

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000815.D
 Acq On : 27 Nov 2019 13:37
 Operator : SY/MD
 Sample : VY1127SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 28 22:07:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

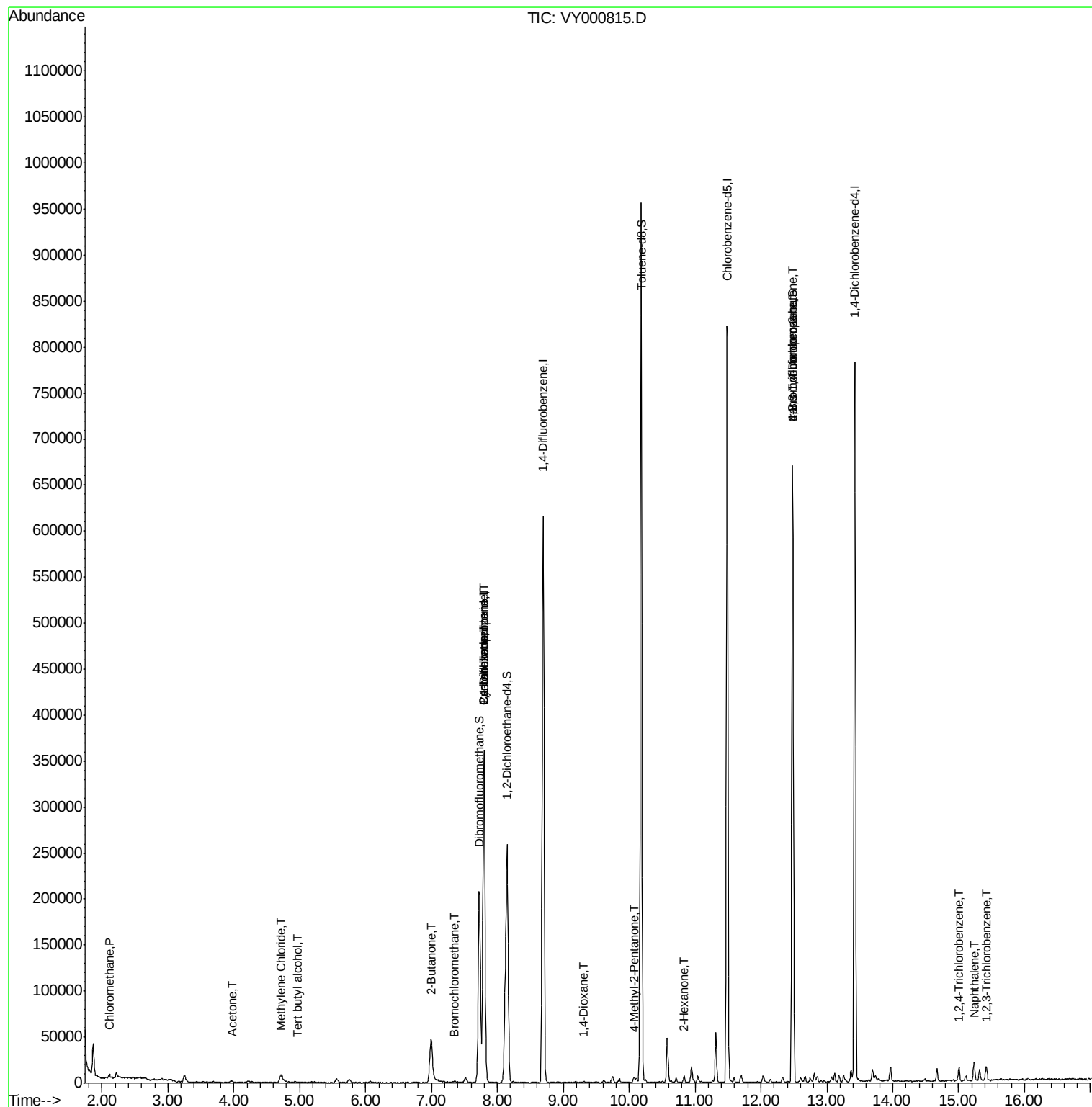
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	273407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	518281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	446079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189781	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	169990	58.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.02%	
35) Dibromofluoromethane	7.73	113	152761	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.18	98	608560	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.48	95	199492	43.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.98%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	3727	1.027	ug/l	97
5) Bromomethane	2.66	94	659	Below Cal		88
11) Tert butyl alcohol	4.96	59	375	1.283	ug/l #	74
16) Acetone	3.97	43	3899	5.850	ug/l	95
20) Methylene Chloride	4.72	84	5959	1.696	ug/l #	83
25) 2-Butanone	6.99	43	2045	1.661	ug/l #	85
28) Bromochloromethane	7.34	49	390	2.191	ug/l #	34
31) Cyclohexane	7.80	56	6290	1.020	ug/l #	3
36) 1,1-Dichloropropene	7.80	75	23693	4.598	ug/l #	49
38) Carbon Tetrachloride	7.80	117	28096	6.122	ug/l #	17
49) 1,4-Dioxane	9.32	88	114	4.084	ug/l #	1
51) 4-Methyl-2-Pentanone	10.07	43	4348	1.501	ug/l	98
59) 2-Hexanone	10.83	43	3893	1.844	ug/l	85
76) 1,2,3-Trichloropropane	12.48	75	101587	47.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	101587	92.803	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.01	180	4048	1.035	ug/l	90
95) Naphthalene	15.23	128	15300	1.685	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.42	180	4001	1.145	ug/l	90

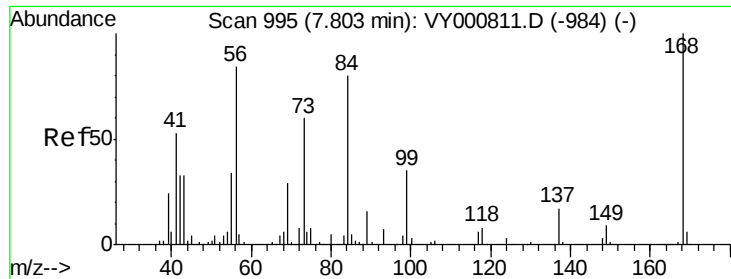
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000815.D

Acq: 27 Nov 2019 13:37

Instrument :

MSVOA_Y

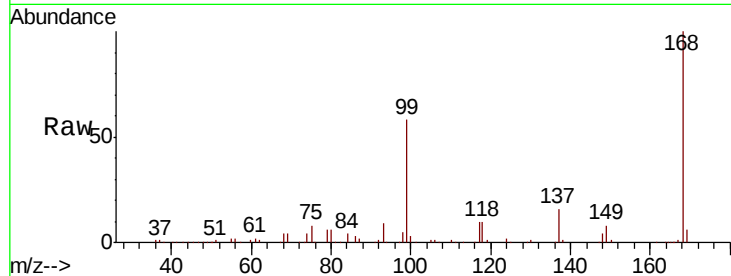
ClientSampled :

Tot Ion:168 Resp: 273407

Ion Ratio Lower Upper

168 100

99 57.6 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

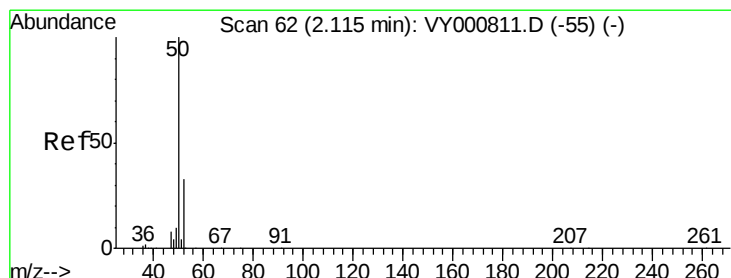
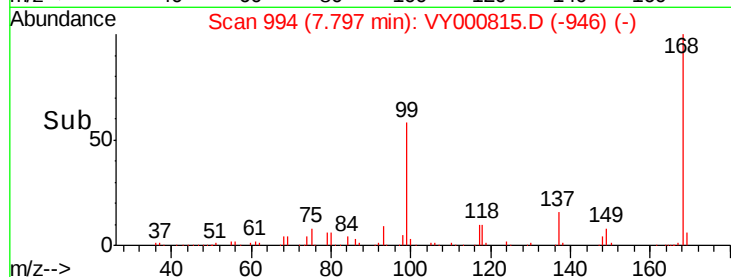
7.80

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.027 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000815.D

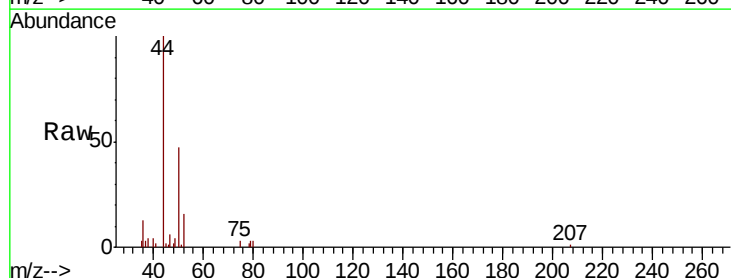
Acq: 27 Nov 2019 13:37

Tgt Ion: 50 Resp: 3727

Ion Ratio Lower Upper

50 100

52 34.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VY000811.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY000811.D (-55) (-)

