

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092019\
 Data File : VY000104.D
 Acq On : 20 Sep 2019 13:39
 Operator : SY/MD
 Sample : K4863-15
 Misc : 6.03g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 23:47:14 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	91599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	193946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	144935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	39964	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	57782	54.83	ug/l	0.00
Spiked Amount			Recovery	=	109.66%	
35) Dibromofluoromethane	7.72	113	55783	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
50) Toluene-d8	10.18	98	218667	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
62) 4-Bromofluorobenzene	12.48	95	58127	33.94	ug/l	0.00
Spiked Amount			Recovery	=	67.88%	

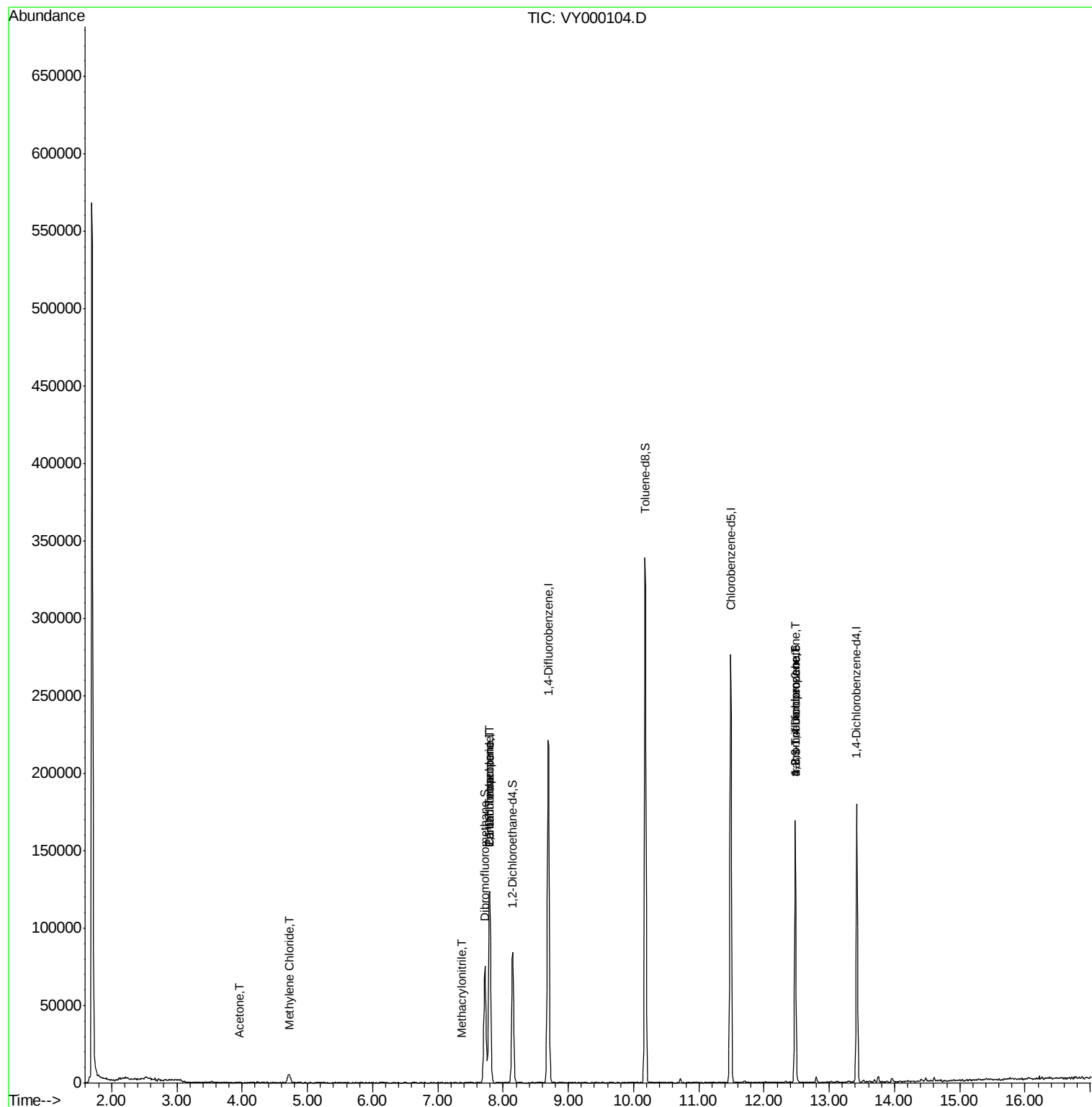
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.96	85	21	Below Cal	#	42
3) Chloromethane	2.11	50	877	Below Cal		93
5) Bromomethane	2.66	94	47	Below Cal	#	73
13) Acrolein	3.74	56	48	Below Cal	#	13
16) Acetone	3.96	43	390	1.589	ug/l	91
17) Carbon Disulfide	3.95	76	19	Below Cal	#	77
20) Methylene Chloride	4.72	84	4184	3.625	ug/l #	97
31) Cyclohexane	7.79	56	2574	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	8881	6.124	ug/l #	47
38) Carbon Tetrachloride	7.79	117	10087	7.370	ug/l #	18
41) Methacrylonitrile	7.36	41	40	4.357	ug/l #	77
76) 1,2,3-Trichloropropane	12.48	75	29247	52.014	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	29247	100.036	ug/l #	19

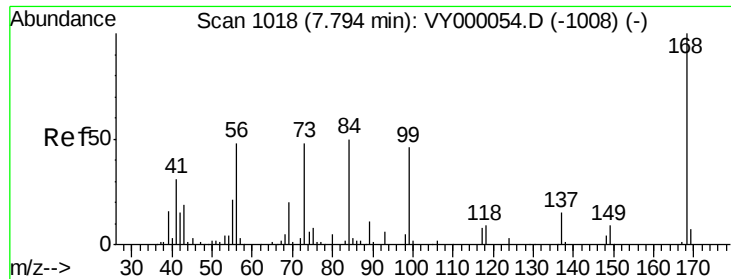
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000104.D

Acq: 20 Sep 2019 13:39

Instrument :

MSVOA_Y

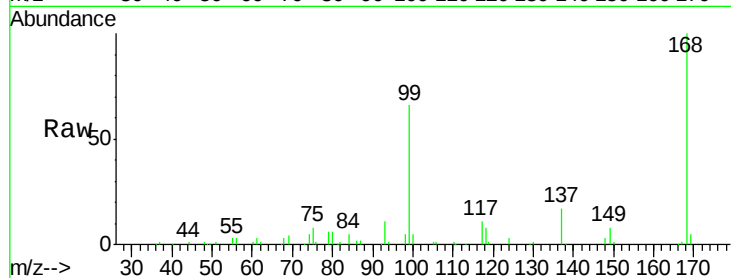
ClientSampled :

Tot Ion:168 Resp: 91599

Ion Ratio Lower Upper

168 100

99 66.1 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): VY000104.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000104.D (-969) (-)

