

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003103.D
 Acq On : 06 Jul 2020 10:45
 Operator : SY/MD
 Sample : VY0706SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBL01

Quant Time: Jul 07 07:01:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	427891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	634026	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	575728	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	300126	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	206478	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	7.72	113	201339	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.18	98	743292	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.48	95	257816	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

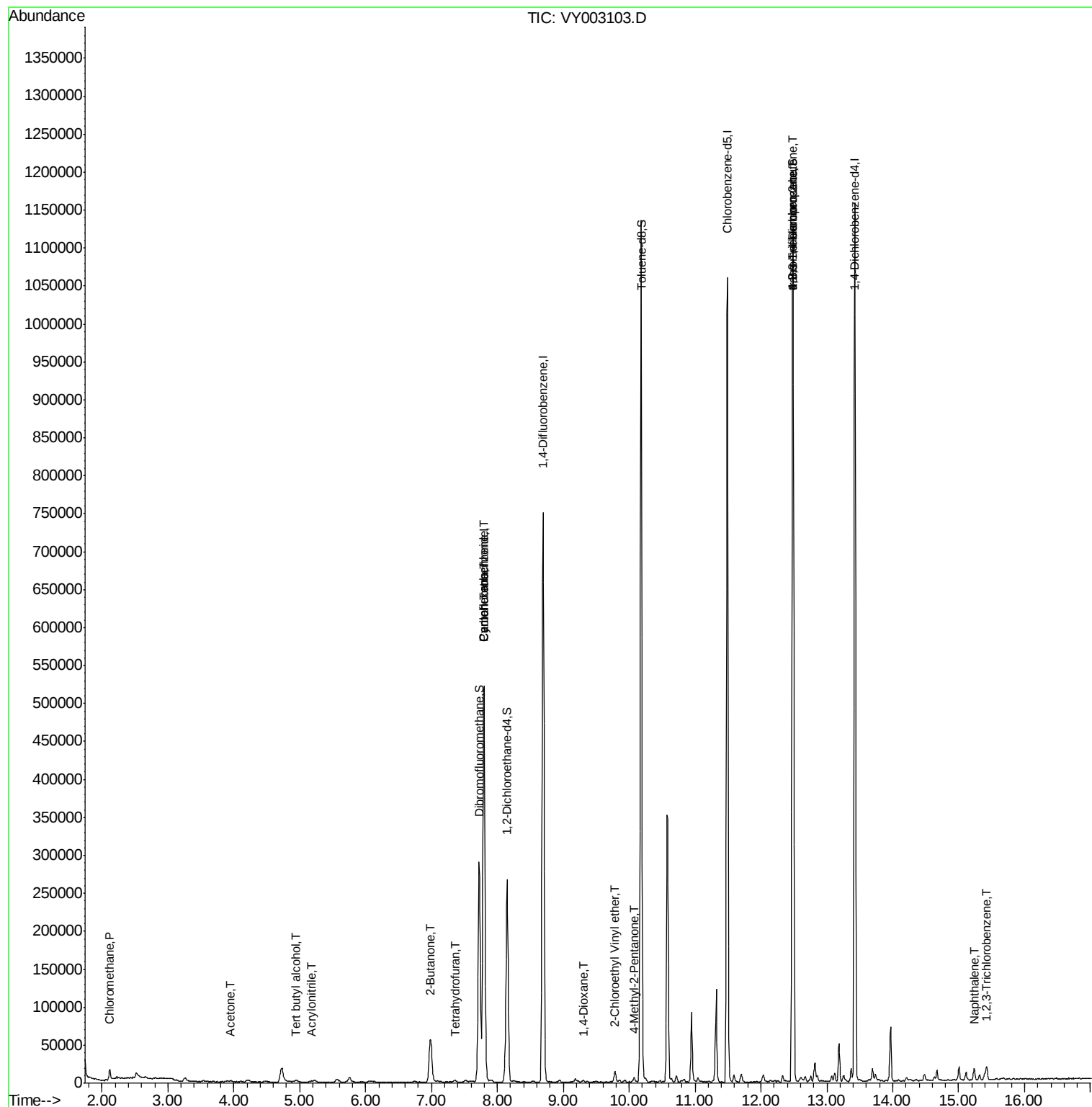
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	12080	2.546	ug/l #	85
11) Tert butyl alcohol	4.94	59	3205	7.400	ug/l #	77
15) Acrylonitrile	5.18	53	1841	1.595	ug/l #	83
16) Acetone	3.96	43	3094	3.087	ug/l	96
20) Methylene Chloride	4.72	84	13814	Below Cal		87
25) 2-Butanone	6.99	43	4603	2.891	ug/l #	81
29) Tetrahydrofuran	7.36	42	1371	1.295	ug/l #	87
31) Cyclohexane	7.79	56	9312	1.246	ug/l #	11
38) Carbon Tetrachloride	7.79	117	38647	6.082	ug/l #	18
49) 1,4-Dioxane	9.30	88	102	3.326	ug/l #	32
51) 4-Methyl-2-Pentanone	10.08	43	4069	1.128	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.78	63	6332	2.443	ug/l	100
76) 1,2,3-Trichloropropane	12.48	75	136918	46.095	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	136918	89.682	ug/l #	13
95) Naphthalene	15.23	128	11728	1.024	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	5818	1.069	ug/l	98