2.12

2500

2000

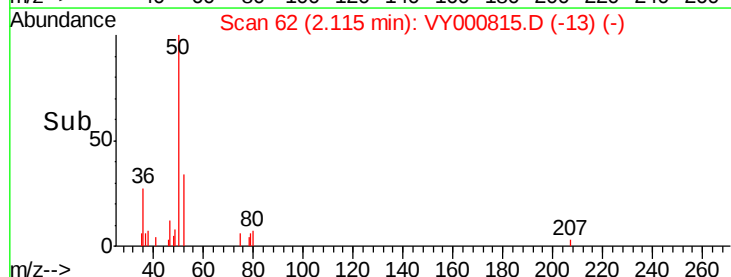
1500

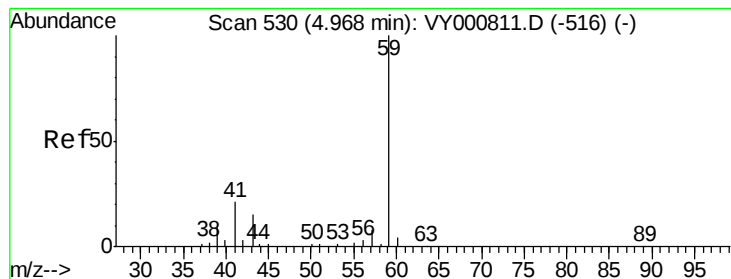
1000

500

0

Time-->



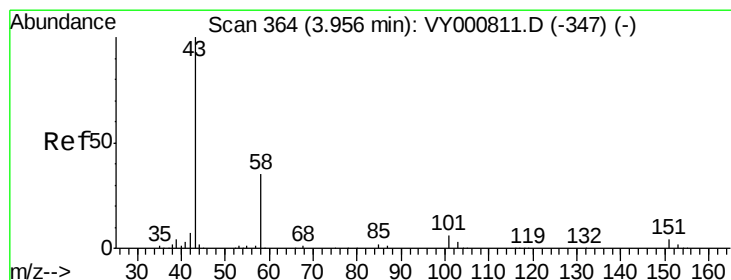
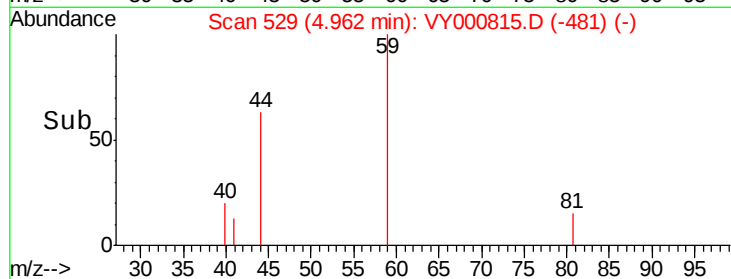
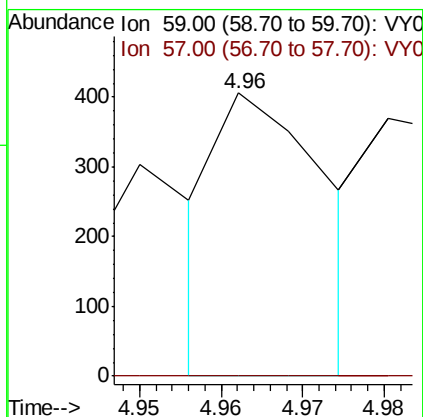
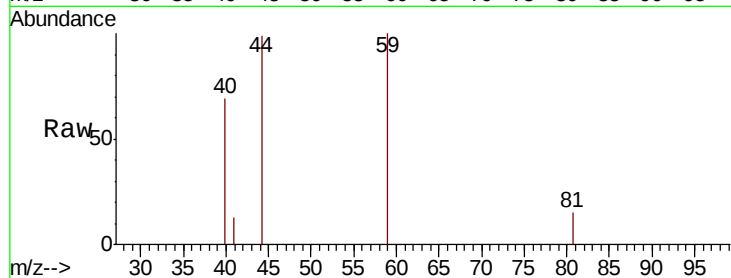


#11

Tert butyl alcohol
 Concen: 1.283 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Instrument :
 MSVOA_Y
 ClientSampled :

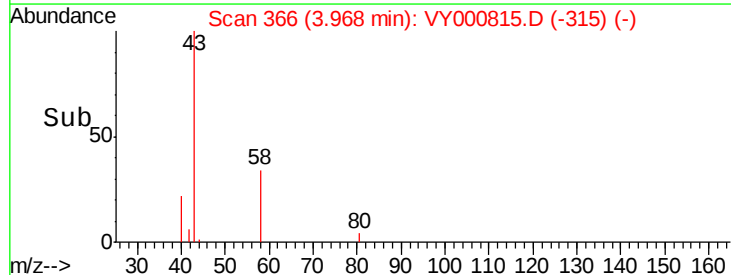
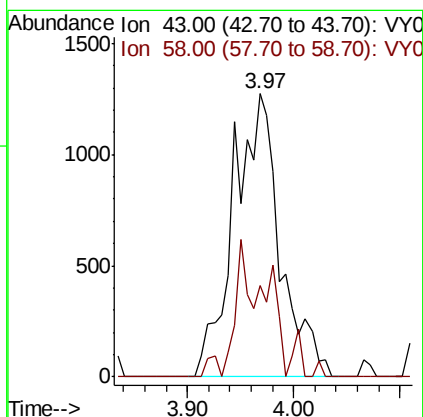
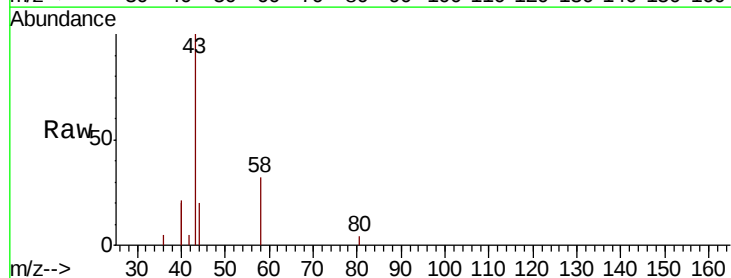
Tot Ion: 59 Resp: 375
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

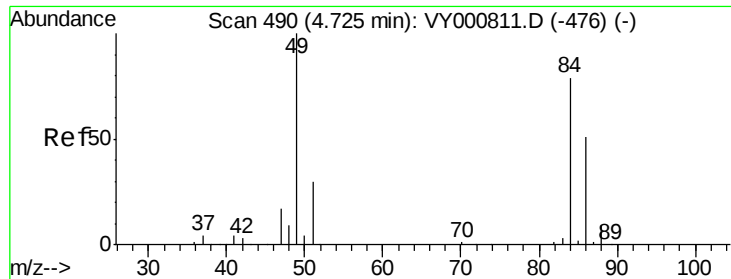


#16

Acetone
 Concen: 5.850 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Tgt Ion: 43 Resp: 3899
 Ion Ratio Lower Upper
 43 100
 58 32.1 28.0 42.0

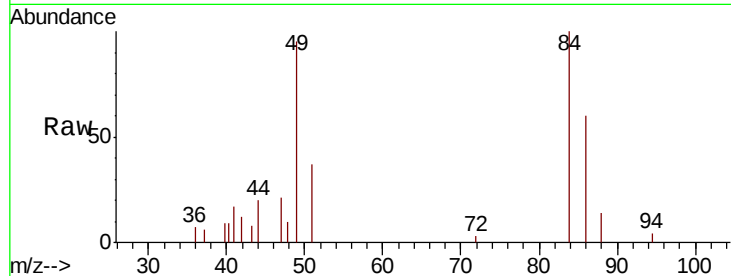




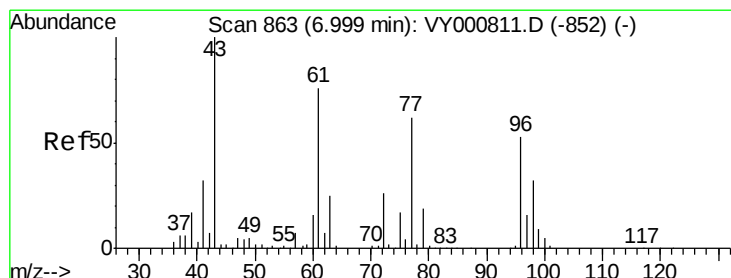
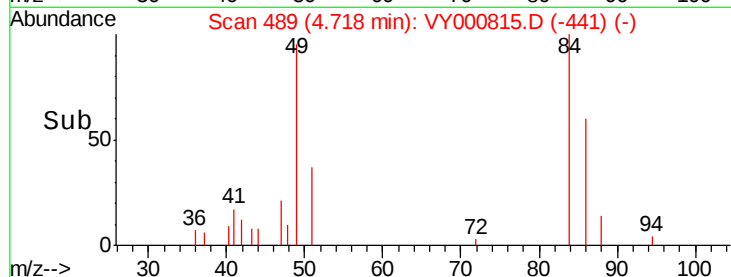
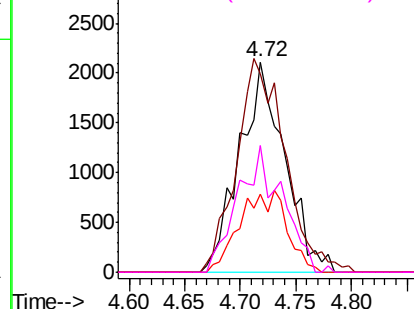
#20
Methvlene Chloride
Concen: 1.696 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000815.D
Acq: 27 Nov 2019 13:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 5959
Ion Ratio Lower Upper
84 100
49 94.6 101.3 151.9#
51 36.8 30.6 45.8
86 60.1 51.3 76.9

