

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000025.D
 Acq On : 12 Sep 2019 14:31
 Operator : SY/MD
 Sample : VY0912SBL01
 Misc : 5.00g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 12 16:31:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 12 16:17:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	143637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	276346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	234770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	102526	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	79386	51.31	ug/l	0.00
Spiked Amount						
			Recovery	=	102.62%	
35) Dibromofluoromethane	7.72	113	77053	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	
50) Toluene-d8	10.18	98	329675	51.65	ug/l	0.00
Spiked Amount						
			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.48	95	110718	47.72	ug/l	0.00
Spiked Amount						
			Recovery	=	95.44%	

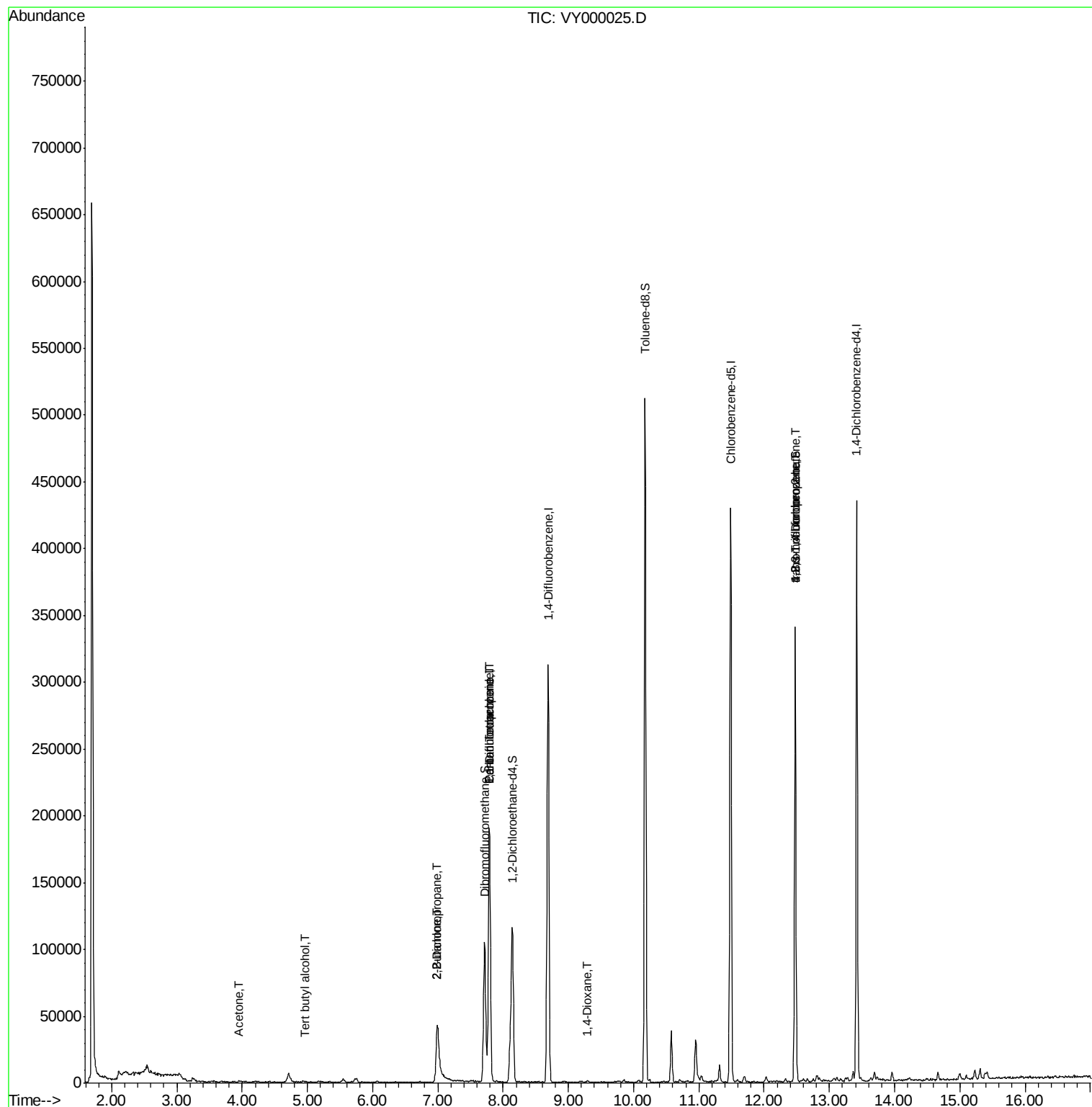
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	3991	Below Cal		90
5) Bromomethane	2.64	94	205	Below Cal	#	50
11) Tert butyl alcohol	4.96	59	516	2.623	ug/l #	64
13) Acrolein	3.74	56	219	Below Cal		98
16) Acetone	3.95	43	2002	4.666	ug/l	98
17) Carbon Disulfide	4.17	76	187	Below Cal	#	74
20) Methylene Chloride	4.70	84	4777	Below Cal	#	85
25) 2-Butanone	6.99	43	2890	4.144	ug/l #	65
26) 2,2-Dichloropropane	6.98	77	4284	1.715	ug/l #	51
31) Cyclohexane	7.79	56	3778	Below Cal	#	1
36) 1,1-Dichloropropene	7.79	75	13002	6.408	ug/l #	48
38) Carbon Tetrachloride	7.79	117	14166	7.397	ug/l #	18
49) 1,4-Dioxane	9.30	88	45	2.273	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	54377	38.185	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	54377	75.742	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.36	75	64	Below Cal	#	3

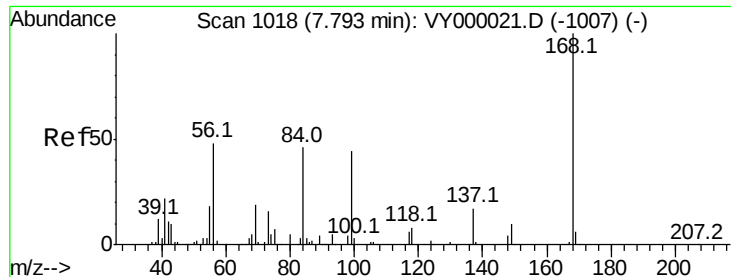
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
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QLast Update : Thu Sep 12 16:17:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

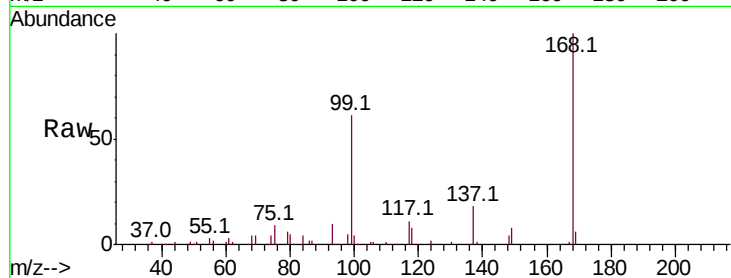
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 143637

Ion Ratio Lower Upper

168 100

99 61.0 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): VY000021.D (-1007) (-)

Ion 98.90 (98.60 to 99.60): VY000021.D (-1007) (-)

7.79

60000

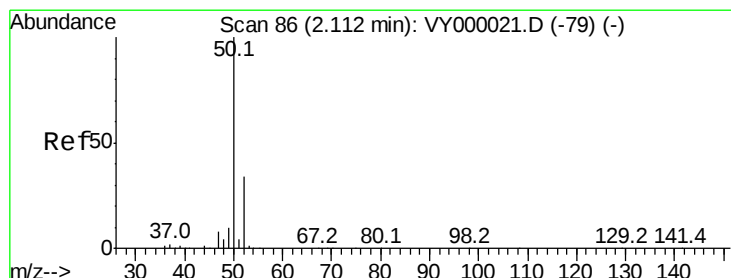
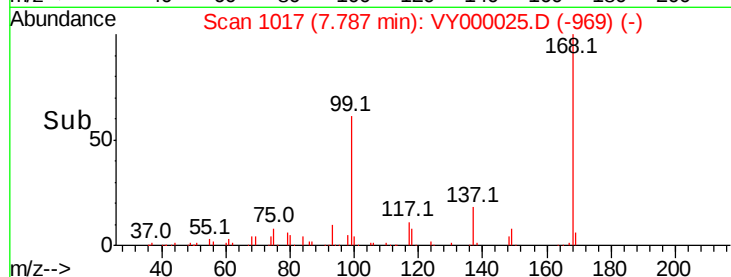
40000

