

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001736.D
 Acq On : 21 Feb 2020 12:51
 Operator : SY/MD
 Sample : L1623-01
 Misc : 5.86G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:42:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	172764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	325531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	286888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	124592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	104801	56.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	112.80%	
35) Dibromofluoromethane	7.74	113	93254	50.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.04%	
50) Toluene-d8	10.19	98	393726	53.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.80%	
62) 4-Bromofluorobenzene	12.50	95	133268	46.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.92%	

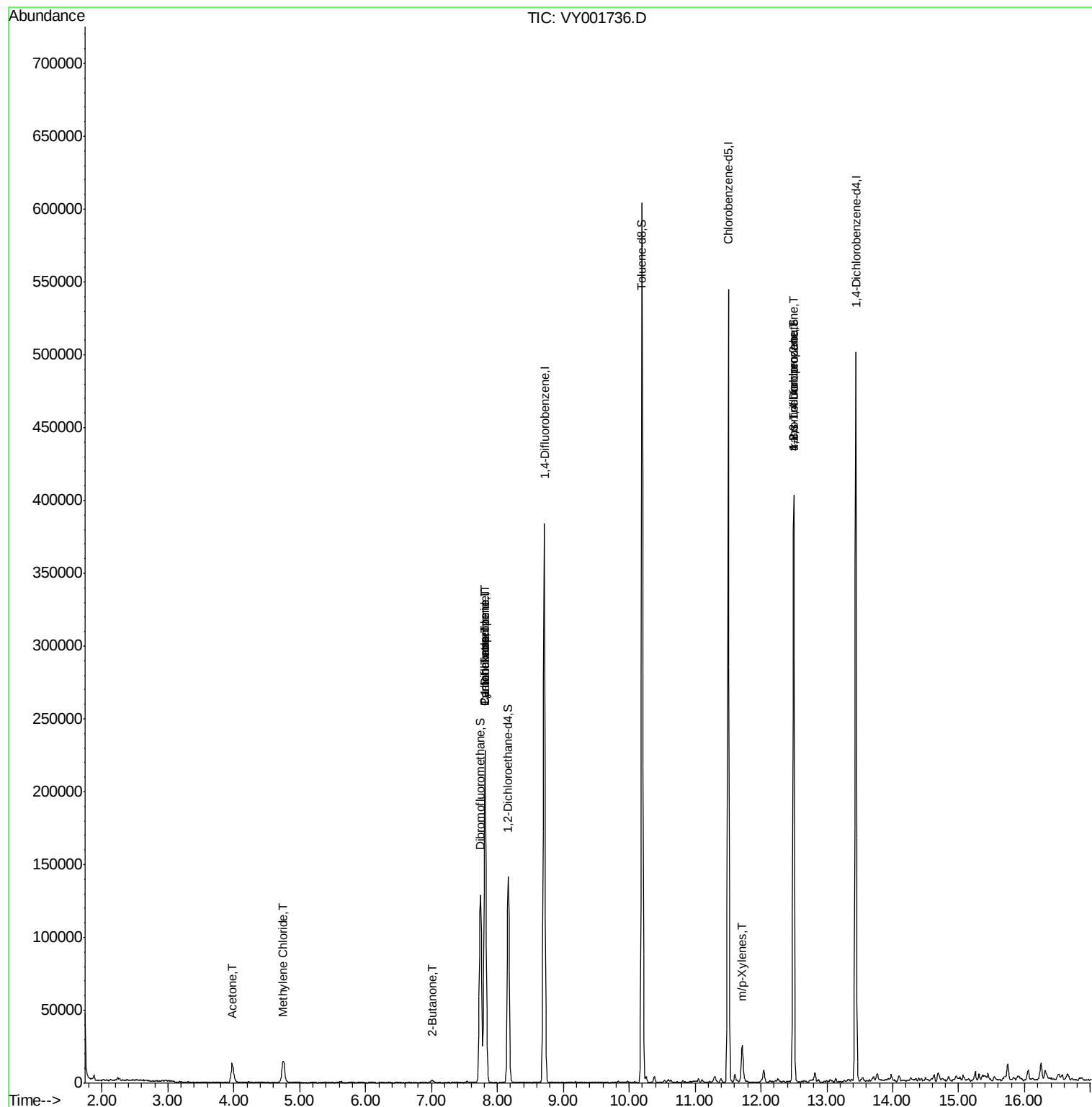
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	115	Below Cal	#	74
16) Acetone	3.97	43	24042	37.390	ug/l	99
20) Methylene Chloride	4.75	84	11439	5.008	ug/l	92
25) 2-Butanone	7.02	43	937	1.073	ug/l #	48
31) Cyclohexane	7.81	56	3931	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	14797	4.759	ug/l #	49
38) Carbon Tetrachloride	7.82	117	17014	6.229	ug/l #	18
68) m/p-Xylenes	11.71	106	6507	1.639	ug/l	91
76) 1,2,3-Trichloropropane	12.50	75	68181	47.705	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	68181	90.504	ug/l #	17

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.00 min

Lab File: VY001736.D

Acq: 21 Feb 2020 12:51

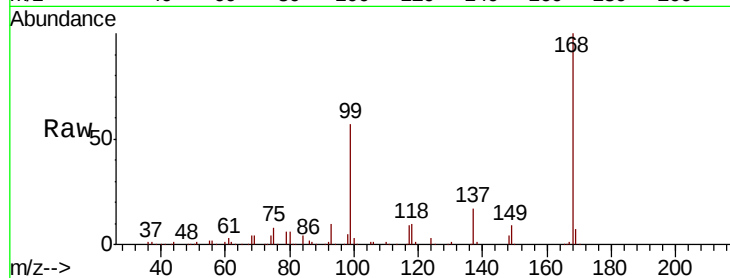
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 172764

