

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000106.D
 Acq On : 20 Sep 2019 14:25
 Operator : SY/MD
 Sample : K4862-09RE
 Misc : 4.83g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:47:35 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	86053	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	181419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	136536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	39644	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	54425	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
35) Dibromofluoromethane	7.73	113	50993	46.42	ug/l	0.01
Spiked Amount			Recovery	=	92.84%	
50) Toluene-d8	10.18	98	204324	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
62) 4-Bromofluorobenzene	12.48	95	55891	34.89	ug/l	0.00
Spiked Amount			Recovery	=	69.78%	

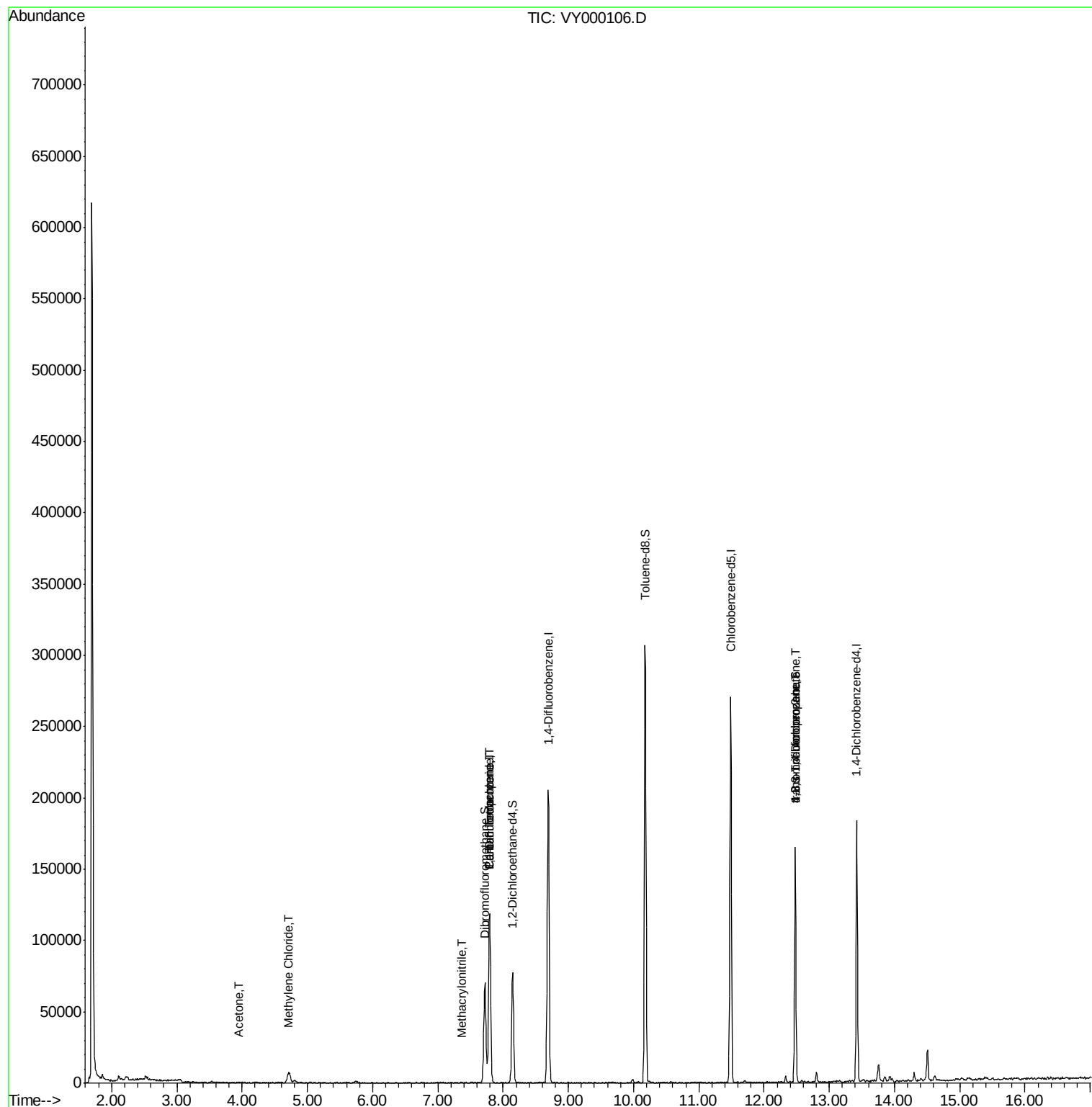
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	2498	Below Cal	#	87
5) Bromomethane	2.66	94	160	Below Cal	#	6
13) Acrolein	3.67	56	24	Below Cal	#	13
16) Acetone	3.94	43	438	1.900	ug/l #	33
17) Carbon Disulfide	4.20	76	295	Below Cal	#	77
20) Methylene Chloride	4.71	84	6055	5.584	ug/l #	87
31) Cyclohexane	7.79	56	2356	Below Cal	#	12
36) 1,1-Dichloropropene	7.79	75	7650	5.639	ug/l #	50
38) Carbon Tetrachloride	7.79	117	9624	7.517	ug/l #	17
41) Methacrylonitrile	7.35	41	60	4.386	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	29115	52.197	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	29115	100.388	ug/l #	19

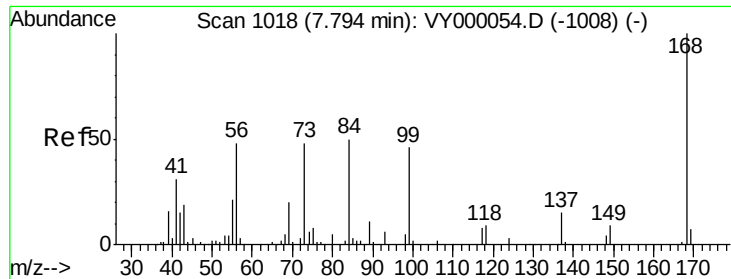
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
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QLast Update : Thu Sep 19 05:38:39 2019
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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: VY000106.D

Acq: 20 Sep 2019 14:25

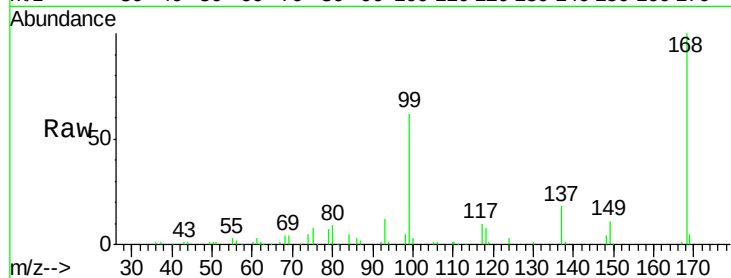
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 86053