7.79

40000

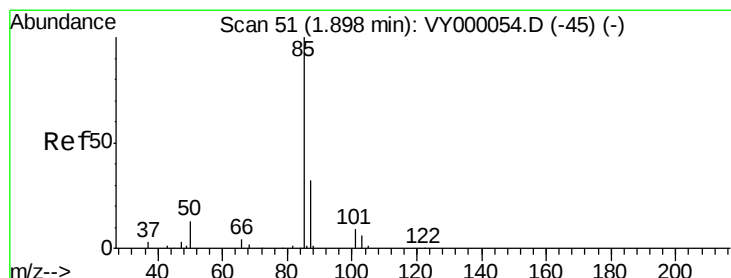
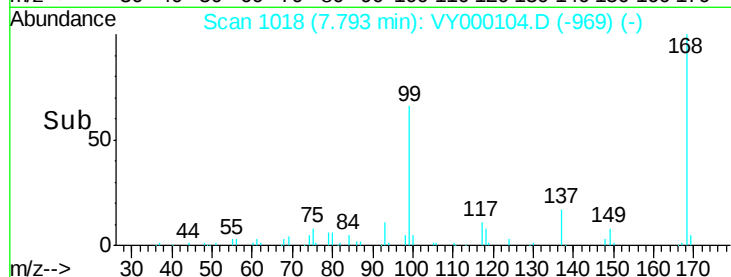
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.96 min Scan# 61

Delta R.T. 0.06 min

Lab File: VY000104.D

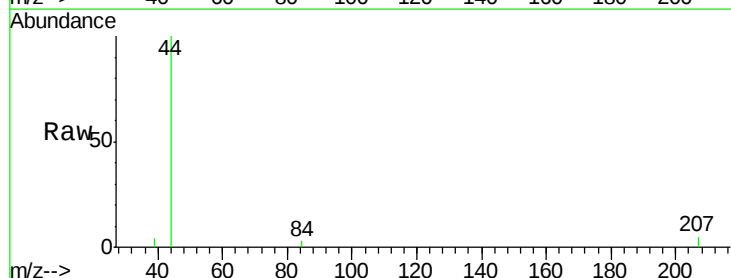
Acq: 20 Sep 2019 13:39

Tgt Ion: 85 Resp: 21

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VY000104.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000104.D (-2) (-)

1.96

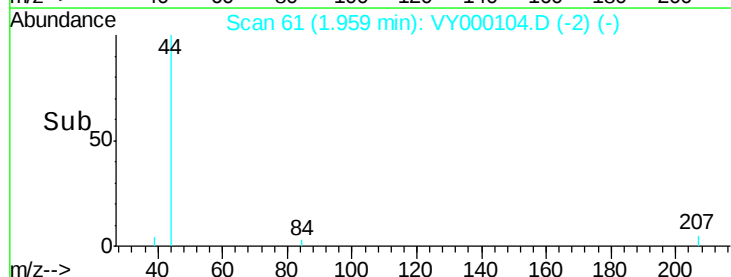
60

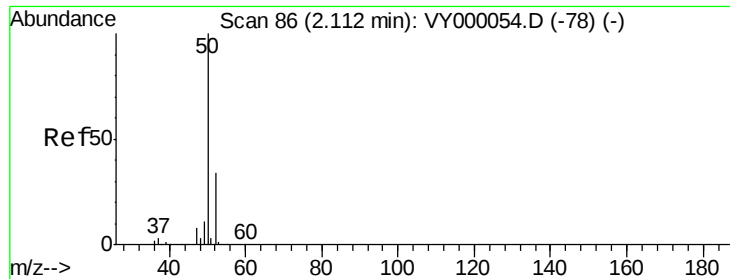
40

20

0

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000104.D

Acq: 20 Sep 2019 13:39

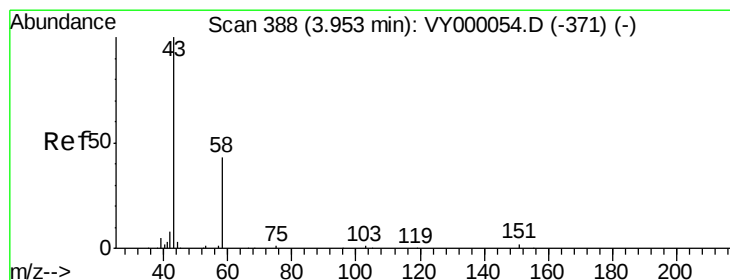
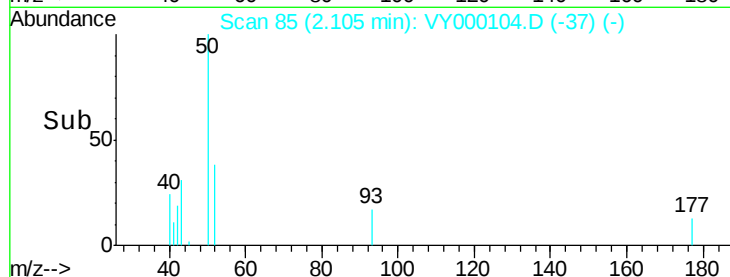
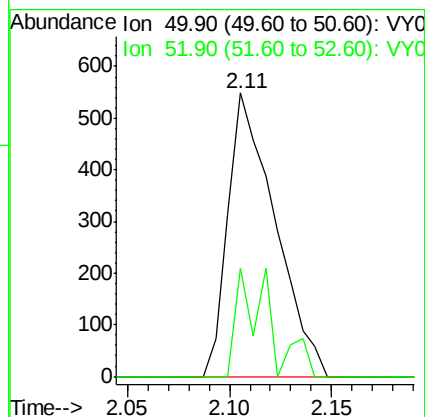
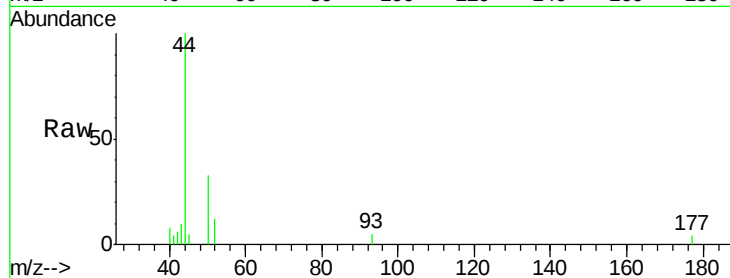
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 50 Resp: 877

