

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000103.D
 Acq On : 20 Sep 2019 13:16
 Operator : SY/MD
 Sample : K4863-12
 Misc : 7.02g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:47:05 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	92996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	186220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	146807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	45091	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	56566	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
35) Dibromofluoromethane	7.72	113	54052	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	10.18	98	223026	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.48	95	60575	36.84	ug/l	0.00
Spiked Amount			Recovery	=	73.68%	

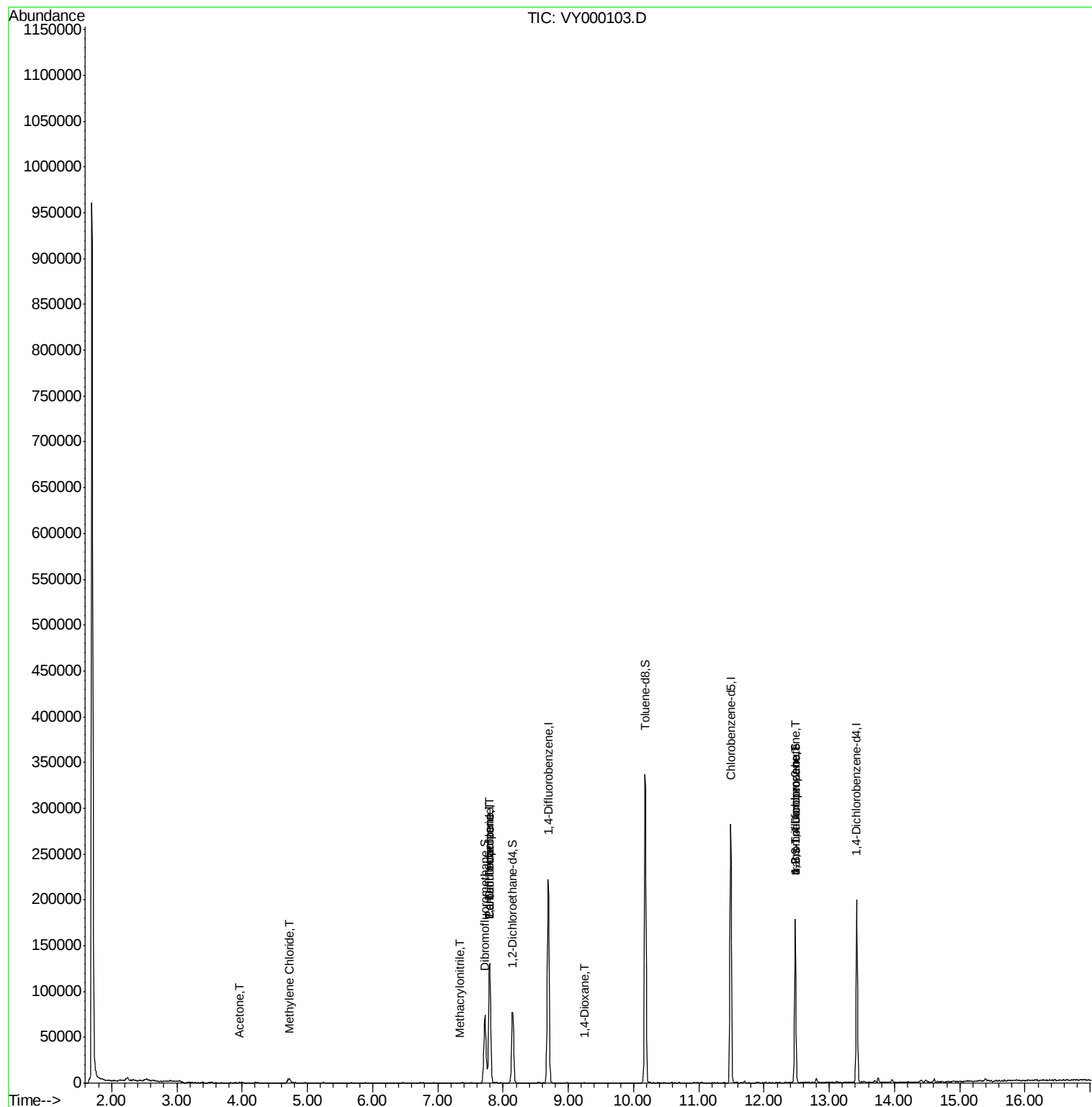
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	40	Below Cal	#	42
3) Chloromethane	2.11	50	856	Below Cal	#	71
5) Bromomethane	2.64	94	154	Below Cal	#	6
13) Acrolein	3.79	56	22	Below Cal	#	13
16) Acetone	3.96	43	438	1.758	ug/l #	33
17) Carbon Disulfide	4.19	76	353	Below Cal	#	77
20) Methylene Chloride	4.72	84	3446	2.941	ug/l #	79
31) Cyclohexane	7.79	56	2518	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	8338	5.988	ug/l #	47
38) Carbon Tetrachloride	7.79	117	9110	6.932	ug/l #	18
41) Methacrylonitrile	7.34	41	37	4.355	ug/l #	1
49) 1,4-Dioxane	9.24	88	57	4.512	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	31429	49.539	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	31429	95.276	ug/l #	19

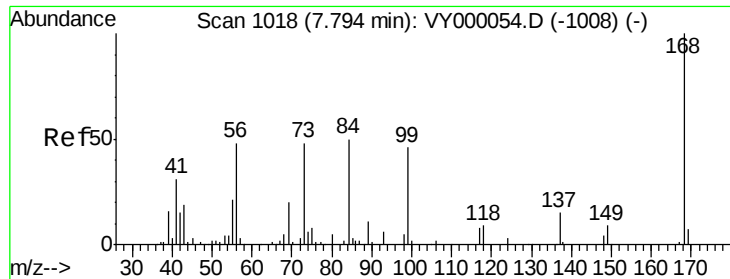
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000103.D

Acq: 20 Sep 2019 13:16

Instrument :

MSVOA_Y

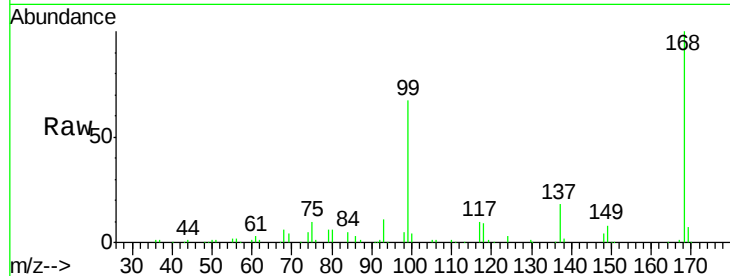
ClientSampleId :