20000

0

Time-->

7.70 7.80 7.90



#3

Chloromethane

Concen: Below Cal

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000025.D

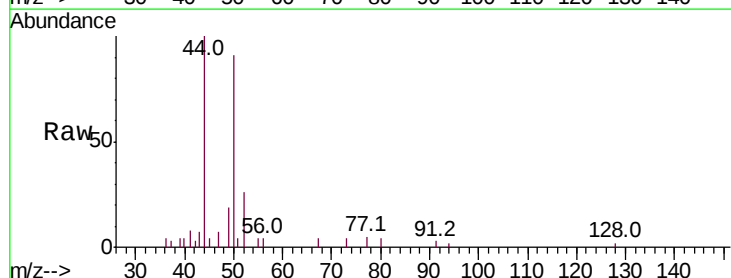
Acq: 12 Sep 2019 14:31

Tgt Ion: 50 Resp: 3991

Ion Ratio Lower Upper

50 100

52 28.2 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VY000021.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VY000021.D (-79) (-)

2.11

3000

2500

2000

1500

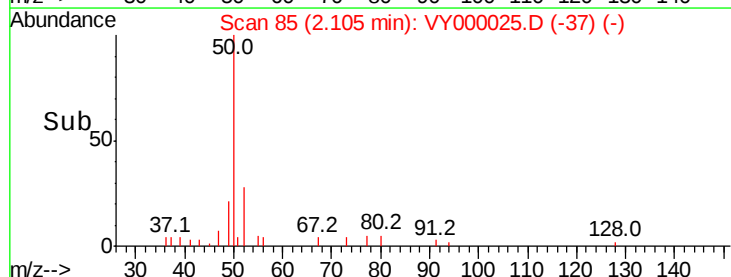
1000

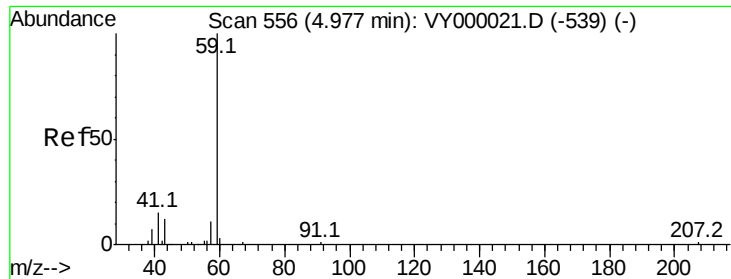
500

0

Time-->

2.05 2.10 2.15

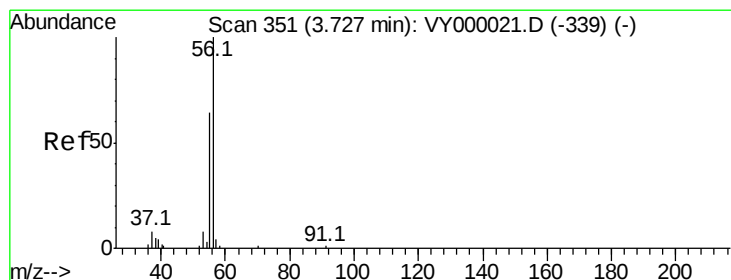
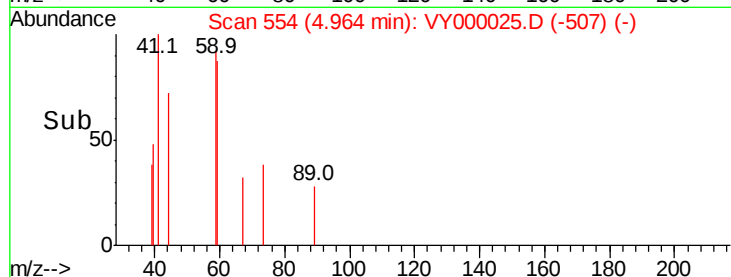
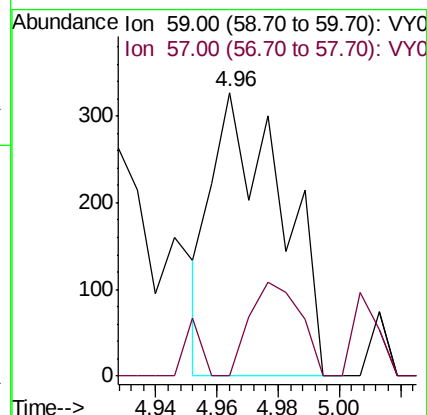
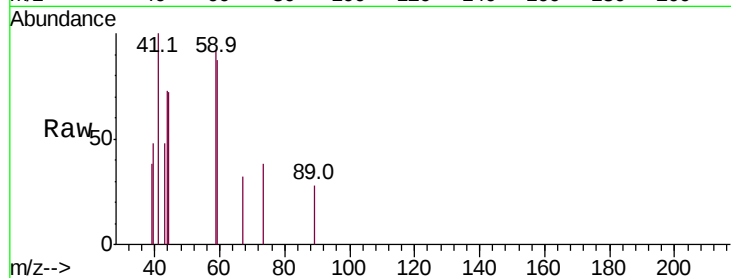




#11
Tert butyl alcohol
Concen: 2.623 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.01 min
Lab File: VY000025.D
Acq: 12 Sep 2019 14:31

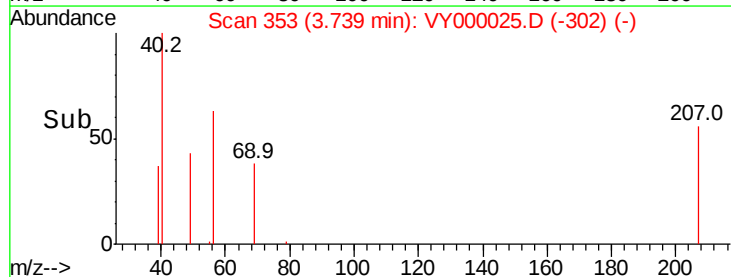
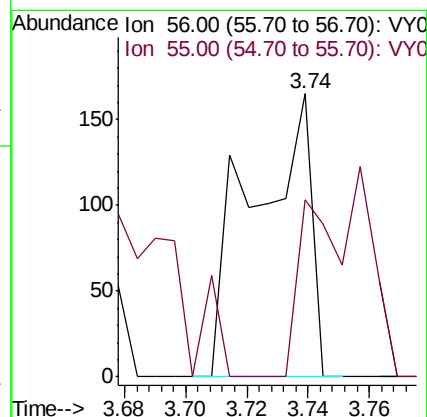
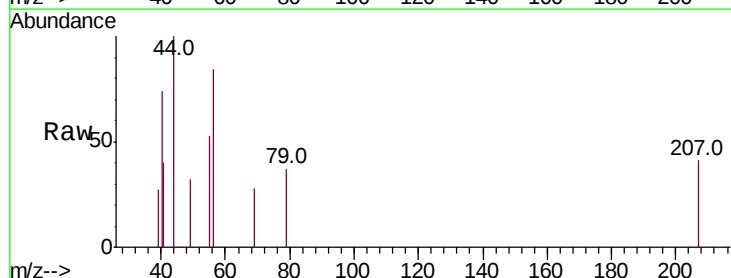
Instrument :
MSVOA_Y
ClientSampled :

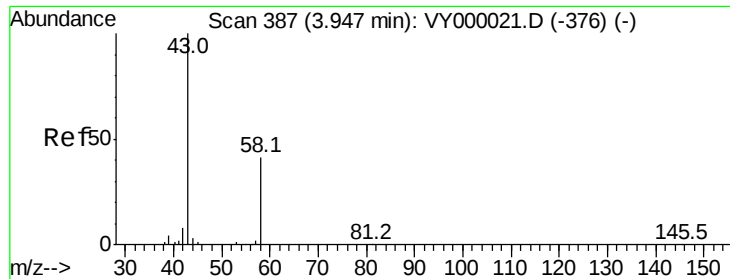
Tot Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 24.0 8.3 12.5#