Ion Ratio Lower Upper

168 100

99 62.4 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

40000

30000

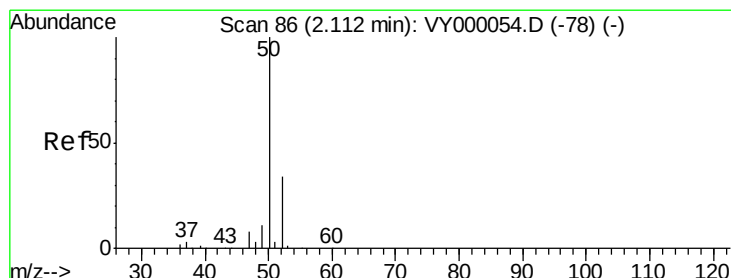
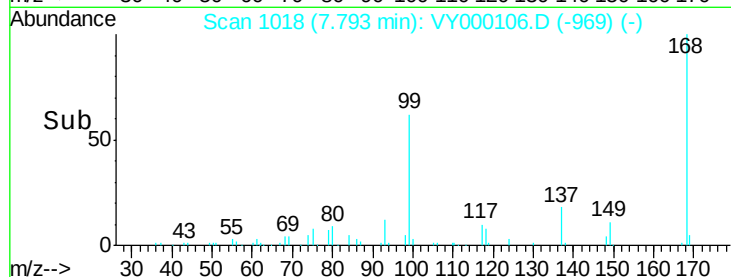
20000

10000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000106.D

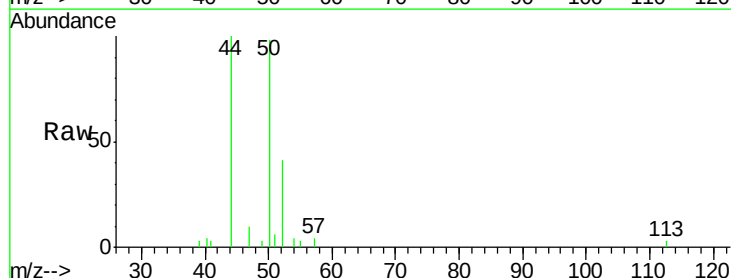
Acq: 20 Sep 2019 14:25

Tgt Ion: 50 Resp: 2498

Ion Ratio Lower Upper

50 100

52 41.8 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

2000

1500

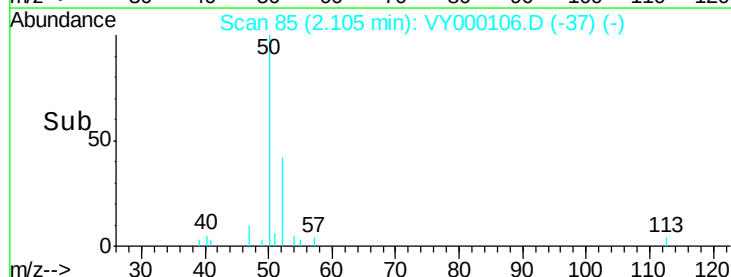
1000

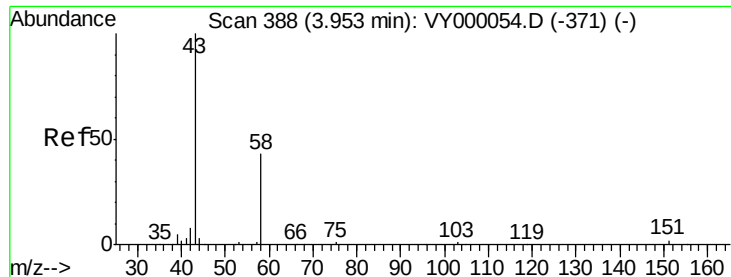
500

0

2.05 2.10 2.15

Time-->





#16

Acetone

Concen: 1.900 ug/l

RT: 3.94 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000106.D

Acq: 20 Sep 2019 14:25

Instrument :

MSVOA_Y

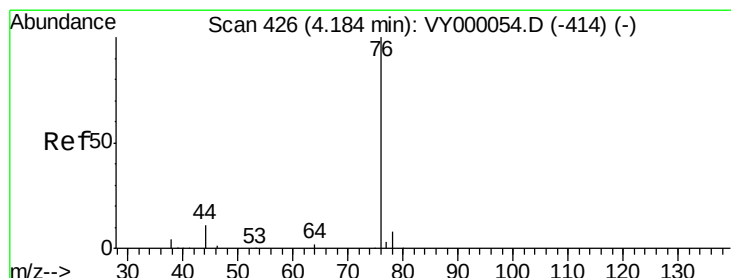
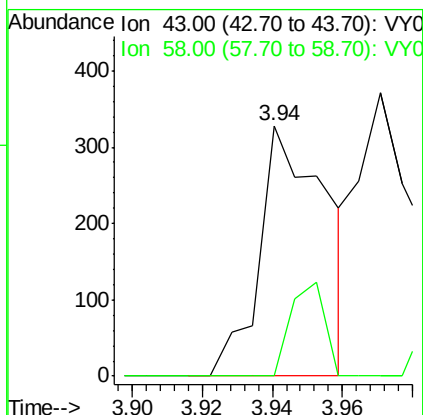
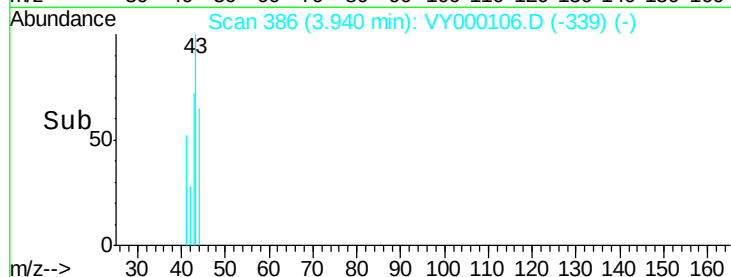
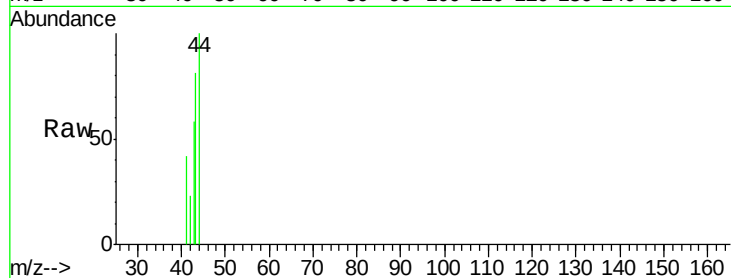
ClientSampled :