Tot Ion:168 Resp: 92996

Ion Ratio Lower Upper

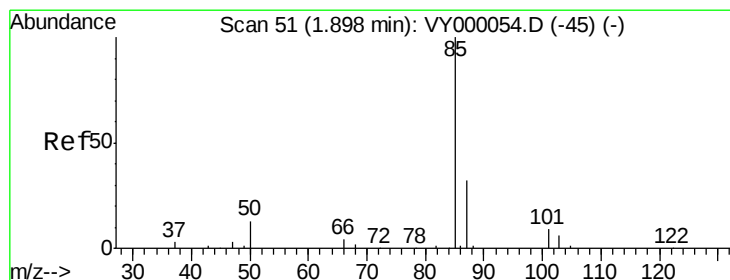
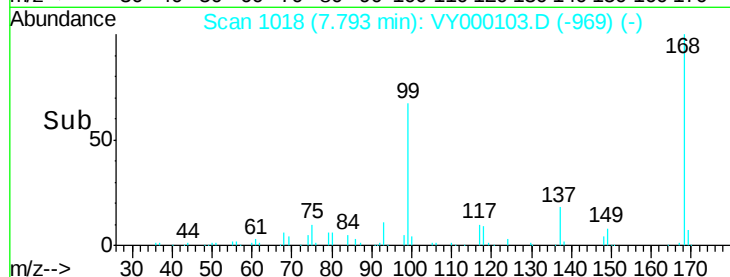
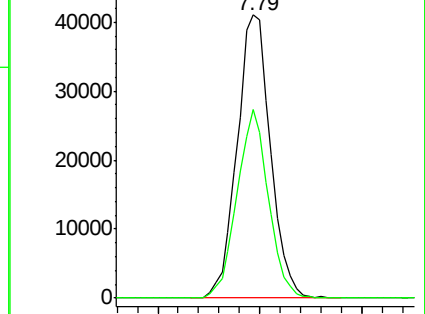
168 100

99 66.8 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) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 52

Delta R.T. 0.01 min

Lab File: VY000103.D

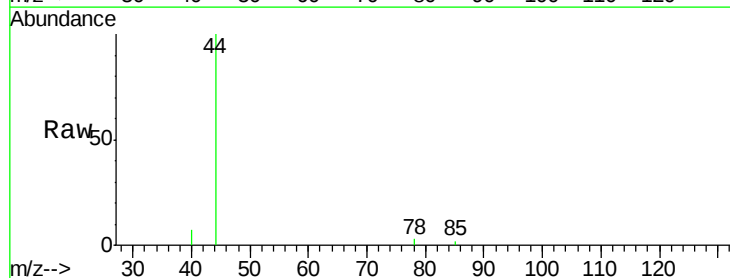
Acq: 20 Sep 2019 13:16

Tgt Ion: 85 Resp: 40

Ion Ratio Lower Upper

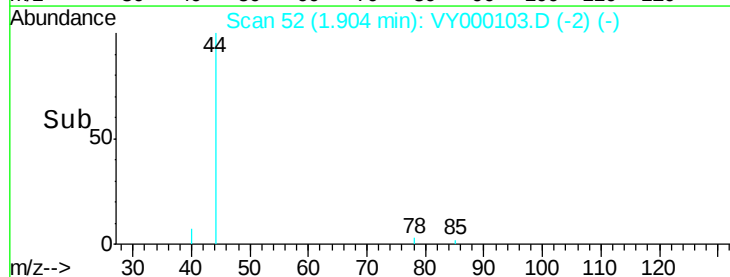
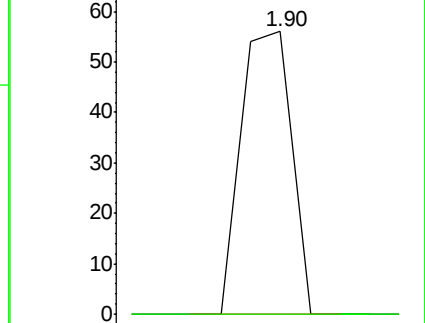
85 100

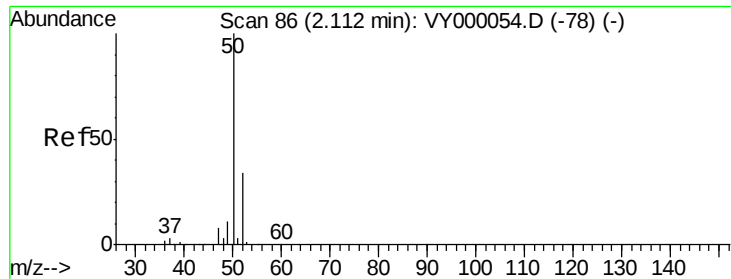
87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000054.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000054.D (-45) (-)





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000103.D

Acq: 20 Sep 2019 13:16

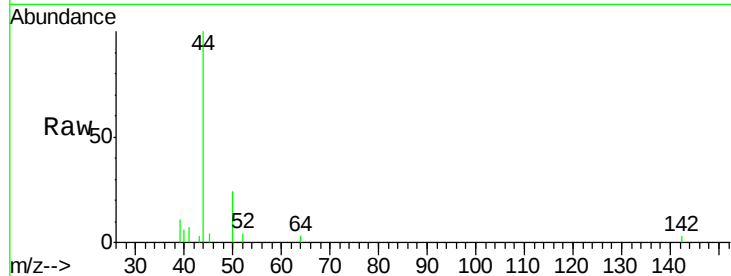
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 50 Resp: 856

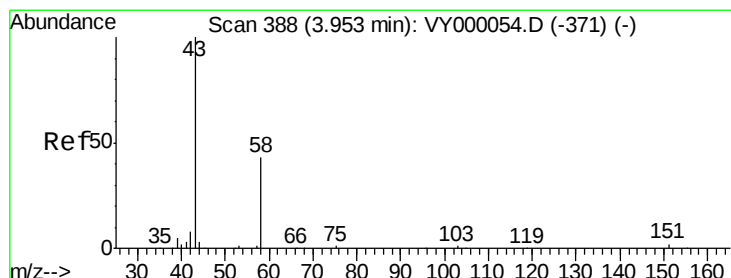
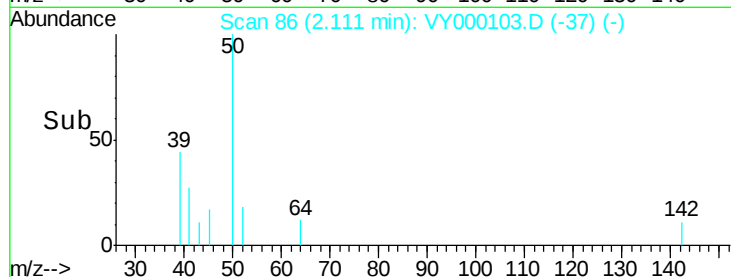
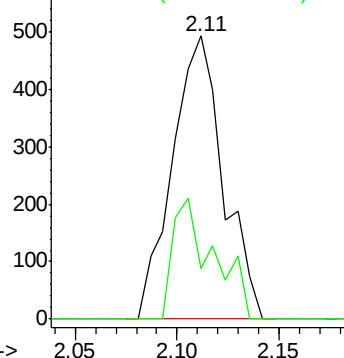
Ion Ratio Lower Upper