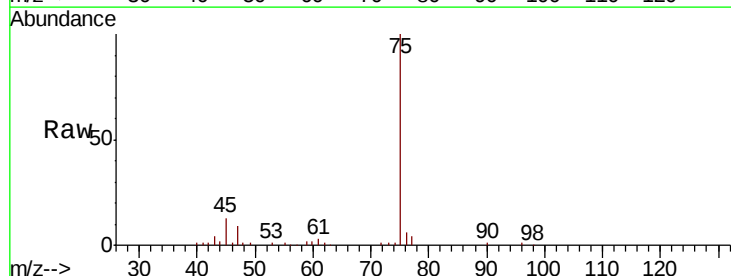


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

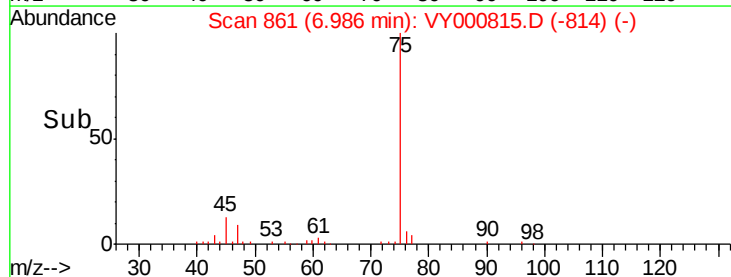
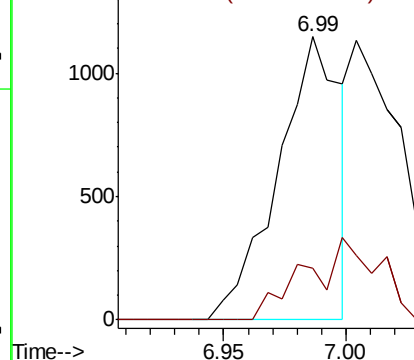


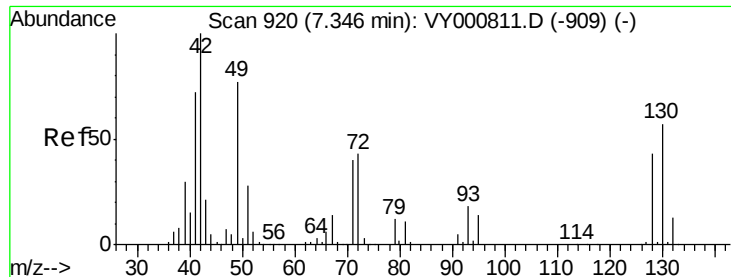
#25
2-Butanone
Concen: 1.661 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY000815.D
Acq: 27 Nov 2019 13:37

Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
72 18.4 21.0 31.4#



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





#28

Bromochloromethane

Concen: 2.191 ug/l

RT: 7.34 min Scan# 919

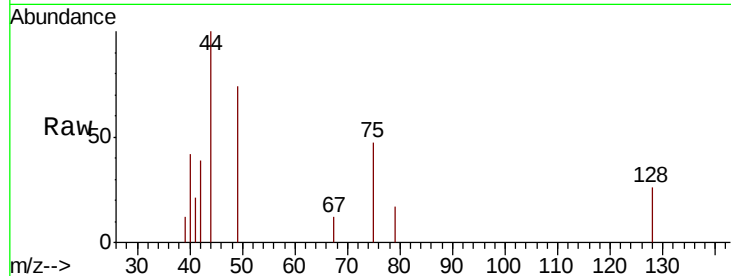
Delta R.T. -0.01 min

Lab File: VY000815.D

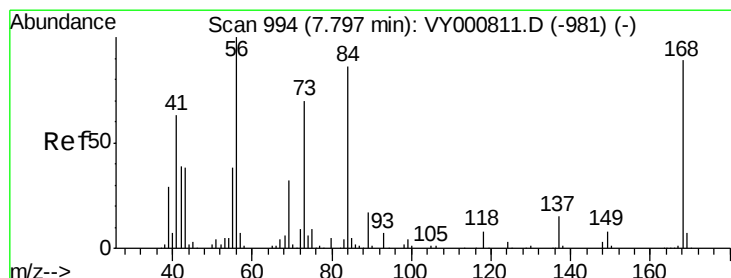
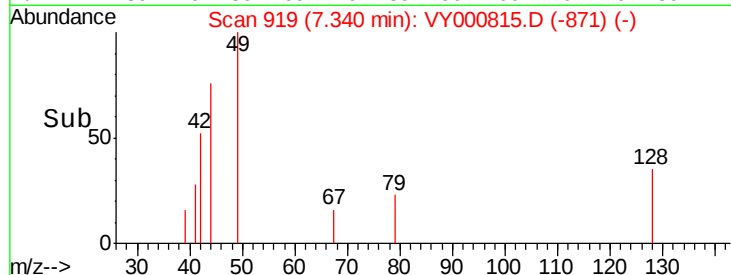
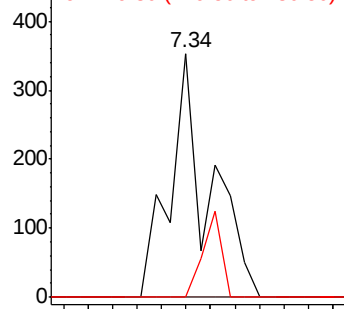
Acq: 27 Nov 2019 13:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 390
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 16.9 58.7 88.1#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.020 ug/l

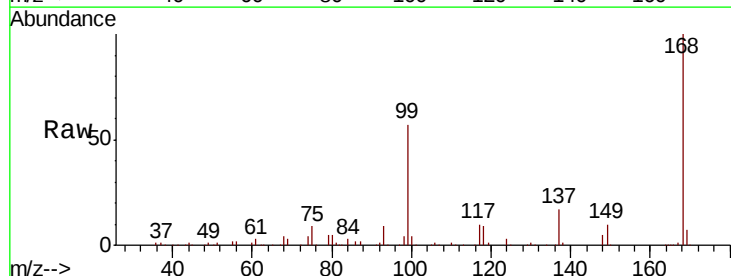
RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

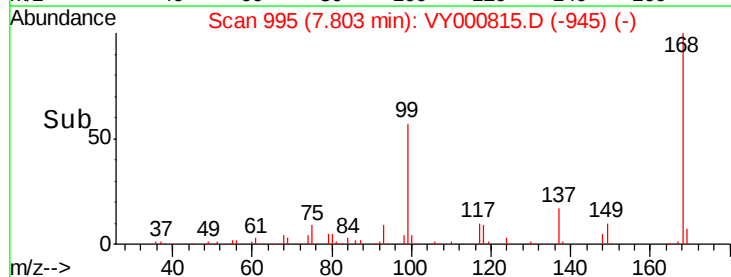
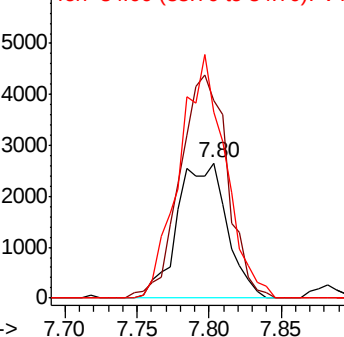
Lab File: VY000815.D

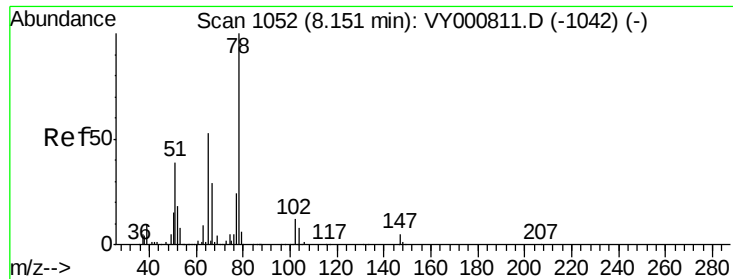
Acq: 27 Nov 2019 13:37

Tgt Ion: 56 Resp: 6290
Ion Ratio Lower Upper
56 100
69 146.5 25.9 38.9#
84 137.5 68.6 102.8#