Tot Ion: 43 Resp: 438

Ion Ratio Lower Upper

43 100

58 0.0 34.5 51.7#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.20 min Scan# 428

Delta R.T. 0.01 min

Lab File: VY000106.D

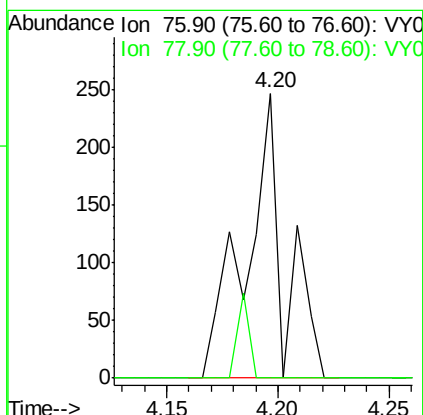
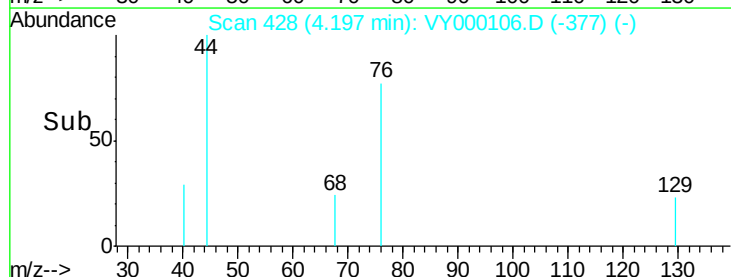
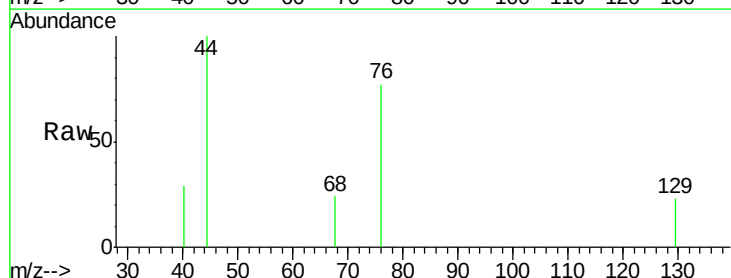
Acq: 20 Sep 2019 14:25

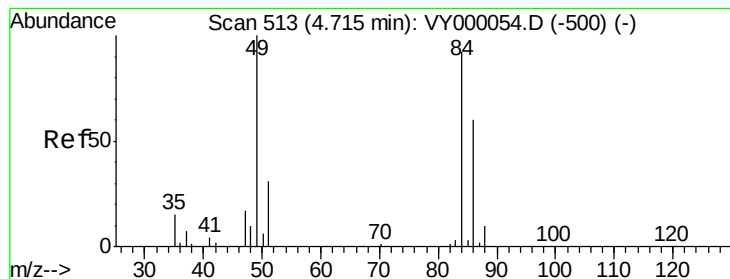
Tgt Ion: 76 Resp: 295

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#





#20

Methylene Chloride

Concen: 5.584 ug/l

RT: 4.71 min Scan# 513

Delta R.T. -0.00 min

Lab File: VY000106.D

Acq: 20 Sep 2019 14:25

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 6055

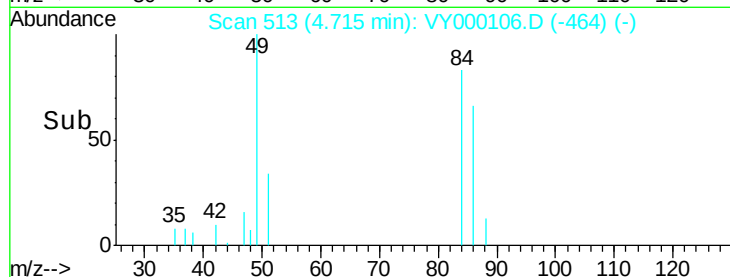
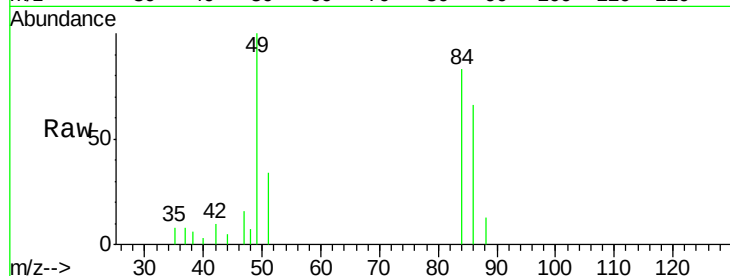
Ion Ratio Lower Upper

84 100

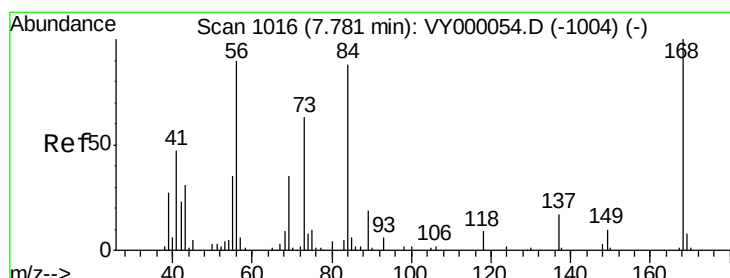
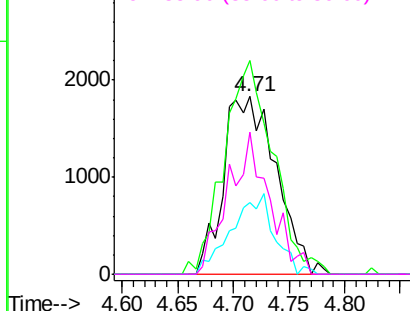
49 120.2 87.4 131.0

51 40.5 27.2 40.8

86 79.8 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# 1017

Delta R.T. 0.01 min

Lab File: VY000106.D

Acq: 20 Sep 2019 14:25

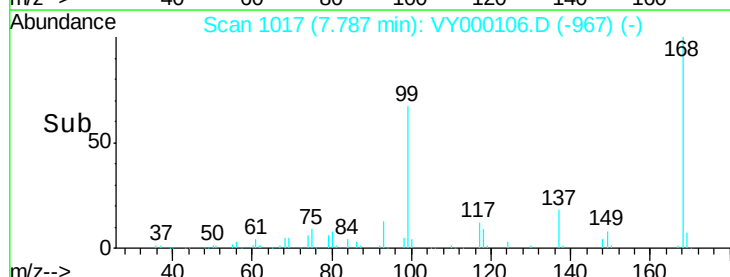
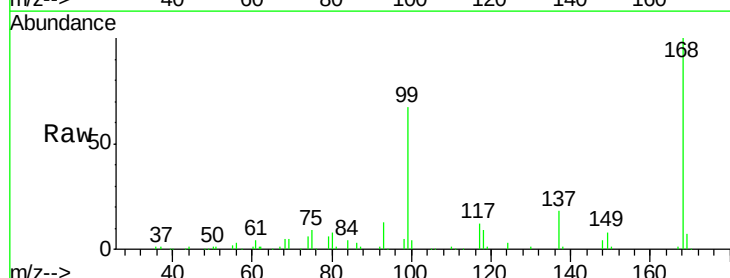
Tgt Ion: 56 Resp: 2356