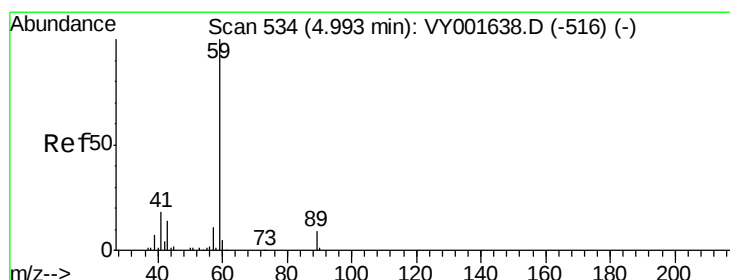
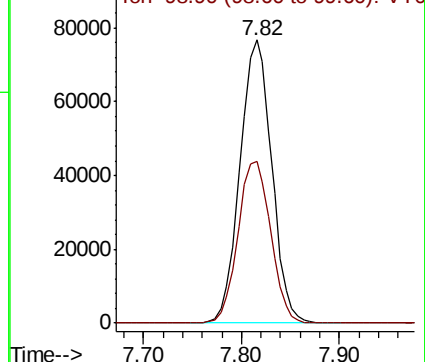
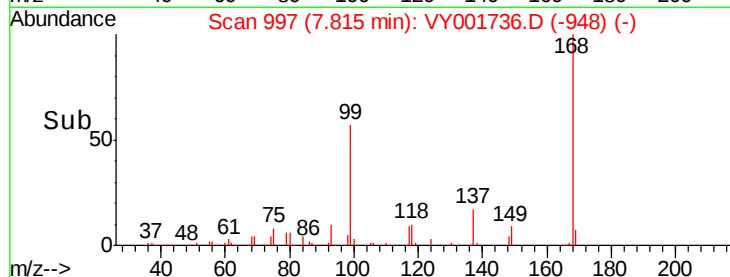
Ion Ratio Lower Upper

168 100

99 57.3 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001736.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 531

Delta R.T. -0.02 min

Lab File: VY001736.D

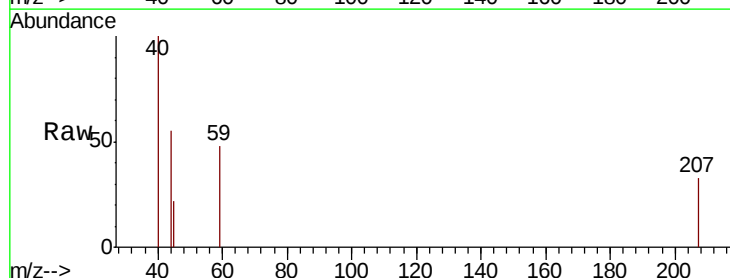
Acq: 21 Feb 2020 12:51

Tgt Ion: 59 Resp: 115

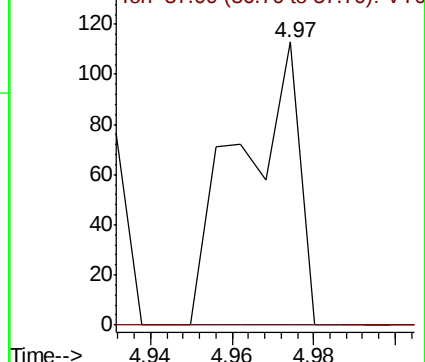
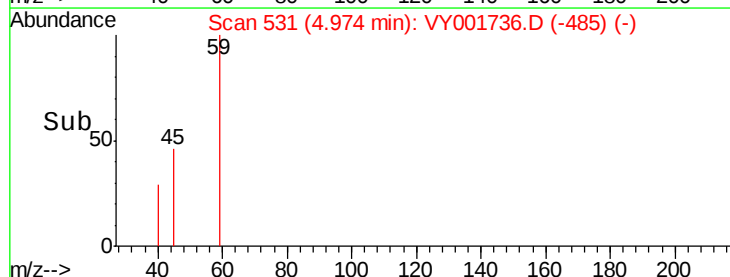
Ion Ratio Lower Upper

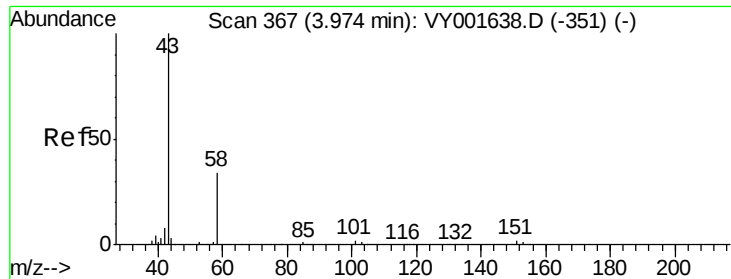
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001736.D (-485) (-)





#16

Acetone

Concen: 37.390 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY001736.D

Acq: 21 Feb 2020 12:51

Instrument :

MSVOA_Y

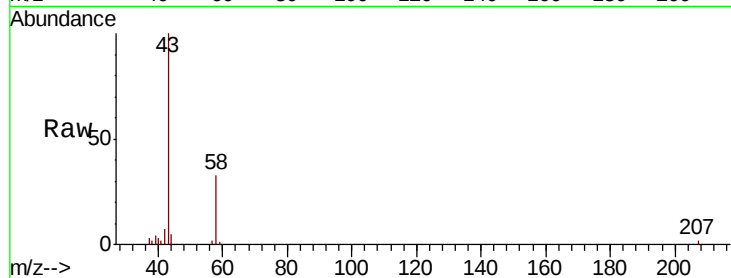
ClientSampleId :

Tot Ion: 43 Resp: 24042

Ion Ratio Lower Upper

43 100

58 33.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY001736.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001736.D (-351) (-)

3.97

8000

6000

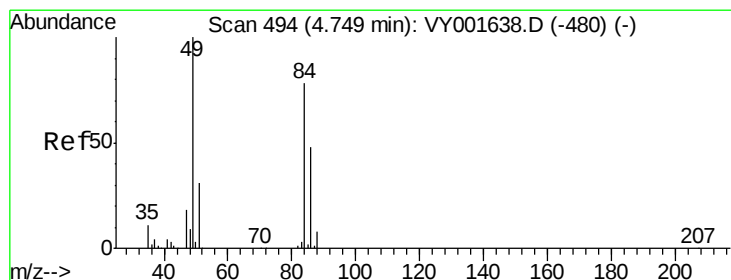
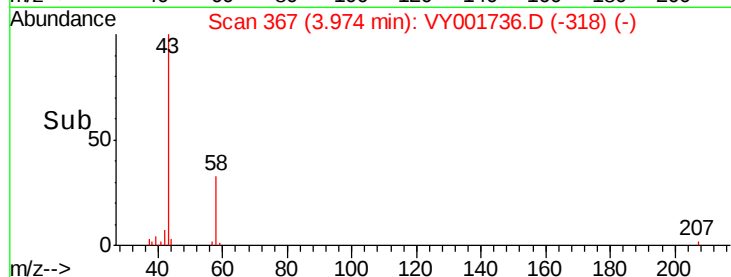
4000