#13
Acrolein
Concen: Below Cal
RT: 3.74 min Scan# 353
Delta R.T. 0.01 min
Lab File: VY000025.D
Acq: 12 Sep 2019 14:31

Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 72.6 56.7 85.1





#16

Acetone

Concen: 4.666 ug/l

RT: 3.95 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_Y

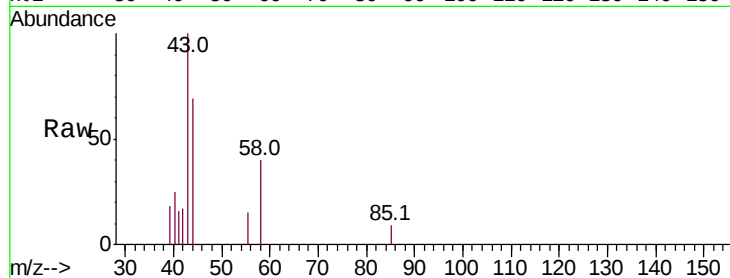
ClientSampled :

Tot Ion: 43 Resp: 2002

Ion Ratio Lower Upper

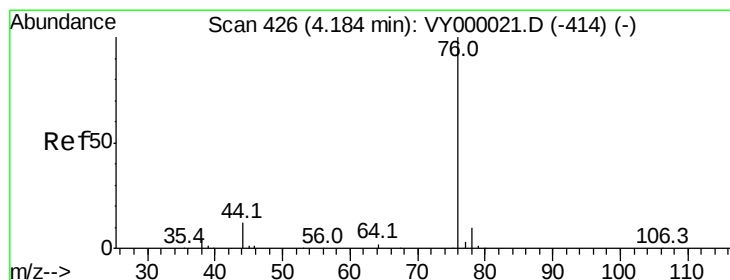
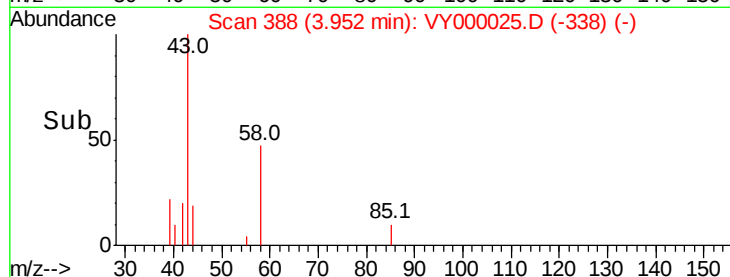
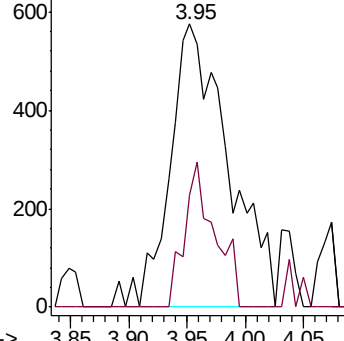
43 100

58 39.7 32.5 48.7



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: 4.17 min Scan# 424

Delta R.T. -0.01 min

Lab File: VY000025.D

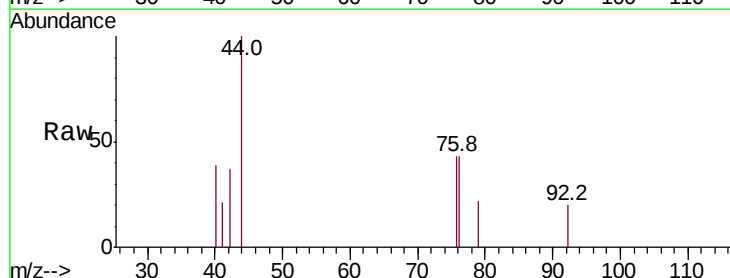
Acq: 12 Sep 2019 14:31

Tgt Ion: 76 Resp: 187

Ion Ratio Lower Upper

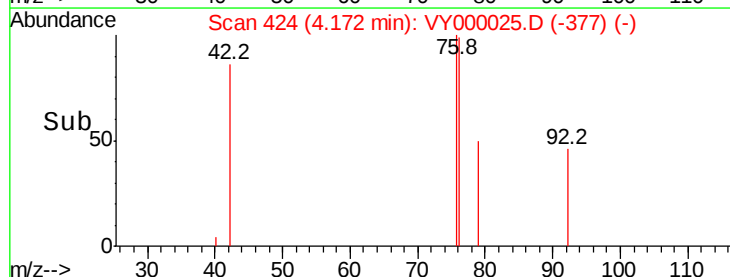
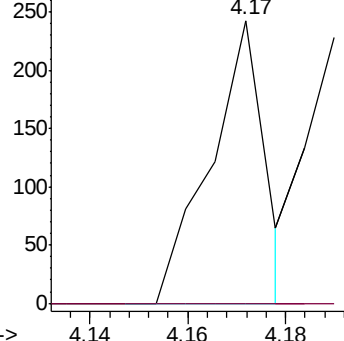
76 100

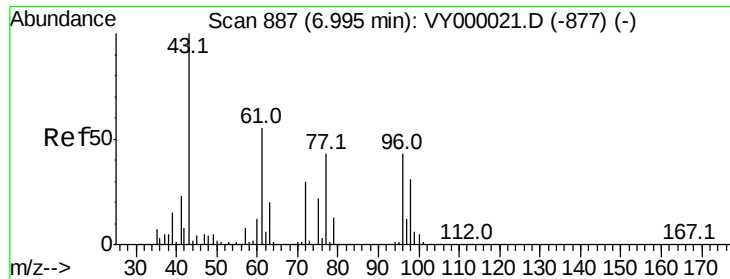
78 0.0 7.6 11.4#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0





#25

2-Butanone

Concen: 4.144 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.01 min

Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

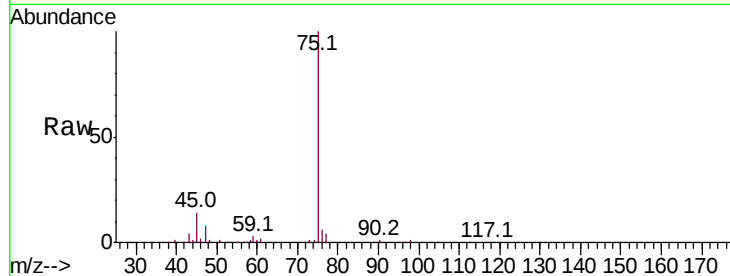
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2890

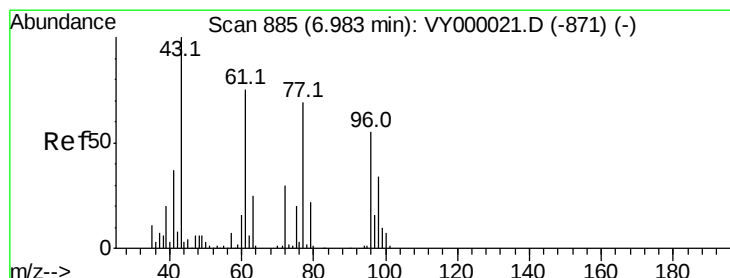
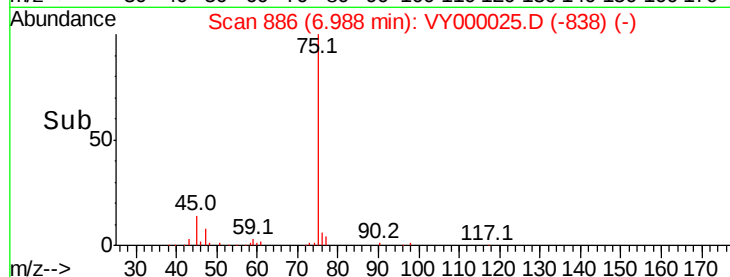
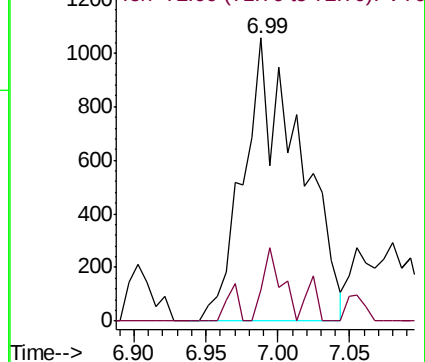
Ion Ratio Lower Upper