Ion Ratio Lower Upper

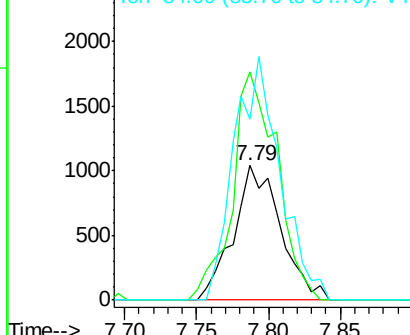
56 100

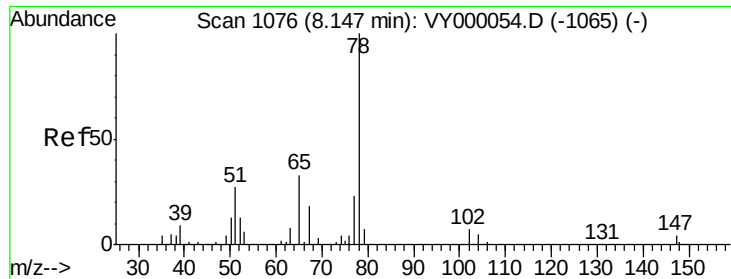
69 169.5 30.9 46.3#

84 135.1 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

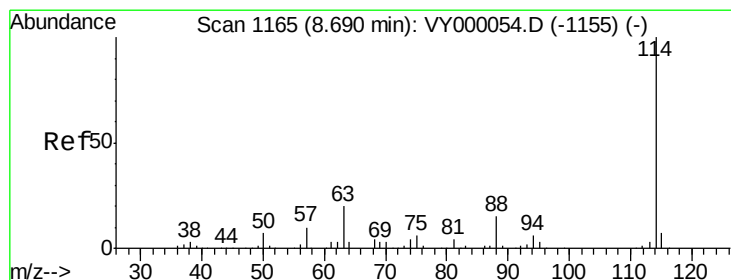
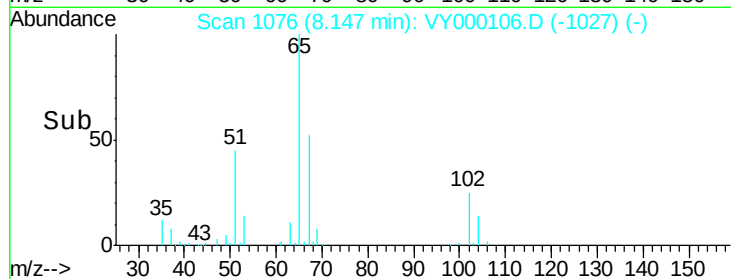
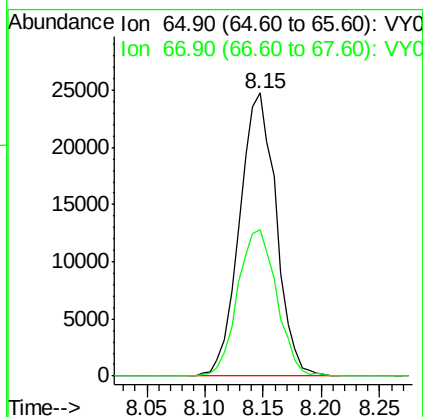
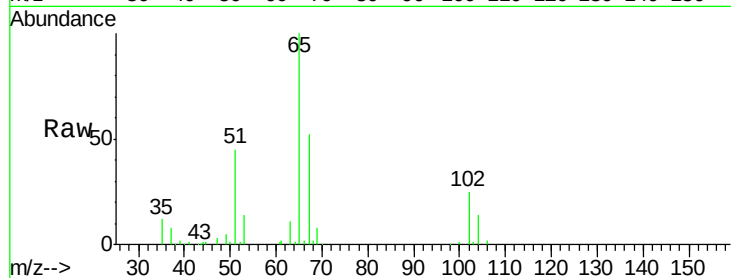




#33
 1,2-Dichloroethane-d4
 Concen: 54.972 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VY000106.D
 Acq: 20 Sep 2019 14:25

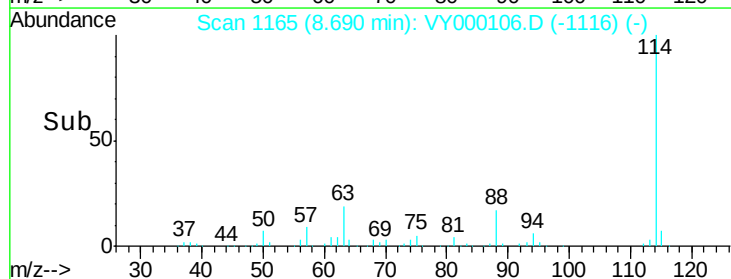
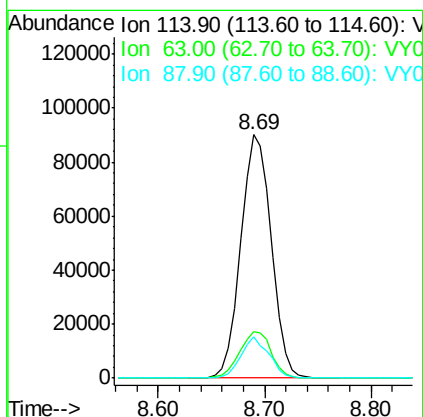
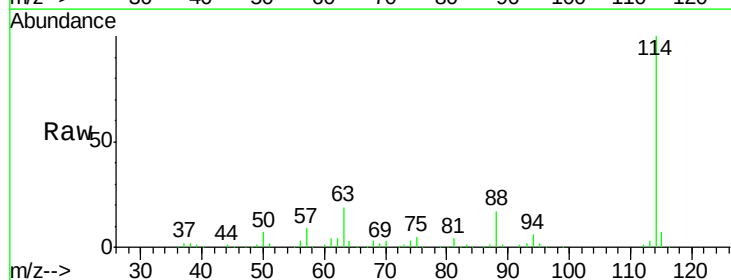
Instrument :
 MSVOA_Y
 ClientSampleId :