50 100

52 17.6 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: 1.758 ug/l

RT: 3.96 min Scan# 390

Delta R.T. 0.01 min

Lab File: VY000103.D

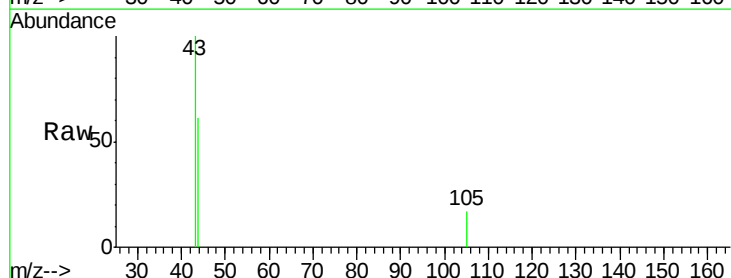
Acq: 20 Sep 2019 13:16

Tgt Ion: 43 Resp: 438

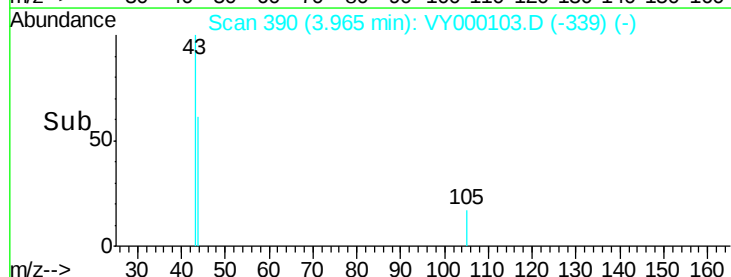
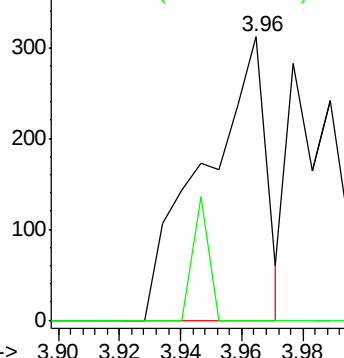
Ion Ratio Lower Upper

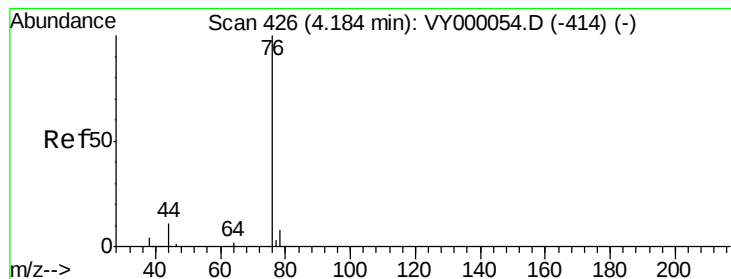
43 100

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





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000103.D

Acq: 20 Sep 2019 13:16

Instrument :

MSVOA_Y

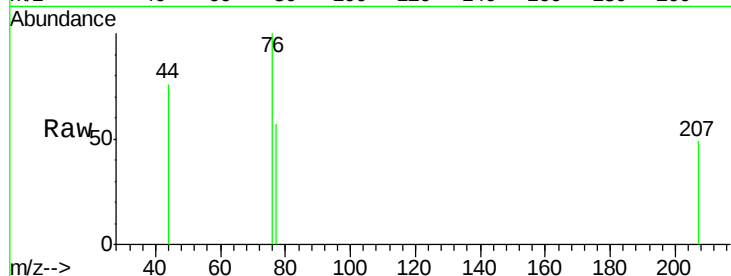
ClientSampleId :

Tot Ion: 76 Resp: 353

Ion Ratio Lower Upper

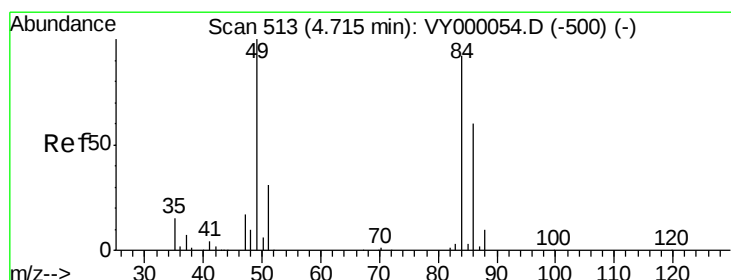
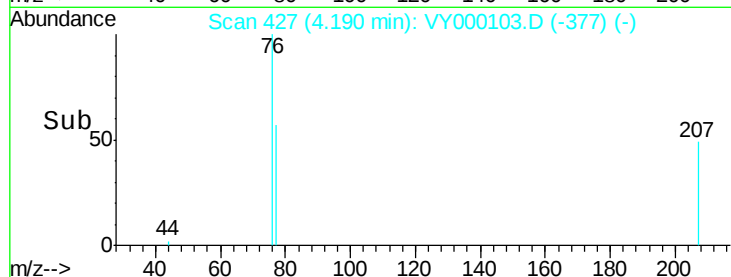
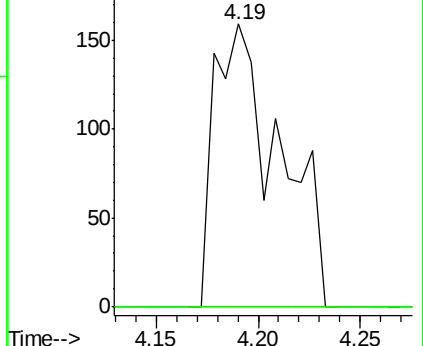
76 100

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



#20

Methylene Chloride

Concen: 2.941 ug/l

RT: 4.72 min Scan# 514

Delta R.T. 0.01 min

Lab File: VY000103.D

Acq: 20 Sep 2019 13:16

Tgt Ion: 84 Resp: 3446

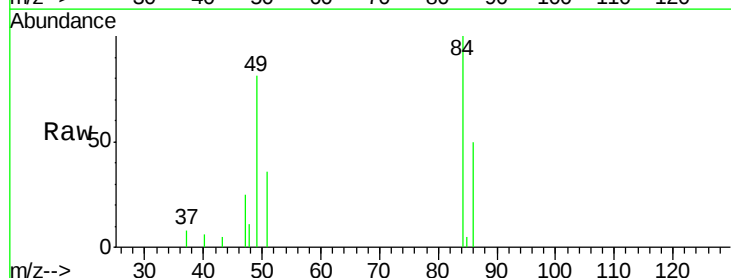
Ion Ratio Lower Upper

84 100

49 81.2 87.4 131.0#

51 35.8 27.2 40.8

86 50.4 52.8 79.2#

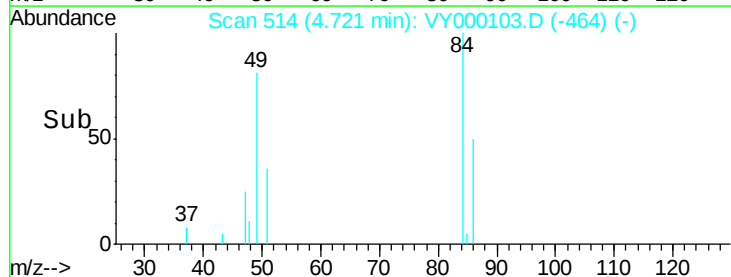
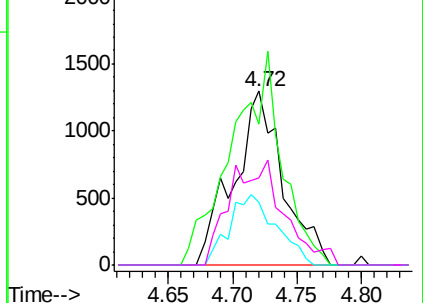


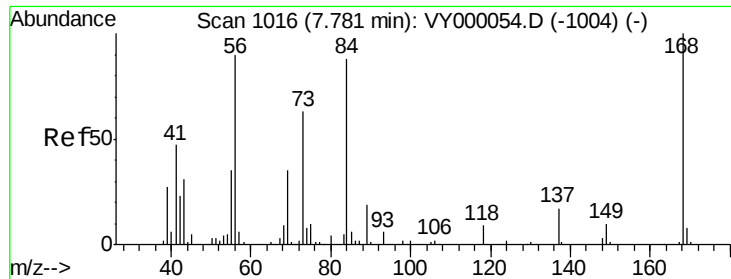
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