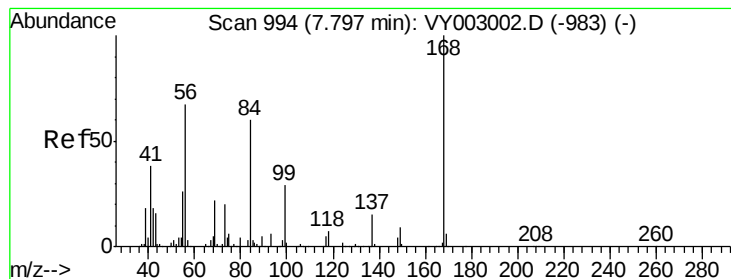
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

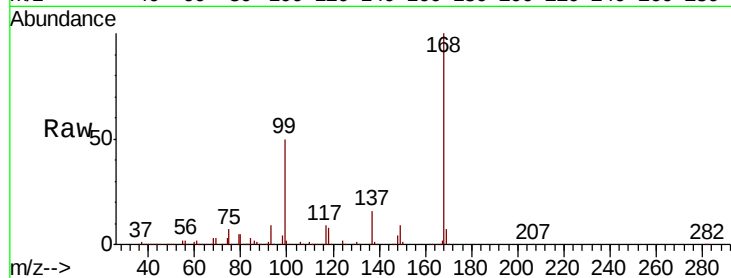
VY0706SBL01

Tot Ion:168 Resp: 427891

Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003103.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003103.D (-945) (-)

7.80

200000

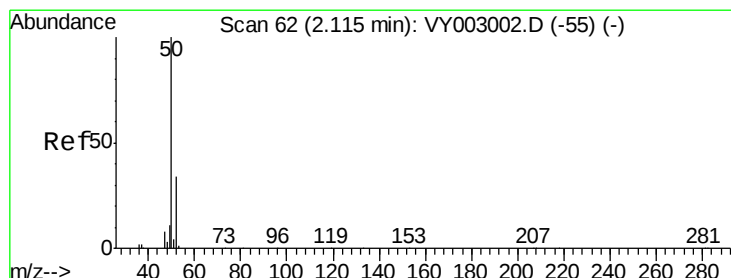
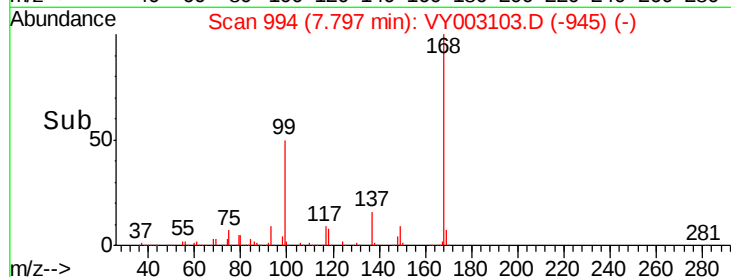
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 2.546 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY003103.D