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

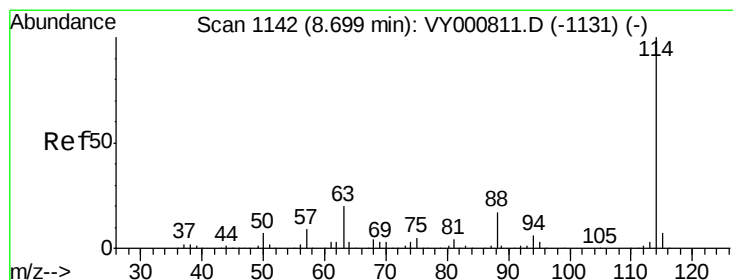
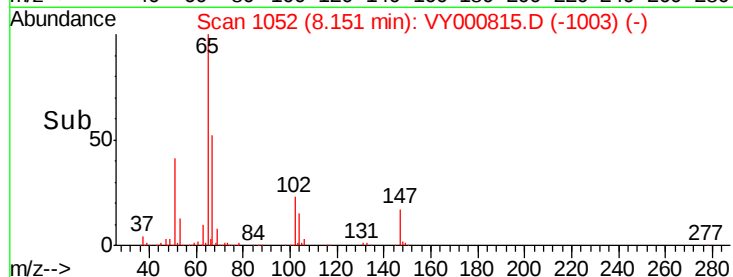
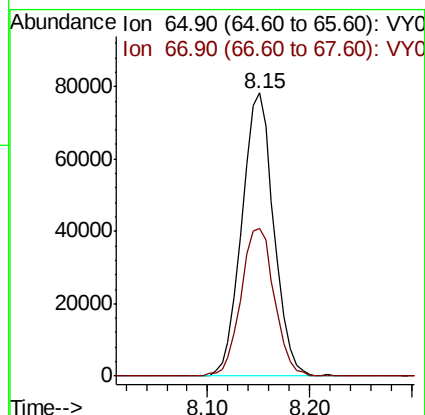
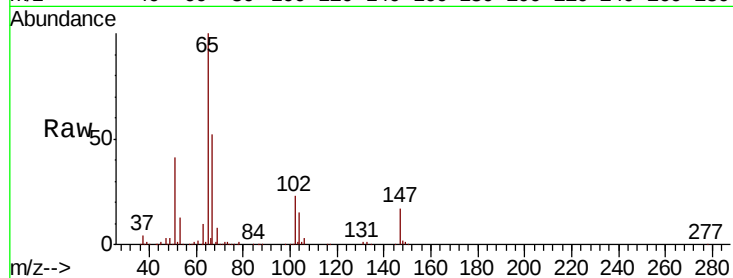




#33
 1,2-Dichloroethane-d4
 Concen: 58.513 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

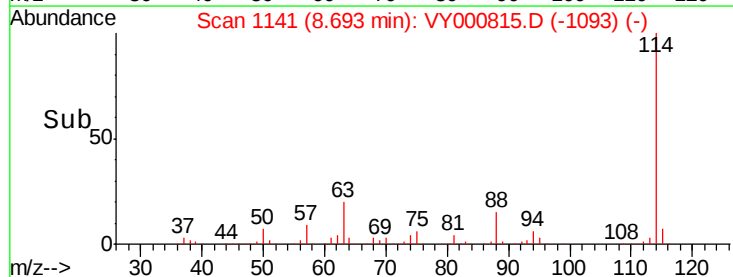
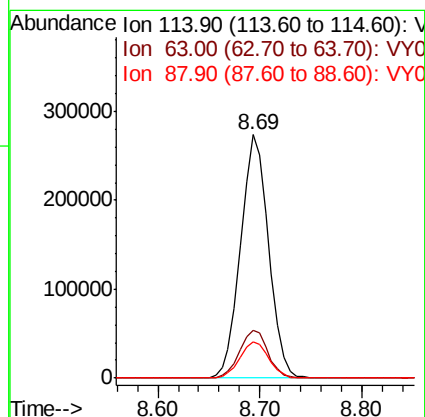
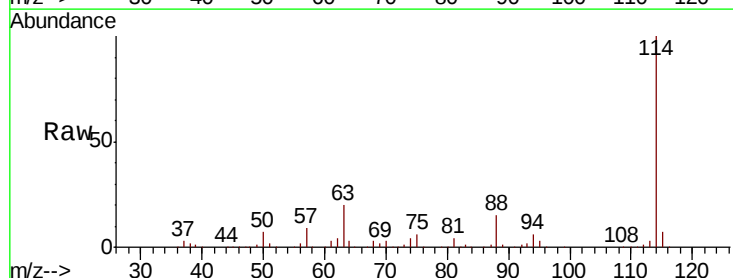
Instrument :
 MSVOA_Y
 ClientSampleId :

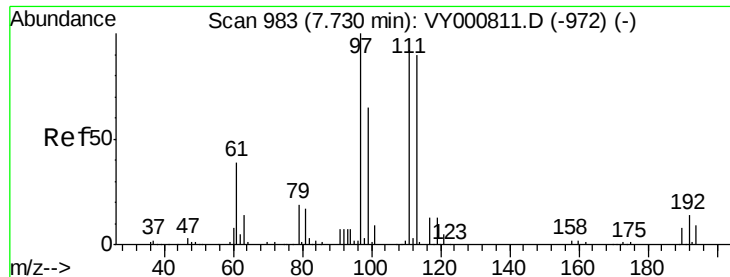
Tot Ion: 65 Resp: 169990
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Tgt Ion: 114 Resp: 518281
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 14.8 0.0 33.2

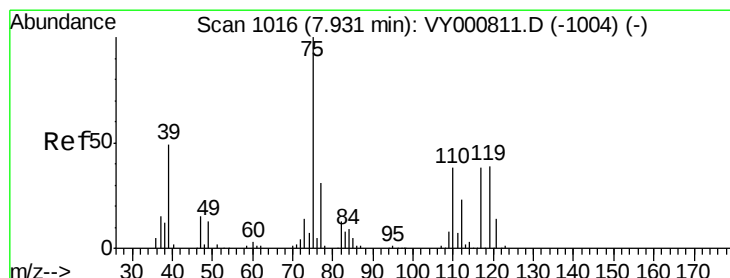
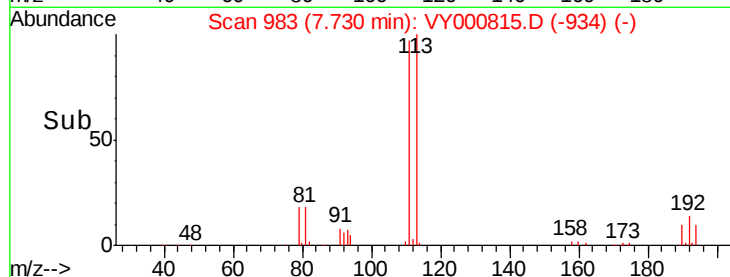
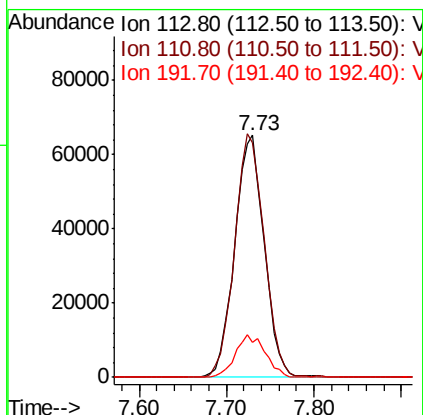
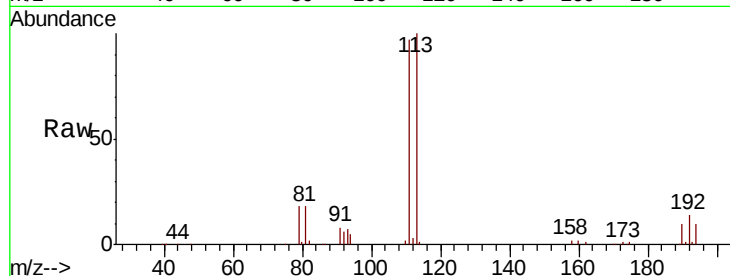




#35
 Dibromofluoromethane
 Concen: 50.574 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