Ion Ratio Lower Upper

50 100

52 38.1 27.3 40.9



#16

Acetone

Concen: 1.589 ug/l

RT: 3.96 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000104.D

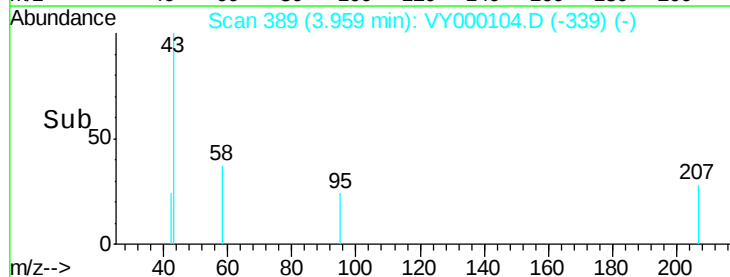
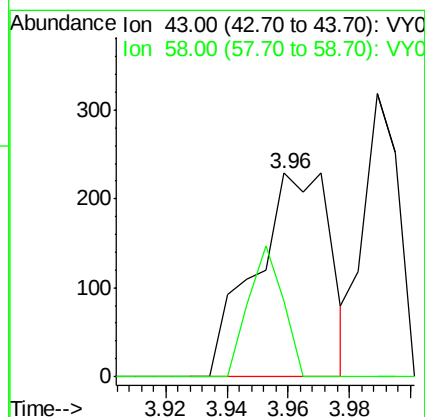
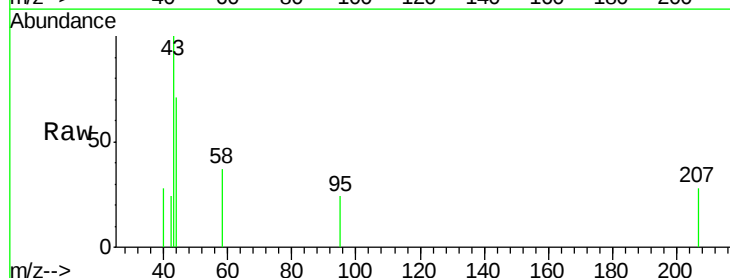
Acq: 20 Sep 2019 13:39

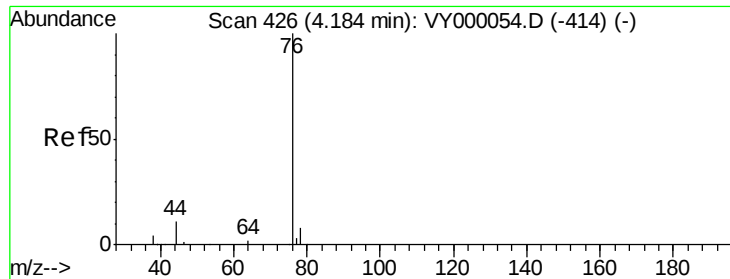
Tgt Ion: 43 Resp: 390

Ion Ratio Lower Upper

43 100

58 37.1 34.5 51.7

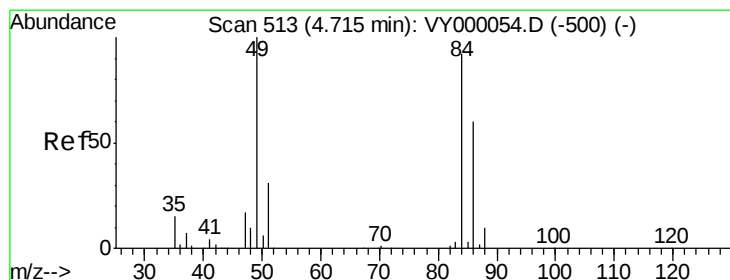
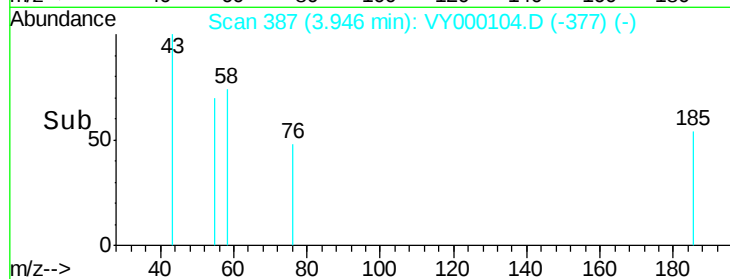
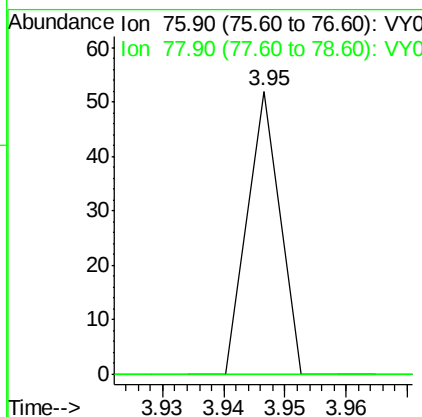
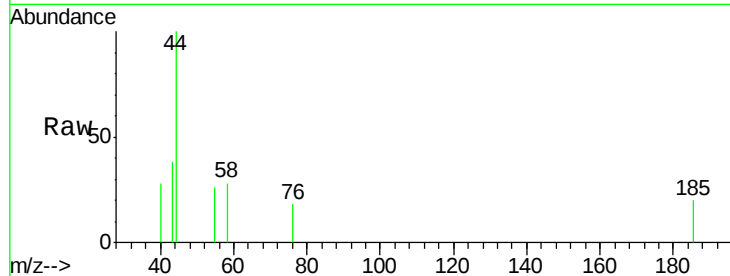




#17
Carbon Disulfide
Concen: Below Cal
RT: 3.95 min Scan# 387
Delta R.T. -0.24 min
Lab File: VY000104.D
Acq: 20 Sep 2019 13:39

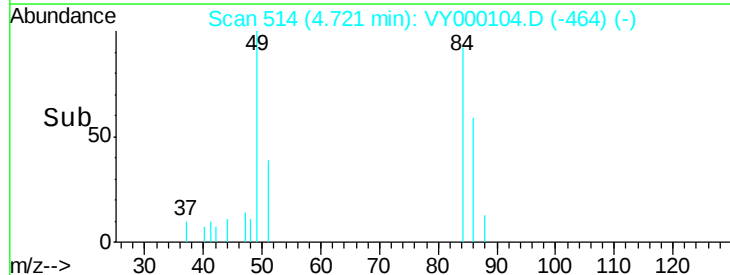
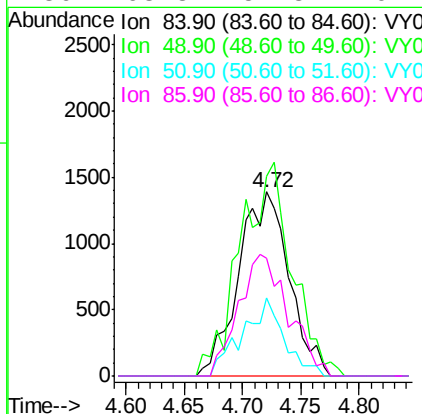
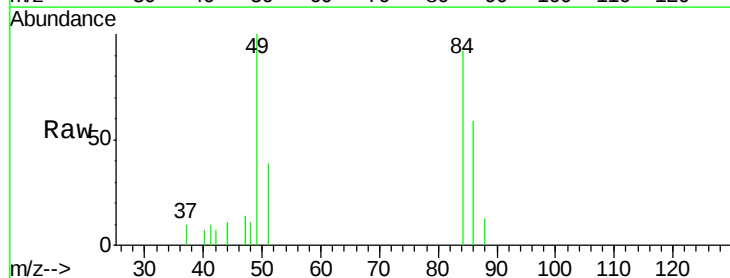
Instrument :
MSVOA_Y
ClientSampleId :

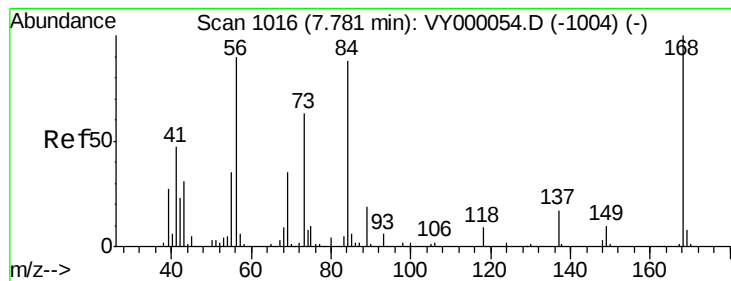
Tot Ion: 76 Resp: 19
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#