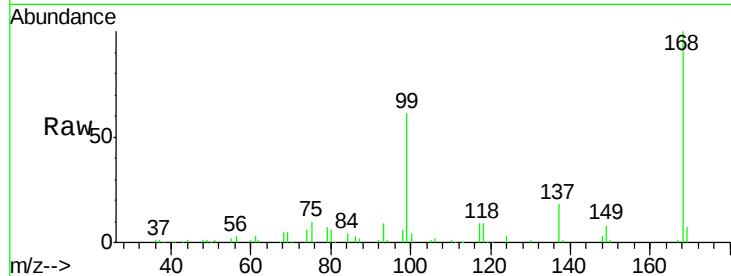




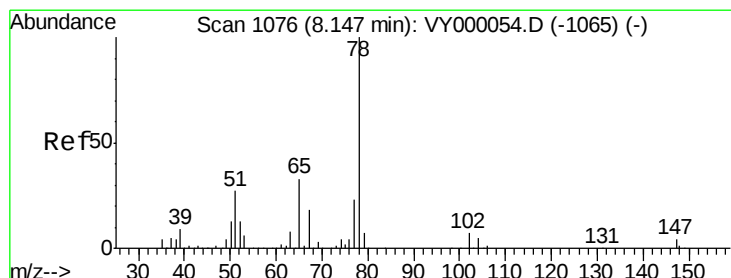
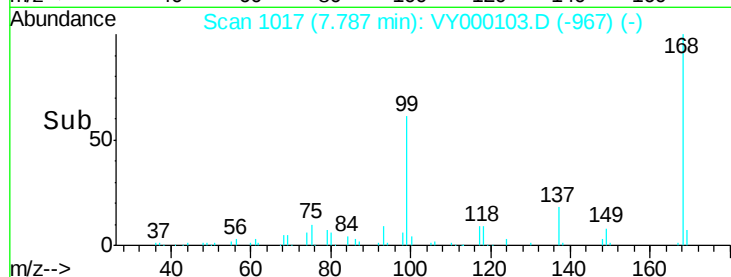
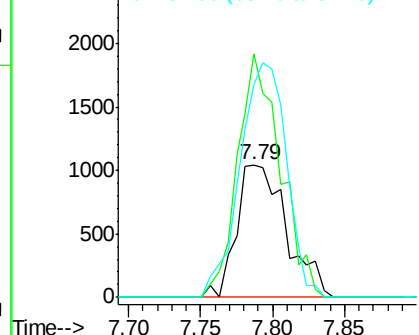
#31
Cyclohexane
Concen: Below Cal
RT: 7.79 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 2518
Ion Ratio Lower Upper
56 100
69 184.1 30.9 46.3#
84 161.0 78.5 117.7#

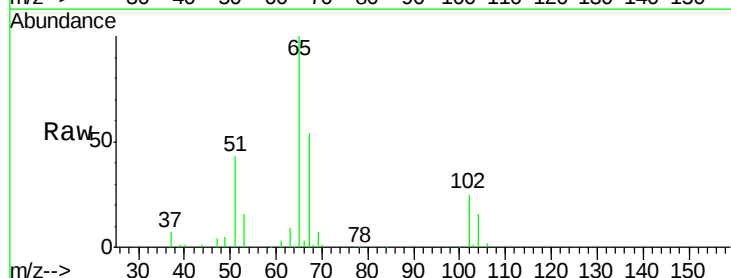


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

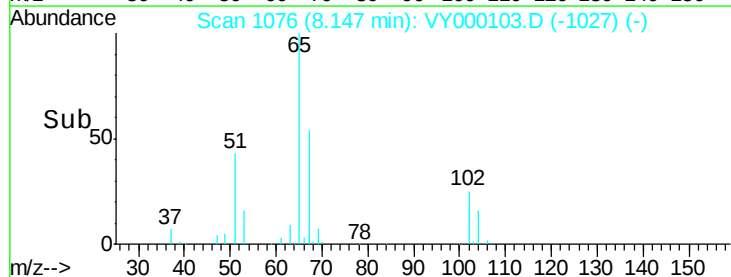
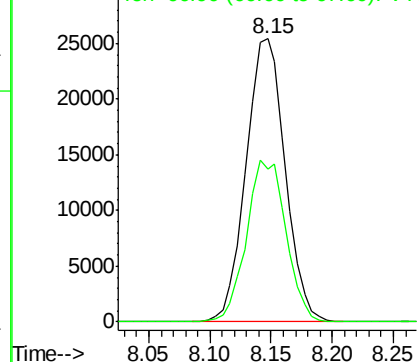


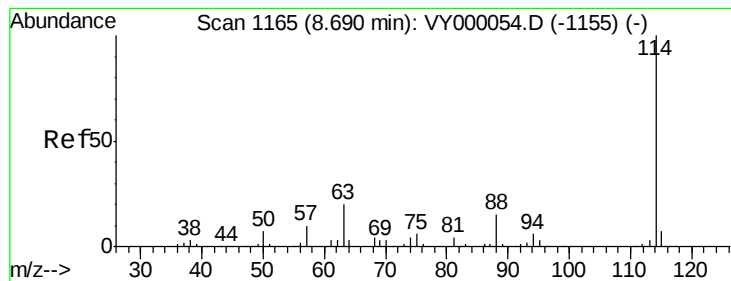
#33
1,2-Dichloroethane-d4
Concen: 52.869 ug/l
RT: 8.15 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

Tgt Ion: 65 Resp: 56566
Ion Ratio Lower Upper
65 100
67 57.5 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: VY000103.D

Acq: 20 Sep 2019 13:16

Instrument :

MSVOA_Y

ClientSampleId :

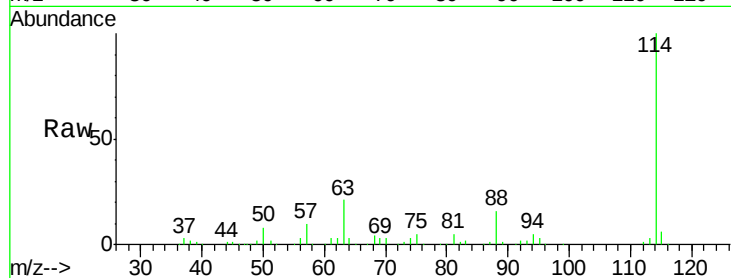
Tot Ion:114 Resp: 186220

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

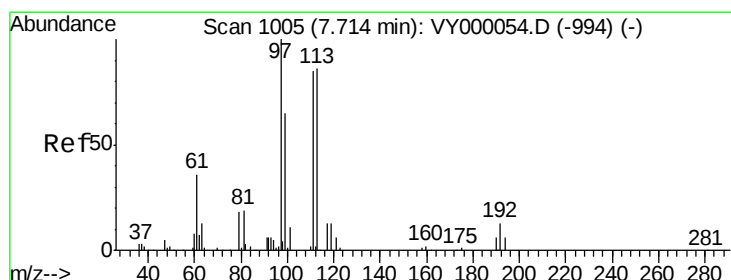
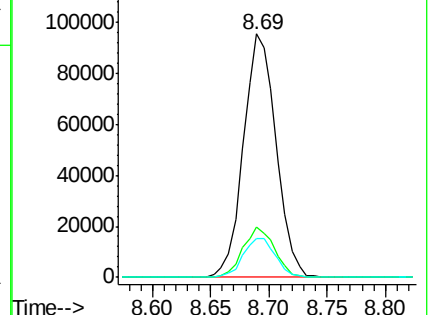
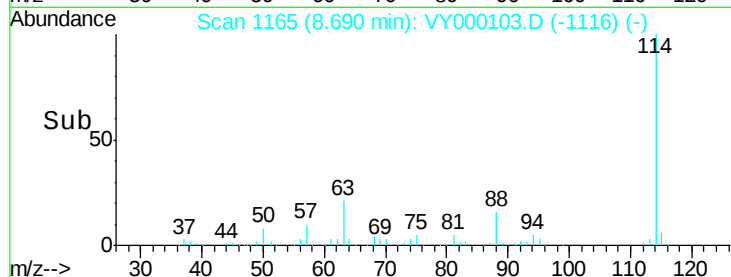
88 16.0 0.0 30.2



