

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001023.D
 Acq On : 23 Dec 2019 13:03
 Operator : SY/MD
 Sample : VY1223SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBL01

Quant Time: Dec 24 04:41:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	279784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	515807	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.48	117	464433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	200839	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	150498	54.54	ug/l	0.00
Spiked Amount						
			Recovery	=	109.08%	
35) Dibromofluoromethane	7.72	113	150999	49.71	ug/l	0.00
Spiked Amount						
			Recovery	=	99.42%	
50) Toluene-d8	10.18	98	604804	50.95	ug/l	0.00
Spiked Amount						
			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.48	95	203079	46.79	ug/l	0.00
Spiked Amount						
			Recovery	=	93.58%	

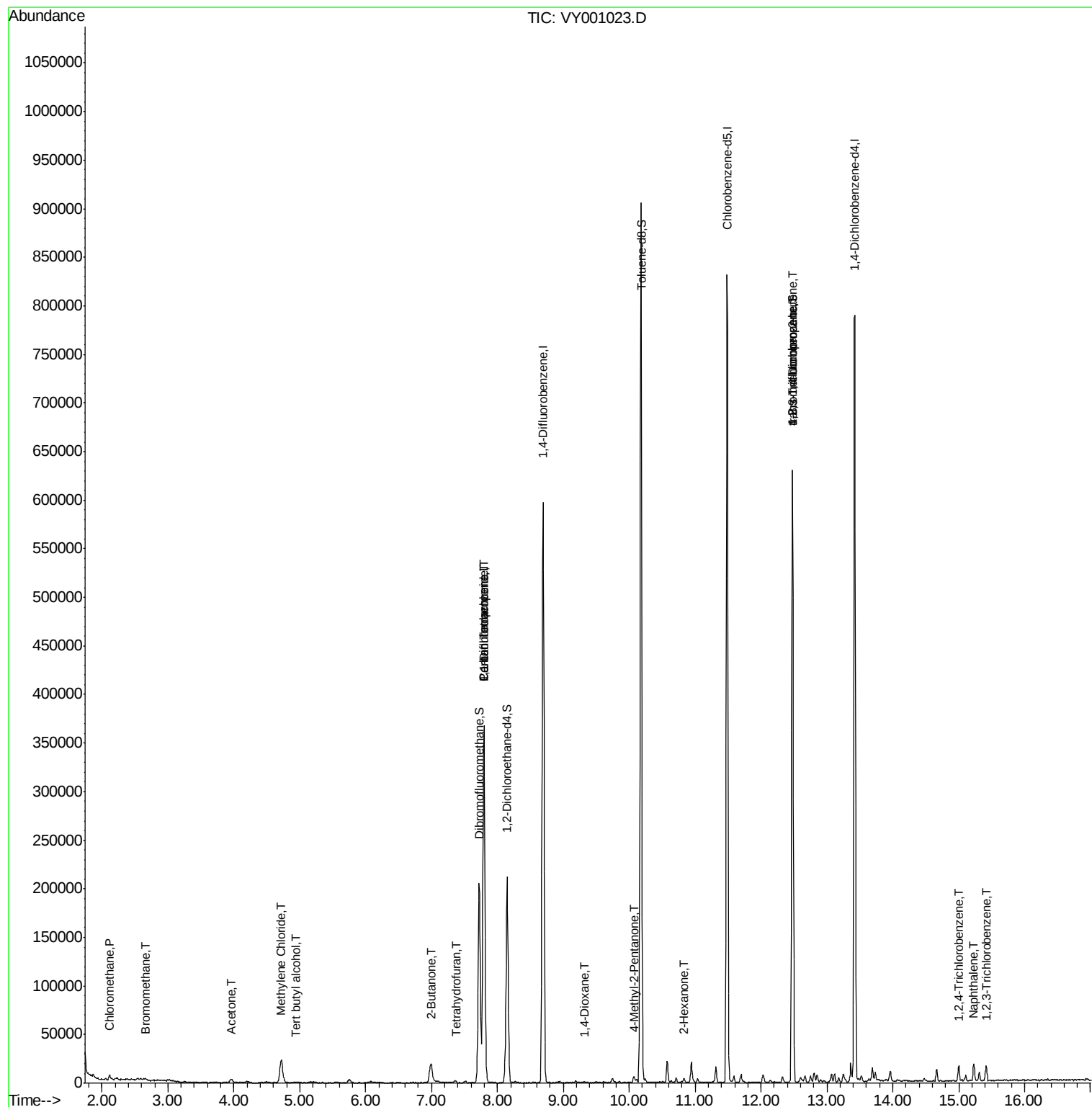
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	4252	1.281	ug/l	89
5) Bromomethane	2.66	94	598	1.006	ug/l #	72
11) Tert butyl alcohol	4.94	59	739	2.436	ug/l #	74
16) Acetone	3.96	43	6713	10.560	ug/l	98
20) Methylene Chloride	4.72	84	18297	4.890	ug/l #	93
25) 2-Butanone	7.00	43	3819	3.420	ug/l #	45
29) Tetrahydrofuran	7.38	42	1199	1.509	ug/l #	63
36) 1,1-Dichloropropene	7.79	75	22127	4.497	ug/l #	48
38) Carbon Tetrachloride	7.80	117	26869	6.232	ug/l #	18
49) 1,4-Dioxane	9.31	88	108	3.846	ug/l #	15
51) 4-Methyl-2-Pentanone	10.06	43	4836	1.840	ug/l	92
59) 2-Hexanone	10.83	43	2961	1.628	ug/l	89
76) 1,2,3-Trichloropropane	12.48	75	98293	39.699	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	98293	84.669	ug/l #	19
93) 1,2,4-Trichlorobenzene	15.00	180	4906	1.174	ug/l	97
95) Naphthalene	15.23	128	13431	1.366	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	4526	1.214	ug/l	96

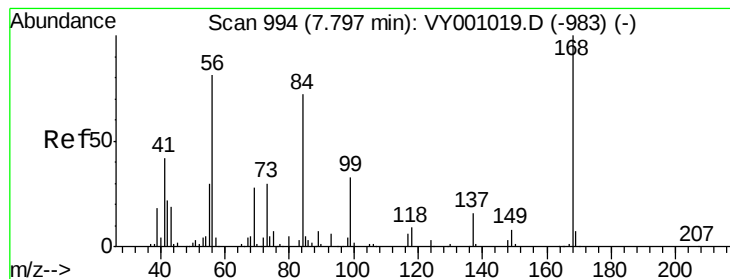
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

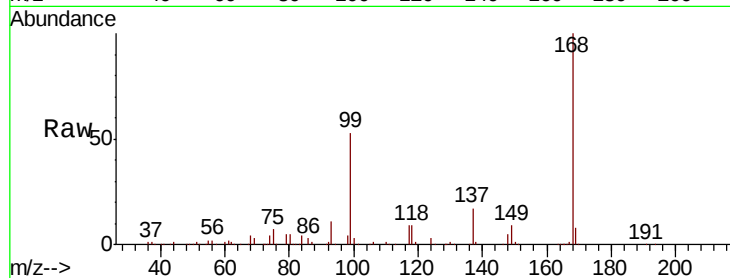
VY1223SBL01

Tot Ion:168 Resp: 279784

Ion Ratio Lower Upper

168 100

99 52.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

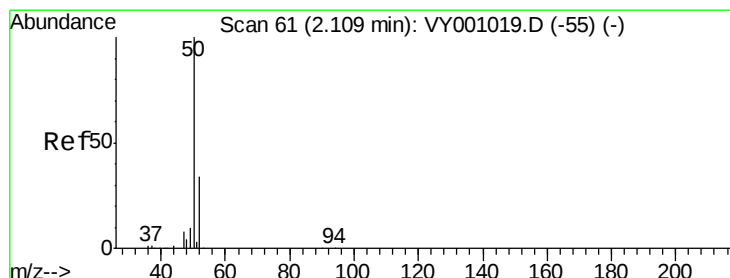
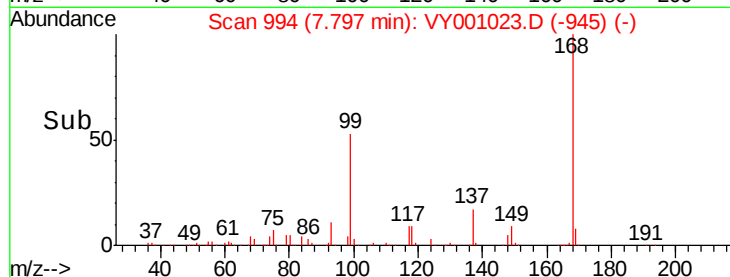
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.281 ug/l