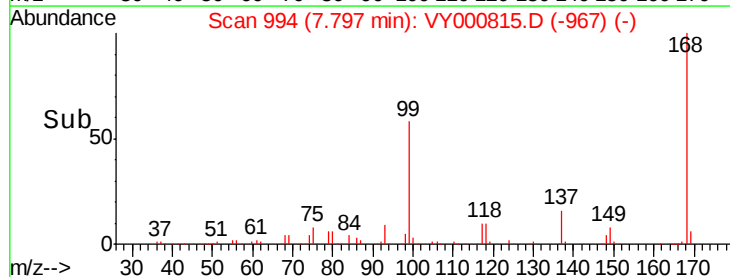
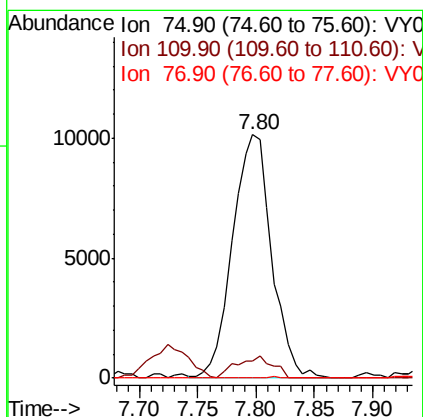
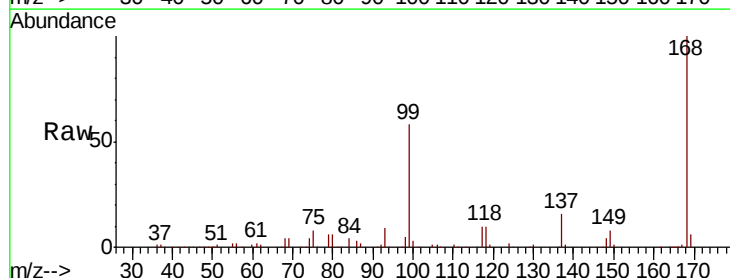
Instrument :
 MSVOA_Y
 ClientSampleId :

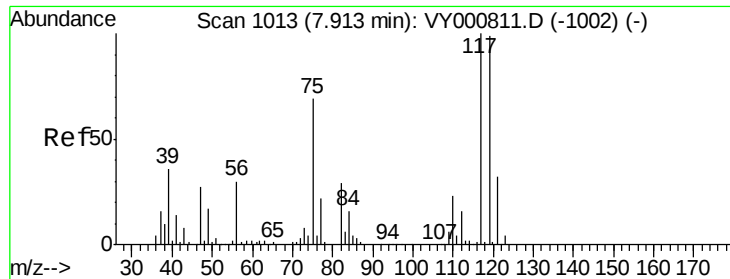
Tot Ion:113 Resp: 152761
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.4 123.6
 192 17.8 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 4.598 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Tgt Ion: 75 Resp: 23693
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.9 53.7#
 77 0.1 24.7 37.1#

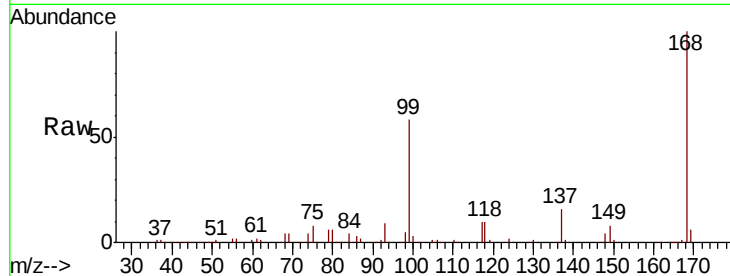




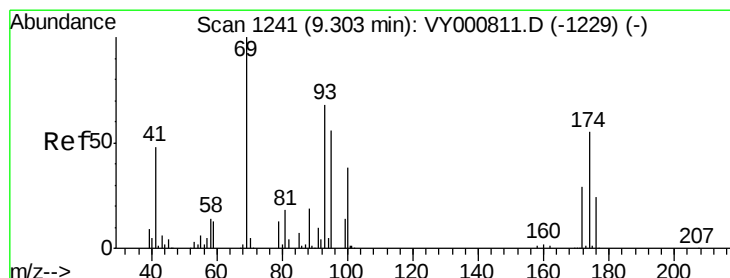
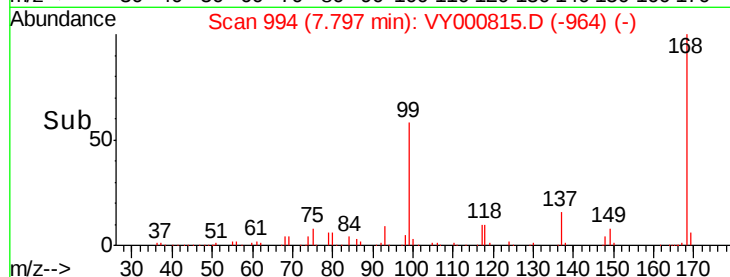
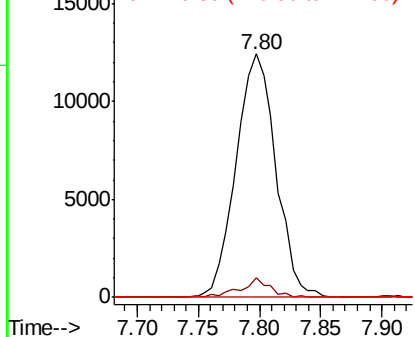
#38
Carbon Tetrachloride
Concen: 6.122 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000815.D
Acq: 27 Nov 2019 13:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 28096
Ion Ratio Lower Upper
117 100
119 8.2 79.3 118.9#
121 0.0 25.5 38.3#

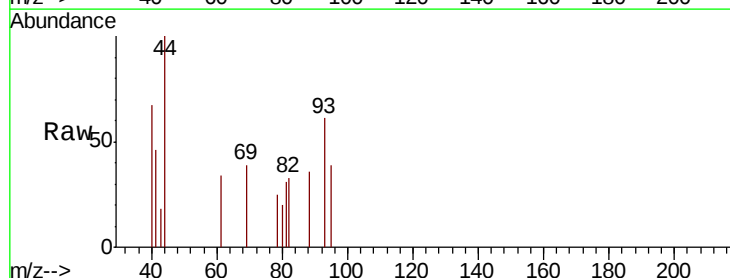


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

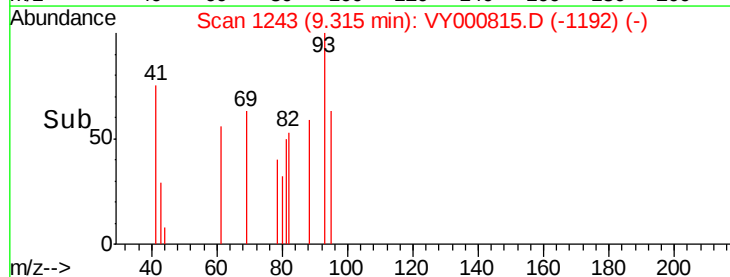
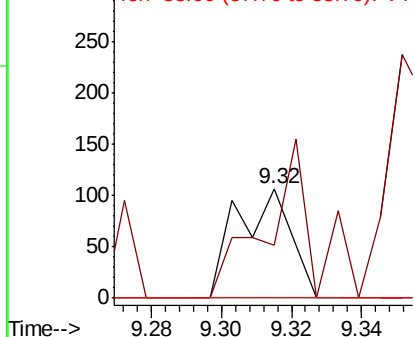


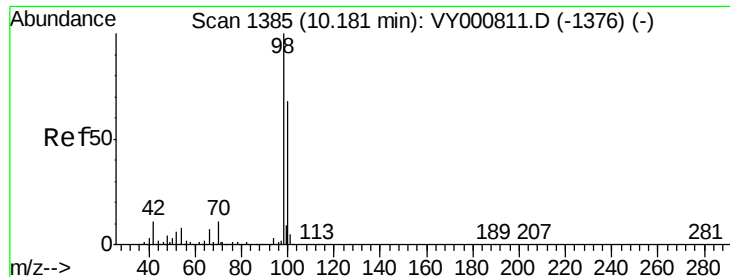
#49
1,4-Dioxane
Concen: 4.084 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY000815.D
Acq: 27 Nov 2019 13:37

Tgt Ion: 88 Resp: 114
Ion Ratio Lower Upper
88 100
43 131.6 21.1 31.7#
58 0.0 50.7 76.1#



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: 50.394 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000815.D

Acq: 27 Nov 2019 13:37

Instrument :

MSVOA_Y

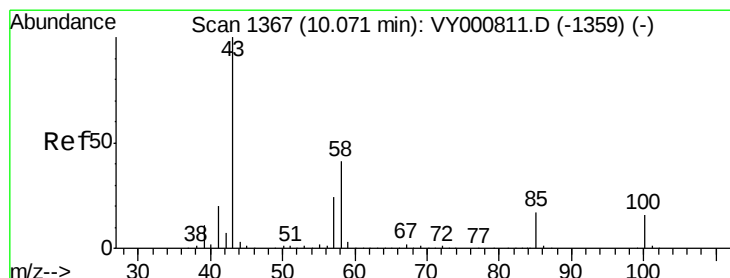
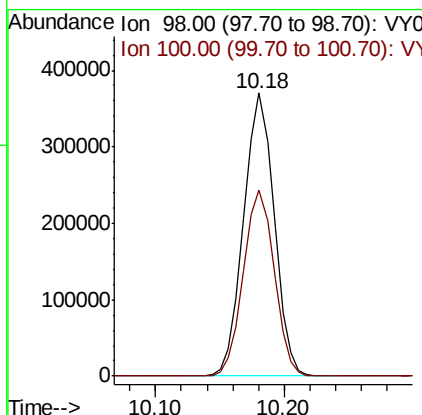
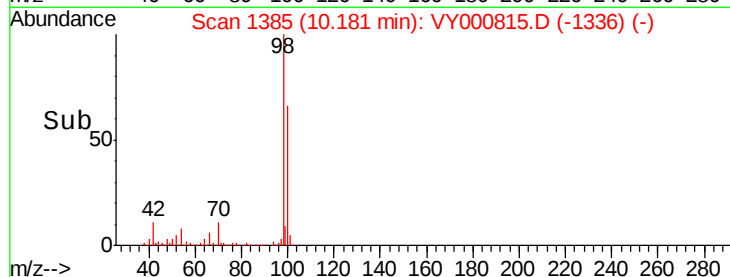
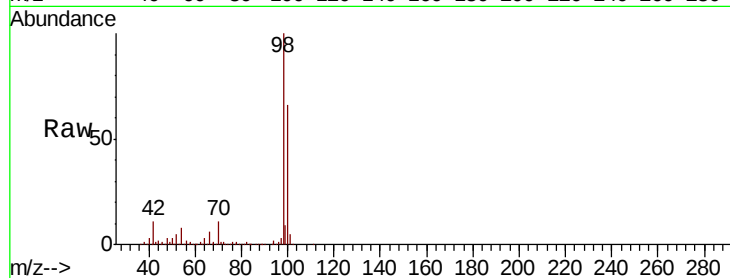
ClientSampleId :