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: 47.939 ug/l

RT: 7.72 min Scan# 1006

Delta R.T. 0.01 min

Lab File: VY000103.D

Acq: 20 Sep 2019 13:16

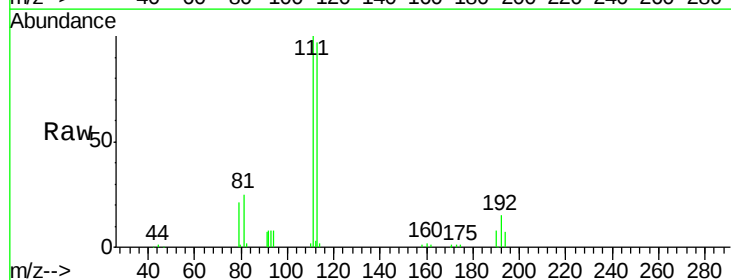
Tgt Ion:113 Resp: 54052

Ion Ratio Lower Upper

113 100

111 102.5 81.7 122.5

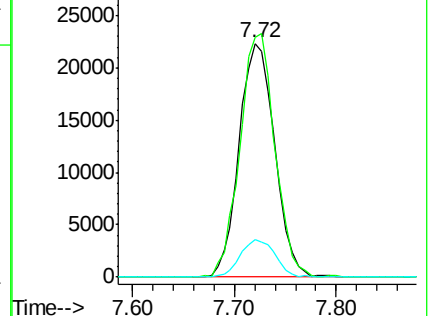
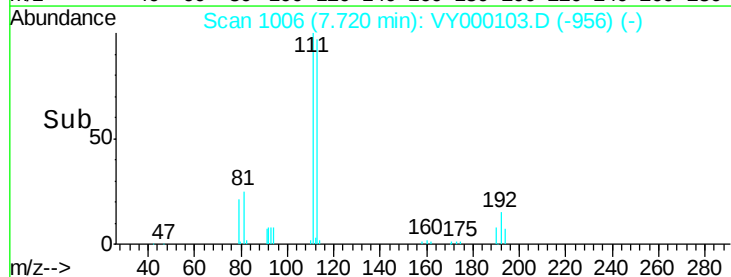
192 15.8 13.4 20.2

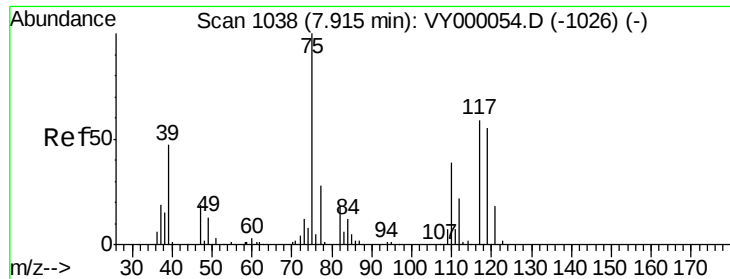


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

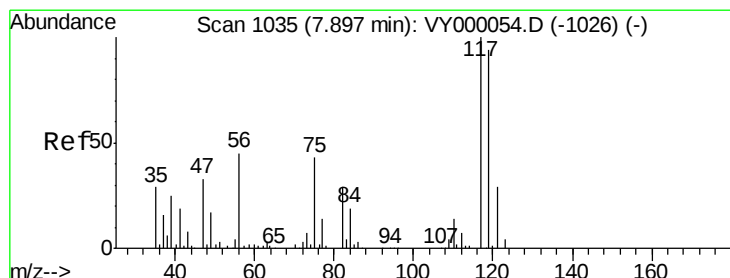
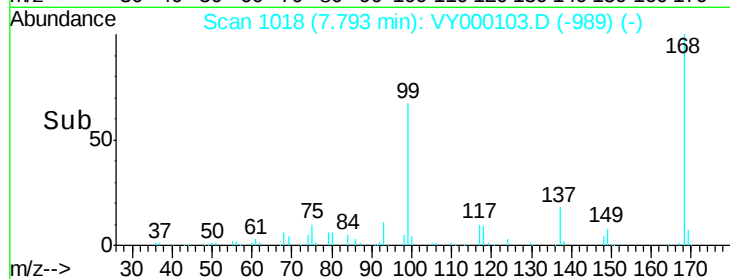
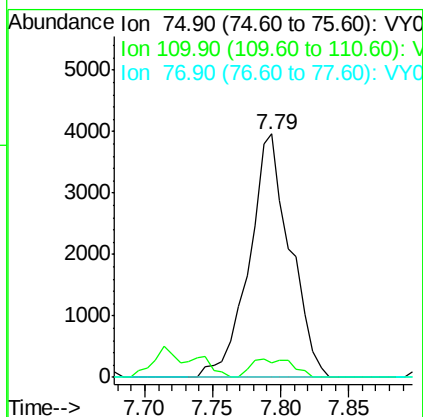
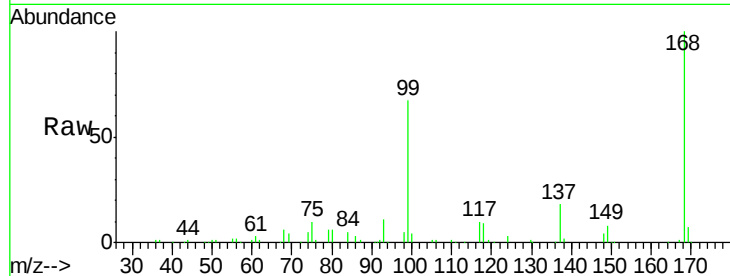




#36
 1,1-Dichloropropene
 Concen: 5.988 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.12 min
 Lab File: VY000103.D
 Acq: 20 Sep 2019 13:16