RT: 2.11 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001023.D

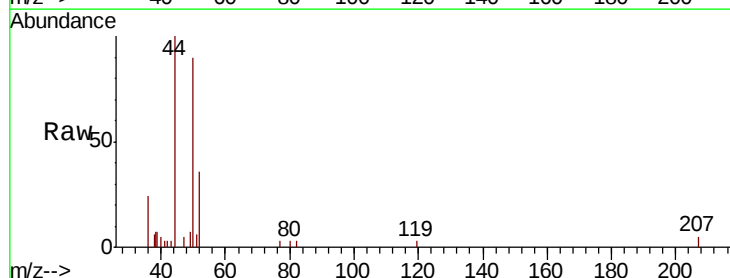
Acq: 23 Dec 2019 13:03

Tgt Ion: 50 Resp: 4252

Ion Ratio Lower Upper

50 100

52 39.9 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VY001019.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001019.D (-55) (-)

2.11

2500

2000

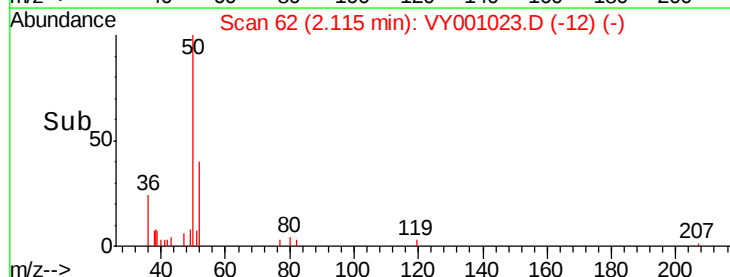
1500

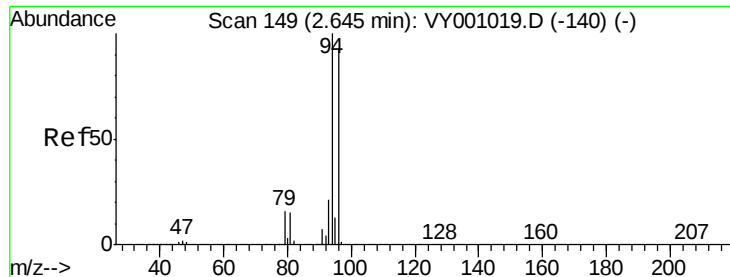
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.006 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.02 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

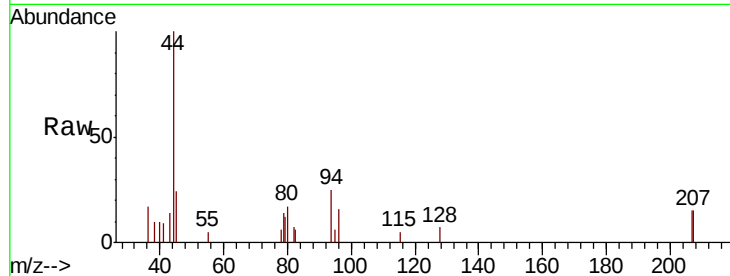
VY1223SBL01

Tot Ion: 94 Resp: 598

Ion Ratio Lower Upper

94 100

96 65.6 74.2 111.4#

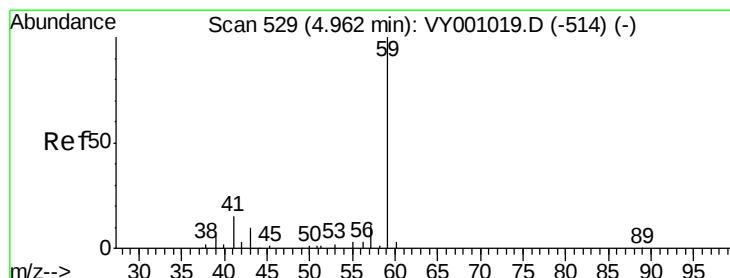
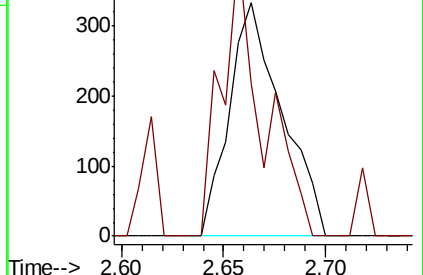
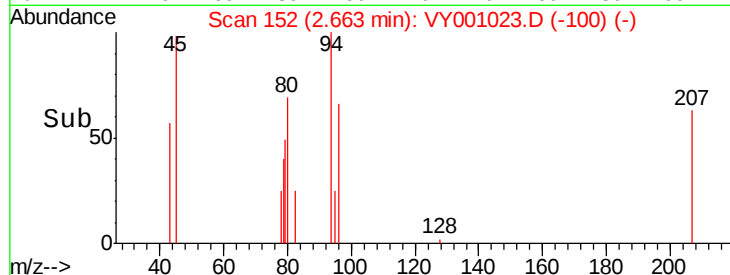


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

Time-->



#11

Tert butyl alcohol

Concen: 2.436 ug/l

RT: 4.94 min Scan# 526

Delta R.T. -0.02 min

Lab File: VY001023.D

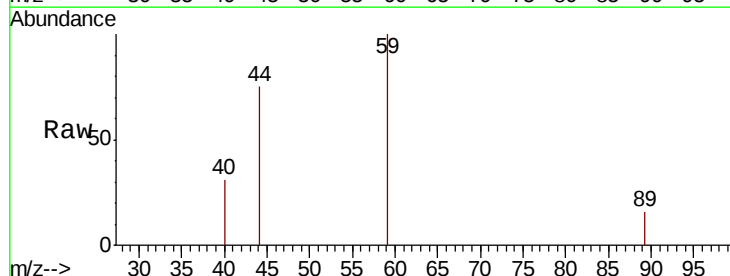
Acq: 23 Dec 2019 13:03

Tgt Ion: 59 Resp: 739

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#

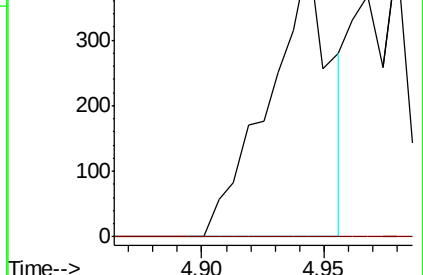
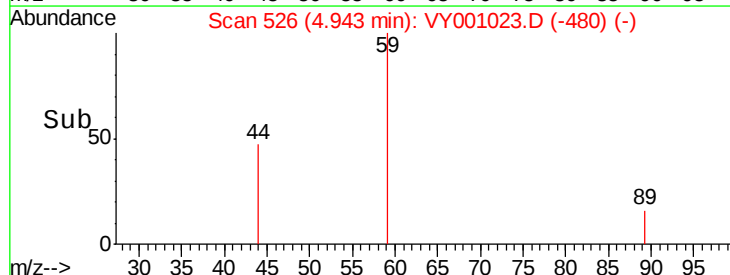


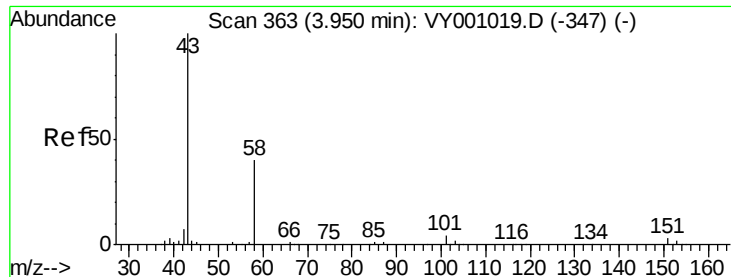
Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.94

Time-->





#16

Acetone

Concen: 10.560 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

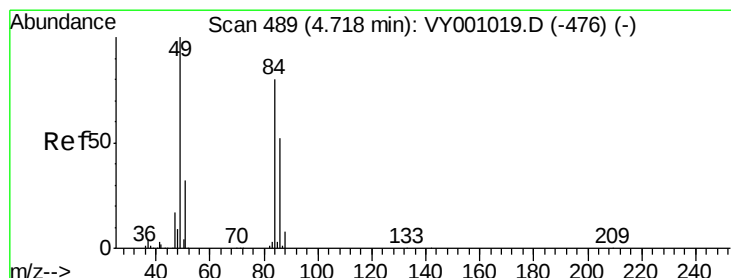
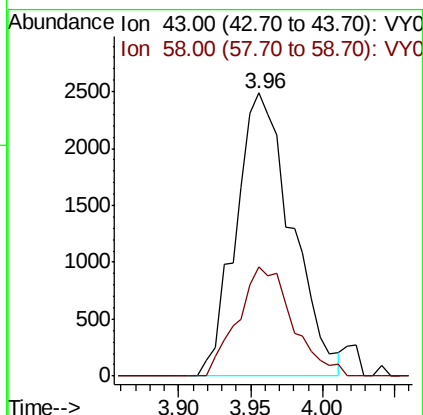
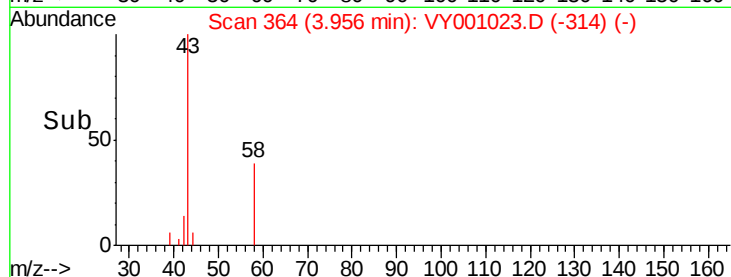
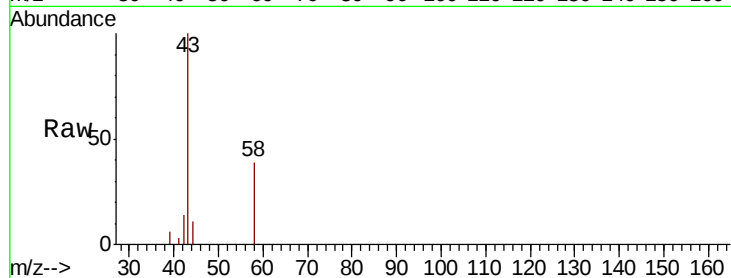
VY1223SBL01

