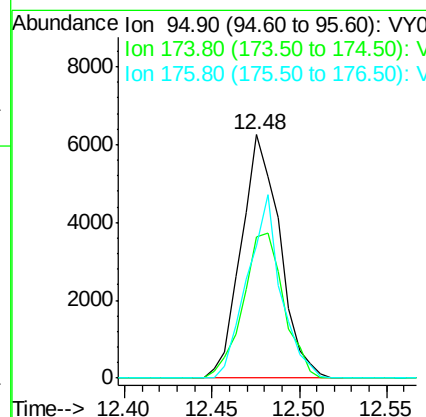
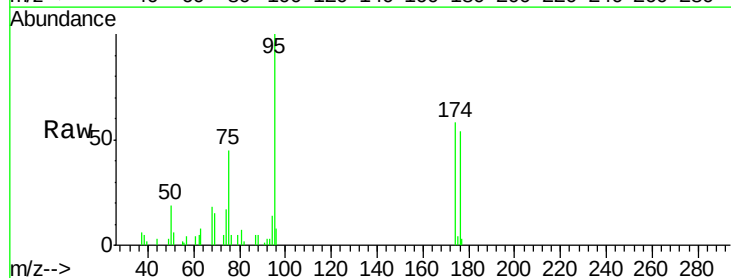
Instrument :
MSVOA_Y
ClientSampled :

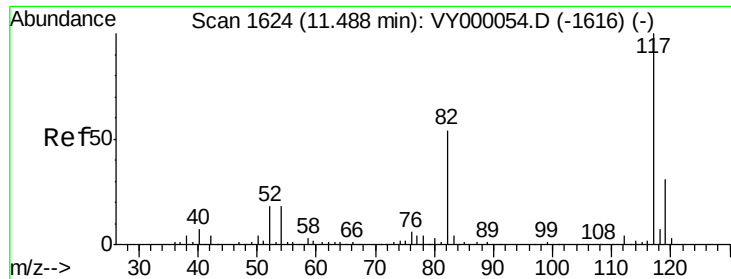
Tot Ion: 98 Resp: 38474
Ion Ratio Lower Upper
98 100
100 68.2 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 32.262 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. 0.00 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

Tgt Ion: 95 Resp: 9627
Ion Ratio Lower Upper
95 100
174 62.6 0.0 137.2
176 65.0 0.0 135.0

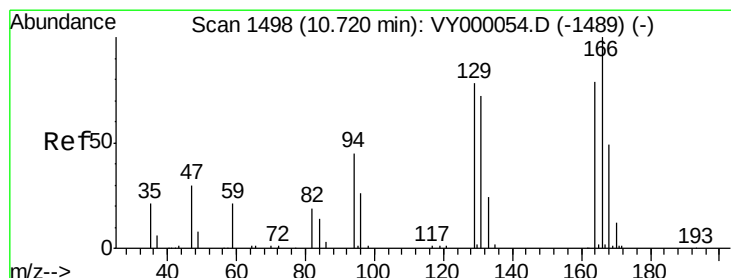
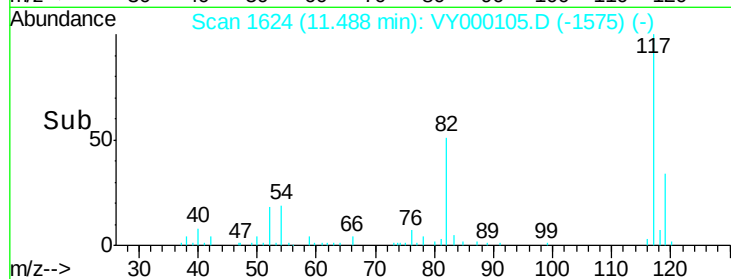
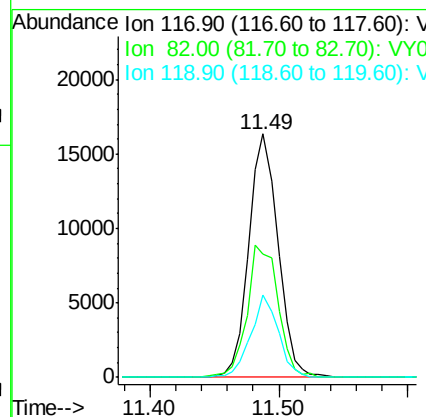
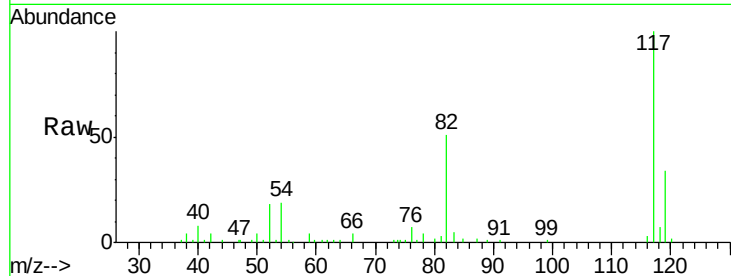