43 100

72 11.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 1.715 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000025.D

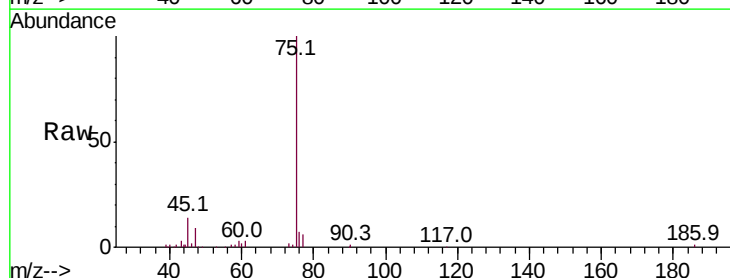
Acq: 12 Sep 2019 14:31

Tgt Ion: 77 Resp: 4284

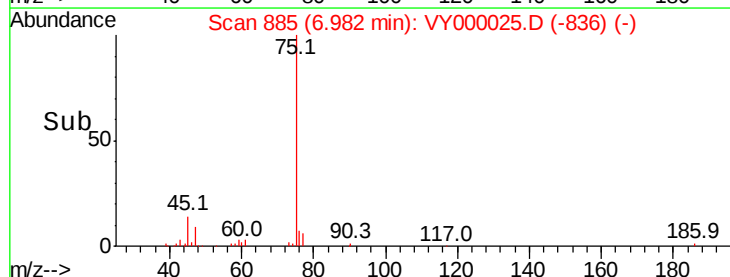
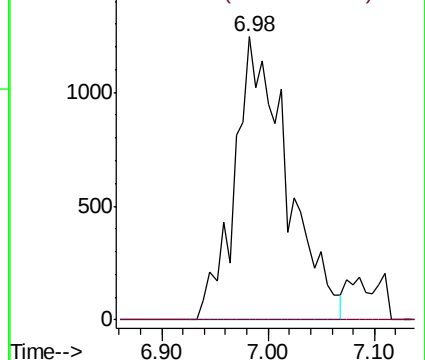
Ion Ratio Lower Upper

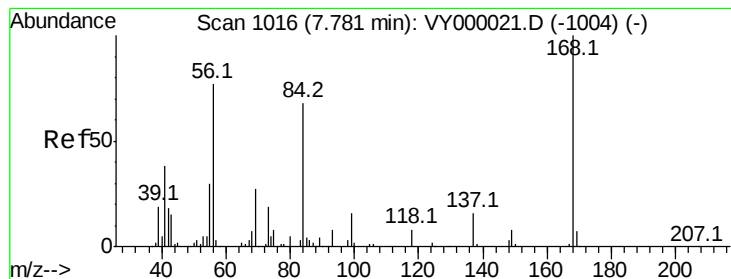
77 100

97 0.0 12.0 36.1#



Abundance Ion 76.90 (76.60 to 77.60): VY0
Ion 96.90 (96.60 to 97.60): VY0





#31

Cyclohexane

Concen: Below Cal

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

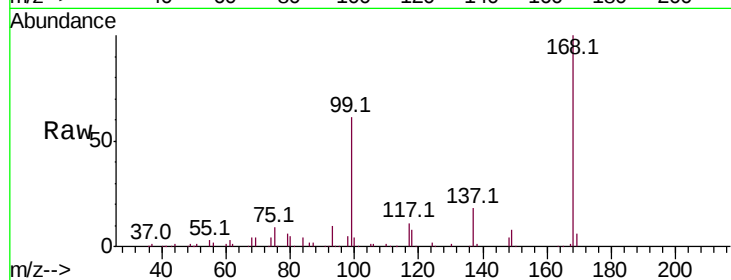
Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

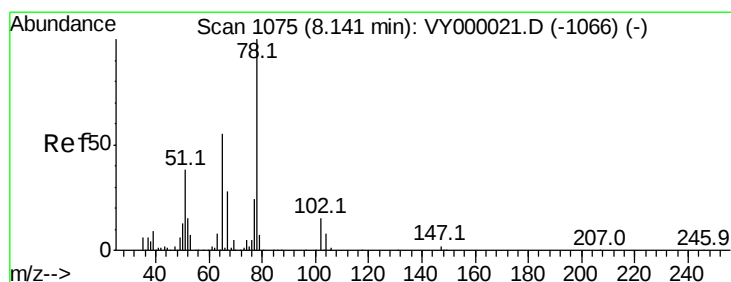
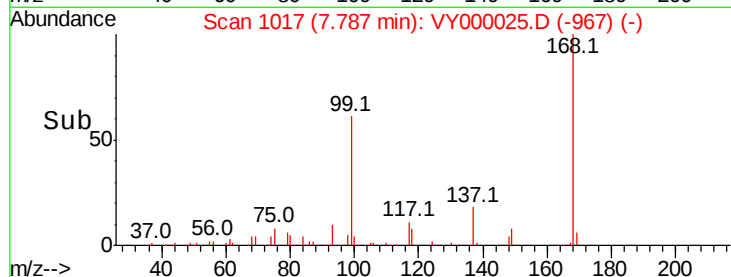
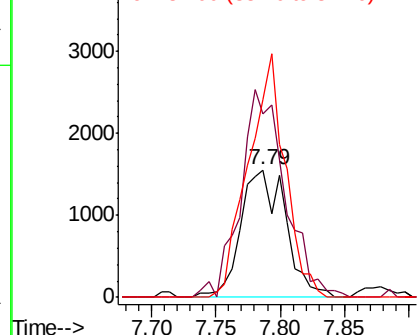
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 3778

Ion	Ratio	Lower	Upper
56	100		
69	143.9	28.0	42.0#
84	155.2	70.4	105.6#



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: 51.307 ug/l

RT: 8.14 min Scan# 1075

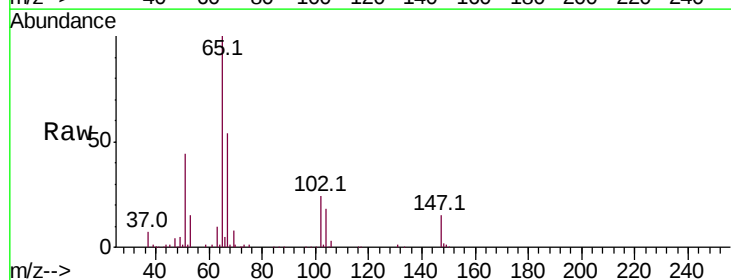
Delta R.T. -0.00 min

Lab File: VY000025.D

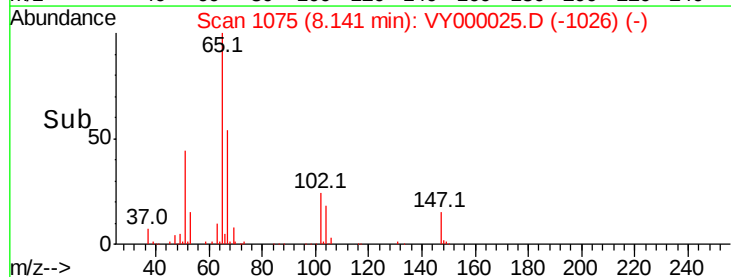
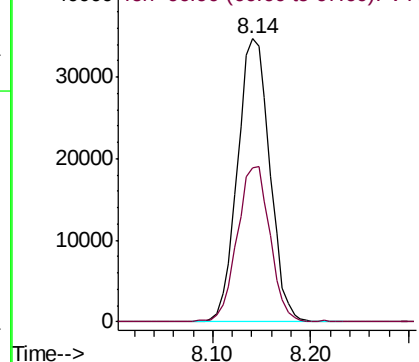
Acq: 12 Sep 2019 14:31