#20
Methylene Chloride
Concen: 3.625 ug/l
RT: 4.72 min Scan# 514
Delta R.T. 0.01 min
Lab File: VY000104.D
Acq: 20 Sep 2019 13:39

Tgt Ion: 84 Resp: 4184
Ion Ratio Lower Upper
84 100
49 108.8 87.4 131.0
51 42.1 27.2 40.8#
86 63.8 52.8 79.2





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

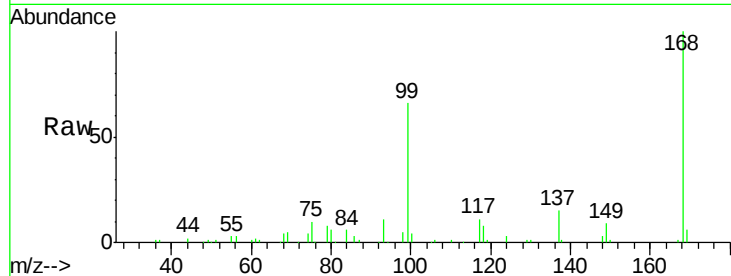
Lab File: VY000104.D

Acq: 20 Sep 2019 13:39

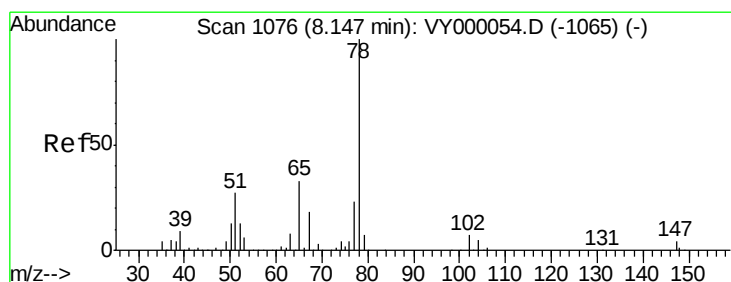
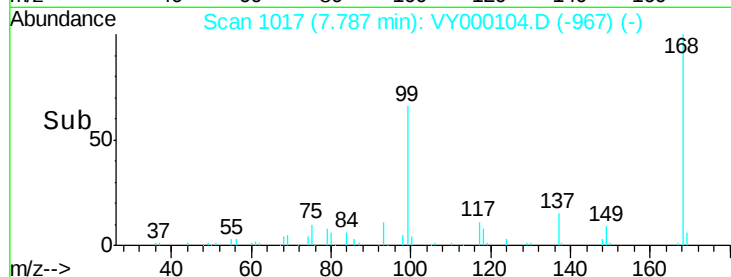
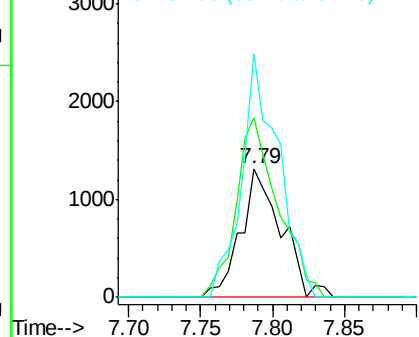
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 2574

Ion	Ratio	Lower	Upper
56	100		
69	139.1	30.9	46.3#
84	189.1	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: 54.829 ug/l

RT: 8.15 min Scan# 1076

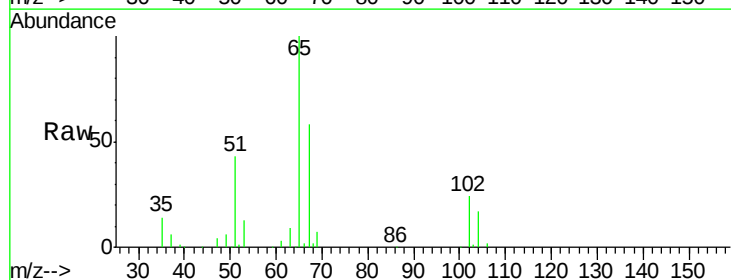
Delta R.T. -0.00 min

Lab File: VY000104.D

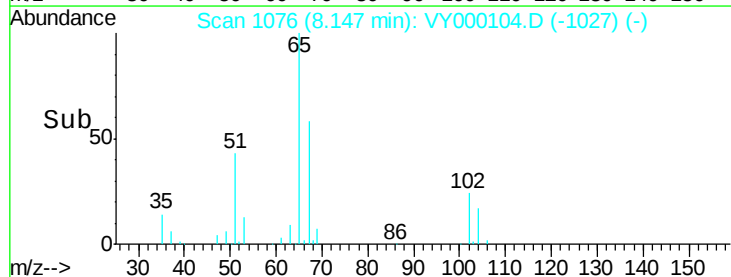
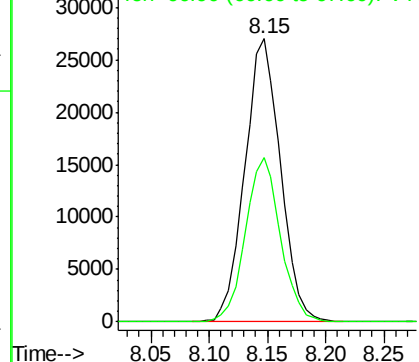
Acq: 20 Sep 2019 13:39