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

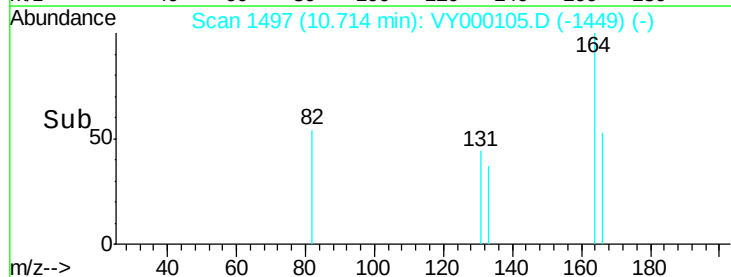
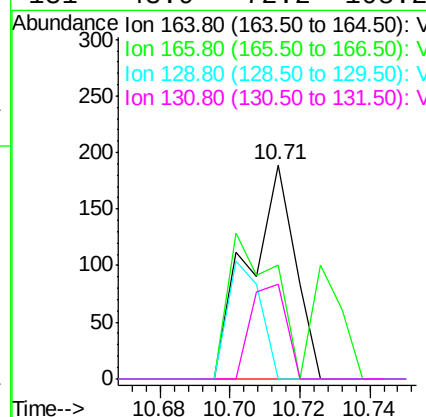
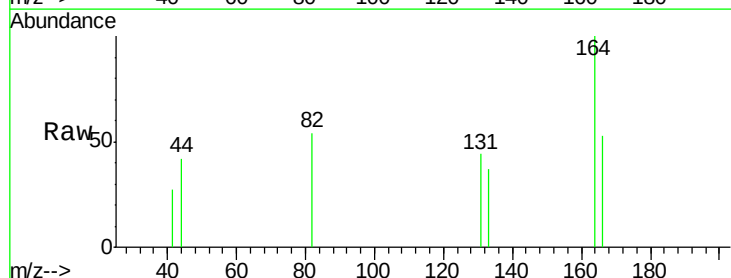
Instrument :
MSVOA_Y
ClientSampled :

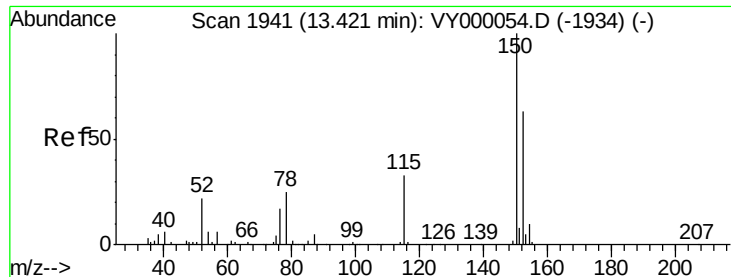
Tot Ion:117 Resp: 25524
Ion Ratio Lower Upper
117 100
82 50.7 43.5 65.3
119 34.0 24.6 36.8



#64
Tetrachloroethene
Concen: 1.080 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.01 min
Lab File: VY000105.D
Acq: 20 Sep 2019 14:02

Tgt Ion:164 Resp: 173
Ion Ratio Lower Upper
164 100
166 53.4 100.9 151.3#
129 0.0 78.4 117.6#
131 43.9 72.2 108.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VY000105.D

Acq: 20 Sep 2019 14:02

Instrument :

MSVOA_Y

ClientSampled :