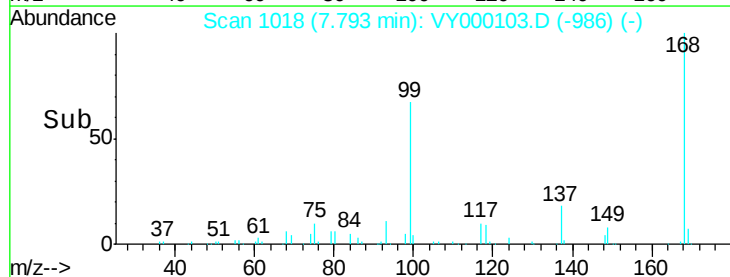
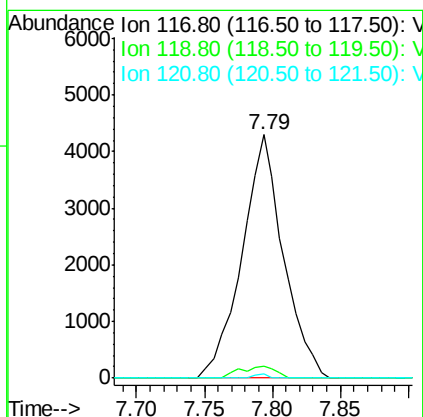
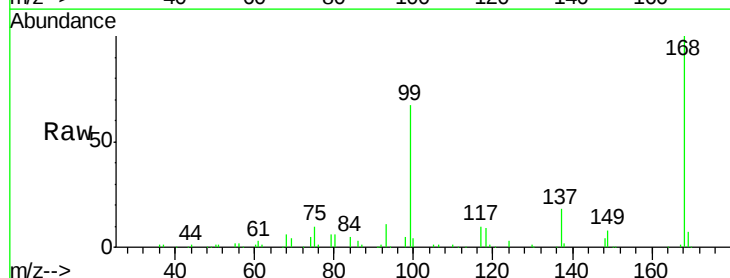
Instrument :
 MSVOA_Y
 ClientSampleId :

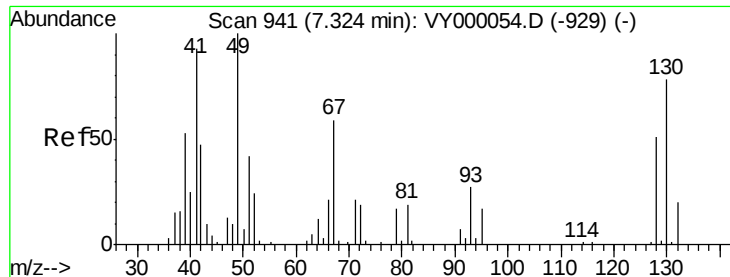
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	19.6	58.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.932 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000103.D
 Acq: 20 Sep 2019 13:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	75.0	112.6#
121	1.8	22.8	34.2#

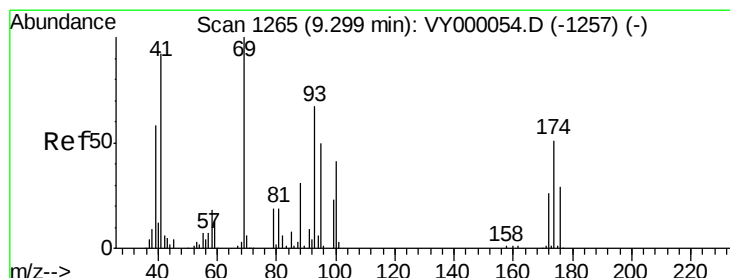
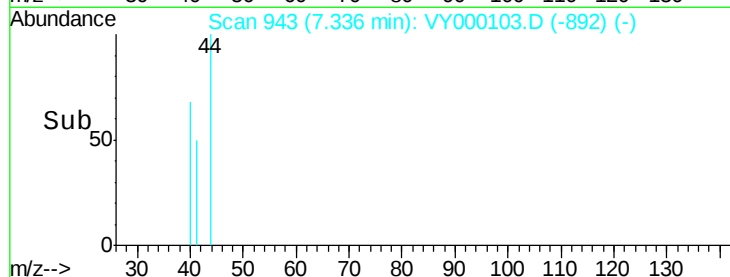
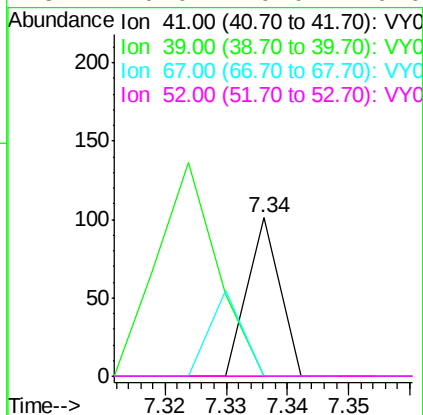
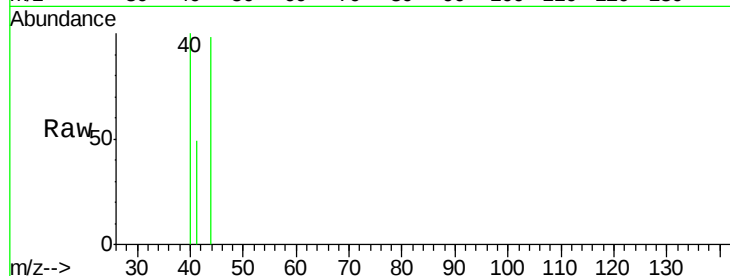




#41
Methacrylonitrile
Concen: 4.355 ug/l
RT: 7.34 min Scan# 943
Delta R.T. 0.01 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

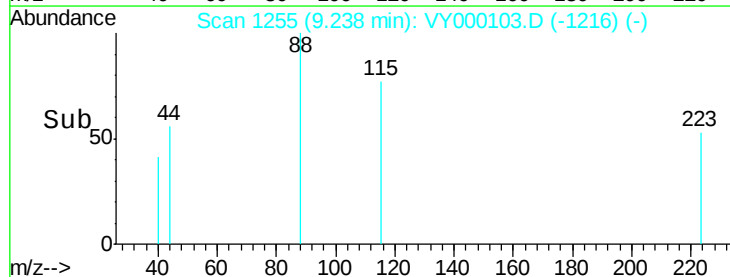
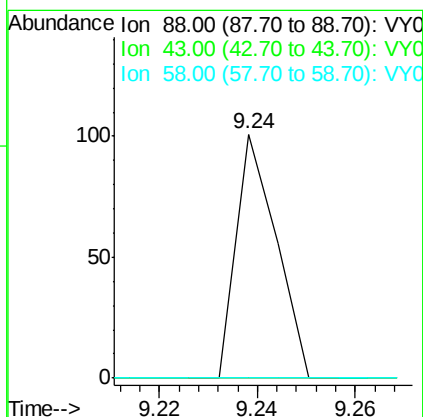
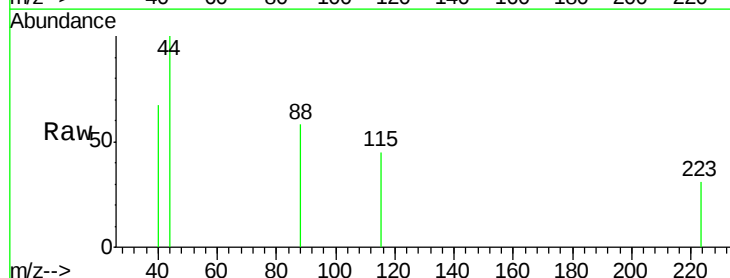
Instrument :
MSVOA_Y
ClientSampled :

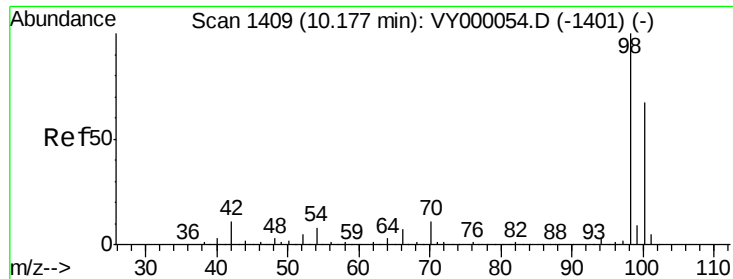
Tot Ion:	41	Resp:	37
Ion	Ratio	Lower	Upper
41	100		
39	251.4	91.8	137.6#
67	54.1	0.0	0.0#
52	0.0	0.0	0.0