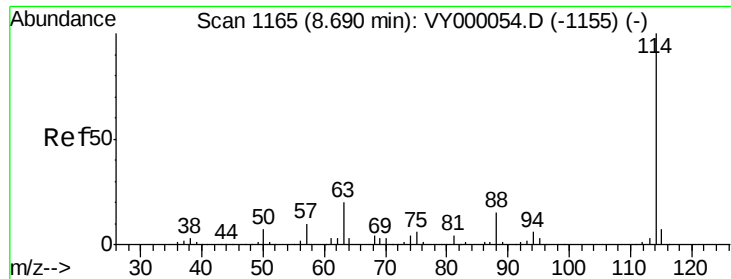
Tgt Ion: 65 Resp: 57782

Ion	Ratio	Lower	Upper
65	100		
67	56.8	0.0	111.0



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

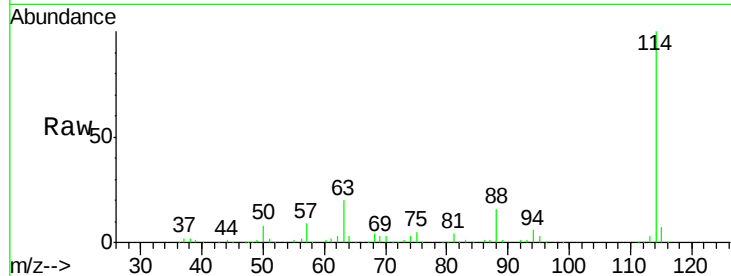




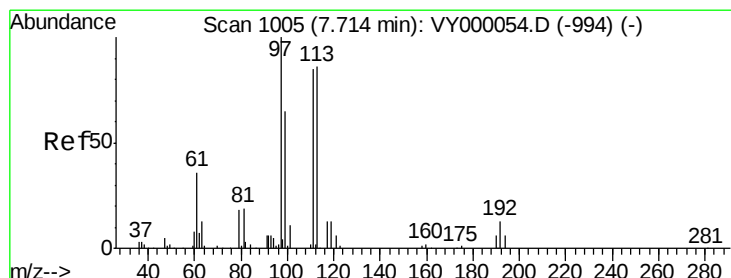
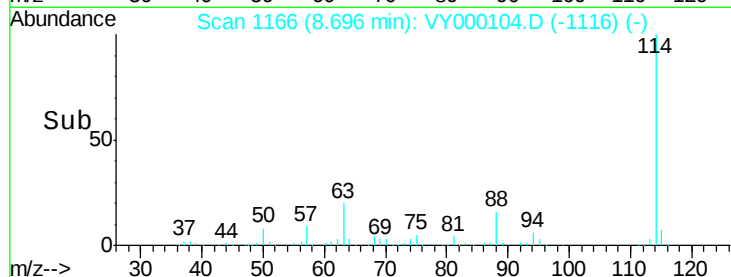
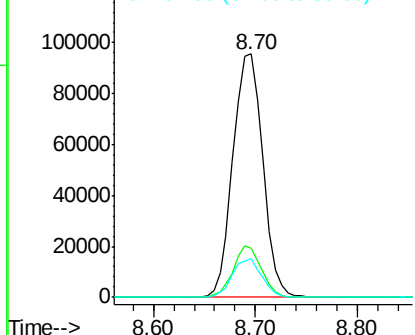
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1166
 Delta R.T. 0.01 min
 Lab File: VY000104.D
 Acq: 20 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 193946
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.4
 88 16.1 0.0 30.2

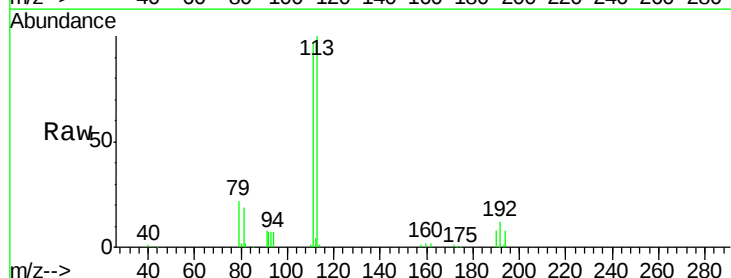


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

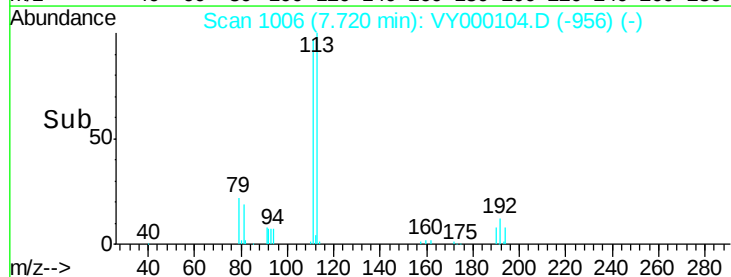
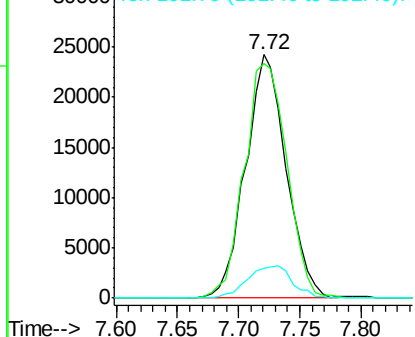


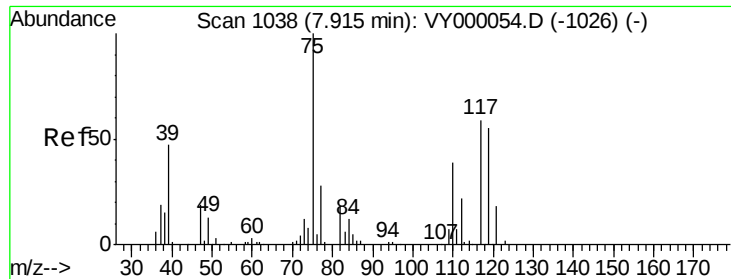
#35
 Dibromofluoromethane
 Concen: 47.503 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000104.D
 Acq: 20 Sep 2019 13:39

Tgt Ion:113 Resp: 55783
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.7 122.5
 192 14.7 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

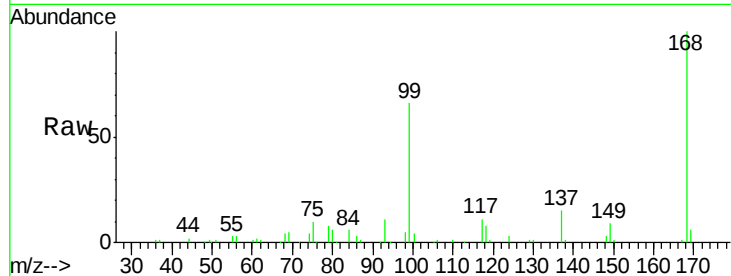




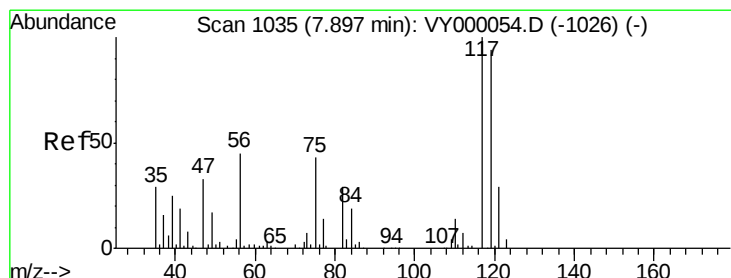
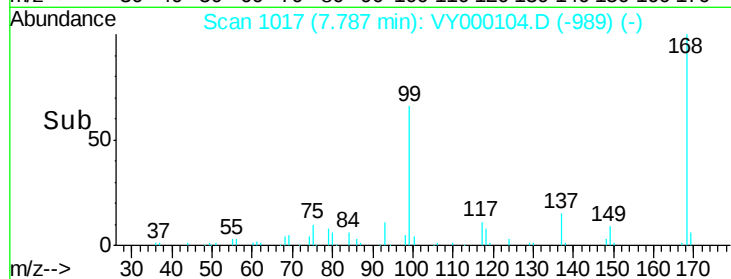
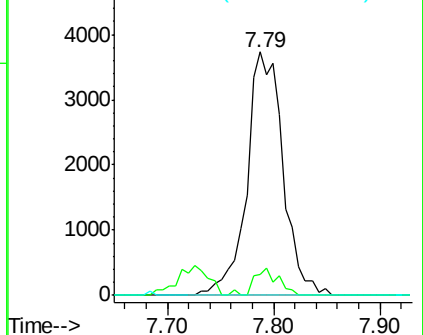
#36
 1,1-Dichloropropene
 Concen: 6.124 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000104.D
 Acq: 20 Sep 2019 13:39