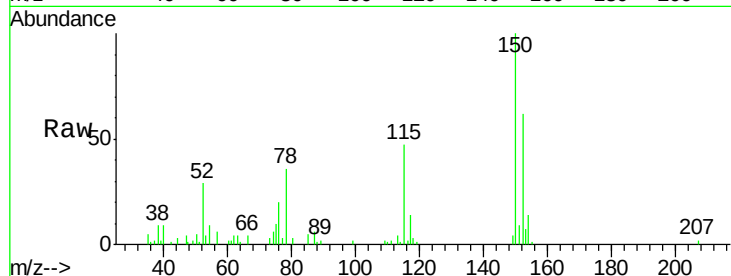
Tot Ion:152 Resp: 6944

Ion Ratio Lower Upper

152 100

115 61.3 30.7 92.1

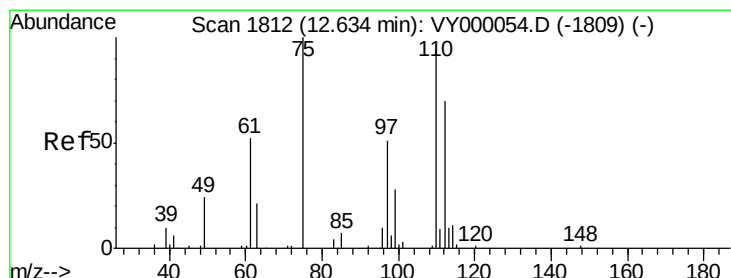
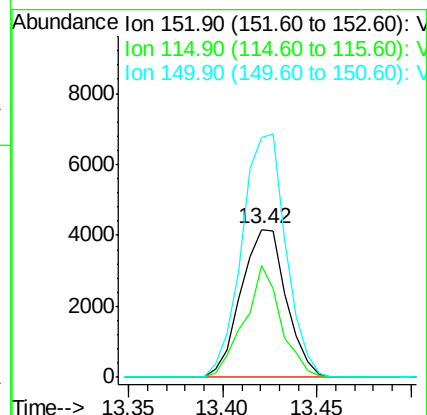
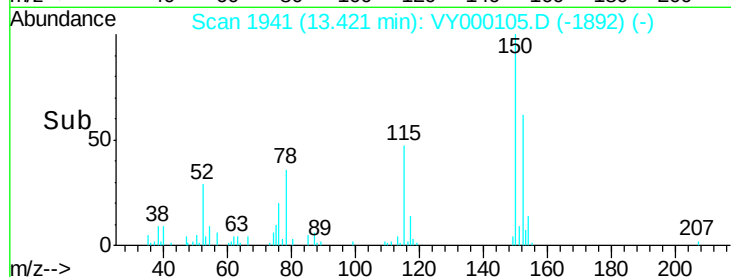
150 160.2 0.0 351.6



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: 51.514 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. -0.15 min

Lab File: VY000105.D

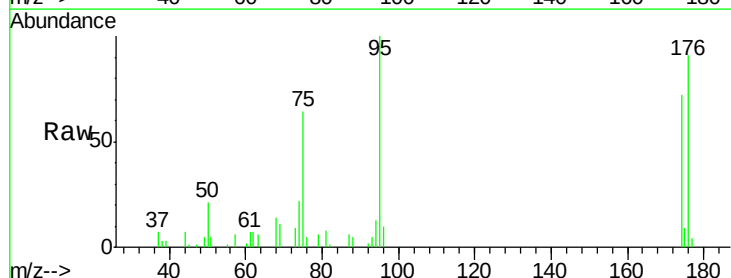
Acq: 20 Sep 2019 14:02

Tgt Ion: 75 Resp: 5033

Ion Ratio Lower Upper

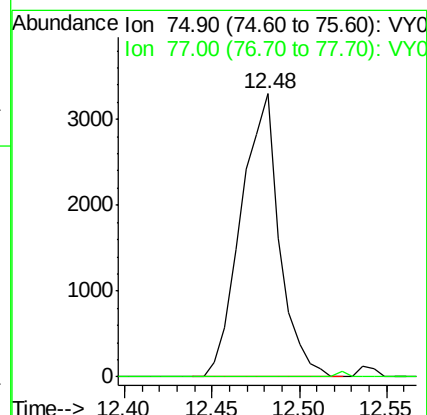
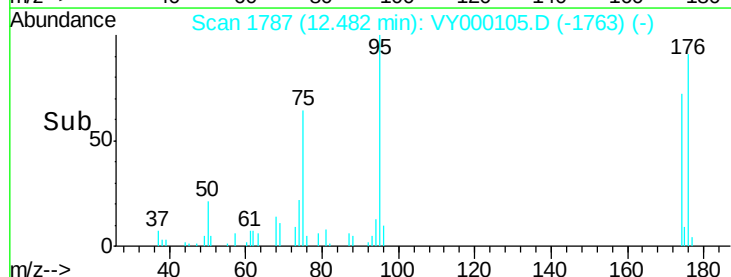
75 100