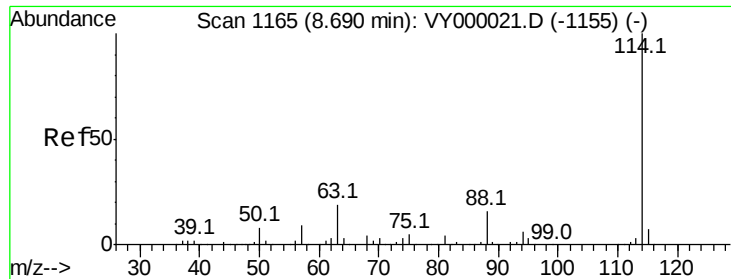
Tgt Ion: 65 Resp: 79386

Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	104.4



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

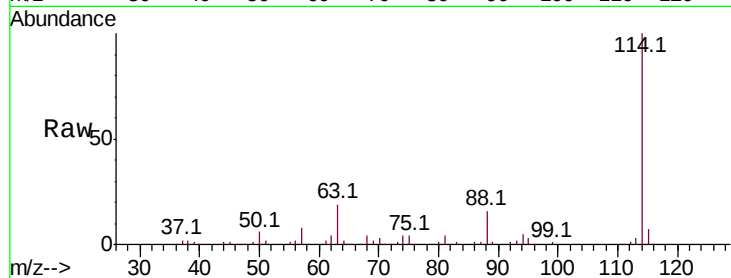




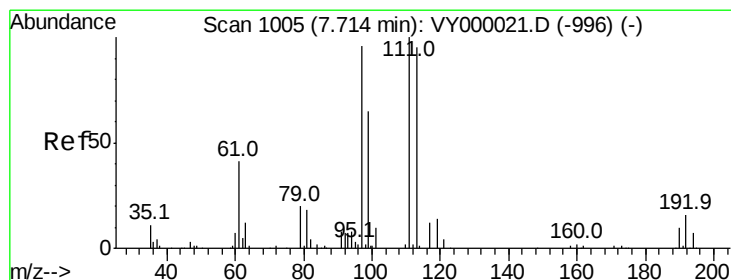
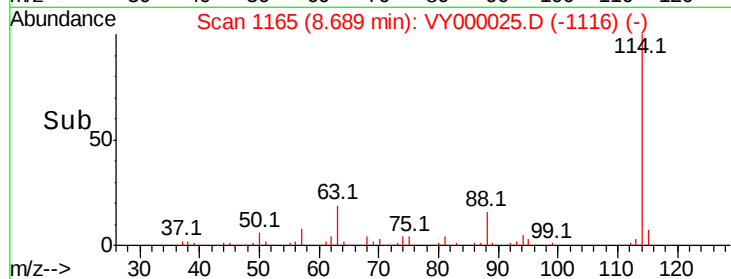
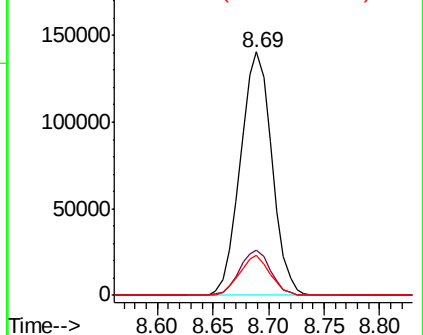
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000025.D
 Acq: 12 Sep 2019 14:31

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 276346
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.6
 88 16.4 0.0 31.8

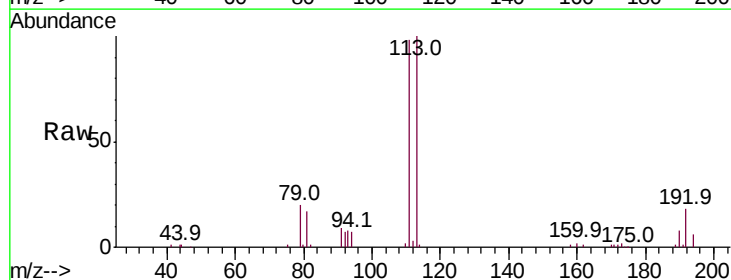


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

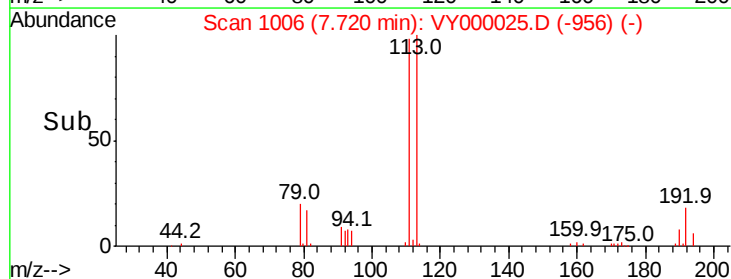
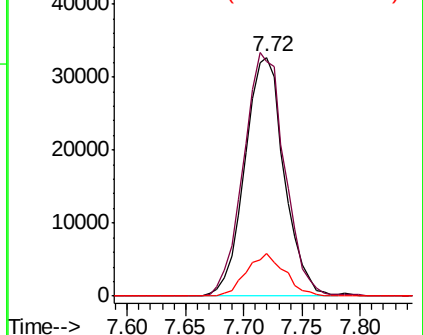


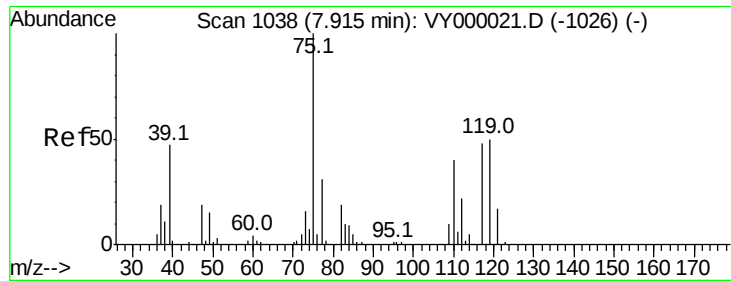
#35
 Dibromofluoromethane
 Concen: 48.602 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000025.D
 Acq: 12 Sep 2019 14:31

Tgt Ion:113 Resp: 77053
 Ion Ratio Lower Upper
 113 100
 111 106.7 83.9 125.9
 192 17.5 14.5 21.7



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

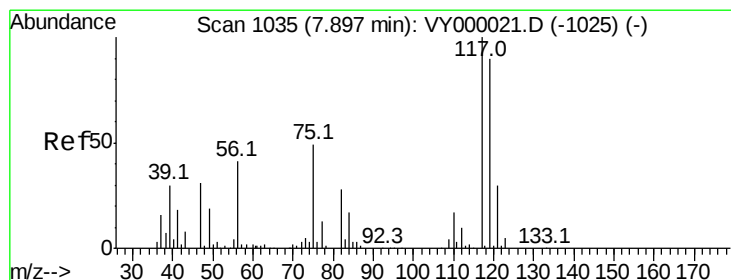
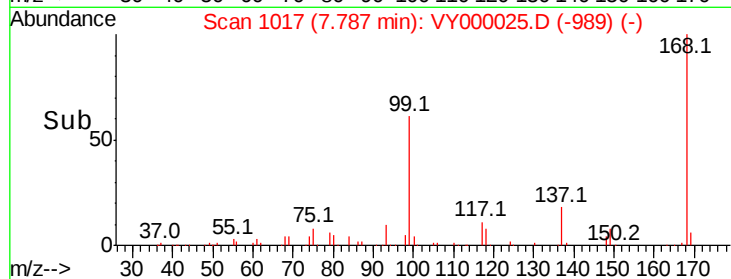
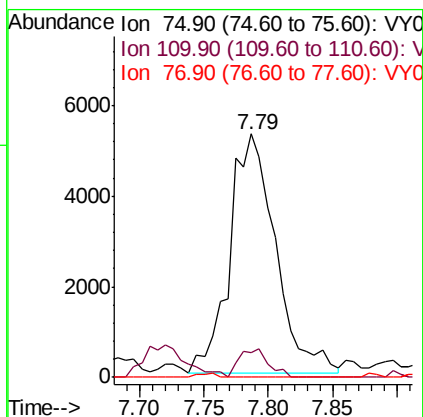
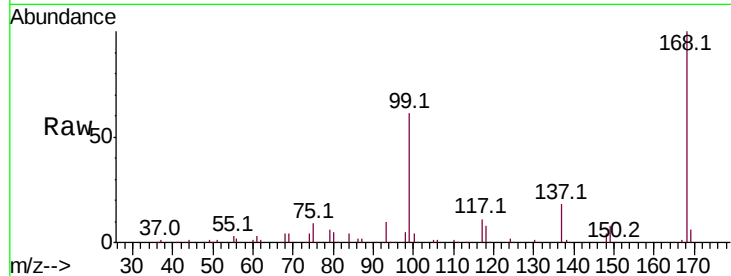