2000

0

Time-->

3.90 4.00 4.10



#20

Methylene Chloride

Concen: 5.008 ug/l

RT: 4.75 min Scan# 494

Delta R.T. -0.00 min

Lab File: VY001736.D

Acq: 21 Feb 2020 12:51

Tgt Ion: 84 Resp: 11439

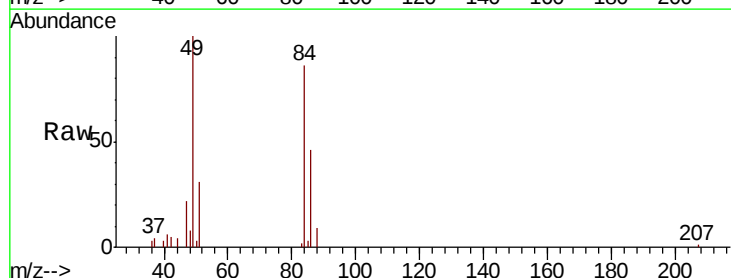
Ion Ratio Lower Upper

84 100

49 116.9 99.2 148.8

51 36.0 31.5 47.3

86 54.0 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001736.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001736.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001736.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001736.D (-480) (-)

4.75

6000

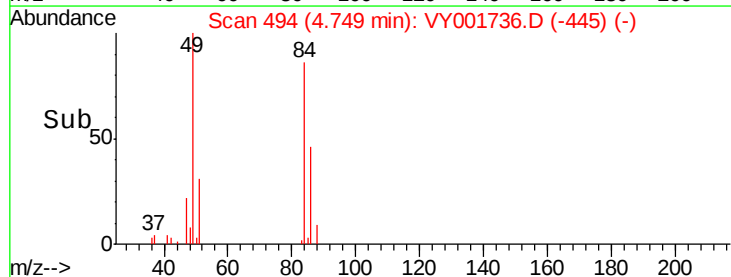
4000

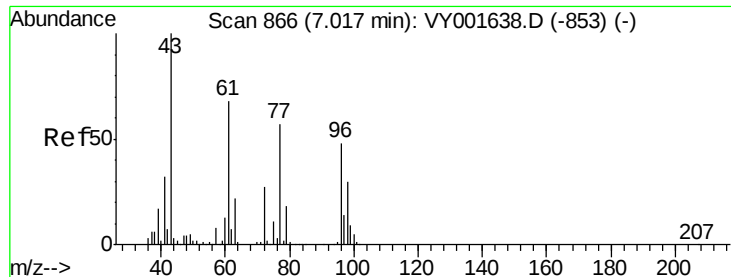
2000

0

Time-->

4.70 4.80





#25

2-Butanone

Concen: 1.073 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001736.D

Acq: 21 Feb 2020 12:51

Instrument :

MSVOA_Y

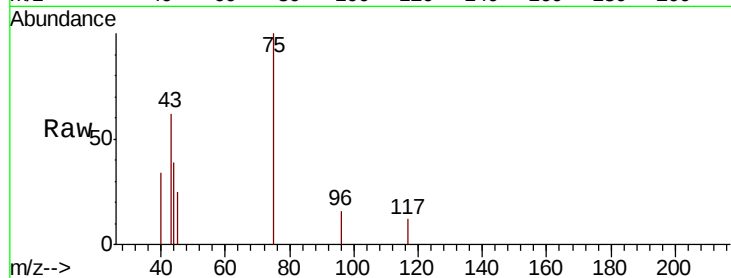
ClientSampleId :

Tot Ion: 43 Resp: 937

Ion Ratio Lower Upper

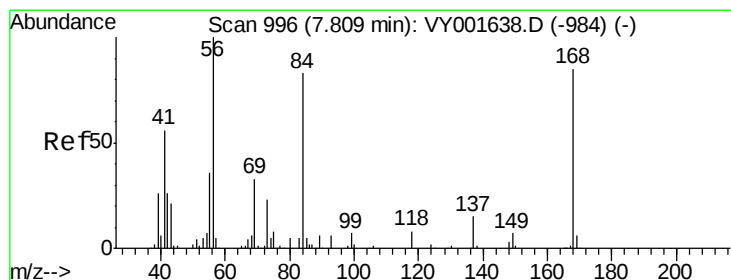
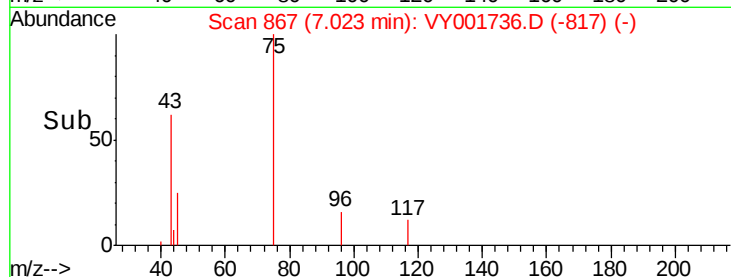
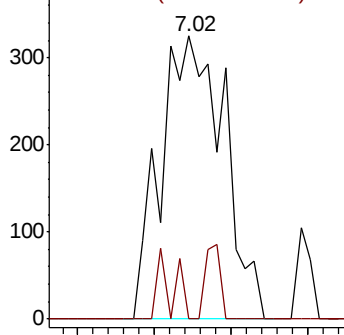
43 100

72 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.00 min

Lab File: VY001736.D

Acq: 21 Feb 2020 12:51

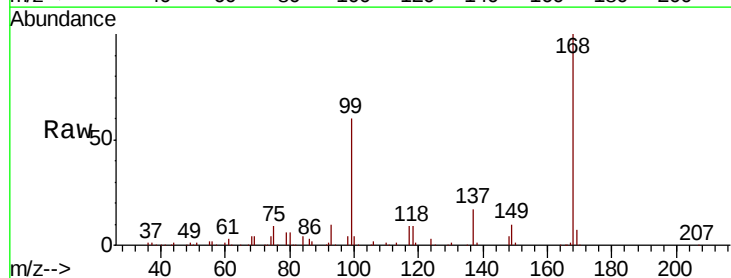
Tgt Ion: 56 Resp: 3931

Ion Ratio Lower Upper

56 100

69 170.7 25.1 37.7#

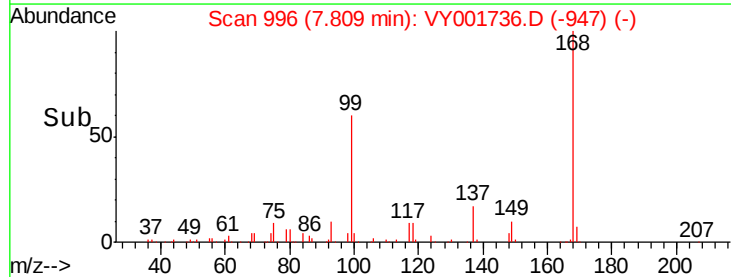
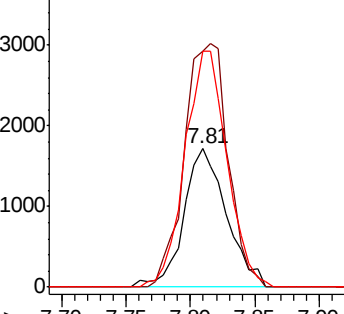
84 170.4 66.9 100.3#