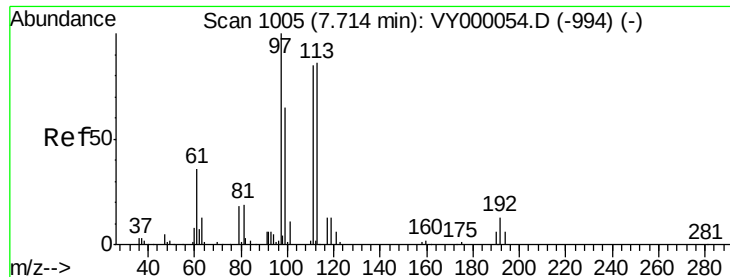
Tot Ion: 65 Resp: 54425
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000106.D
 Acq: 20 Sep 2019 14:25

Tgt Ion: 114 Resp: 181419
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.4
 88 17.2 0.0 30.2

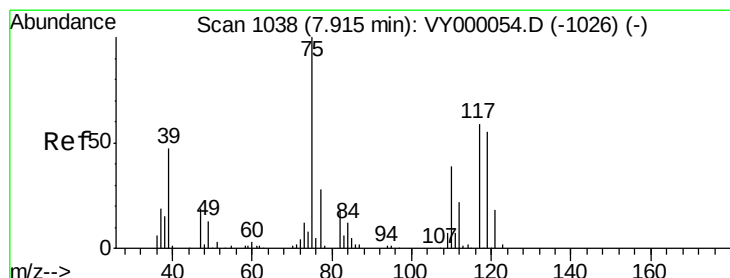
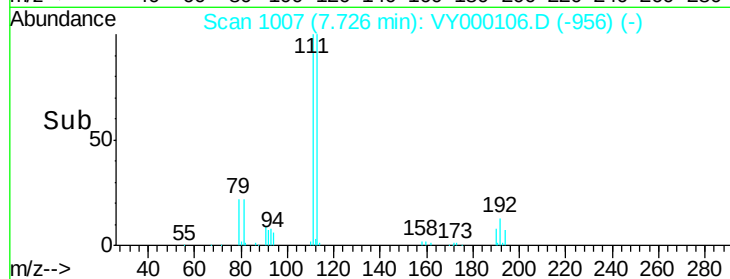
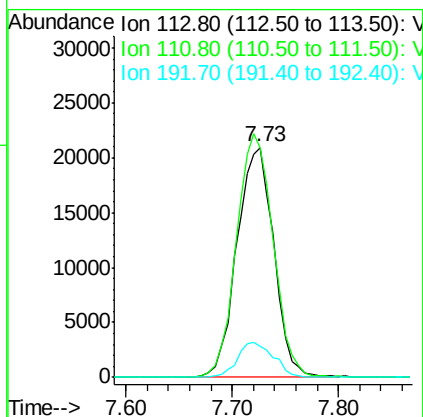
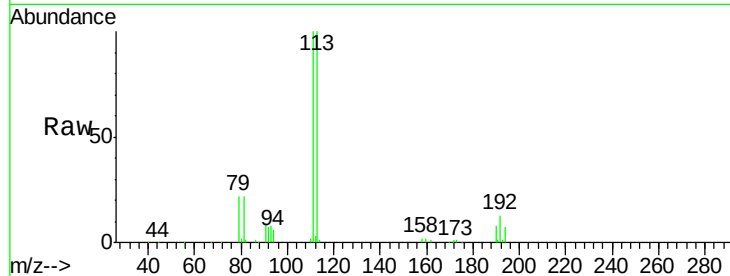




#35
 Dibromofluoromethane
 Concen: 46.423 ug/l
 RT: 7.73 min Scan# 1007
 Delta R.T. 0.01 min
 Lab File: VY000106.D
 Acq: 20 Sep 2019 14:25

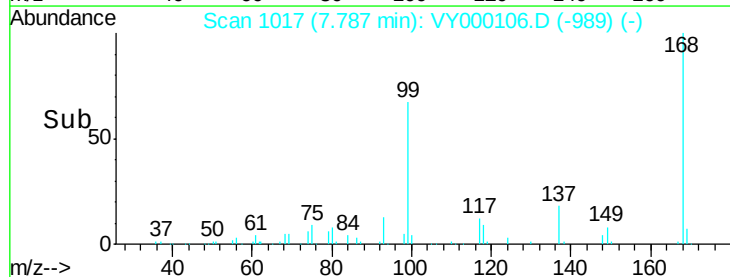
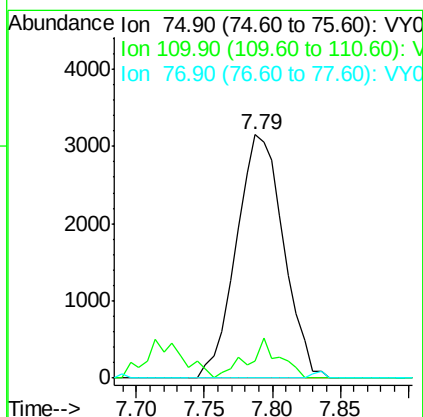
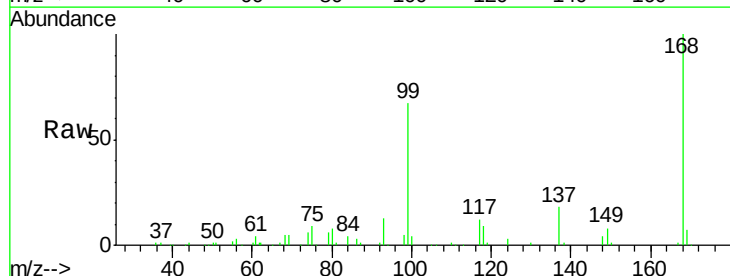
Instrument :
 MSVOA_Y
 ClientSampleId :

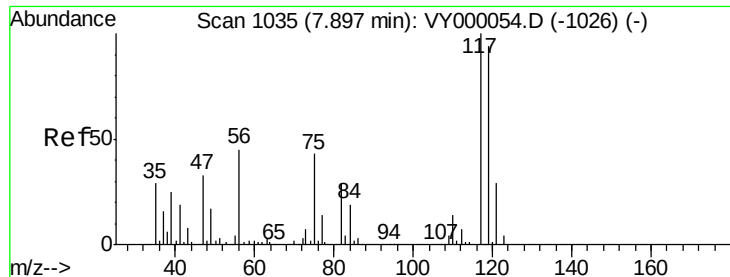
Tot Ion:113 Resp: 50993
 Ion Ratio Lower Upper
 113 100
 111 105.5 81.7 122.5
 192 14.7 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 5.639 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000106.D
 Acq: 20 Sep 2019 14:25