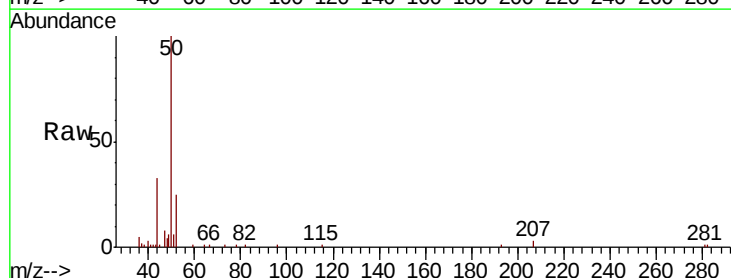
Acq: 06 Jul 2020 10:45

Tgt Ion: 50 Resp: 12080

Ion Ratio Lower Upper

50 100

52 25.0 26.9 40.3#



Abundance Ion 49.90 (49.60 to 50.60): VY003103.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003103.D (-13) (-)

2.12

10000

8000

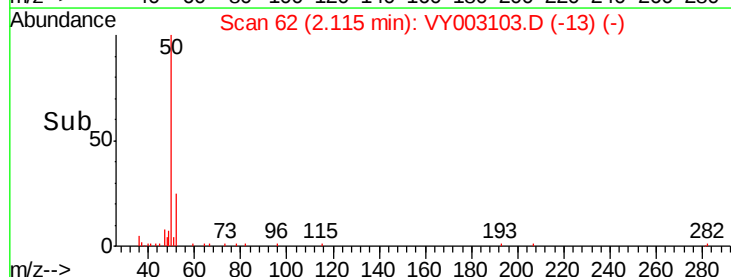
6000

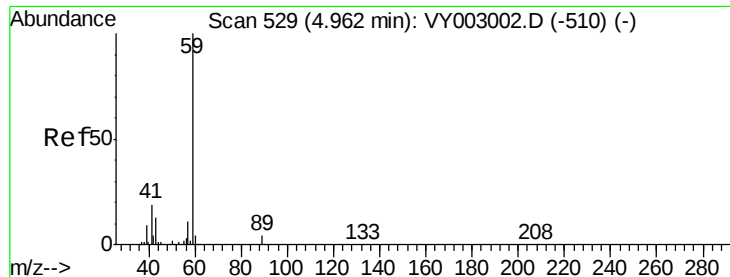
4000

2000

0

Time-->

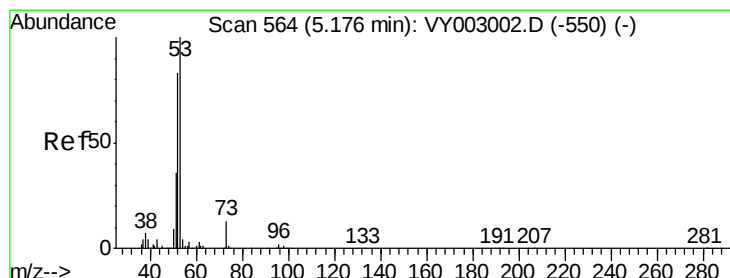
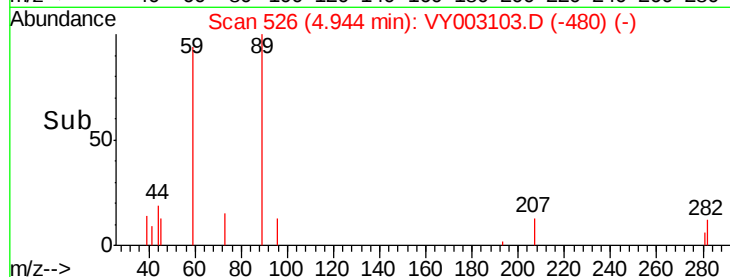
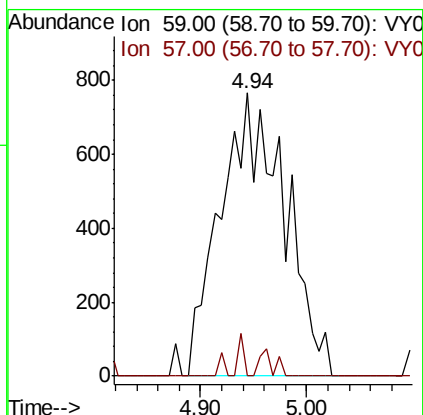
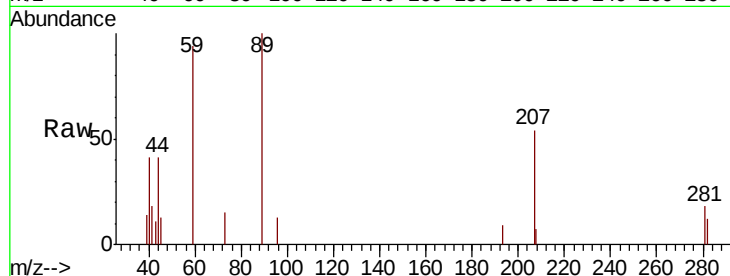