Tot Ion: 43 Resp: 6713

Ion Ratio Lower Upper

43 100

58 38.8 32.1 48.1



#20

Methylene Chloride

Concen: 4.890 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Tgt Ion: 84 Resp: 18297

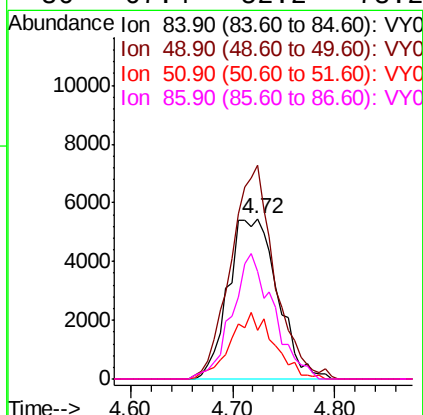
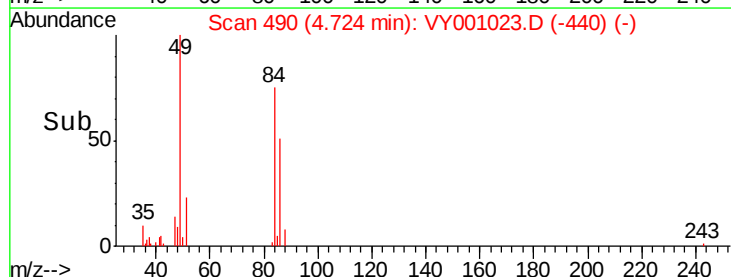
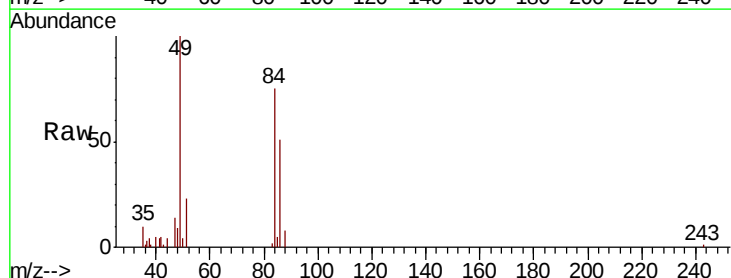
Ion Ratio Lower Upper

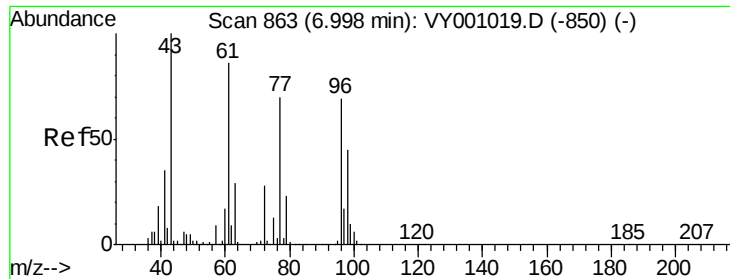
84 100

49 133.4 99.8 149.6

51 30.4 31.4 47.2#

86 67.4 52.2 78.2





#25

2-Butanone

Concen: 3.420 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

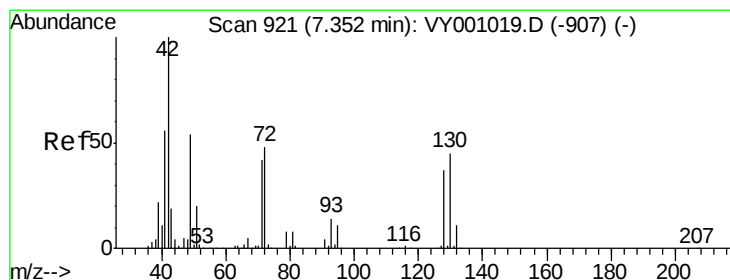
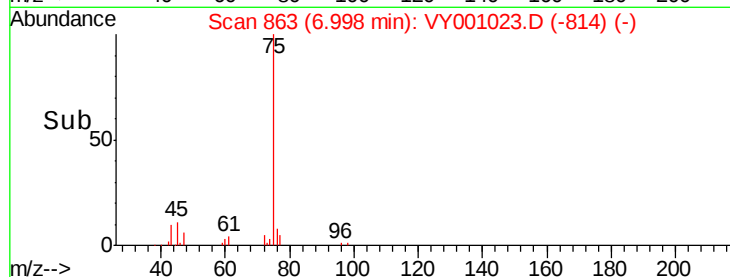
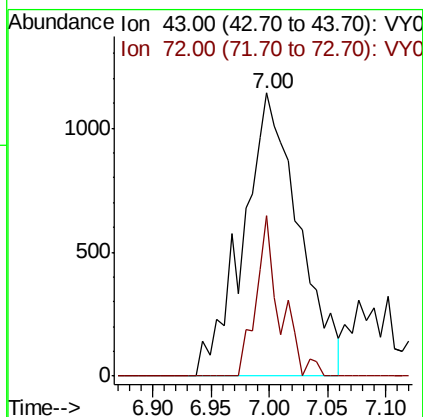
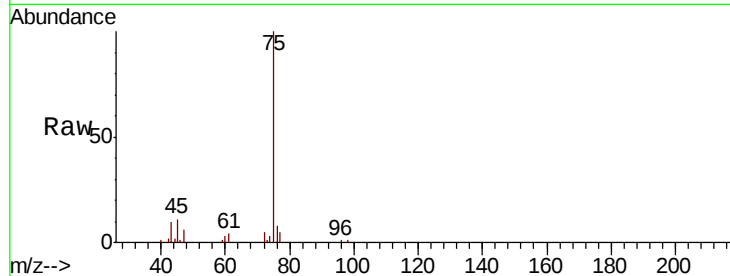
VY1223SBL01

Tot Ion: 43 Resp: 3819

Ion Ratio Lower Upper

43 100

72 56.8 22.4 33.6#



#29

Tetrahydrofuran

Concen: 1.509 ug/l

RT: 7.38 min Scan# 925

Delta R.T. 0.02 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

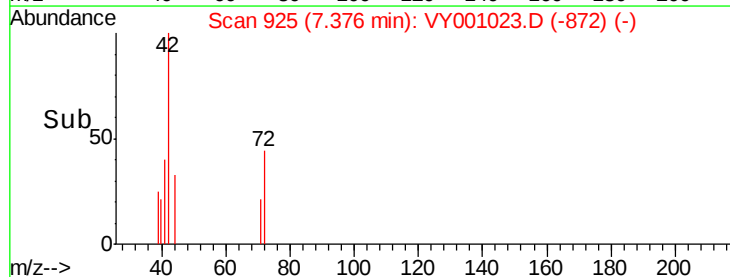
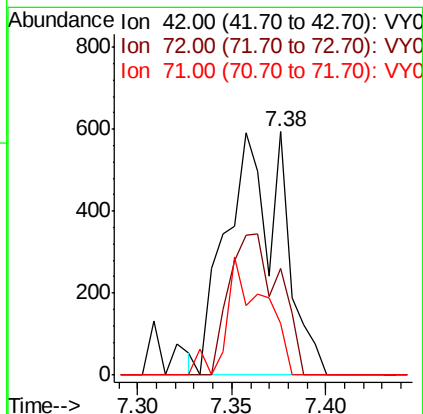
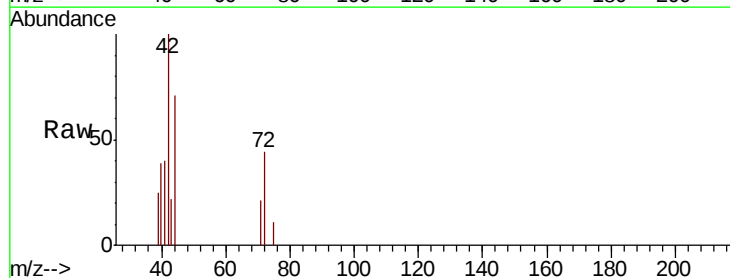
Tgt Ion: 42 Resp: 1199