Tgt Ion: 75 Resp: 7650
 Ion Ratio Lower Upper
 75 100
 110 10.8 19.6 58.7#
 77 0.0 24.3 36.5#

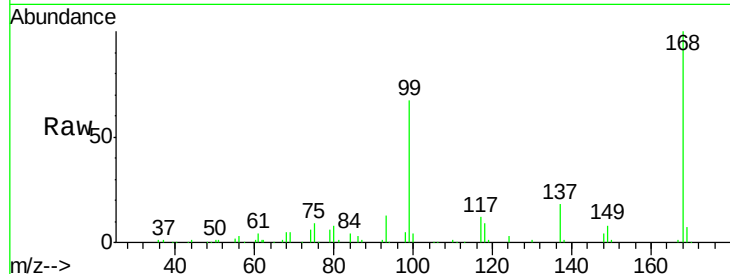




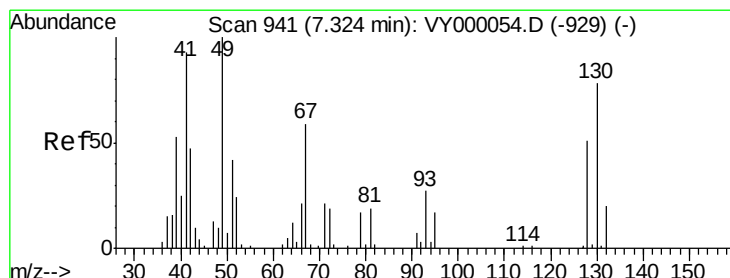
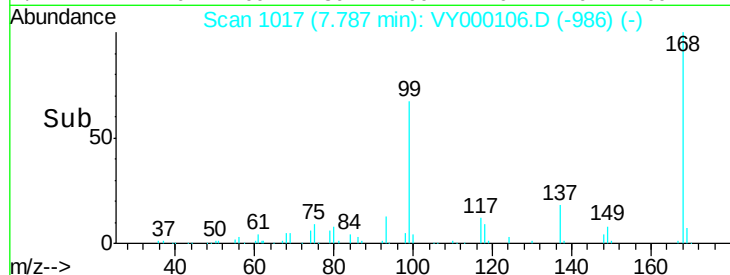
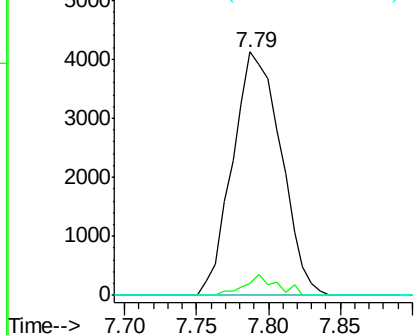
#38
Carbon Tetrachloride
Concen: 7.517 ug/l
RT: 7.79 min Scan# 1017
Delta R.T. -0.11 min
Lab File: VY000106.D
Acq: 20 Sep 2019 14:25

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 9624
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 22.8 34.2#

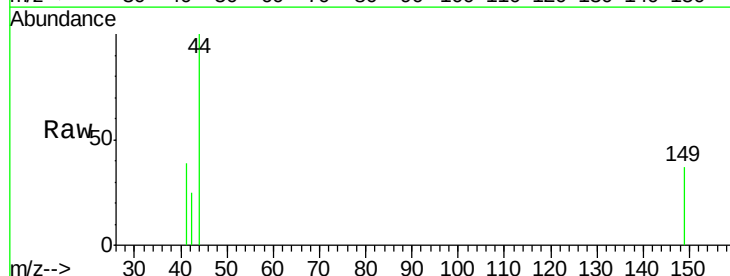


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

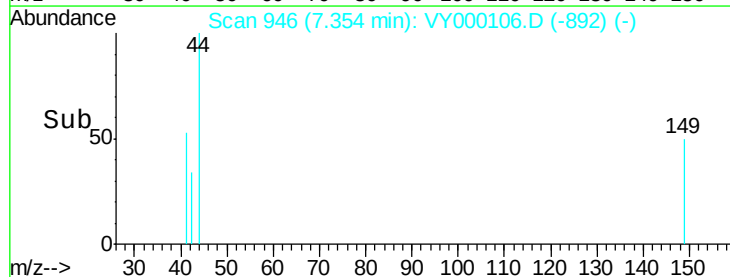
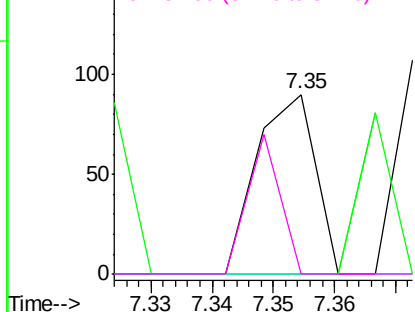


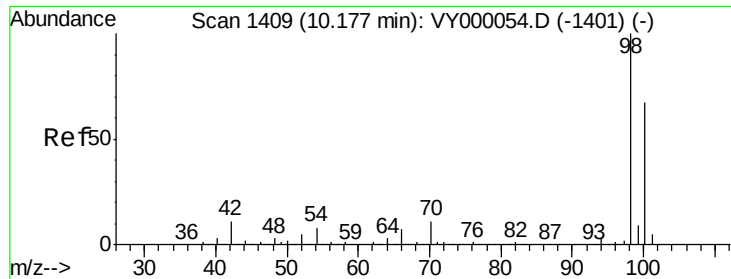
#41
Methacrylonitrile
Concen: 4.386 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.03 min
Lab File: VY000106.D
Acq: 20 Sep 2019 14:25

Tgt Ion: 41 Resp: 60
Ion Ratio Lower Upper
41 100
39 0.0 91.8 137.6#
67 0.0 0.0 0.0
52 43.3 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: 47.359 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000106.D

Acq: 20 Sep 2019 14:25

Instrument :