#11
Tert butyl alcohol
Concen: 7.400 ug/l
RT: 4.94 min Scan# 526
Delta R.T. -0.02 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

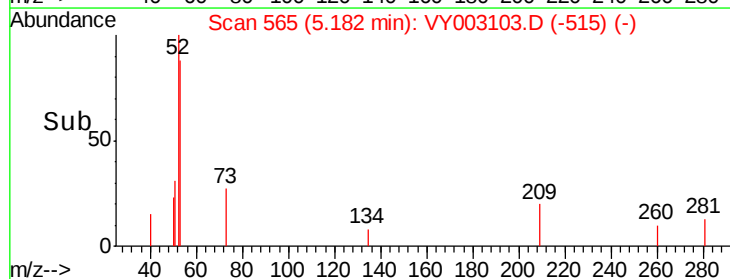
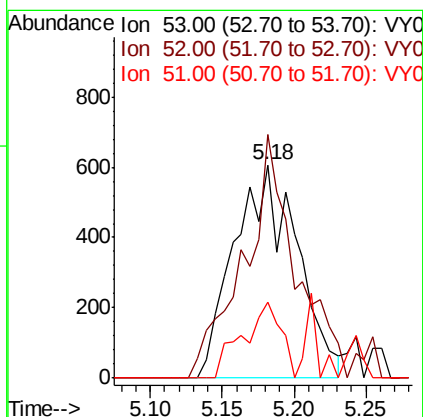
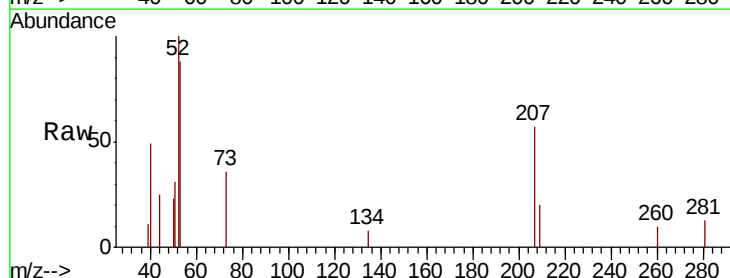
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBL01

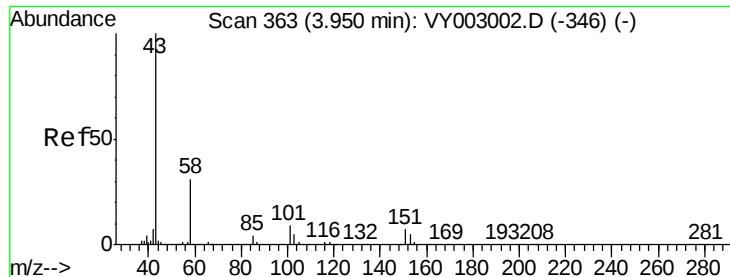
Tot Ion: 59 Resp: 3205
Ion Ratio Lower Upper
59 100
57 1.3 8.0 12.0#



#15
Acrylonitrile
Concen: 1.595 ug/l
RT: 5.18 min Scan# 565
Delta R.T. 0.01 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

Tgt Ion: 53 Resp: 1841
Ion Ratio Lower Upper
53 100
52 94.0 66.2 99.2
51 21.6 29.5 44.3#