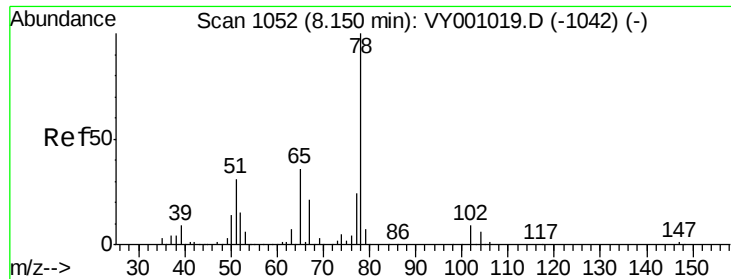
Ion Ratio Lower Upper

42 100

72 52.6 37.7 56.5

71 0.0 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 54.539 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

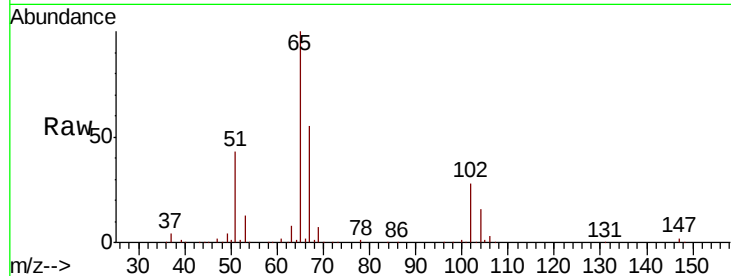
VY1223SBL01

Tot Ion: 65 Resp: 150498

Ion Ratio Lower Upper

65 100

67 57.0 0.0 112.8



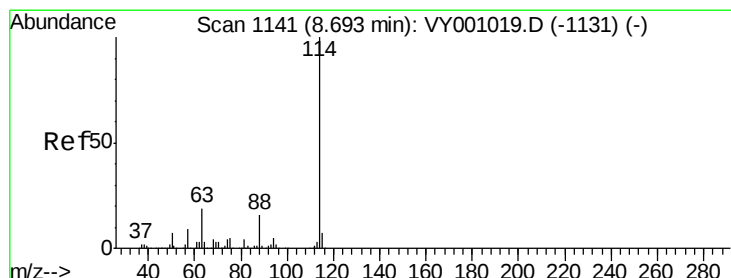
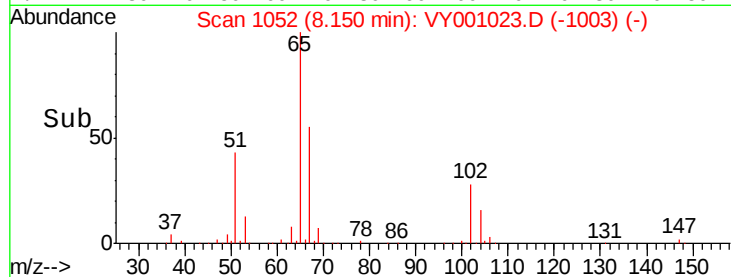
Abundance Ion 64.90 (64.60 to 65.60): VY001019.D (-1042) (-)

Ion 66.90 (66.60 to 67.60): VY001019.D (-1042) (-)

8.15

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

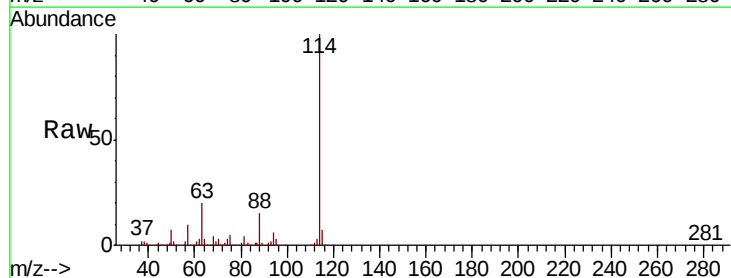
Tgt Ion: 114 Resp: 515807

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.0

88 15.4 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VY001019.D (-1131) (-)

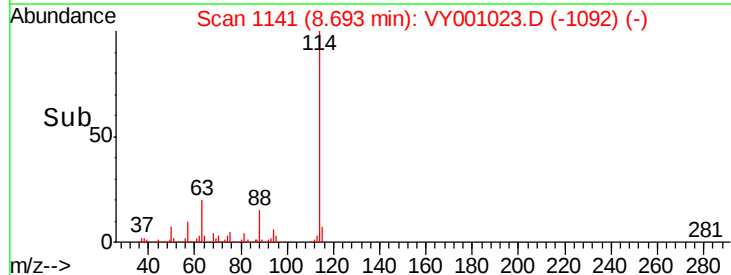
Ion 63.00 (62.70 to 63.70): VY001019.D (-1131) (-)

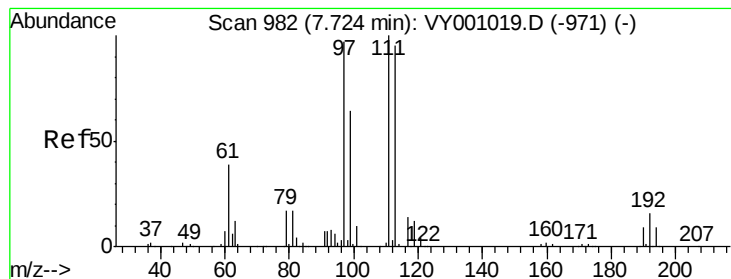
Ion 87.90 (87.60 to 88.60): VY001019.D (-1131) (-)

8.69

8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 49.714 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBL01

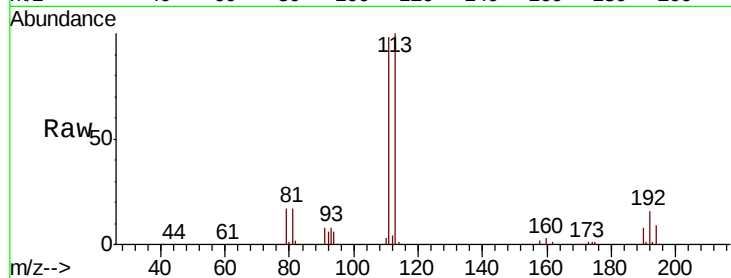
Tot Ion:113 Resp: 150999

Ion Ratio Lower Upper

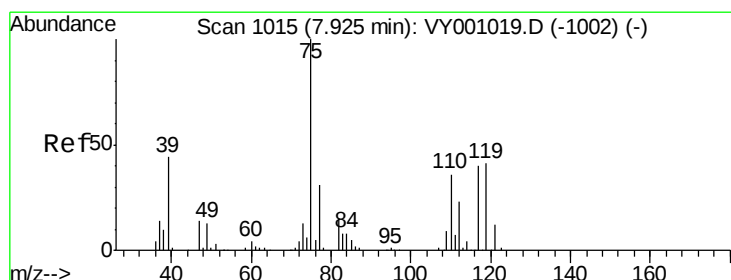
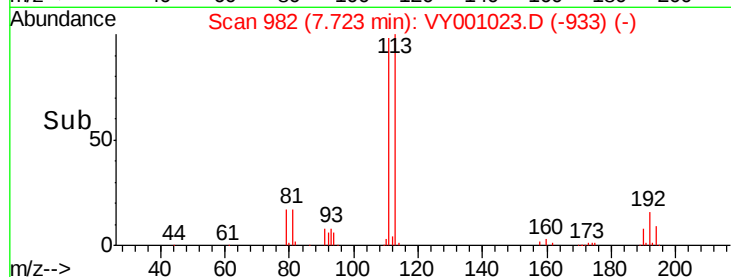
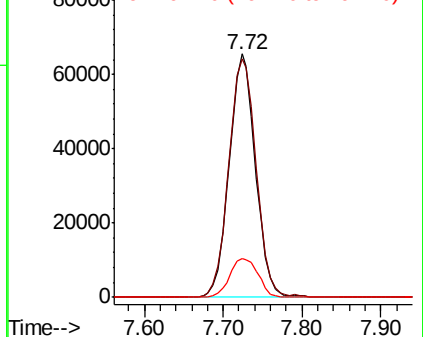
113 100

111 101.9 83.0 124.4

192 17.4 14.6 21.8



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: 4.497 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