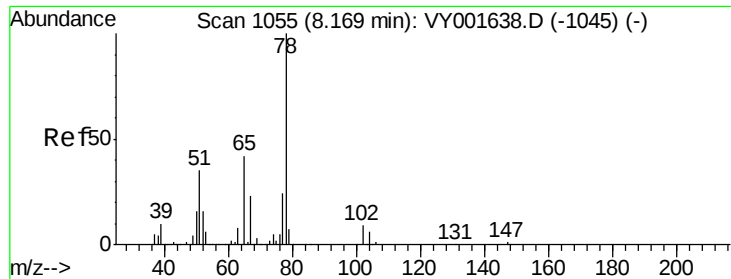


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

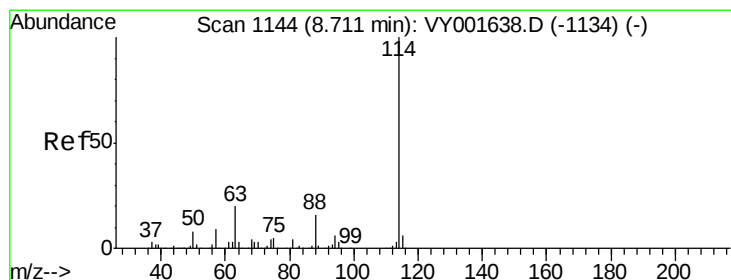
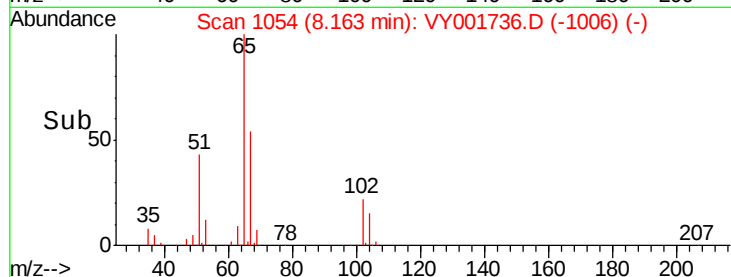
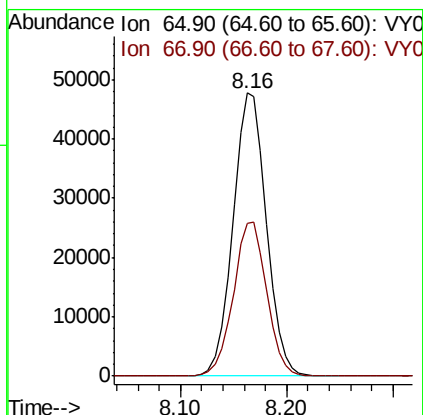
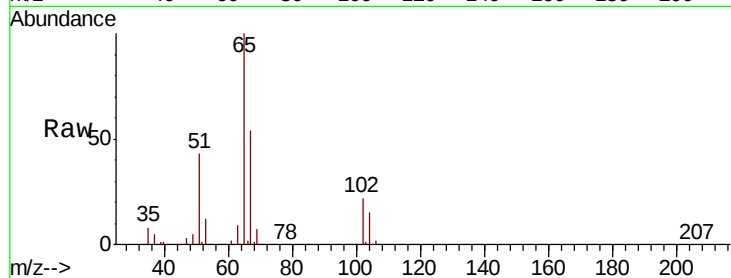




#33
 1,2-Dichloroethane-d4
 Concen: 56.395 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001736.D
 Acq: 21 Feb 2020 12:51

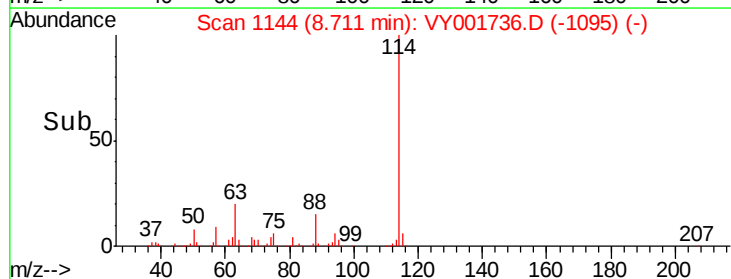
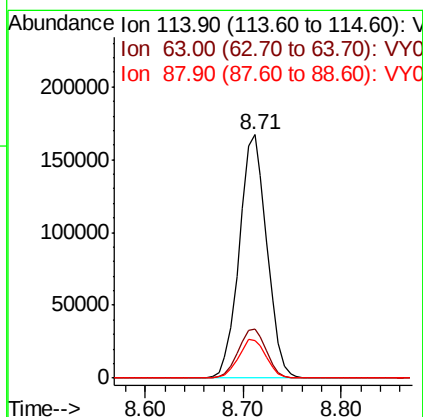
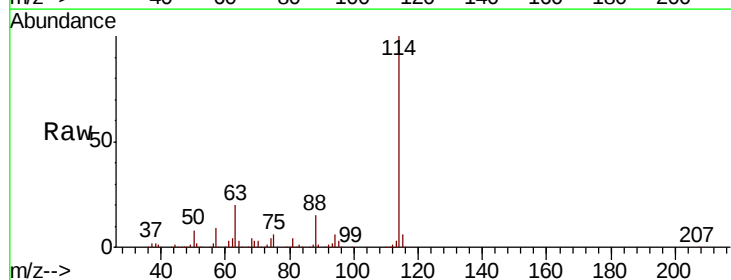
Instrument :
 MSVOA_Y
 ClientSampleId :