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	19.6	58.7#
77	0.0	24.3	36.5#

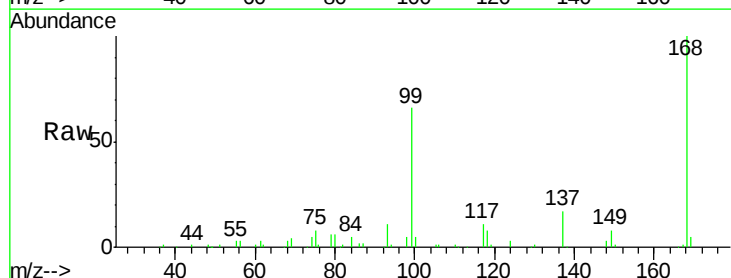


Abundance Ion 74.90 (74.60 to 75.60): VY000054.D (-1026) (-)
 Ion 109.90 (109.60 to 110.60): VY000054.D (-1026) (-)
 Ion 76.90 (76.60 to 77.60): VY000054.D (-1026) (-)

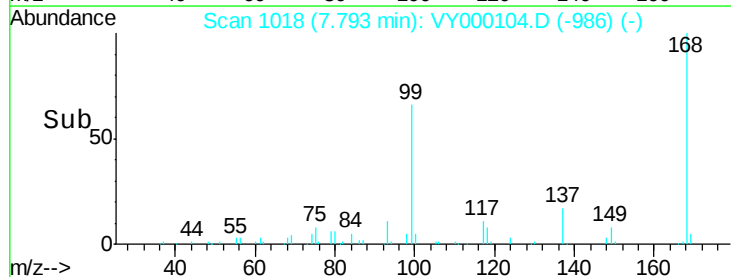
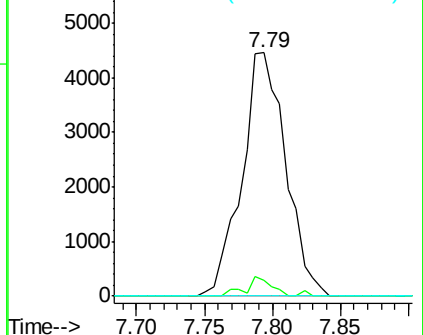


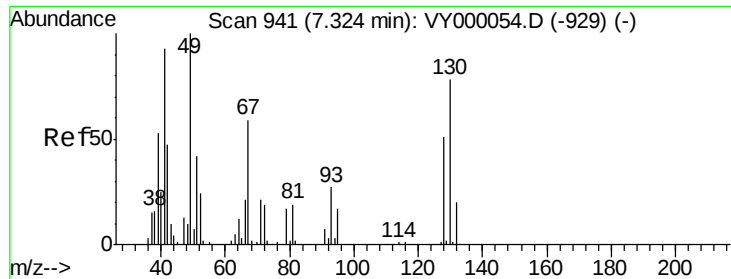
#38
 Carbon Tetrachloride
 Concen: 7.370 ug/l
 RT: 7.79 min Scan# 1018
 Delta R.T. -0.10 min
 Lab File: VY000104.D
 Acq: 20 Sep 2019 13:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	75.0	112.6#
121	0.0	22.8	34.2#



Abundance Ion 116.80 (116.50 to 117.50): VY000054.D (-1026) (-)
 Ion 118.80 (118.50 to 119.50): VY000054.D (-1026) (-)
 Ion 120.80 (120.50 to 121.50): VY000054.D (-1026) (-)

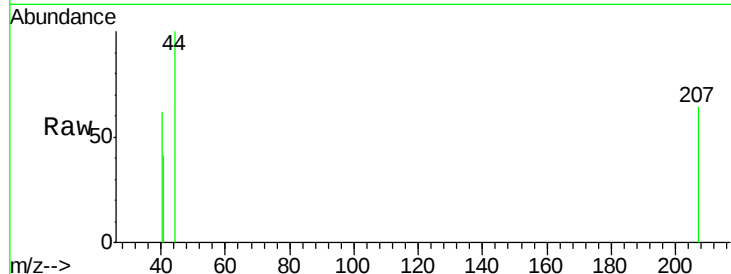




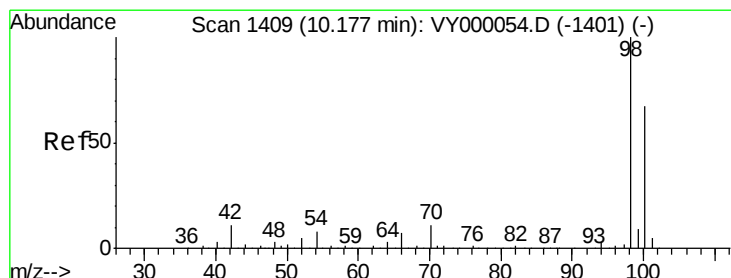
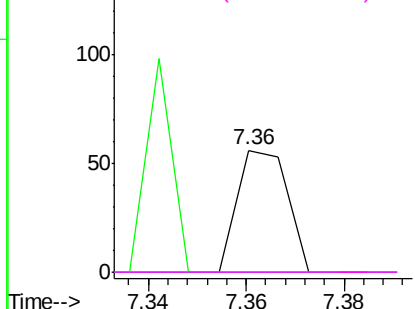
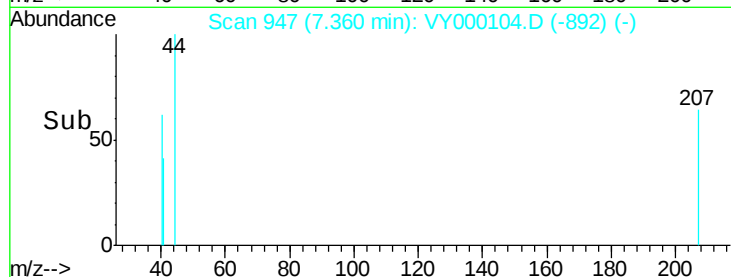
#41
Methacrylonitrile
Concen: 4.357 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.04 min
Lab File: VY000104.D
Acq: 20 Sep 2019 13:39

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	41	Resp:	40
Ion	Ratio	Lower	Upper
41	100		
39	90.0	91.8	137.6#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