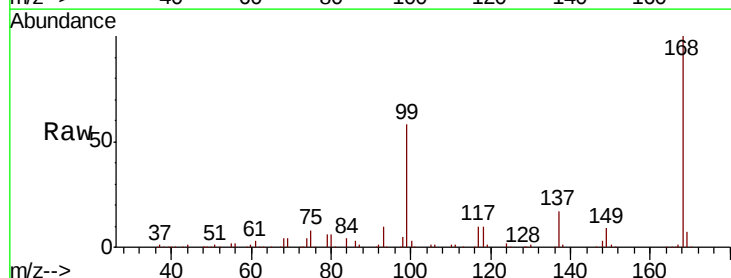
Tgt Ion: 75 Resp: 22127

Ion Ratio Lower Upper

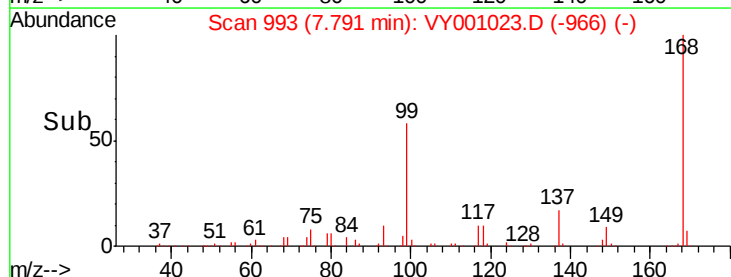
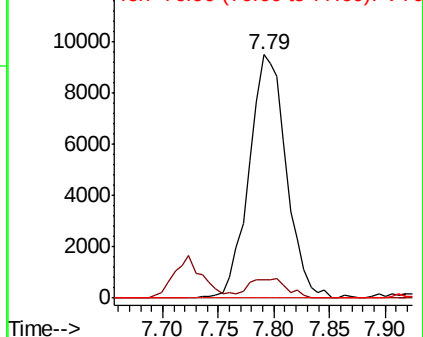
75 100

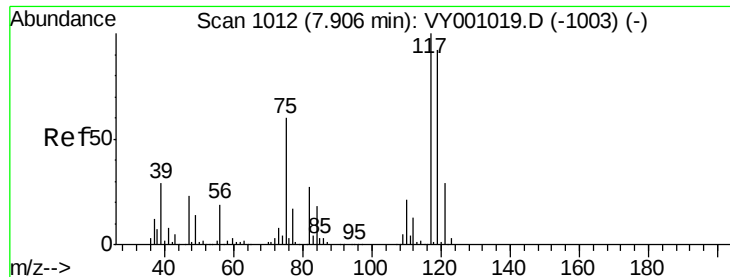
110 8.1 18.1 54.4#

77 0.0 24.6 37.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.232 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1223SBL01

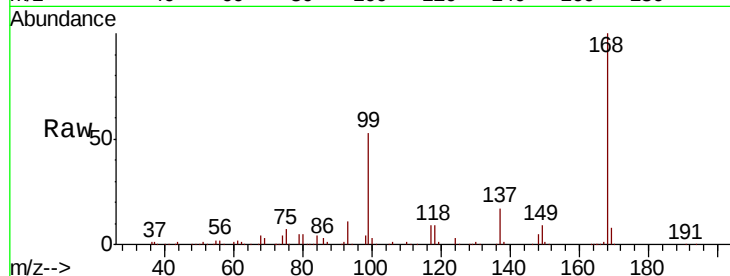
Tot Ion:117 Resp: 26869

Ion Ratio Lower Upper

117 100

119 5.5 74.2 111.2#

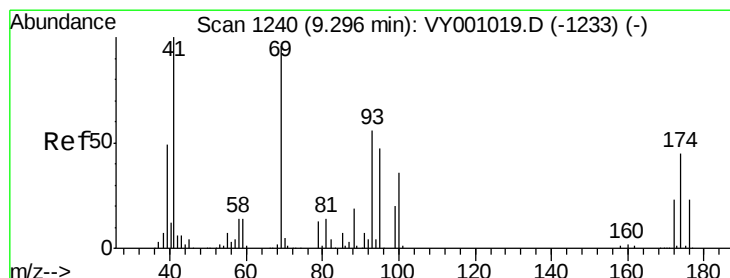
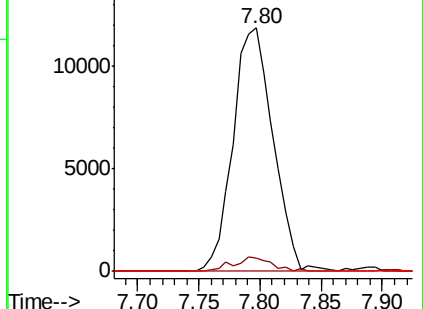
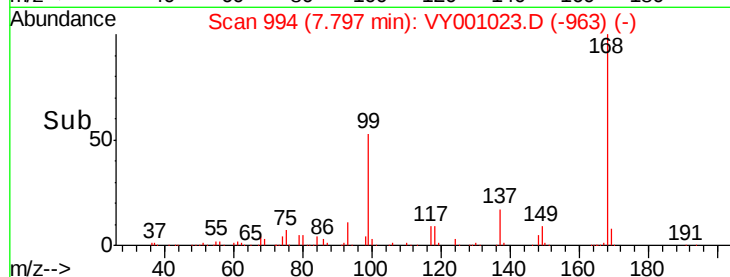
121 0.0 22.9 34.3#



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: 3.846 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

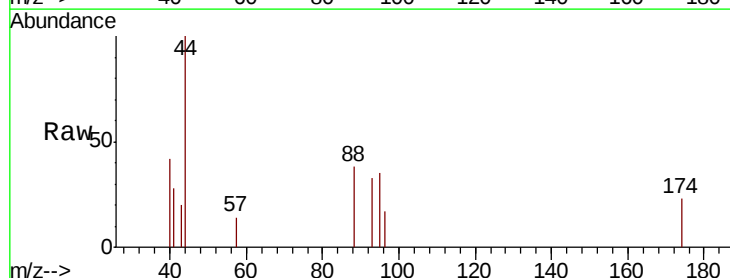
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 74.1 23.0 34.4#

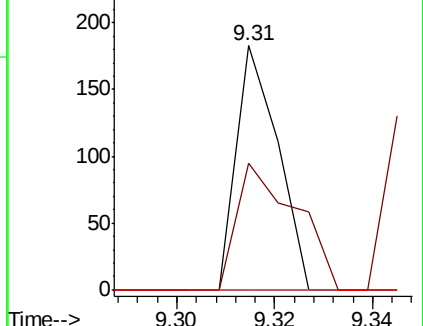
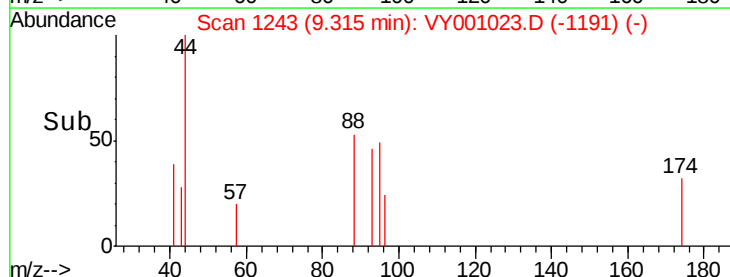
58 0.0 54.9 82.3#

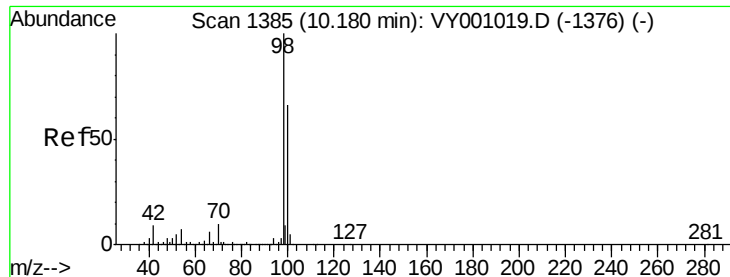


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.953 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

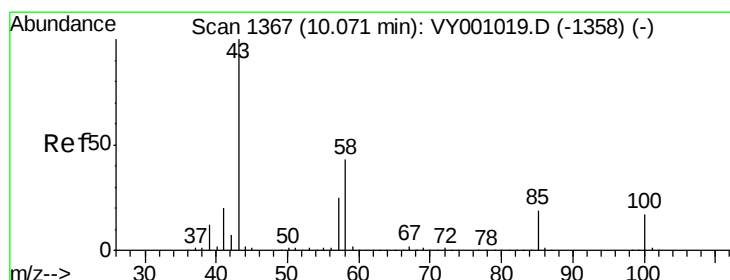
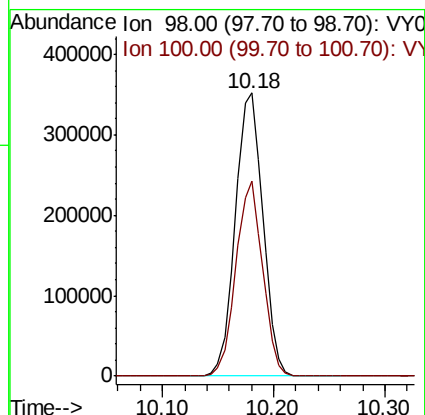
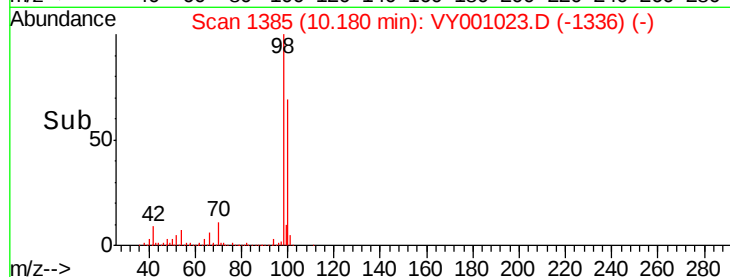
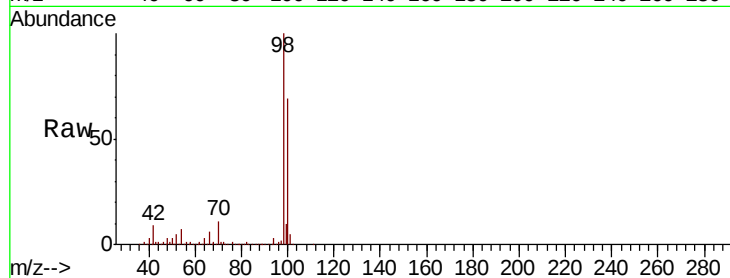
VY1223SBL01