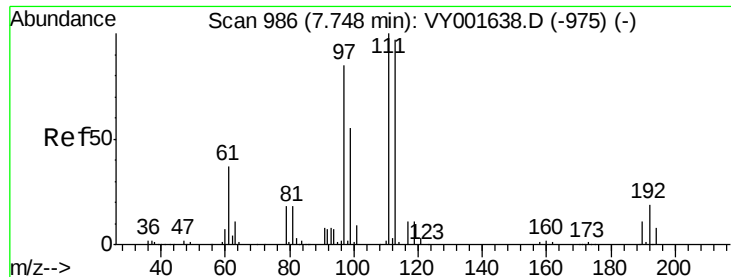
Tot Ion: 65 Resp: 104801
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001736.D
 Acq: 21 Feb 2020 12:51

Tgt Ion: 114 Resp: 325531
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 15.5 0.0 32.8

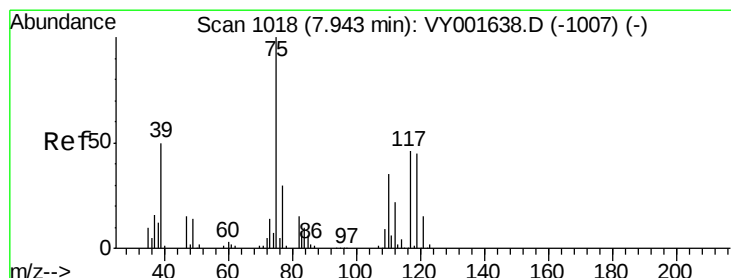
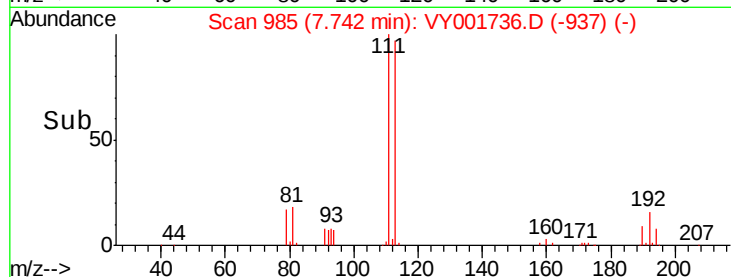
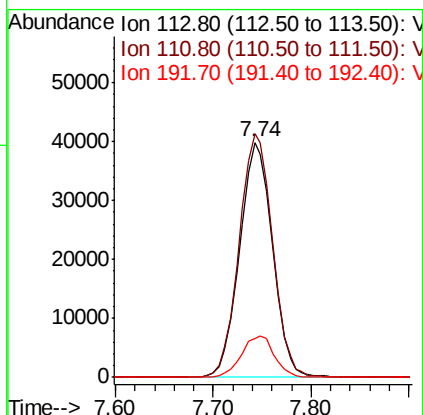
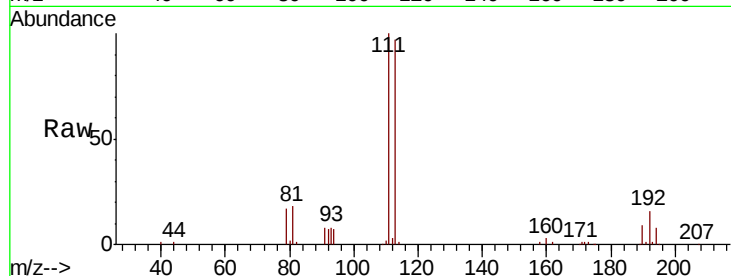




#35
 Dibromofluoromethane
 Concen: 50.016 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY001736.D
 Acq: 21 Feb 2020 12:51

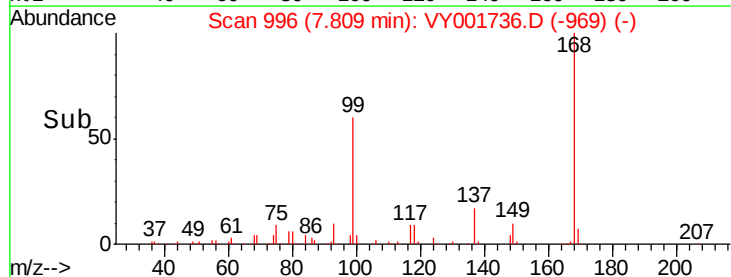
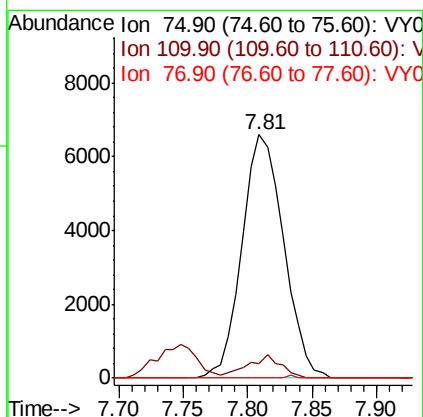
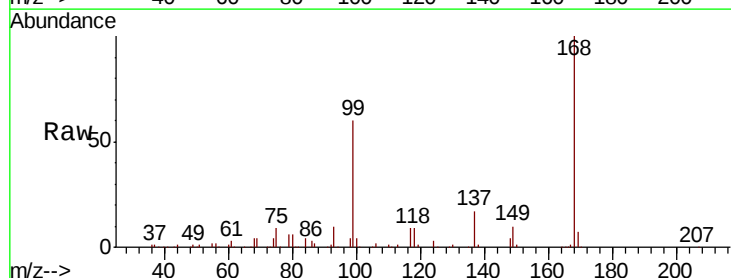
Instrument :
 MSVOA_Y
 ClientSampleId :

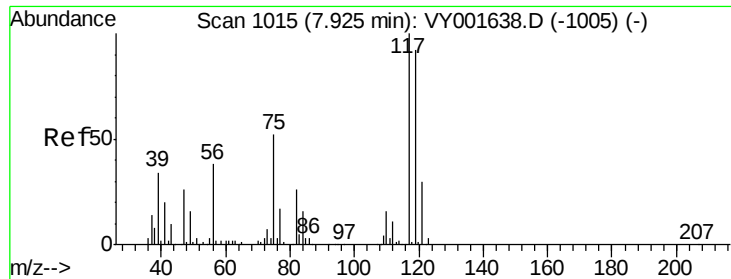
Tot Ion:113 Resp: 93254
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.9 122.9
 192 17.7 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001736.D
 Acq: 21 Feb 2020 12:51

Tgt Ion: 75 Resp: 14797
 Ion Ratio Lower Upper
 75 100
 110 7.6 17.2 51.6#
 77 0.0 24.8 37.2#