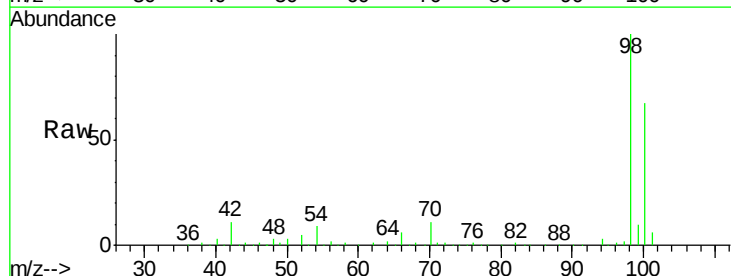


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

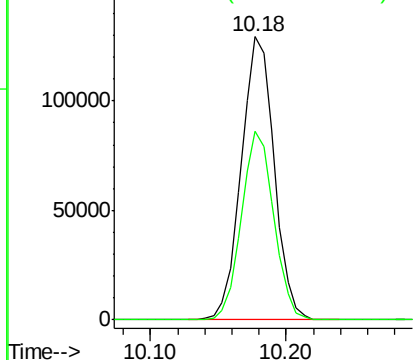
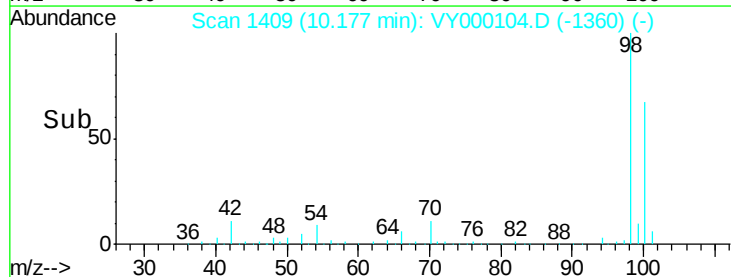


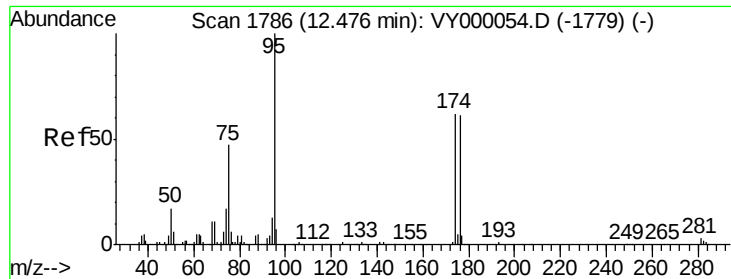
#50
Toluene-d8
Concen: 47.410 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000104.D
Acq: 20 Sep 2019 13:39

Tgt Ion:	98	Resp:	218667
Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.1	79.7



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

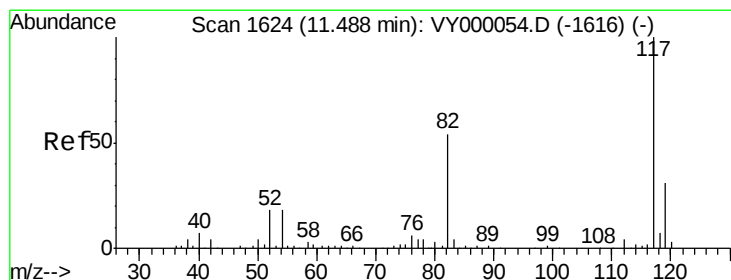
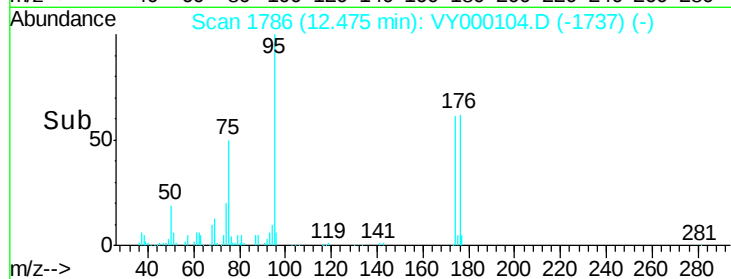
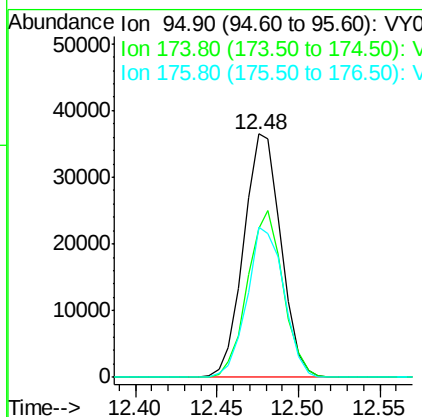
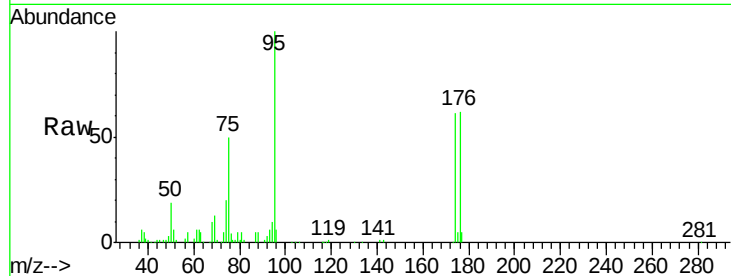




#62
4-Bromofluorobenzene
Concen: 33.945 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VY000104.D
Acq: 20 Sep 2019 13:39

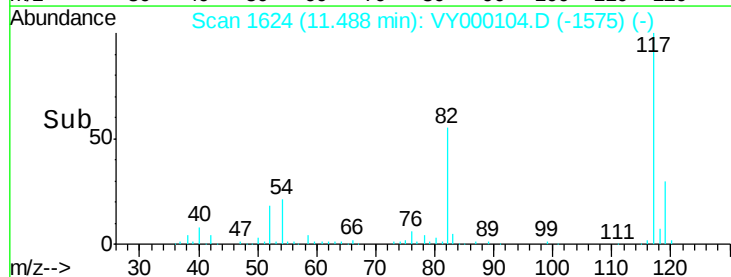
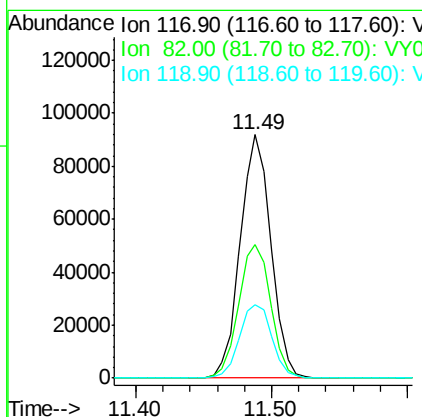
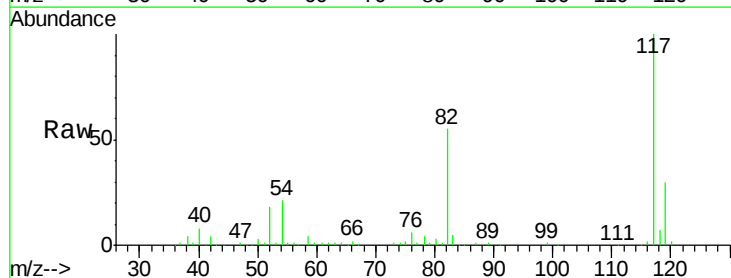
Instrument :
MSVOA_Y
ClientSampled :

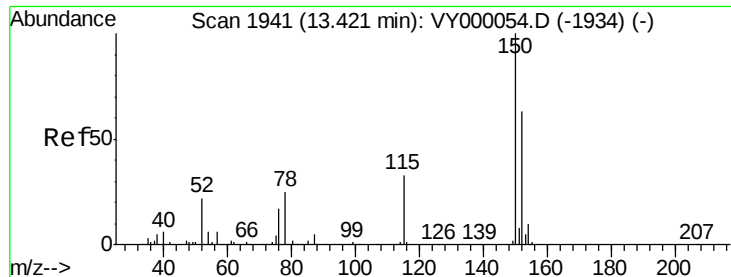
Tot Ion	95	Resp	58127
Ion Ratio	Lower	Upper	
95	100		
174	65.7	0.0	137.2
176	60.8	0.0	135.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000104.D
Acq: 20 Sep 2019 13:39