Tot Ion: 98 Resp: 604804

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 1.840 ug/l

RT: 10.06 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VY001023.D

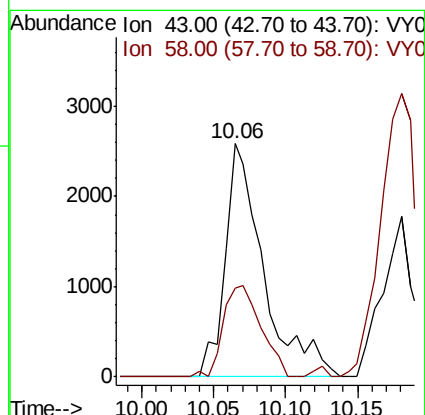
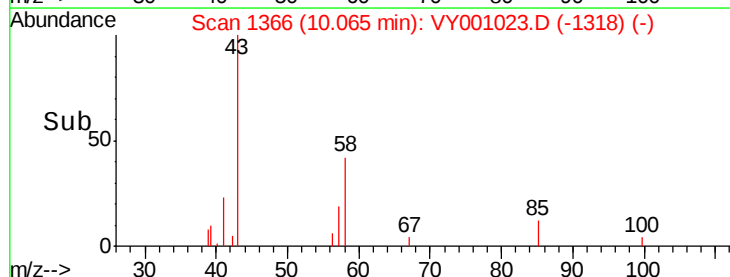
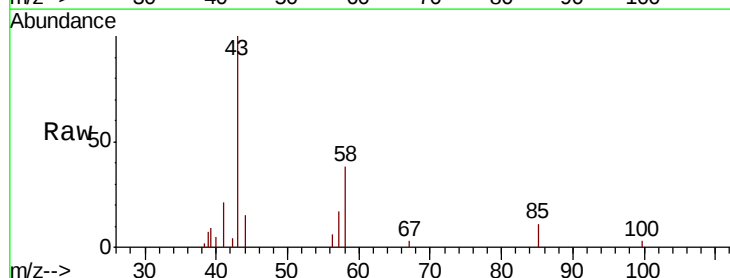
Acq: 23 Dec 2019 13:03

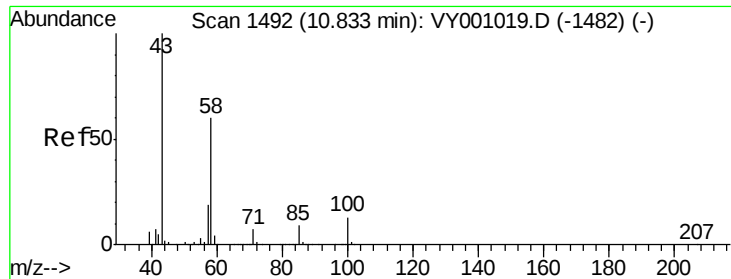
Tgt Ion: 43 Resp: 4836

Ion Ratio Lower Upper

43 100

58 38.4 34.6 52.0

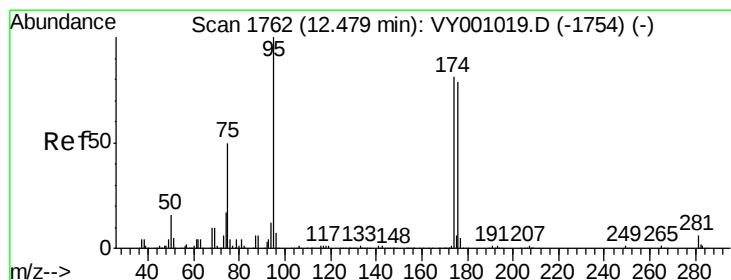
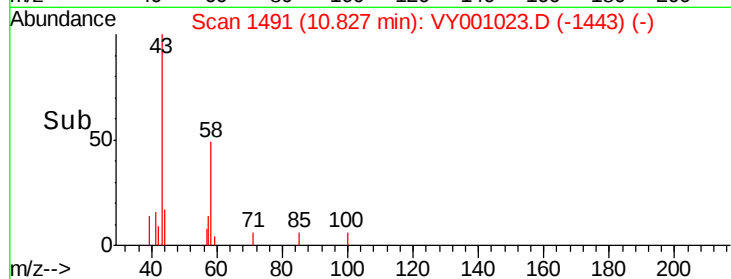
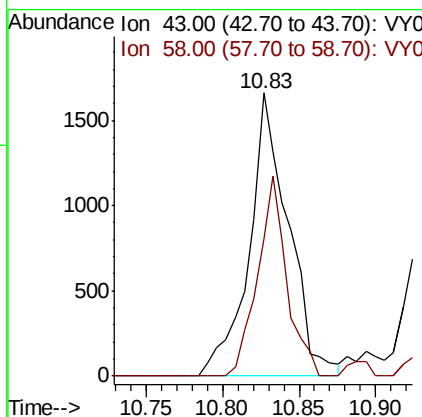
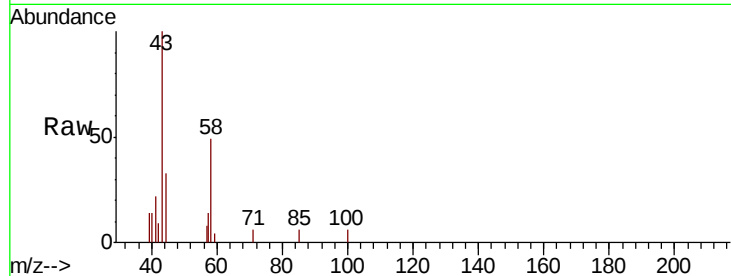




#59
2-Hexanone
Concen: 1.628 ug/l
RT: 10.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VY001023.D
Acq: 23 Dec 2019 13:03

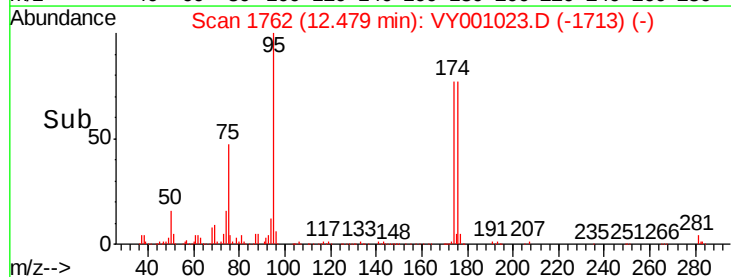
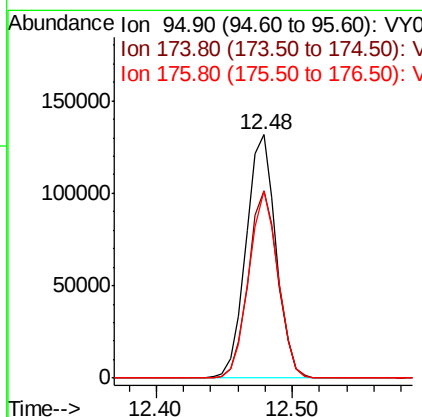
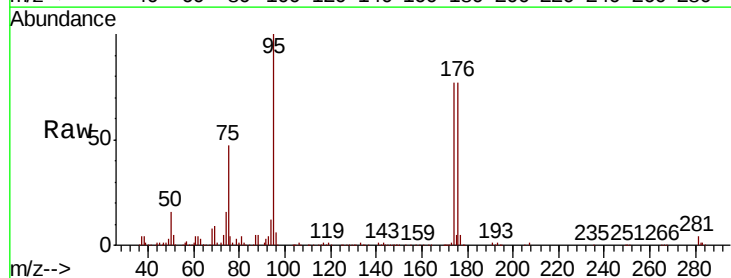
Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