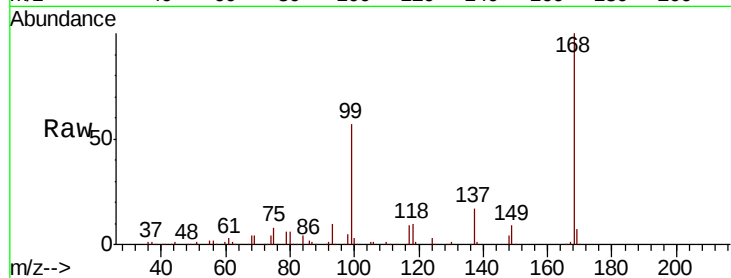




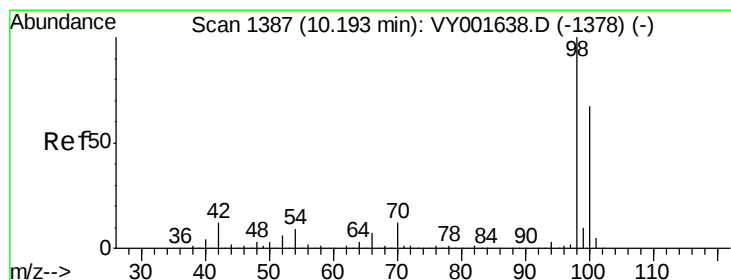
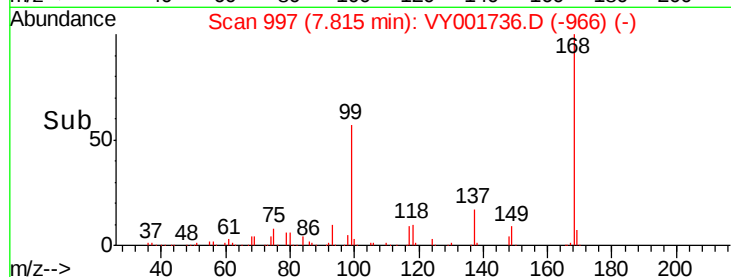
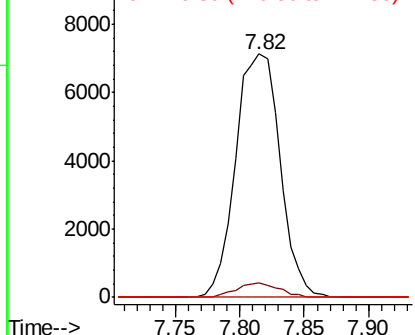
#38
Carbon Tetrachloride
Concen: 6.229 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001736.D
Acq: 21 Feb 2020 12:51

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 17014
Ion Ratio Lower Upper
117 100
119 6.0 74.8 112.2#
121 0.0 23.8 35.6#

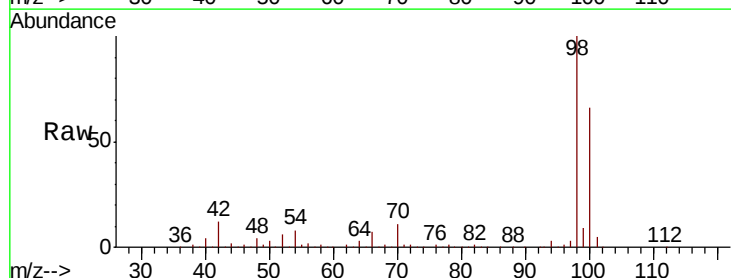


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

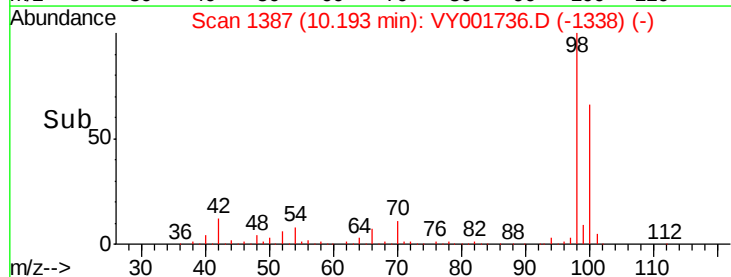
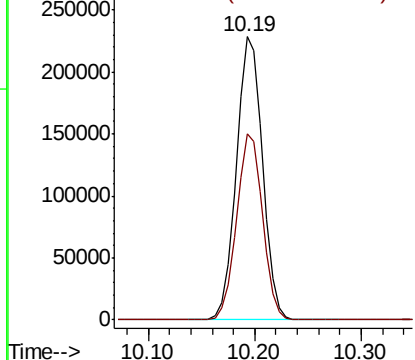


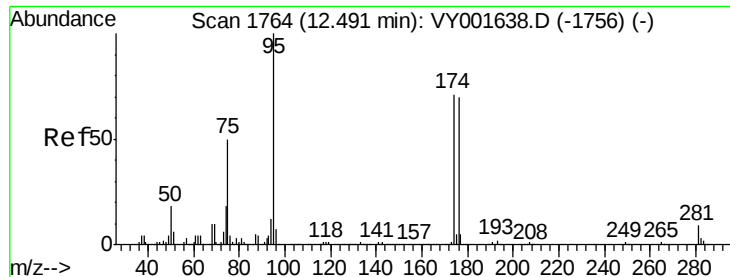
#50
Toluene-d8
Concen: 53.902 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VY001736.D
Acq: 21 Feb 2020 12:51