#16

Acetone

Concen: 3.087 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

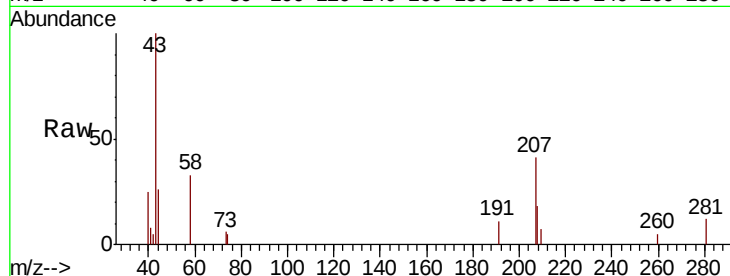
VY0706SBL01

Tot Ion: 43 Resp: 3094

Ion Ratio Lower Upper

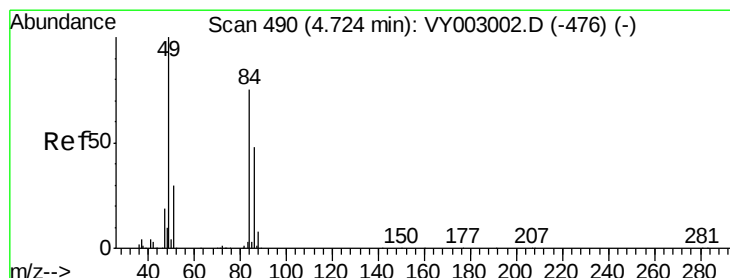
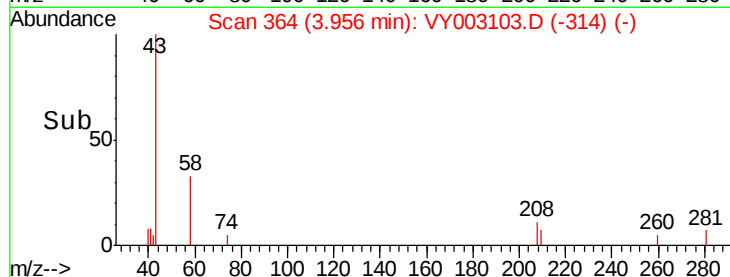
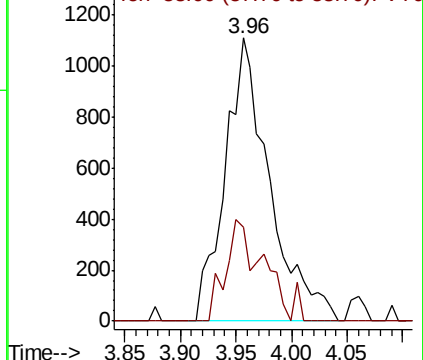
43 100

58 33.3 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

Tgt Ion: 84 Resp: 13814

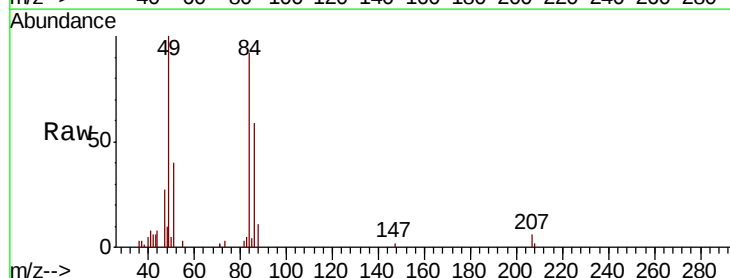
Ion Ratio Lower Upper

84 100

49 108.8 106.8 160.2

51 43.1 32.0 48.0

86 64.5 51.4 77.2

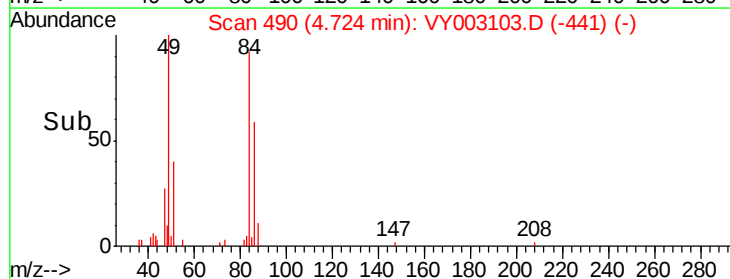
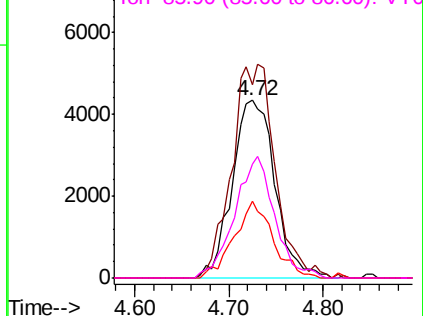