#49
1,4-Dioxane
Concen: 4.512 ug/l
RT: 9.24 min Scan# 1255
Delta R.T. -0.06 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

Tgt Ion:	88	Resp:	57
Ion	Ratio	Lower	Upper
88	100		
43	0.0	18.7	28.1#
58	0.0	53.0	79.6#

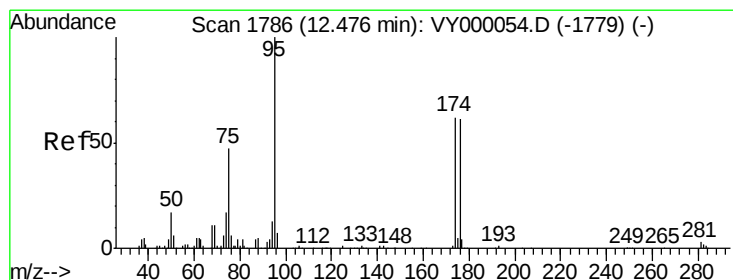
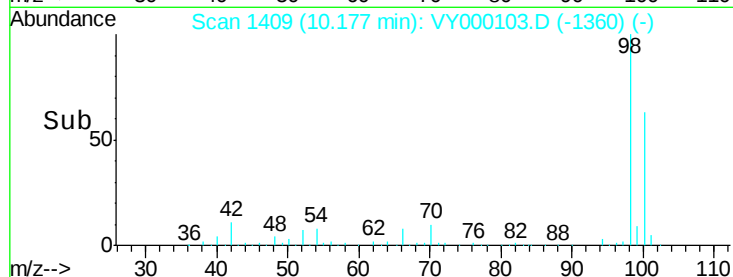
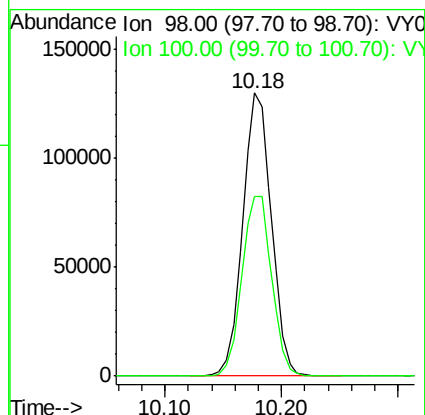
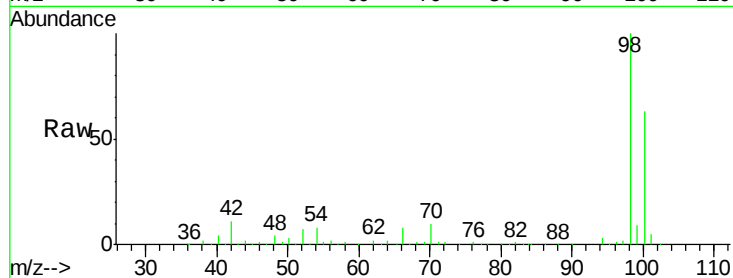




#50
Toluene-d8
Concen: 50.361 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

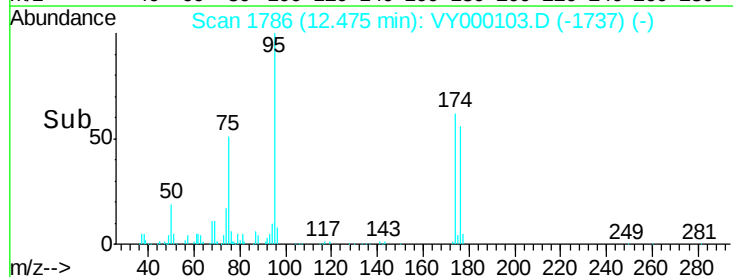
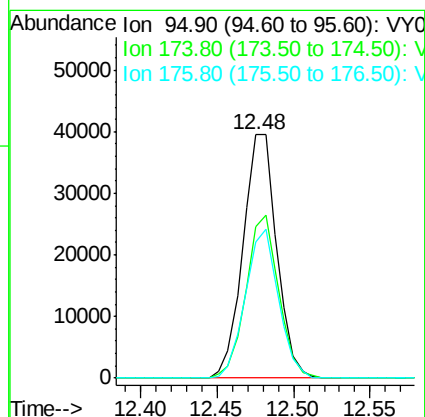
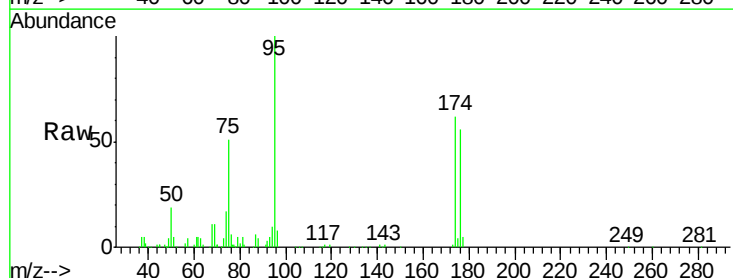
Instrument :
MSVOA_Y
ClientSampleId :

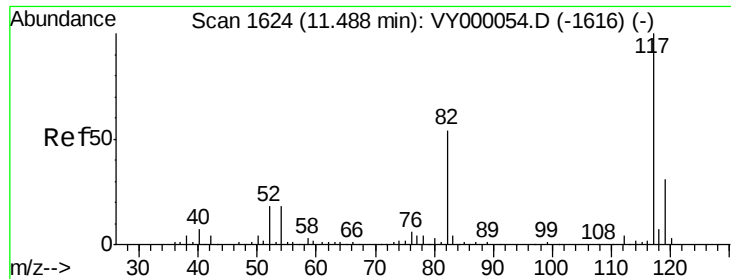
Tot Ion: 98 Resp: 223026
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 36.842 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

Tgt Ion: 95 Resp: 60575
Ion Ratio Lower Upper
95 100
174 64.7 0.0 137.2
176 59.8 0.0 135.0