Tgt Ion: 98 Resp: 393726
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4



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

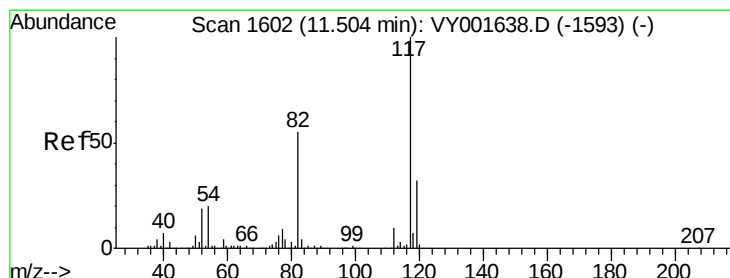
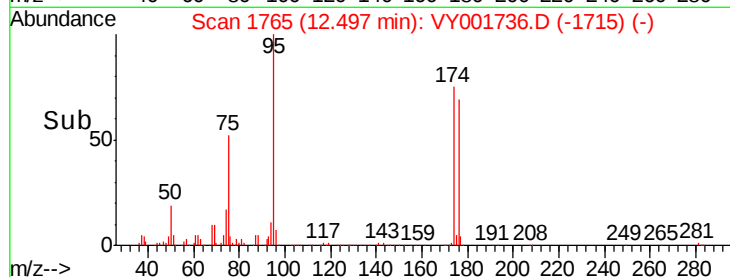
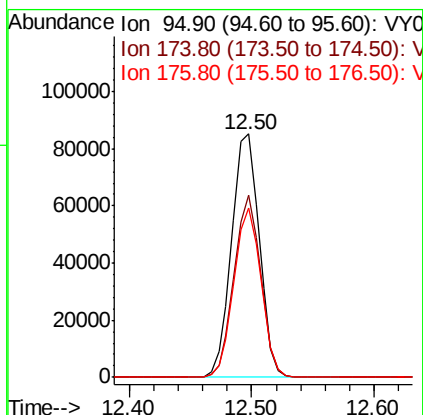
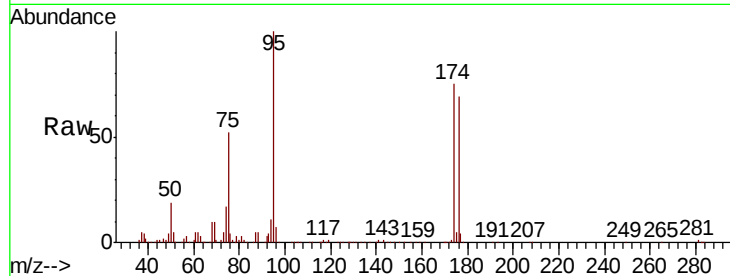




#62
4-Bromofluorobenzene
Concen: 46.963 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001736.D
Acq: 21 Feb 2020 12:51

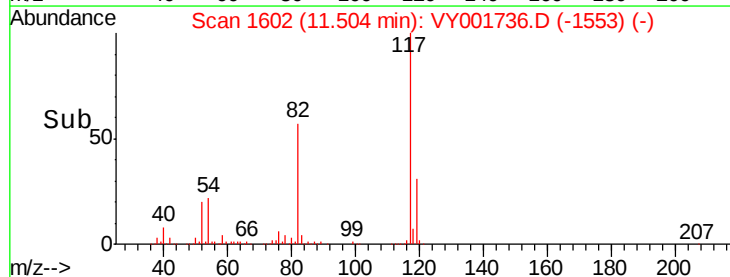
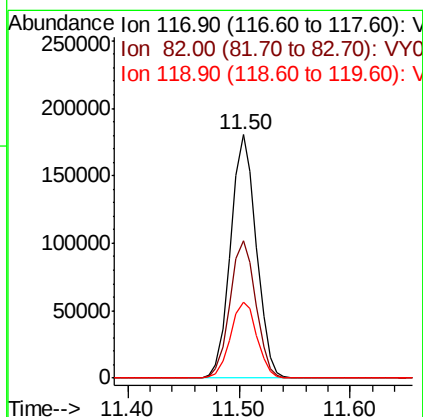
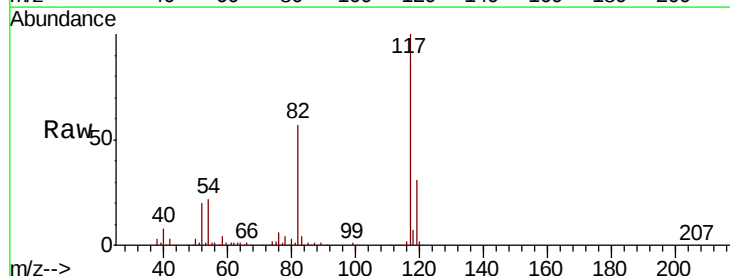
Instrument :
MSVOA_Y
ClientSampled :

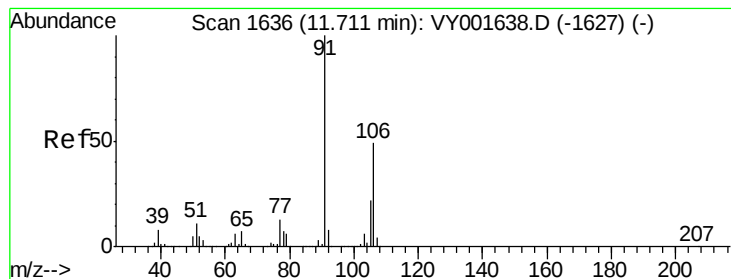
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	138.4
176	68.2	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001736.D
Acq: 21 Feb 2020 12:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.5	68.3
119	31.1	25.8	38.6





#68

m/p-Xvlenes

Concen: 1.639 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VY001736.D

Acq: 21 Feb 2020 12:51

Instrument :

MSVOA_Y

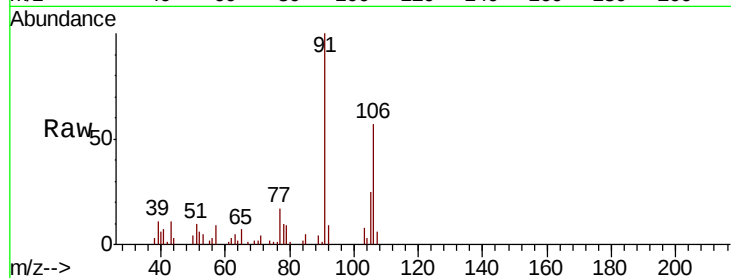
ClientSampleId :

Tot Ion:106 Resp: 6507

Ion Ratio Lower Upper

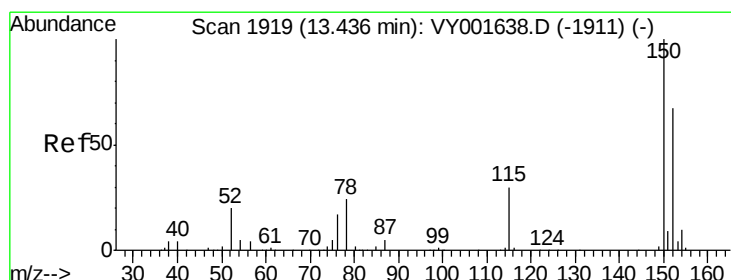
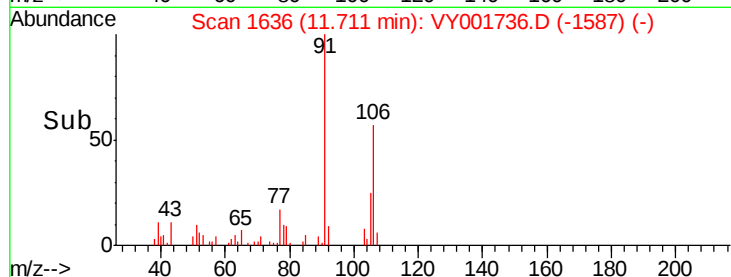
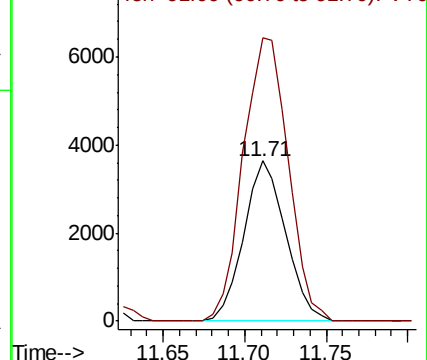
106 100