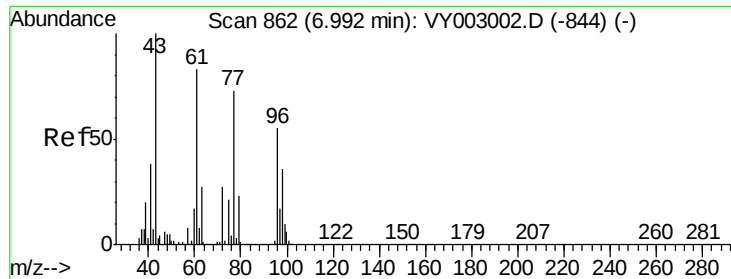
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

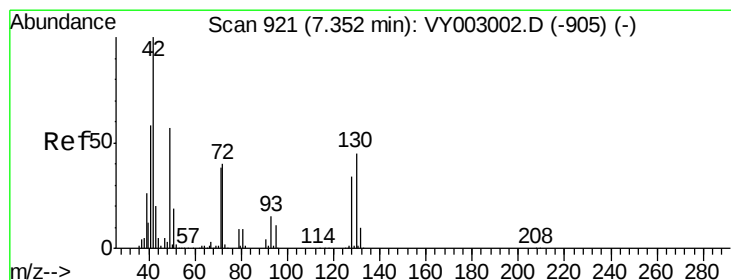
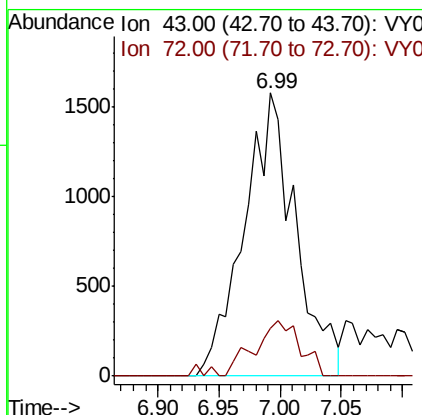
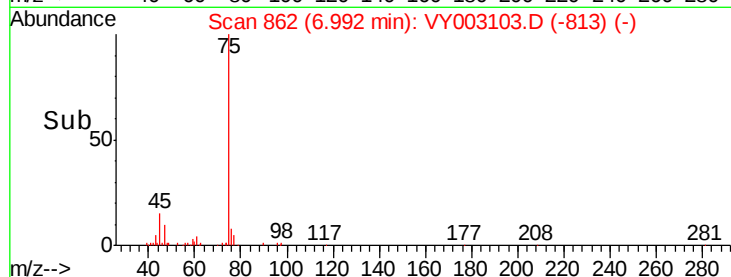
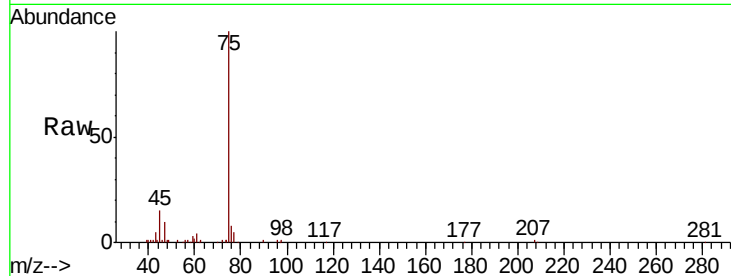




#25
2-Butanone
Concen: 2.891 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