MSVOA_Y

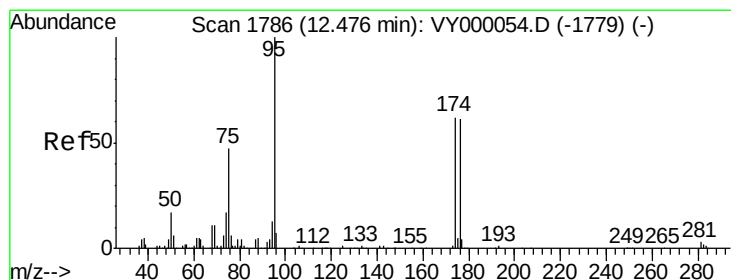
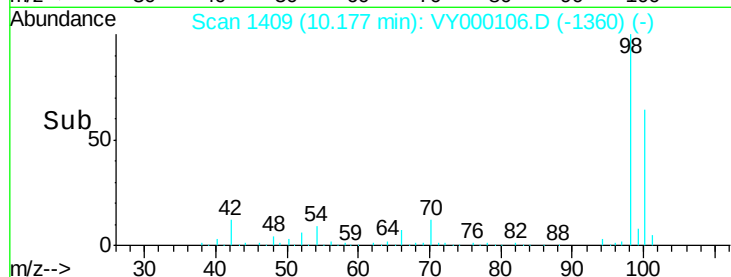
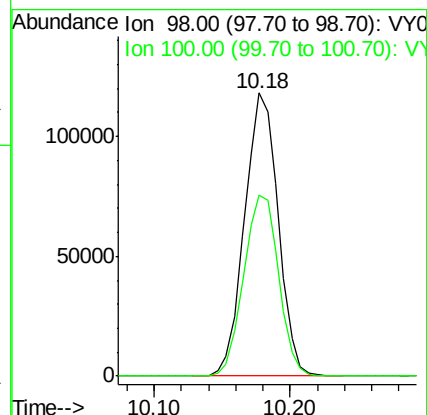
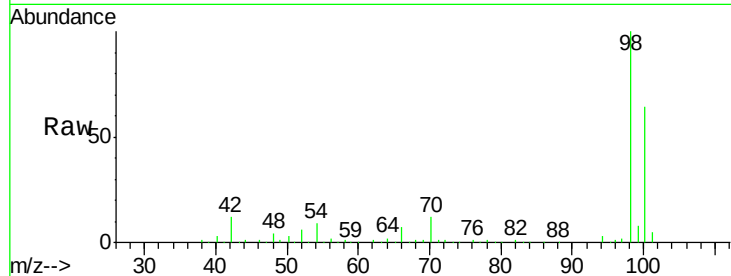
ClientSampled :

Tot Ion: 98 Resp: 204324

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 34.892 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000106.D

Acq: 20 Sep 2019 14:25

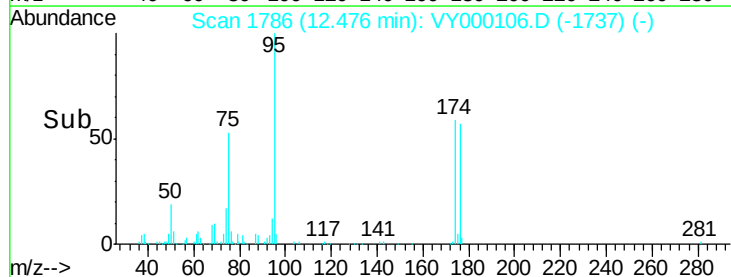
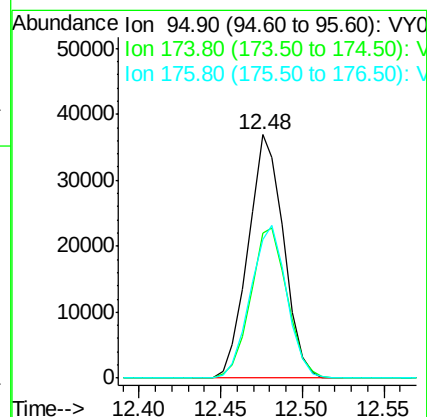
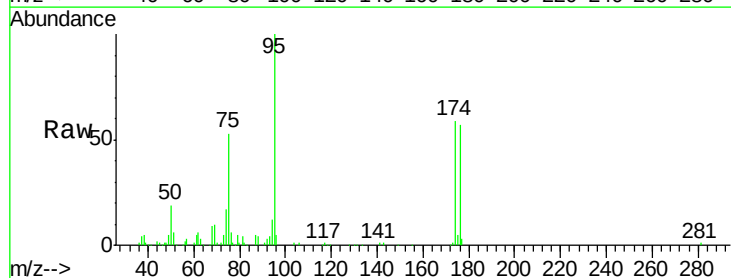
Tgt Ion: 95 Resp: 55891

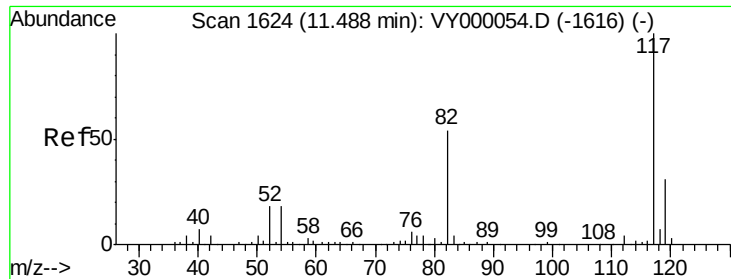
Ion Ratio Lower Upper

95 100

174 63.5 0.0 137.2

176 63.8 0.0 135.0

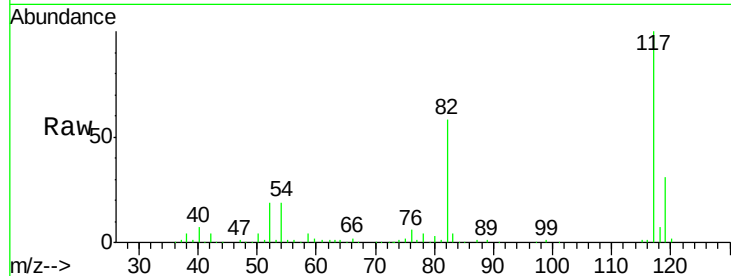




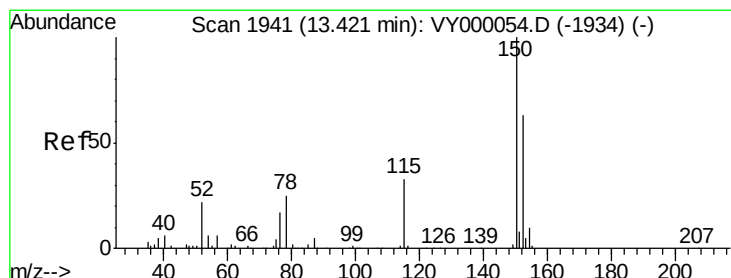
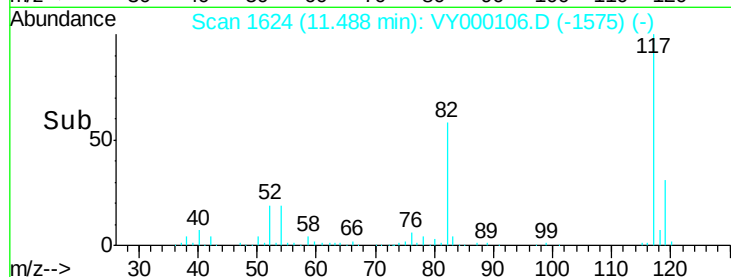
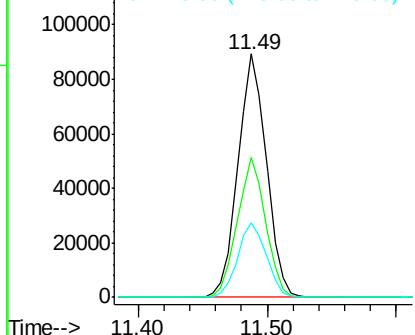
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000106.D
Acq: 20 Sep 2019 14:25