91 189.6 163.3 244.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001736.D

Acq: 21 Feb 2020 12:51

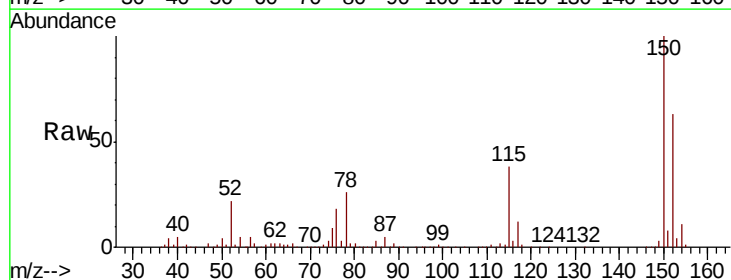
Tgt Ion:152 Resp: 124592

Ion Ratio Lower Upper

152 100

115 61.9 31.4 94.2

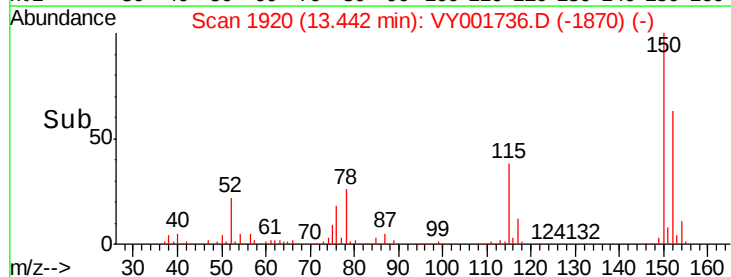
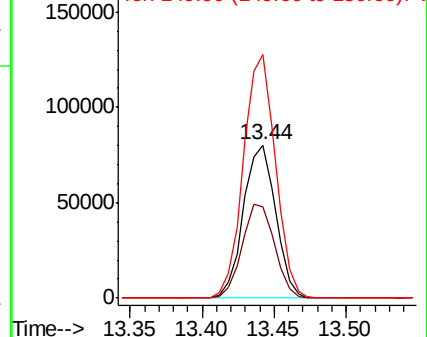
150 157.8 0.0 407.2

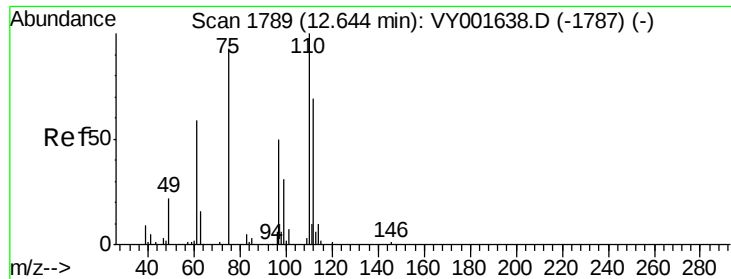


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

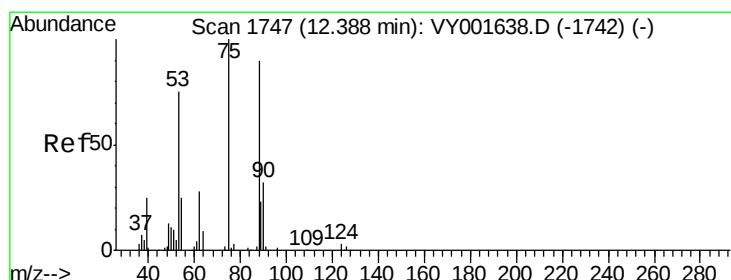
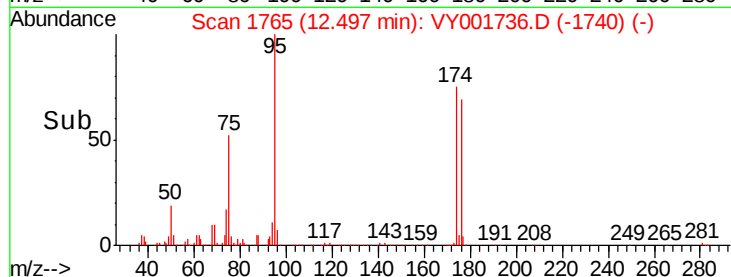
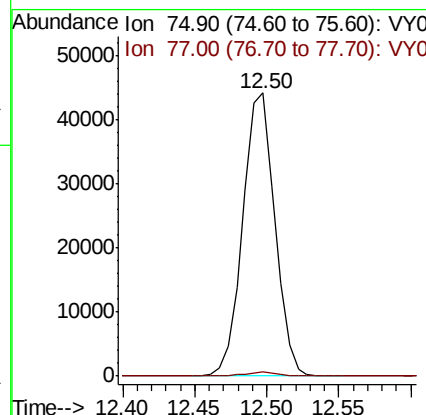
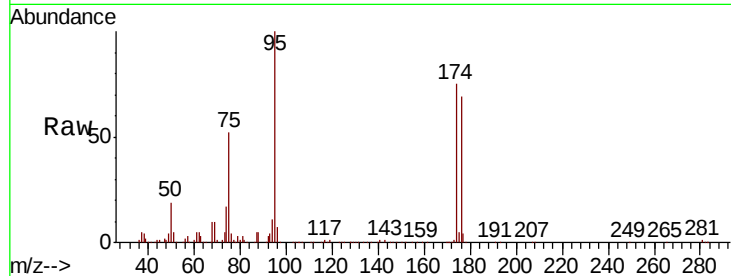




#76
 1,2,3-Trichloropropane
 Concen: 47.705 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. -0.15 min
 Lab File: VY001736.D
 Acq: 21 Feb 2020 12:51

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 68181
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.504 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.11 min
 Lab File: VY001736.D
 Acq: 21 Feb 2020 12:51

Tgt Ion: 75 Resp: 68181
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 36.3 54.5#