Tgt Ion	117	Resp	144935
Ion Ratio	Lower	Upper	
117	100		
82	54.9	43.5	65.3
119	30.3	24.6	36.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1942

Delta R.T. 0.01 min

Lab File: VY000104.D

Acq: 20 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampled :

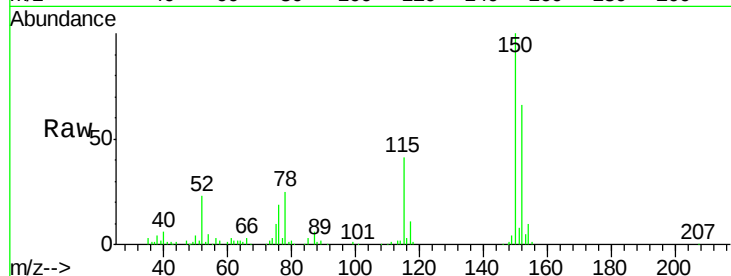
Tot Ion:152 Resp: 39964

Ion Ratio Lower Upper

152 100

115 68.6 30.7 92.1

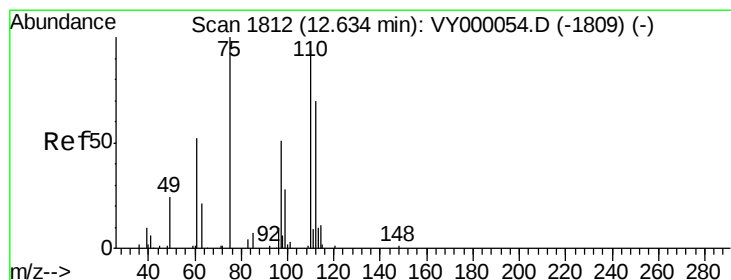
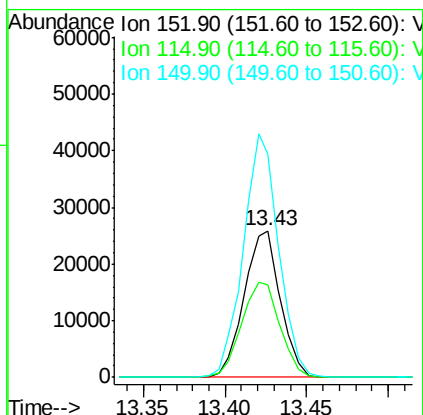
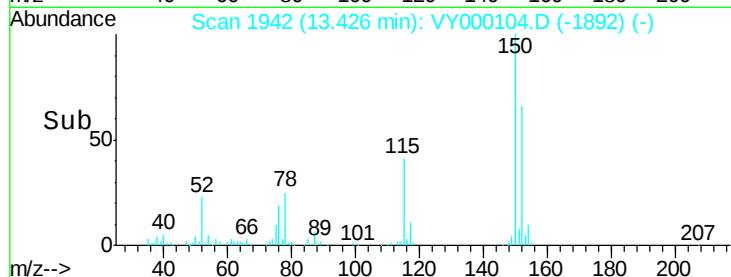
150 161.4 0.0 351.6



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: 52.014 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. -0.15 min

Lab File: VY000104.D

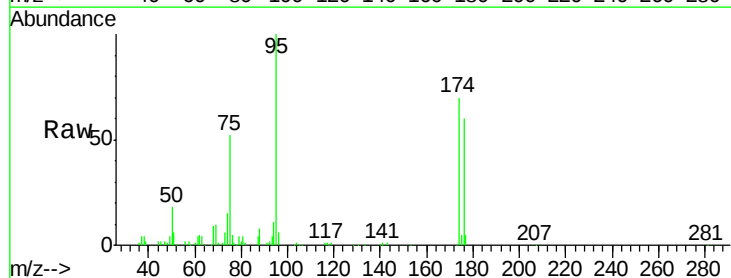
Acq: 20 Sep 2019 13:39

Tgt Ion: 75 Resp: 29247

Ion Ratio Lower Upper

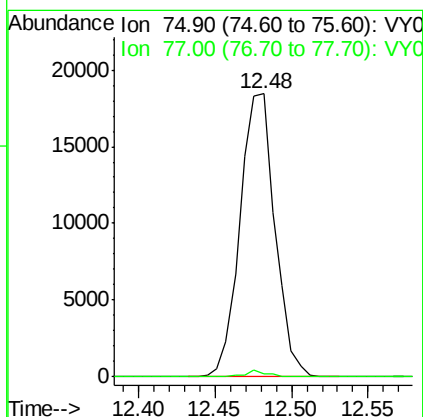
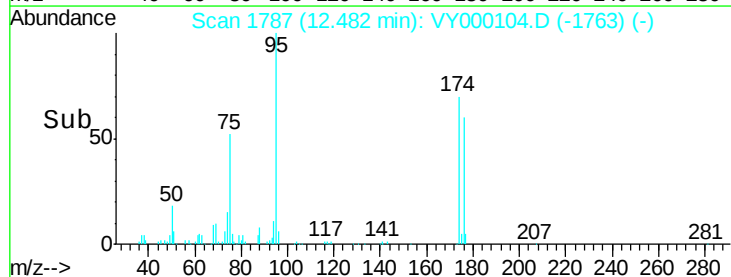
75 100

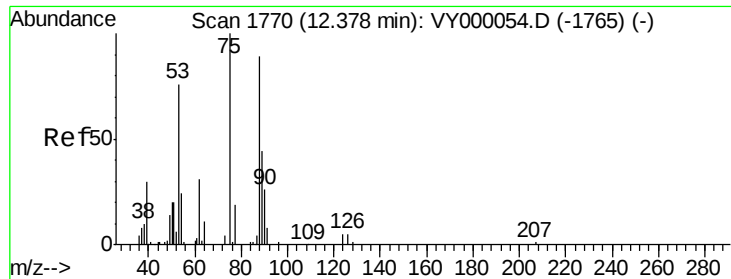
77 1.5 0.0 0.0#



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: 100.036 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.10 min

Lab File: VY000104.D

Acq: 20 Sep 2019 13:39

Instrument :

MSVOA_Y

ClientSampleId :

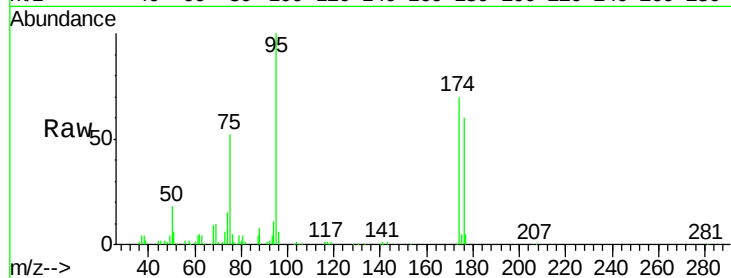
Tot Ion: 75 Resp: 29247

Ion Ratio Lower Upper

75 100

53 0.1 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