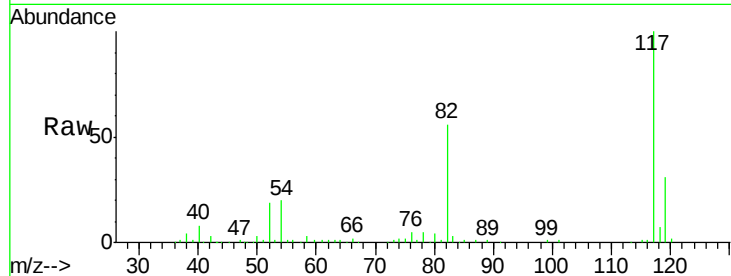




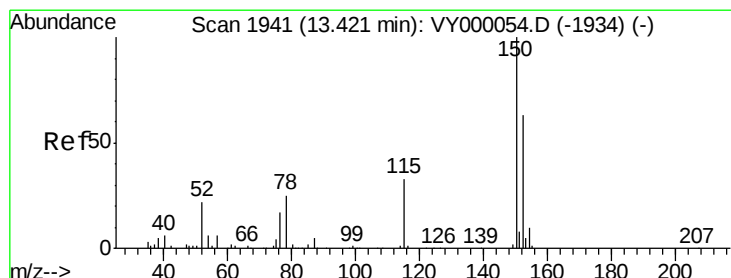
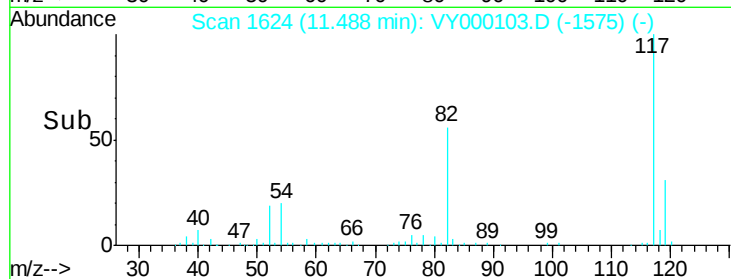
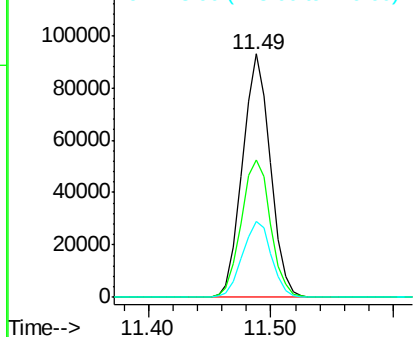
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 146807
Ion Ratio Lower Upper
117 100
82 56.3 43.5 65.3
119 31.0 24.6 36.8

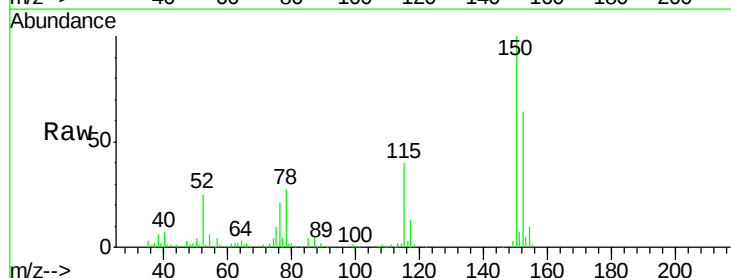


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

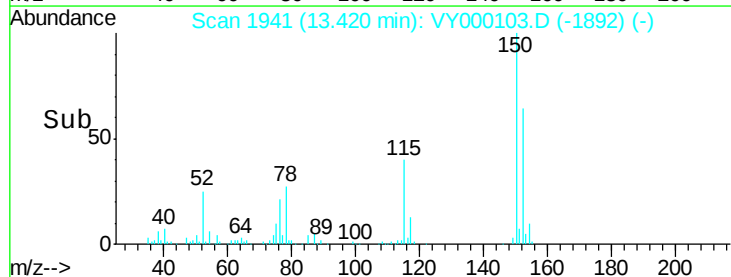
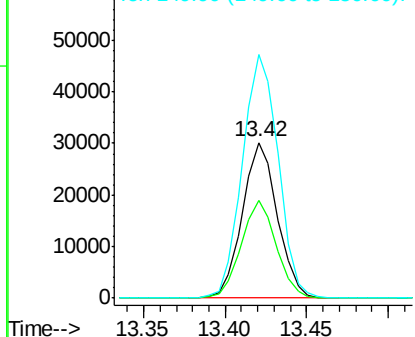


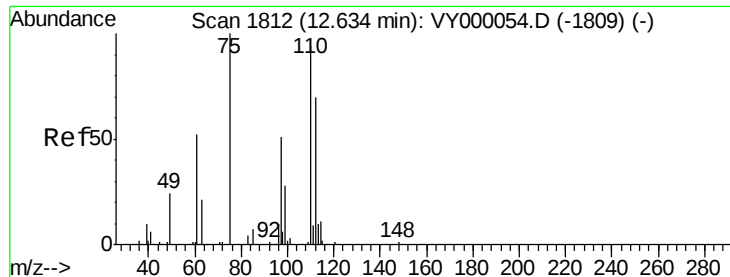
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1941
Delta R.T. -0.00 min
Lab File: VY000103.D
Acq: 20 Sep 2019 13:16

Tgt Ion:152 Resp: 45091
Ion Ratio Lower Upper
152 100
115 62.6 30.7 92.1
150 160.3 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

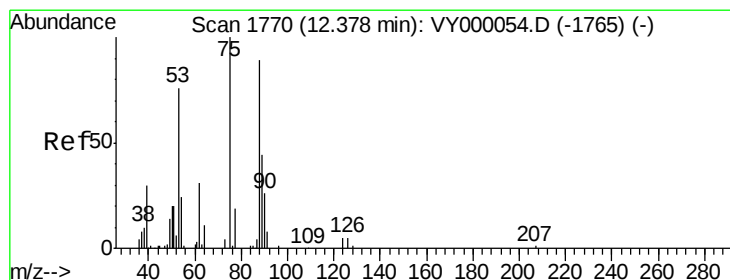
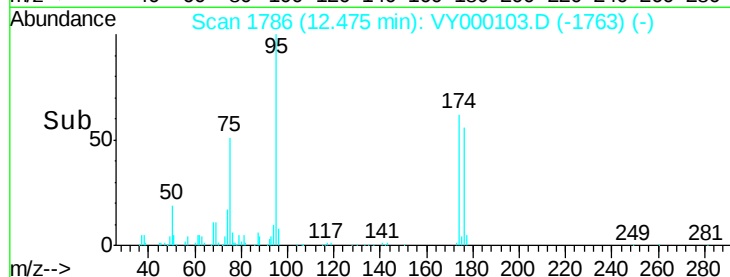
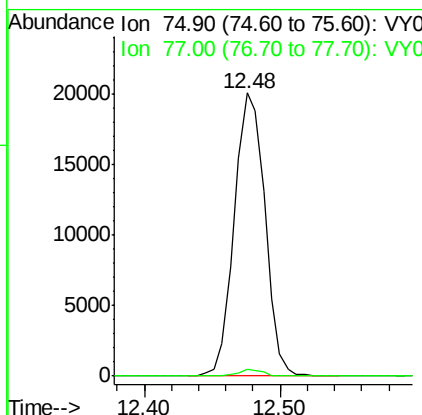
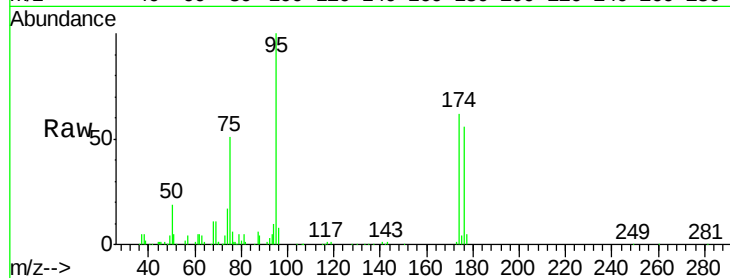




#76
 1,2,3-Trichloropropane
 Concen: 49.539 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.16 min
 Lab File: VY000103.D
 Acq: 20 Sep 2019 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 31429
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.276 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. 0.10 min
 Lab File: VY000103.D
 Acq: 20 Sep 2019 13:16

Tgt Ion: 75 Resp: 31429
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.9 91.3#
 89 0.0 35.3 52.9#