#36
 1,1-Dichloropropene
 Concen: 6.408 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.13 min
 Lab File: VY000025.D
 Acq: 12 Sep 2019 14:31

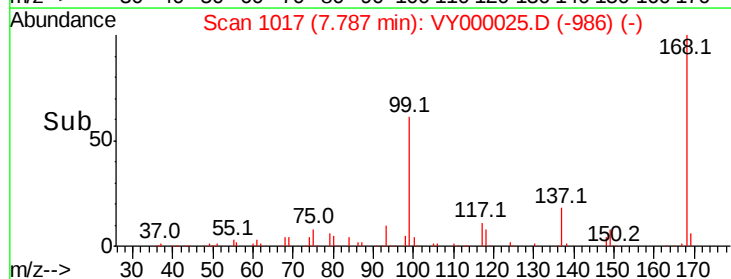
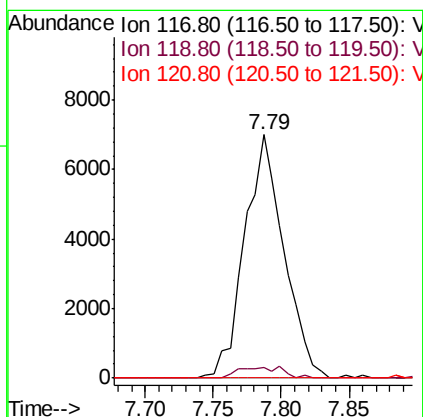
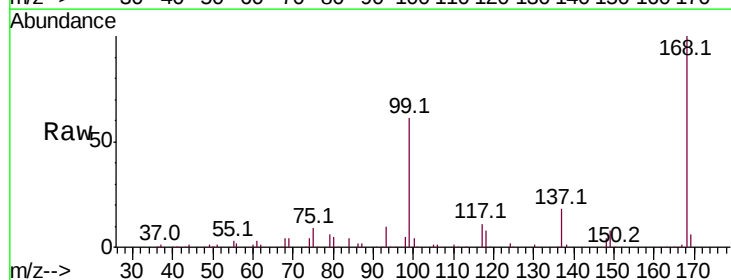
Instrument :
 MSVOA_Y
 ClientSampleId :

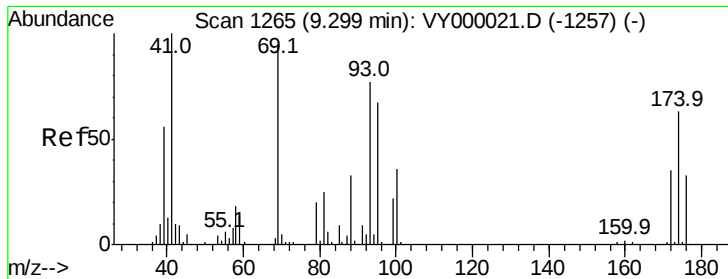
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.6	18.6	55.8#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 7.397 ug/l
 RT: 7.79 min Scan# 1017
 Delta R.T. -0.11 min
 Lab File: VY000025.D
 Acq: 12 Sep 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	72.1	108.1#
121	0.0	23.9	35.9#





#49

1,4-Dioxane

Concen: 2.273 ug/l

RT: 9.30 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

Instrument :
MSVOA_Y
ClientSampled :

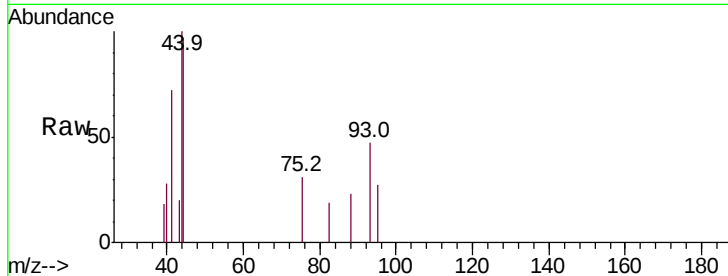
Tot Ion: 88 Resp: 45

Ion Ratio Lower Upper

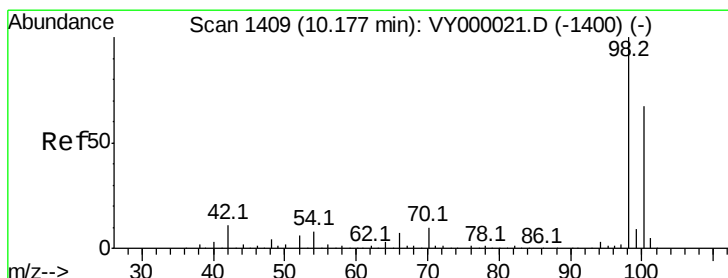
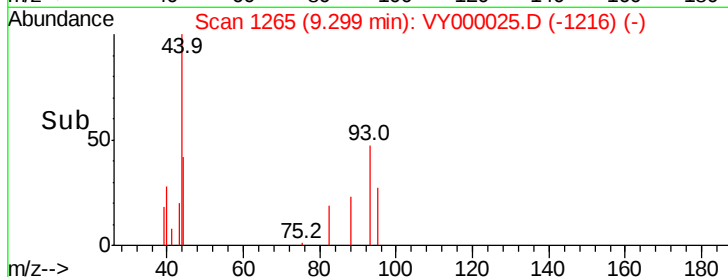
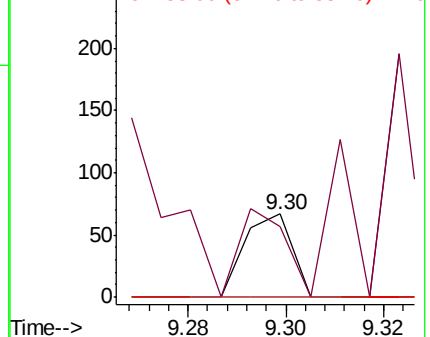
88 100

43 104.4 24.6 37.0#

58 0.0 52.7 79.1#



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.648 ug/l

RT: 10.18 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VY000025.D

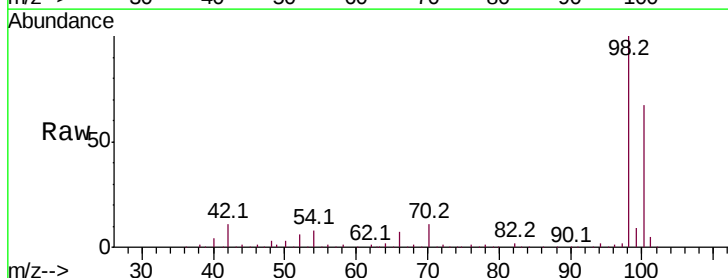
Acq: 12 Sep 2019 14:31

Tgt Ion: 98 Resp: 329675

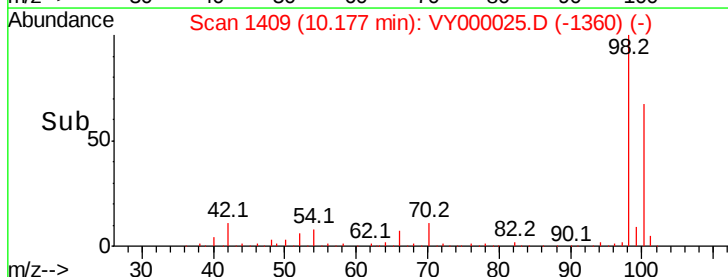
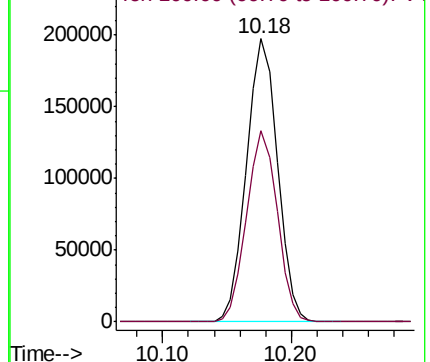
Ion Ratio Lower Upper