Tot Ion: 98 Resp: 608560

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 1.501 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000815.D

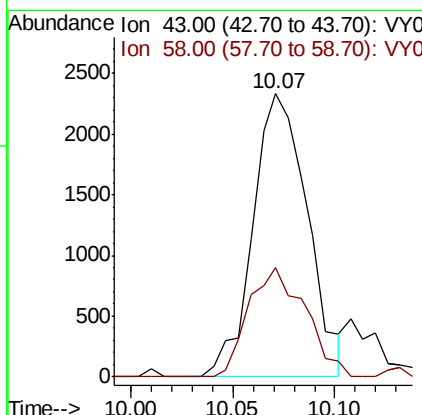
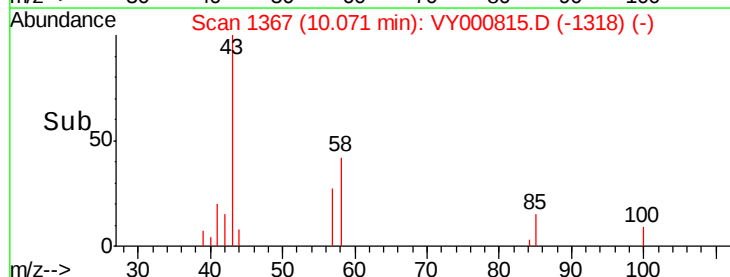
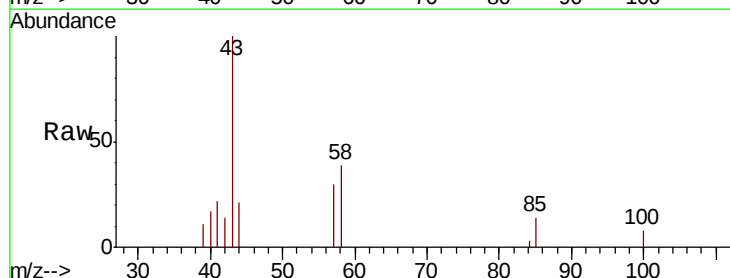
Acq: 27 Nov 2019 13:37

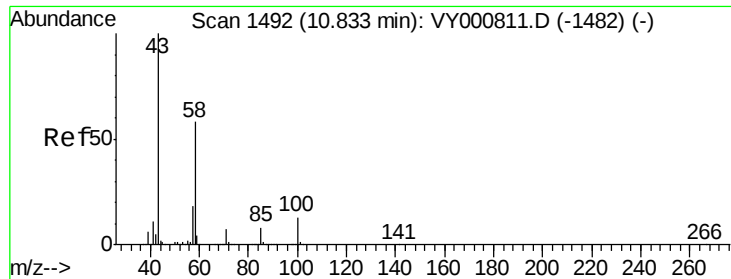
Tgt Ion: 43 Resp: 4348

Ion Ratio Lower Upper

43 100

58 40.2 33.1 49.7





#59

2-Hexanone

Concen: 1.844 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000815.D

Acq: 27 Nov 2019 13:37

Instrument :

MSVOA_Y

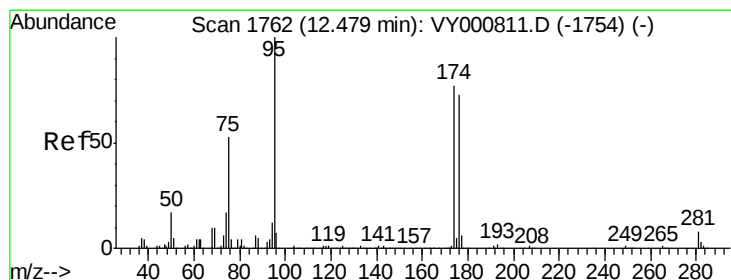
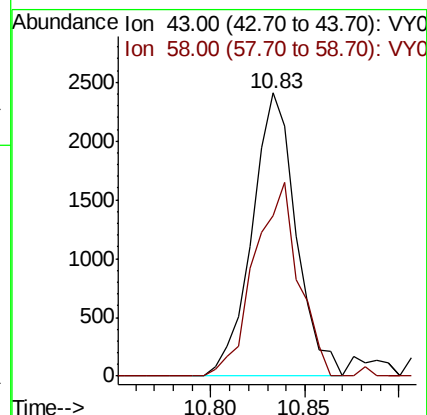
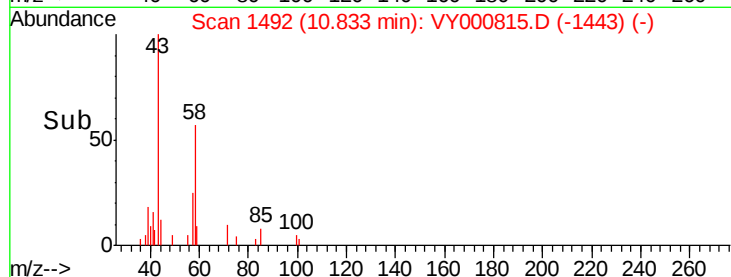
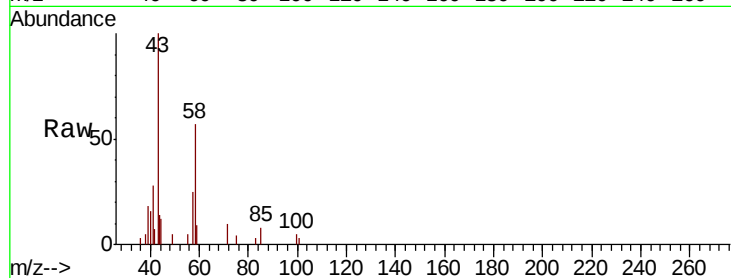
ClientSampled :

Tot Ion: 43 Resp: 3893

Ion Ratio Lower Upper

43 100

58 69.1 29.0 87.1



#62

4-Bromofluorobenzene

Concen: 43.988 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000815.D

Acq: 27 Nov 2019 13:37

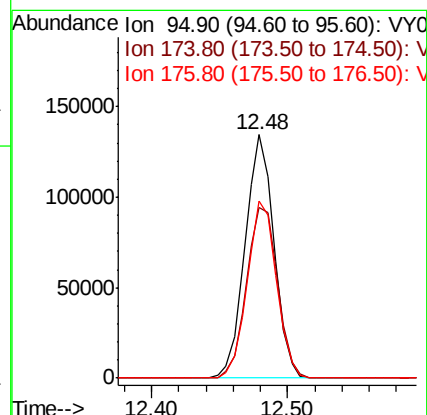
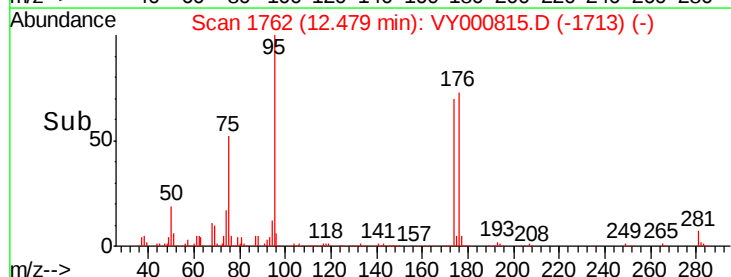
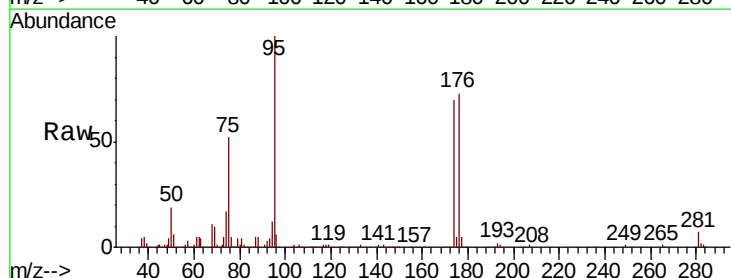
Tgt Ion: 95 Resp: 199492