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 136536
Ion Ratio Lower Upper
117 100
82 57.7 43.5 65.3
119 30.9 24.6 36.8

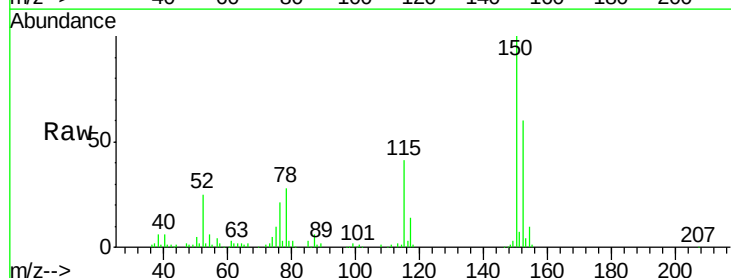


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

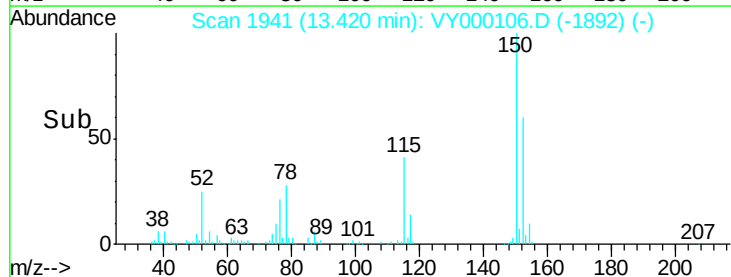
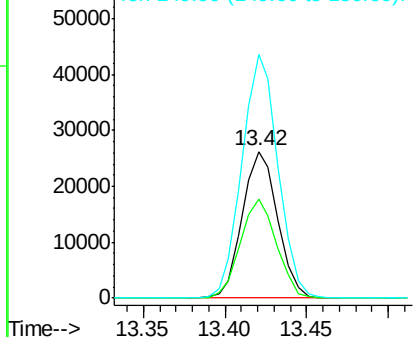


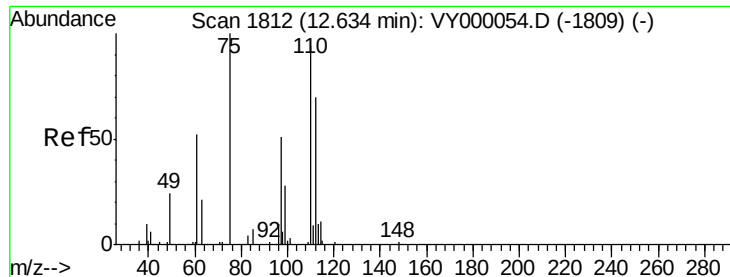
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000106.D
Acq: 20 Sep 2019 14:25

Tgt Ion:152 Resp: 39644
Ion Ratio Lower Upper
152 100
115 68.6 30.7 92.1
150 169.1 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: 52.197 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.16 min

Lab File: VY000106.D

Acq: 20 Sep 2019 14:25

Instrument :

MSVOA_Y

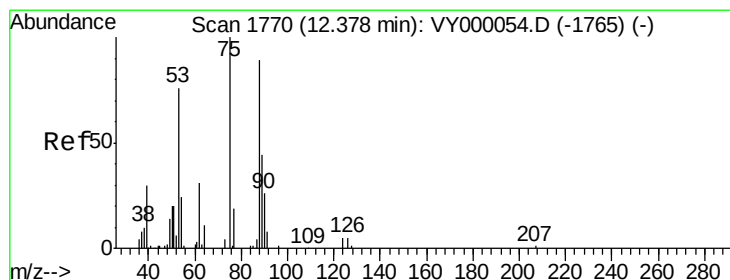
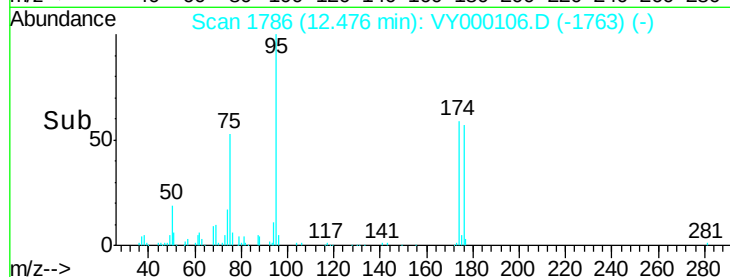
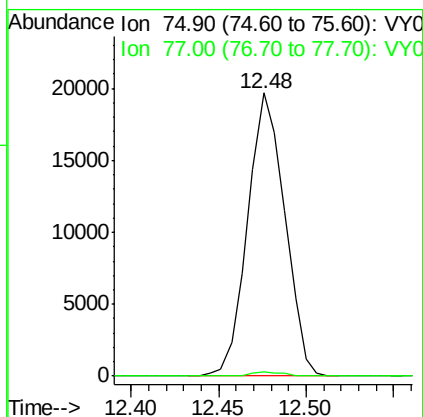
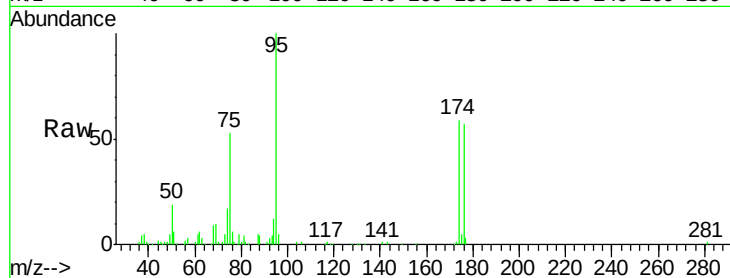
ClientSampled :

Tot Ion: 75 Resp: 29115

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.388 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.10 min

Lab File: VY000106.D

Acq: 20 Sep 2019 14:25

Tgt Ion: 75 Resp: 29115

Ion Ratio Lower Upper

75 100

53 0.0 60.9 91.3#

89 0.0 35.3 52.9#