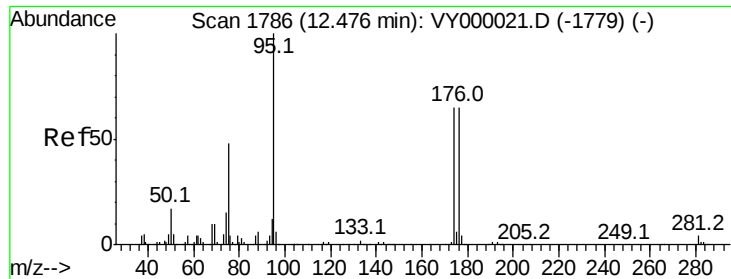
98 100

100 66.7 54.0 81.0



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





#62

4-Bromofluorobenzene

Concen: 47.722 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_Y

ClientSampleId :

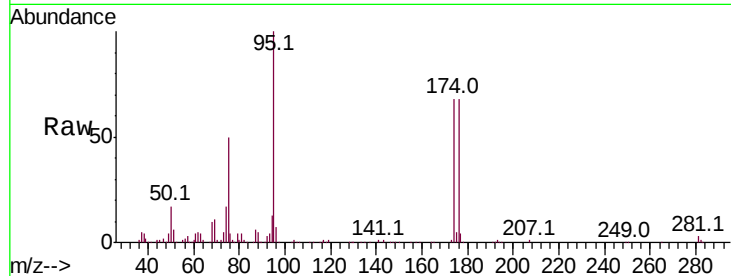
Tot Ion: 95 Resp: 110718

Ion Ratio Lower Upper

95 100

174 71.7 0.0 137.6

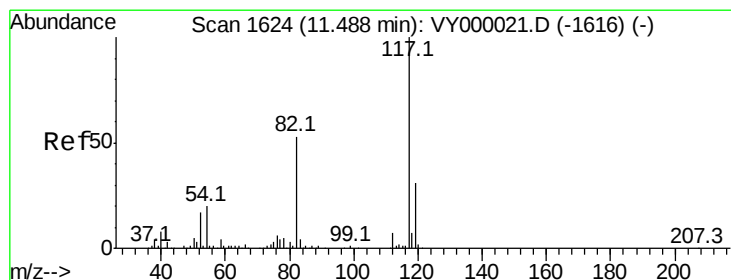
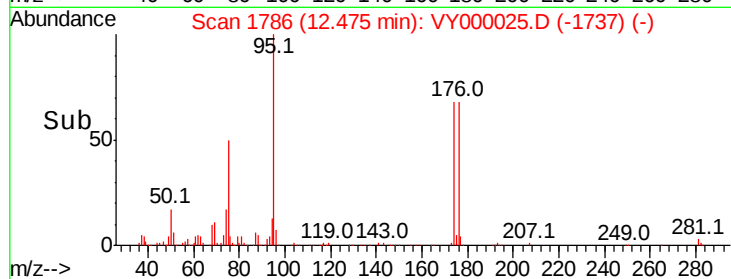
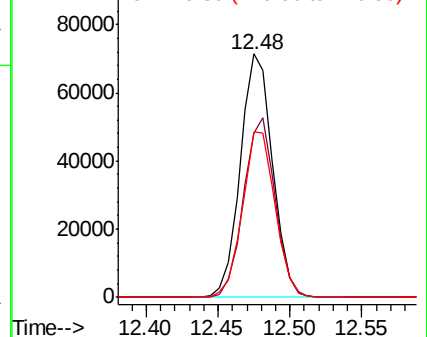
176 68.8 0.0 134.8



Abundance Ion 94.90 (94.60 to 95.60): VY000021.D (-1779) (-)

Ion 173.80 (173.50 to 174.50): VY000021.D (-1779) (-)

Ion 175.80 (175.50 to 176.50): VY000021.D (-1779) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1624

Delta R.T. -0.00 min

Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

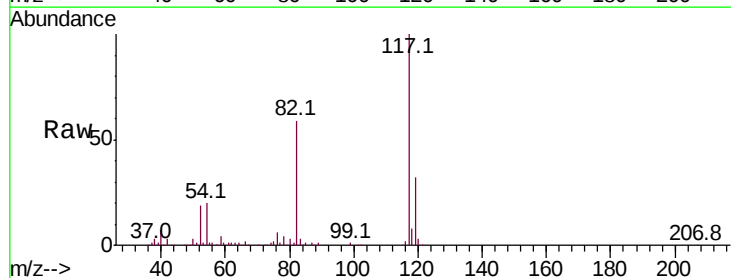
Tgt Ion: 117 Resp: 234770

Ion Ratio Lower Upper

117 100

82 59.3 42.5 63.7

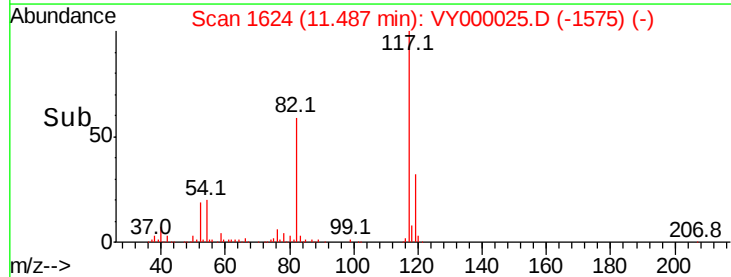
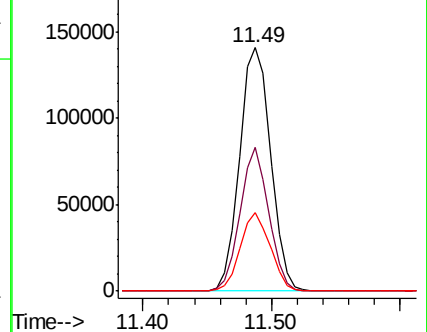
119 32.1 25.1 37.7

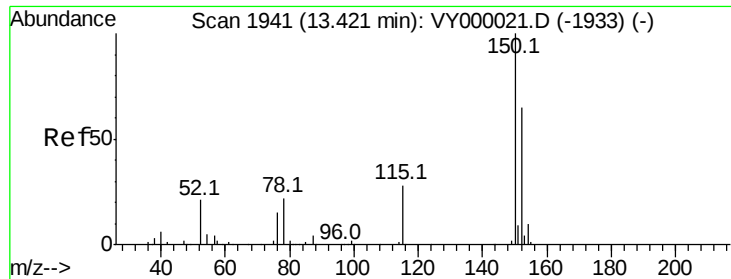


Abundance Ion 116.90 (116.60 to 117.60): VY000021.D (-1616) (-)

Ion 82.00 (81.70 to 82.70): VY000021.D (-1616) (-)

Ion 118.90 (118.60 to 119.60): VY000021.D (-1616) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000025.D

Acq: 12 Sep 2019 14:31

Instrument :

MSVOA_Y

ClientSampleId :