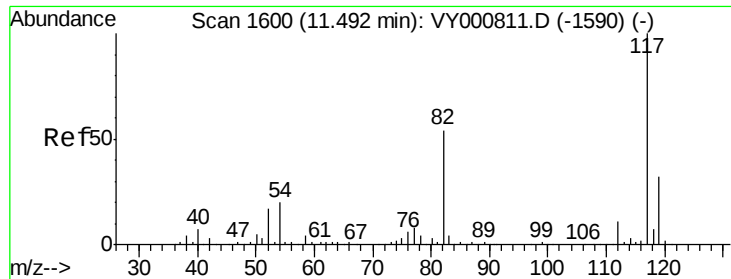
Ion Ratio Lower Upper

95 100

174 75.8 0.0 150.6

176 73.7 0.0 145.2

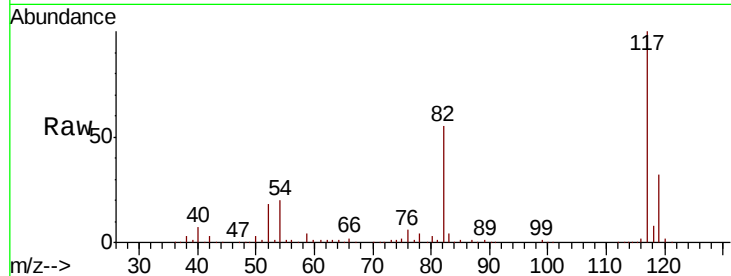




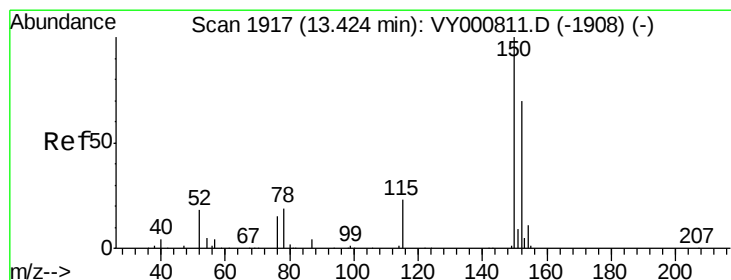
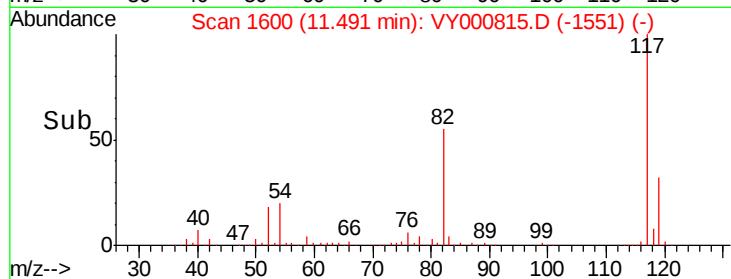
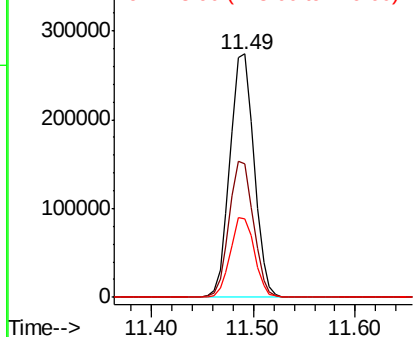
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000815.D
Acq: 27 Nov 2019 13:37

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 446079
Ion Ratio Lower Upper
117 100
82 54.7 43.1 64.7
119 32.4 25.3 37.9

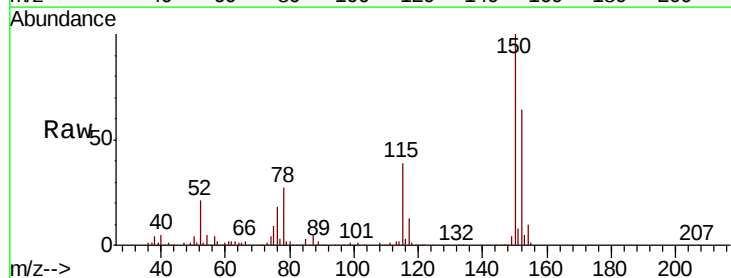


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

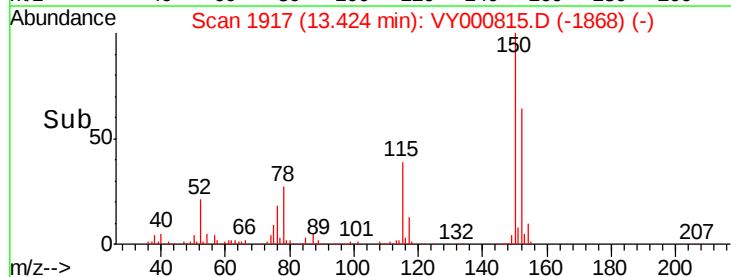
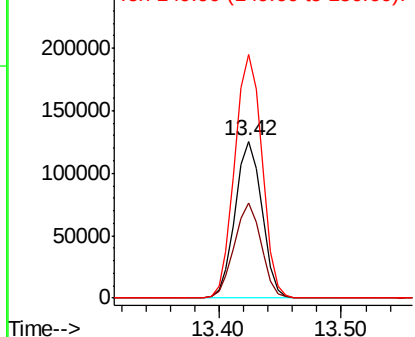


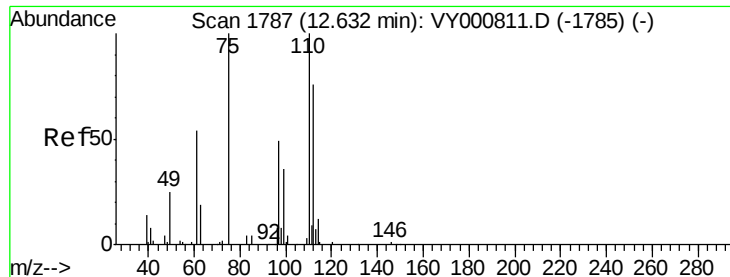
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000815.D
Acq: 27 Nov 2019 13:37

Tgt Ion:152 Resp: 189781
Ion Ratio Lower Upper
152 100
115 61.0 29.3 87.8
150 158.2 0.0 351.2



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

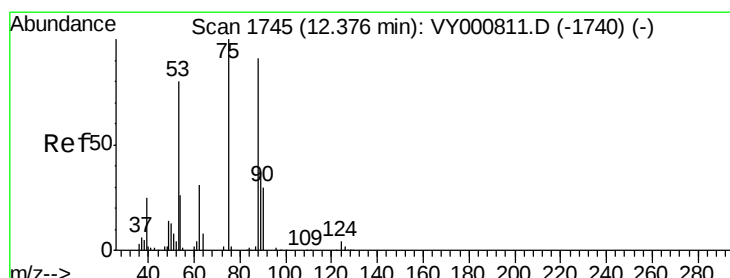
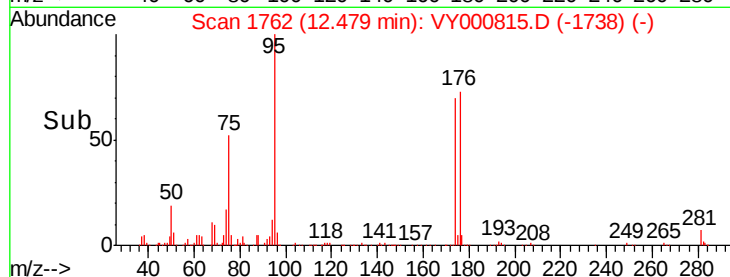
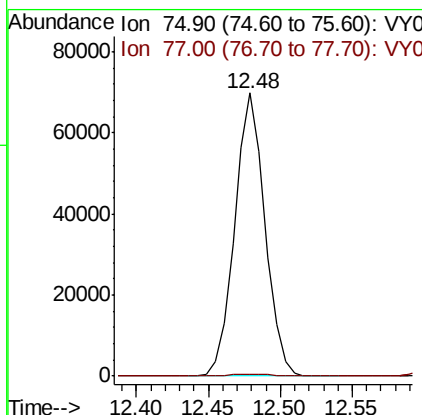
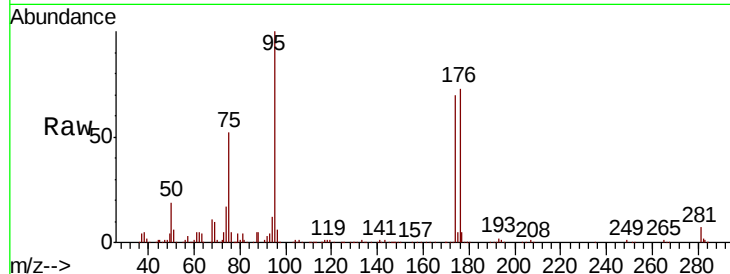




#76
 1,2,3-Trichloropropane
 Concen: 47.245 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