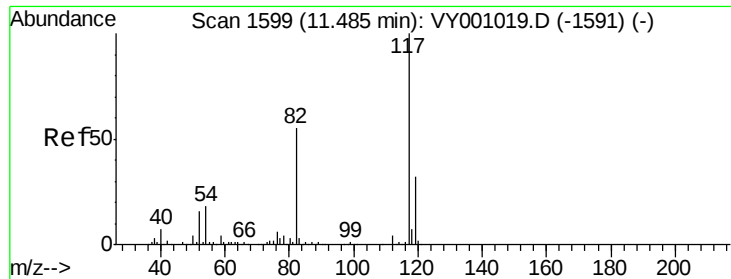
Tot Ion: 43 Resp: 2961
Ion Ratio Lower Upper
43 100
58 52.9 30.6 91.6



#62
4-Bromofluorobenzene
Concen: 46.794 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY001023.D
Acq: 23 Dec 2019 13:03

Tgt Ion: 95 Resp: 203079
Ion Ratio Lower Upper
95 100
174 76.1 0.0 156.4
176 75.4 0.0 155.0

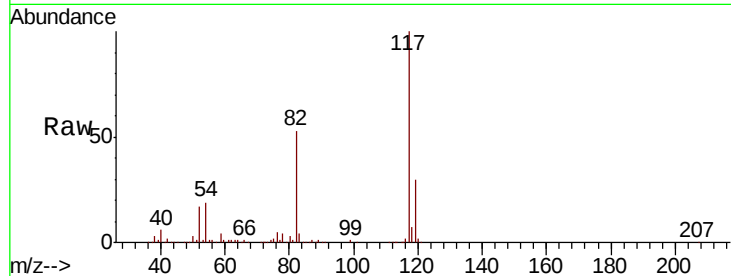




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.48 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001023.D
Acq: 23 Dec 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1223SBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.8	65.8
119	30.4	25.8	38.6

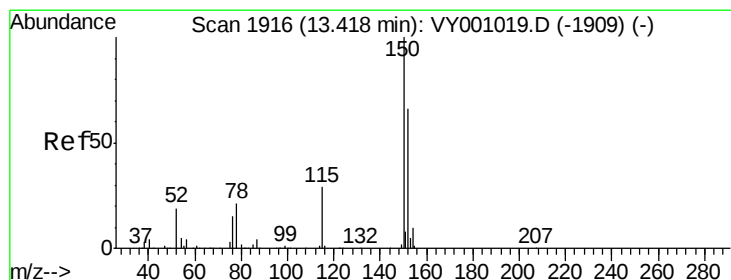
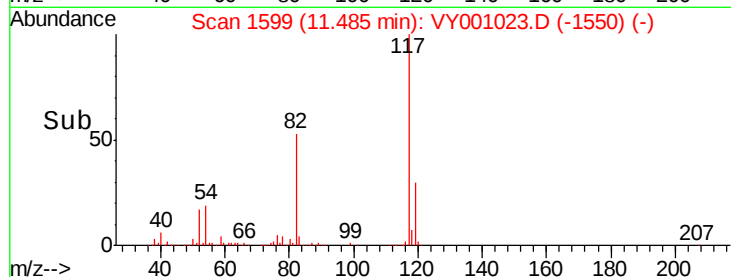
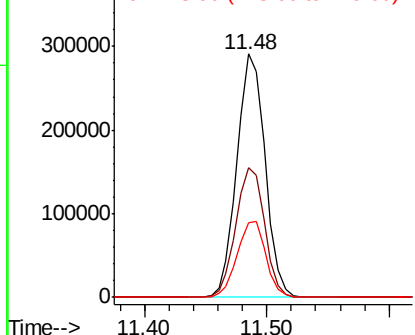


Abundance

Ion 116.90 (116.60 to 117.60): V

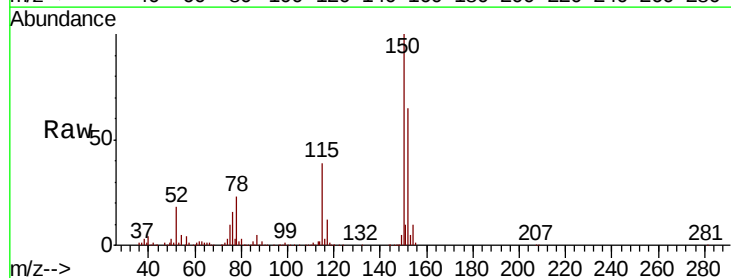
Ion 82.00 (81.70 to 82.70): VY0

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. 0.01 min
Lab File: VY001023.D
Acq: 23 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.8	89.3
150	159.4	0.0	352.6

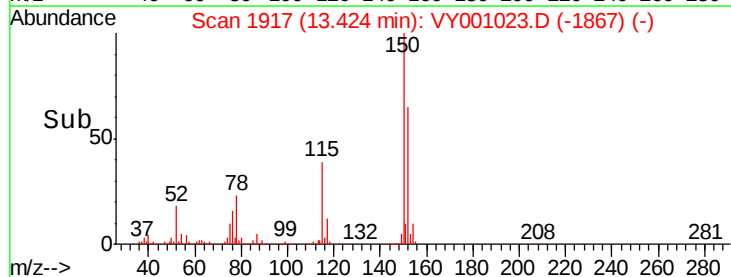
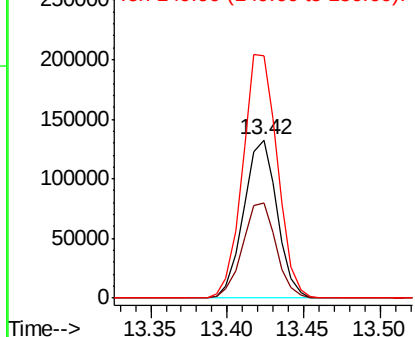


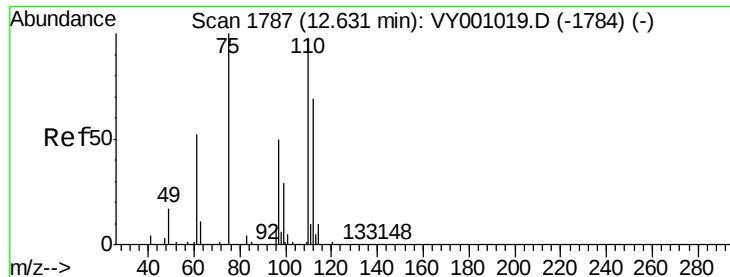
Abundance

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: 39.699 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

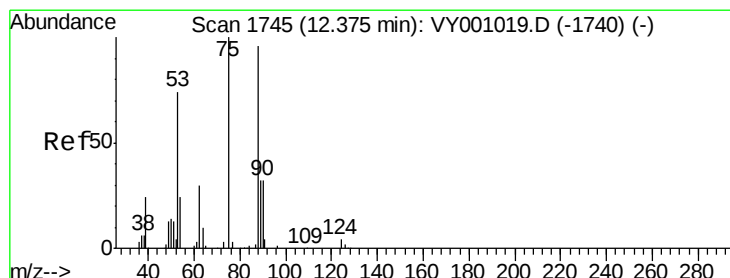
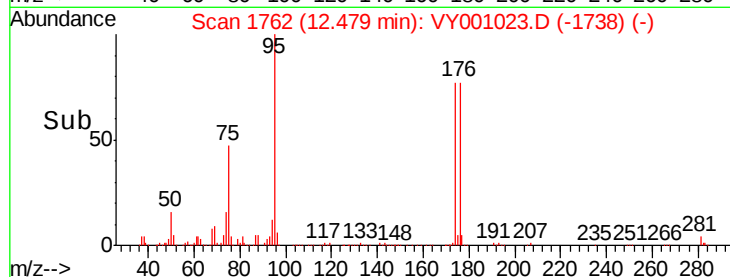
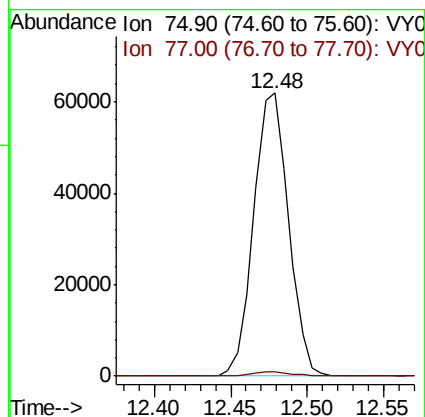
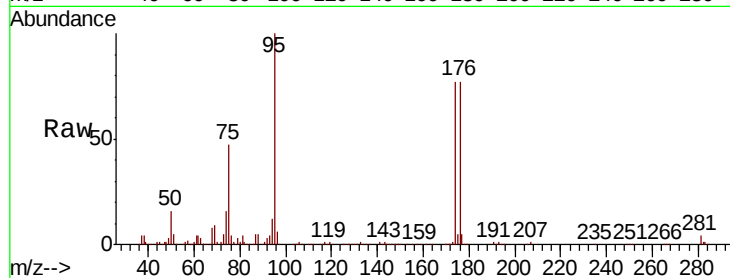
VY1223SBL01

Tot Ion: 75 Resp: 98293

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 84.669 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY001023.D