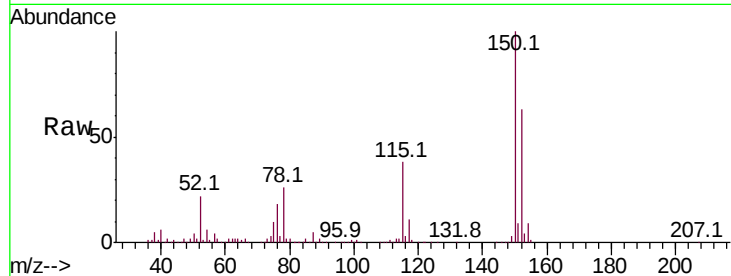
Tot Ion:152 Resp: 102526

Ion Ratio Lower Upper

152 100

115 61.1 29.4 88.2

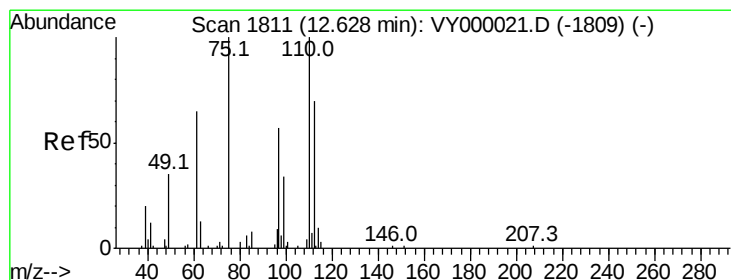
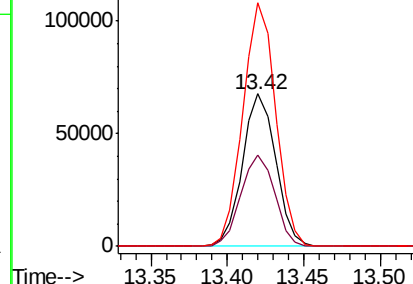
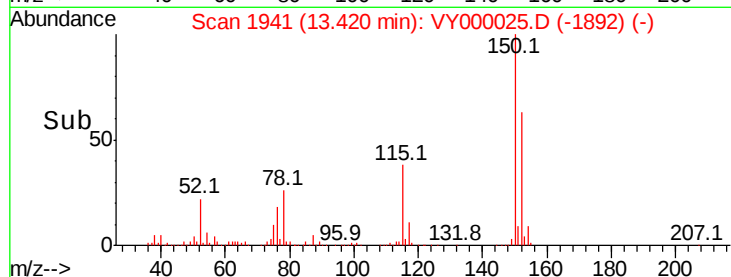
150 157.4 0.0 349.0



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: 38.185 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.15 min

Lab File: VY000025.D

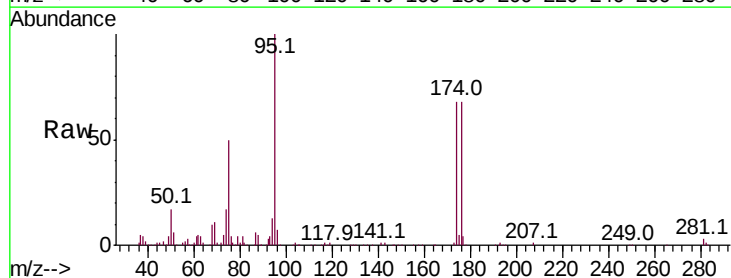
Acq: 12 Sep 2019 14:31

Tgt Ion: 75 Resp: 54377

Ion Ratio Lower Upper

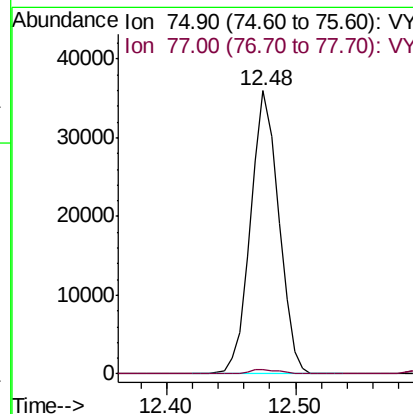
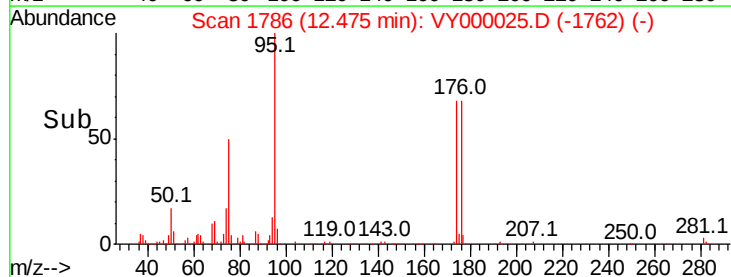
75 100

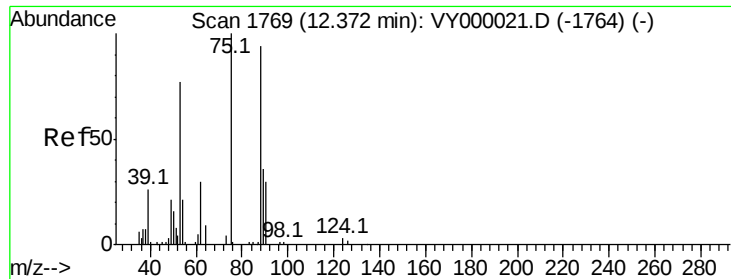
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

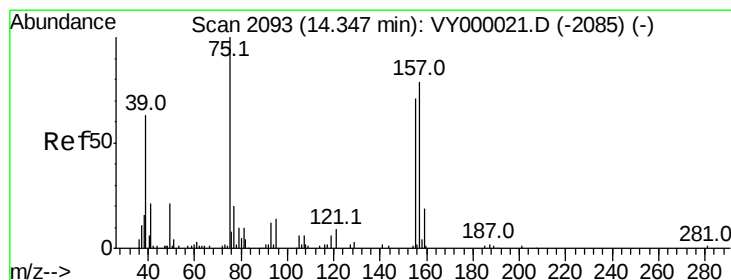
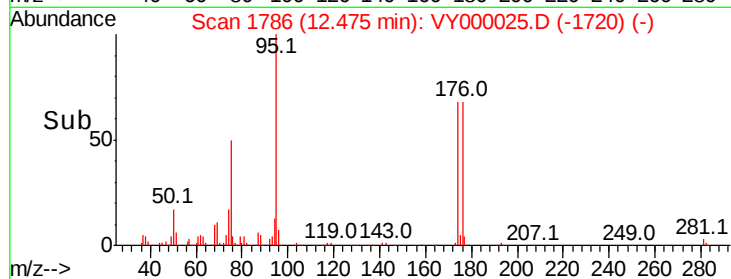
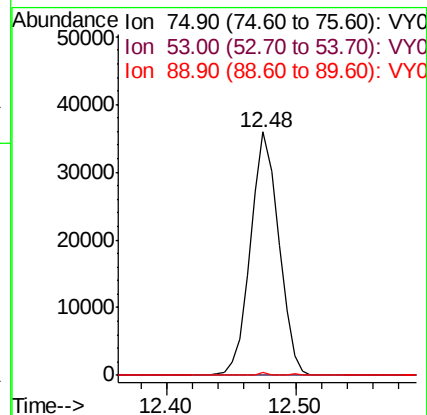
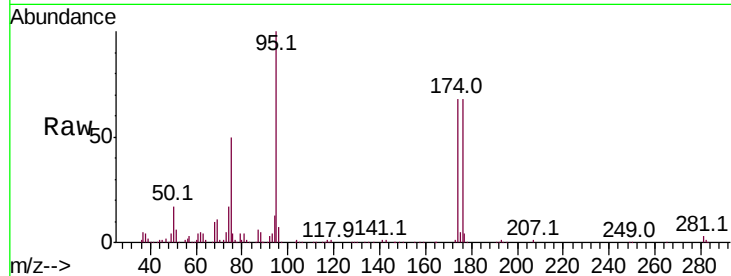




#81
trans-1,4-Dichloro-2-butene
Concen: 75.742 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. 0.10 min
Lab File: VY000025.D
Acq: 12 Sep 2019 14:31

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 75 Resp: 54377
Ion Ratio Lower Upper
75 100
53 0.1 64.2 96.2#
89 0.3 35.5 53.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.36 min Scan# 2095
Delta R.T. 0.01 min
Lab File: VY000025.D
Acq: 12 Sep 2019 14:31

Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
155 0.0 41.8 125.3#
157 0.0 51.3 153.9#