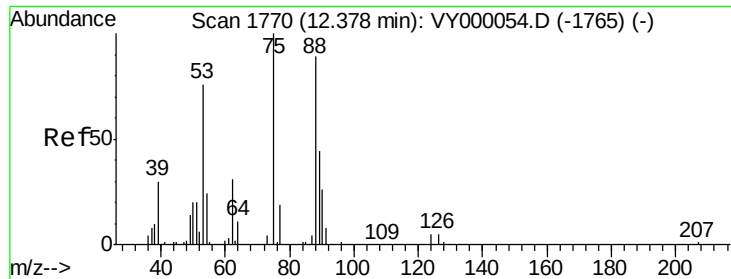
77 0.0 0.0 0.0



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: 99.074 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.10 min

Lab File: VY000105.D

Acq: 20 Sep 2019 14:02

Instrument :

MSVOA_Y

ClientSampleId :

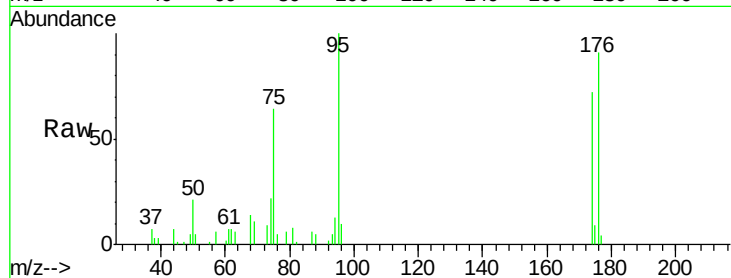
Tot Ion: 75 Resp: 5033

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

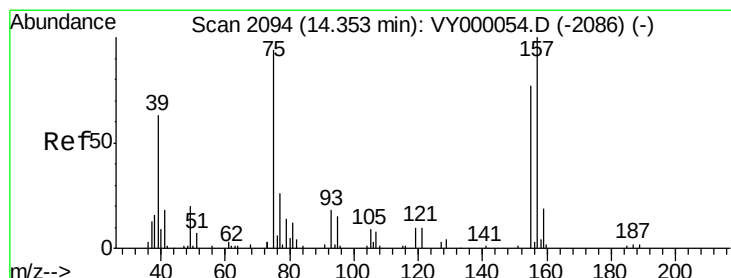
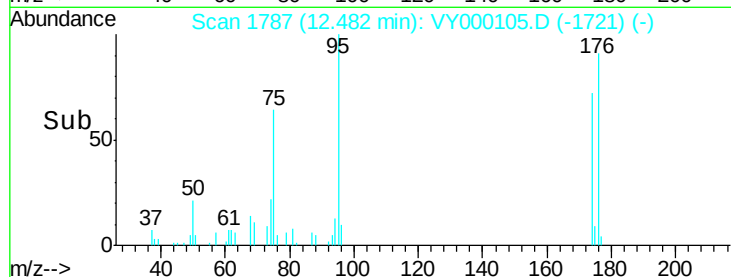
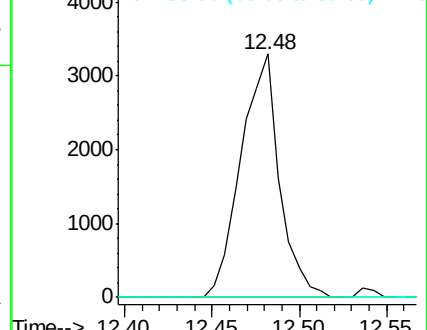
89 0.0 35.3 52.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.279 ug/l

RT: 14.27 min Scan# 2080

Delta R.T. -0.09 min

Lab File: VY000105.D

Acq: 20 Sep 2019 14:02

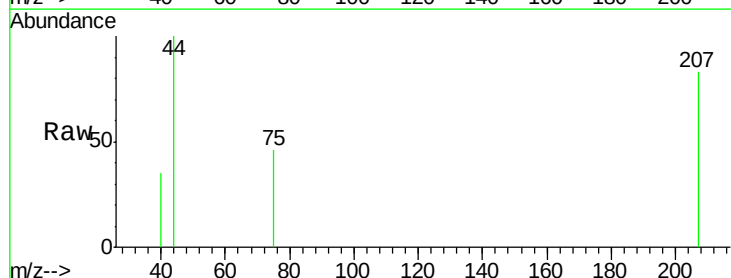
Tgt Ion: 75 Resp: 30

Ion Ratio Lower Upper

75 100

155 0.0 40.6 121.7#

157 0.0 52.9 158.8#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