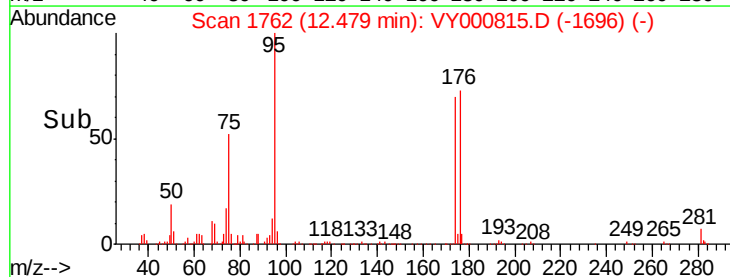
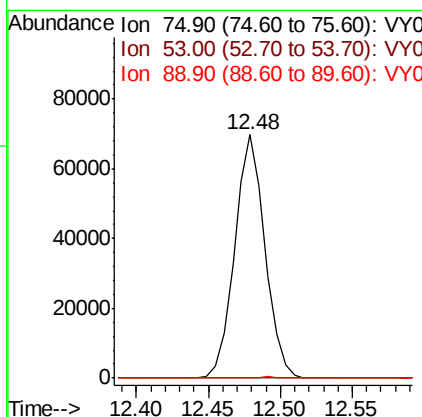
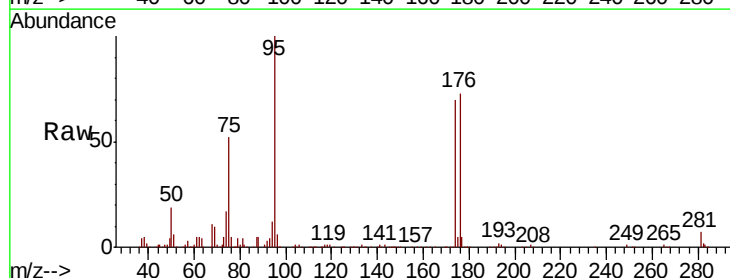
Instrument :
 MSVOA_Y
 ClientSampleId :

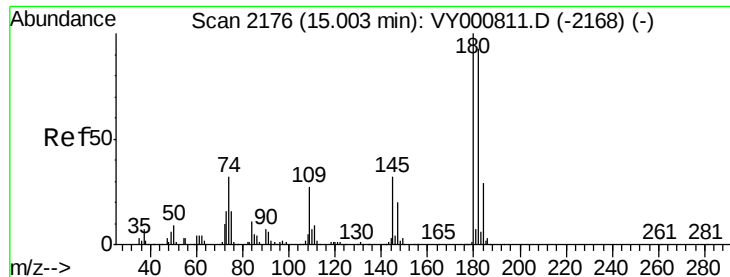
Tot Ion: 75 Resp: 101587
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.803 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Tgt Ion: 75 Resp: 101587
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.6 96.8#
 89 0.1 33.6 50.4#

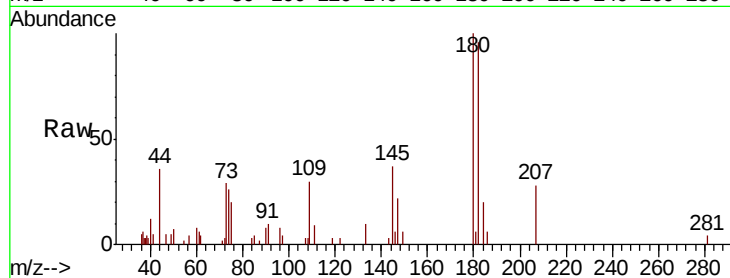




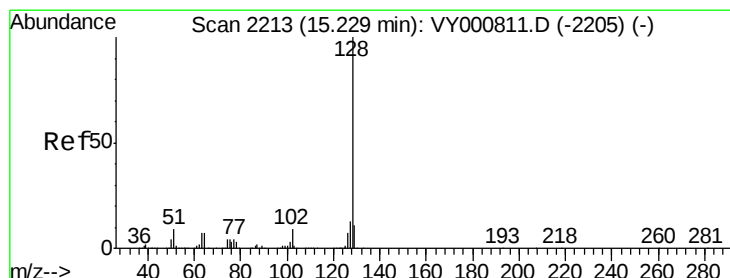
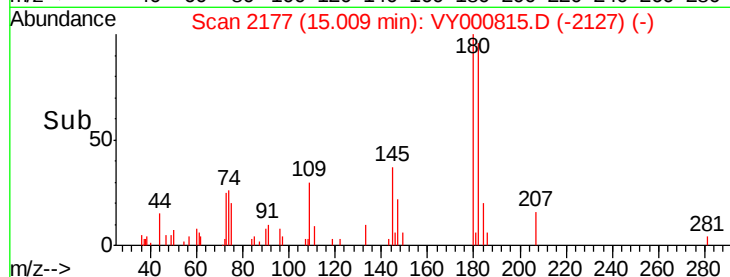
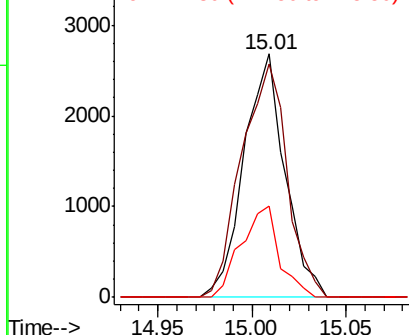
#93
 1,2,4-Trichlorobenzene
 Concen: 1.035 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:180 Resp: 4048
 Ion Ratio Lower Upper
 180 100
 182 106.4 47.3 141.9
 145 34.9 16.0 47.9

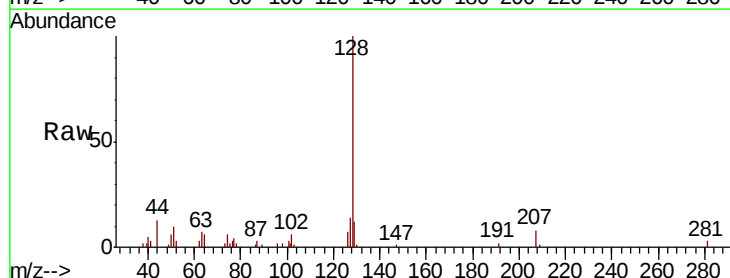


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

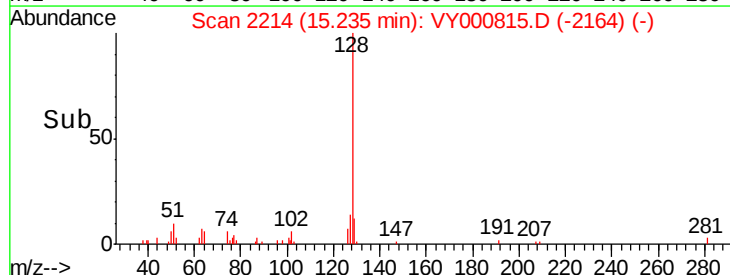
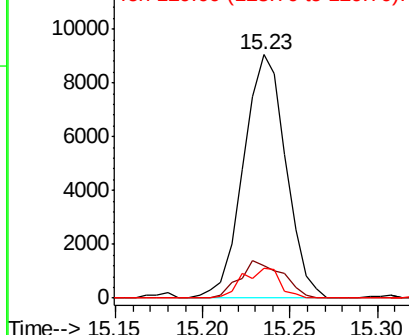


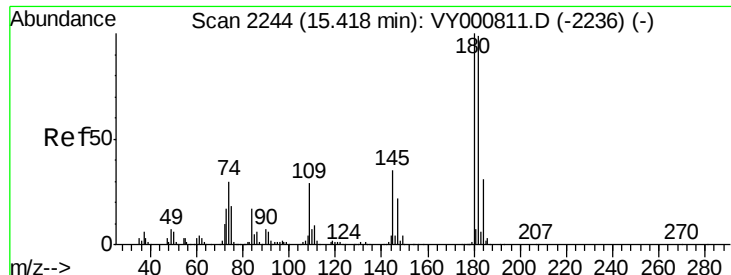
#95
 Naphthalene
 Concen: 1.685 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.01 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Tgt Ion:128 Resp: 15300
 Ion Ratio Lower Upper
 128 100
 127 15.5 10.1 15.1#
 129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

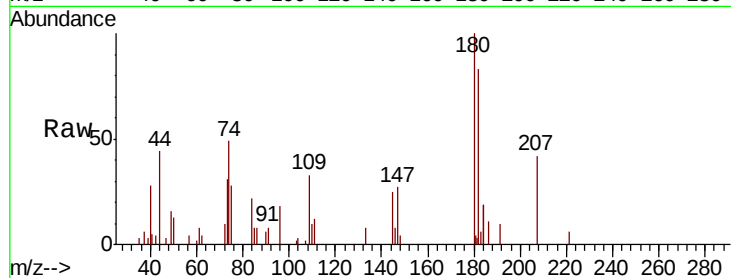




#96
 1,2,3-Trichlorobenzene
 Concen: 1.145 ug/l
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VY000815.D
 Acq: 27 Nov 2019 13:37

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.7	48.0	144.0
145	34.4	16.9	50.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