Acq: 23 Dec 2019 13:03

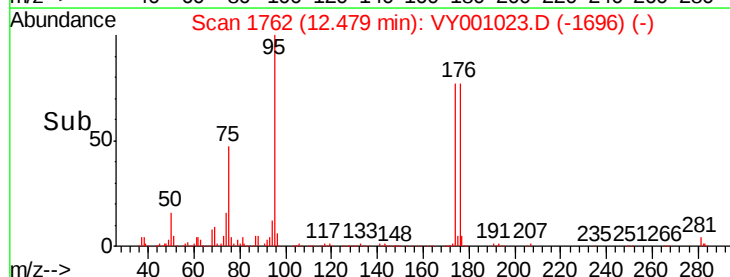
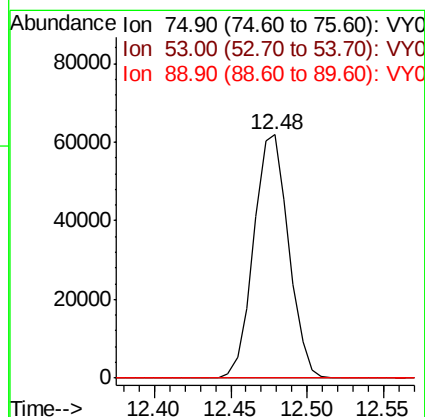
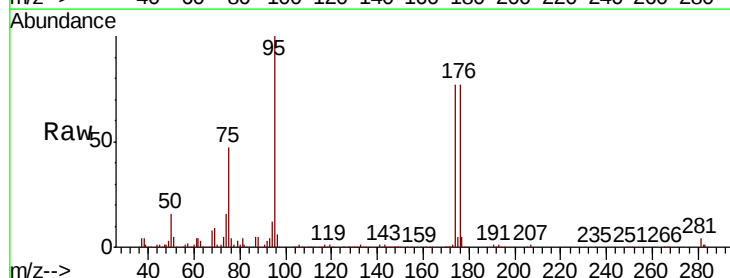
Tgt Ion: 75 Resp: 98293

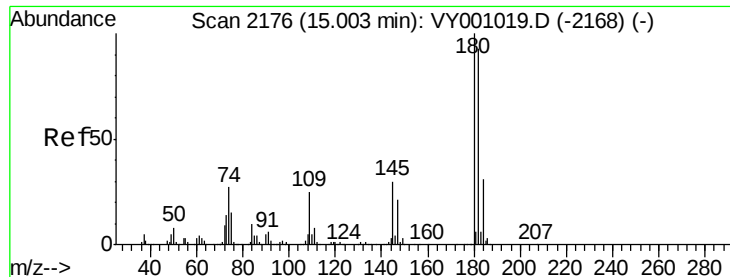
Ion Ratio Lower Upper

75 100

53 0.0 60.6 91.0#

89 0.2 35.4 53.0#

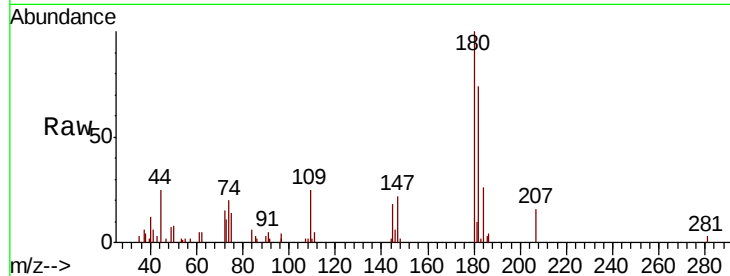




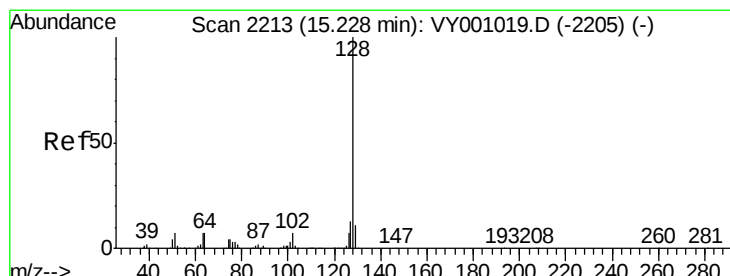
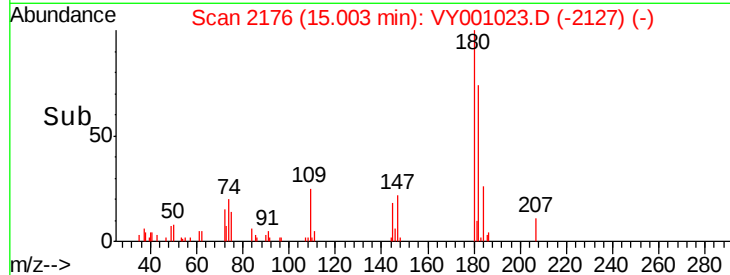
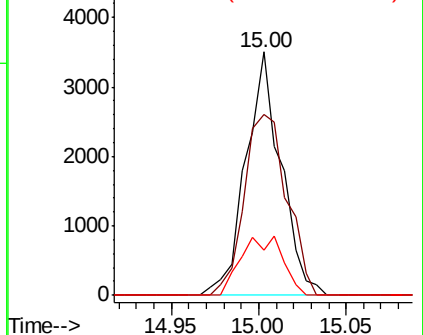
#93
 1,2,4-Trichlorobenzene
 Concen: 1.174 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001023.D
 Acq: 23 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.8	140.3
145	28.7	15.3	45.9

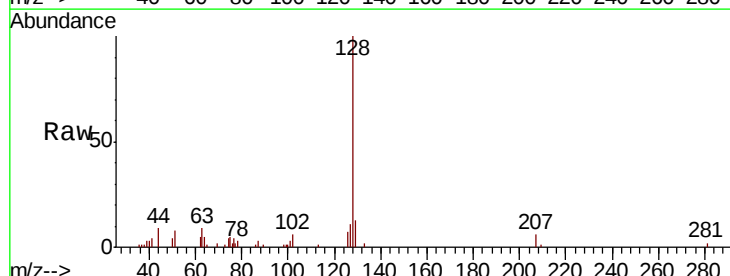


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

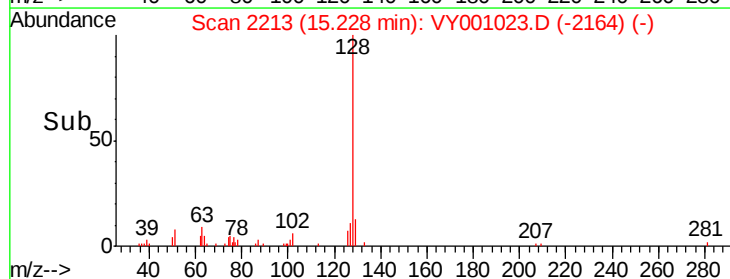
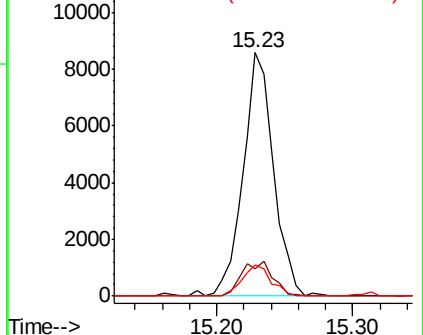


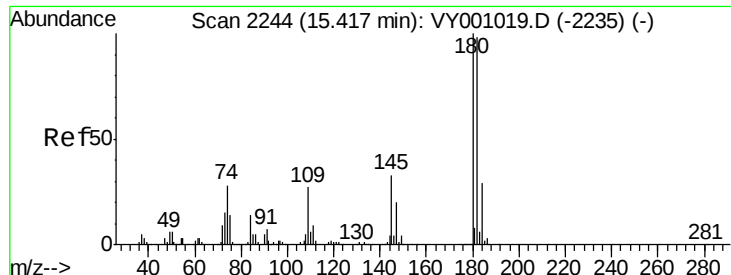
#95
 Naphthalene
 Concen: 1.366 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VY001023.D
 Acq: 23 Dec 2019 13:03

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	9.9	14.9
129	12.1	8.6	13.0



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

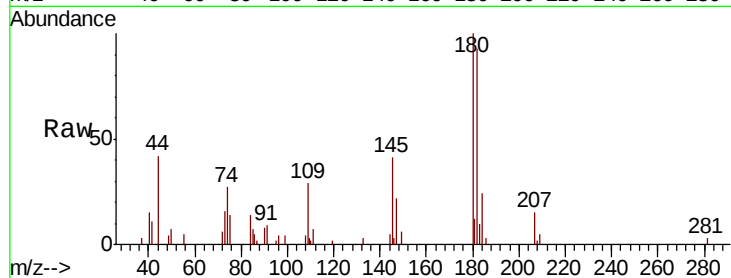




#96
 1,2,3-Trichlorobenzene
 Concen: 1.214 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: VY001023.D
 Acq: 23 Dec 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1223SBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.0	47.9	143.8
145	35.4	16.3	48.9



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