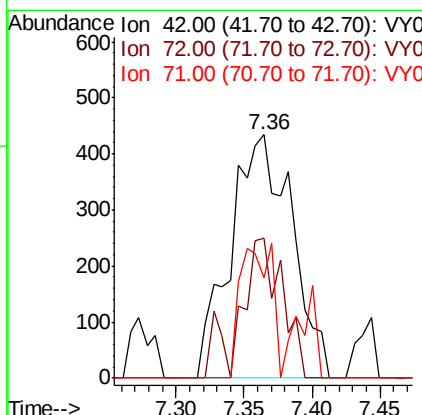
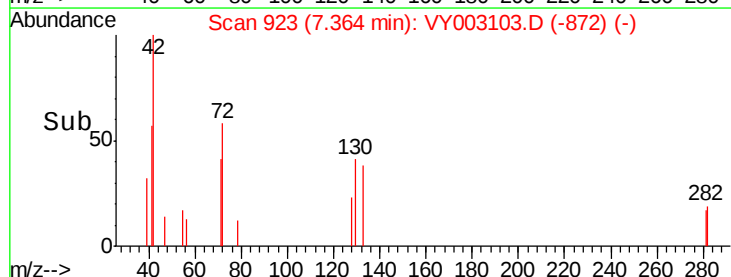
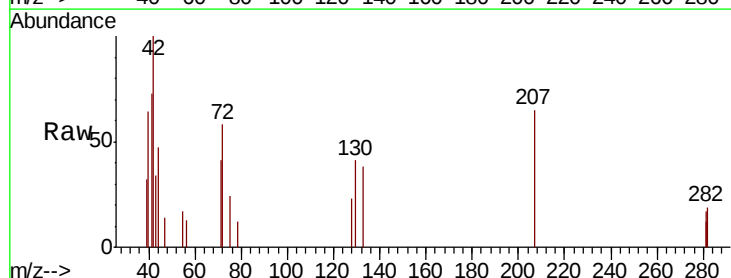
Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBL01

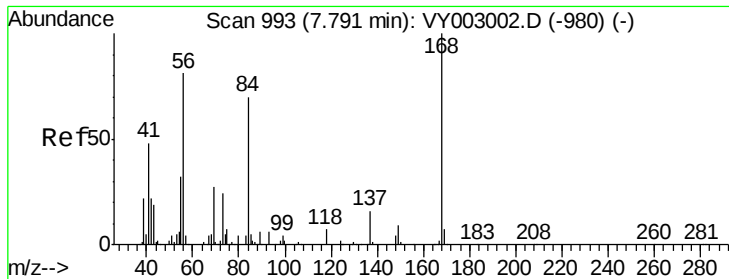
Tot Ion: 43 Resp: 4603
Ion Ratio Lower Upper
43 100
72 16.8 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.295 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

Tgt Ion: 42 Resp: 1371
Ion Ratio Lower Upper
42 100
72 34.3 32.9 49.3
71 29.7 31.2 46.8#

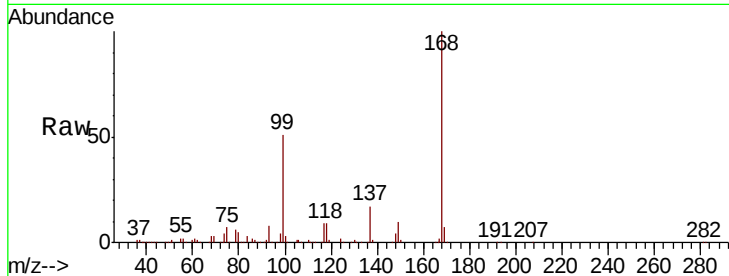




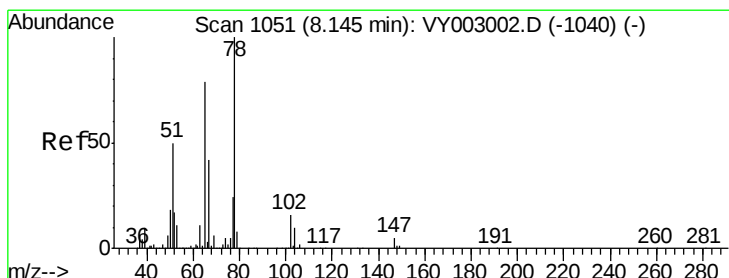
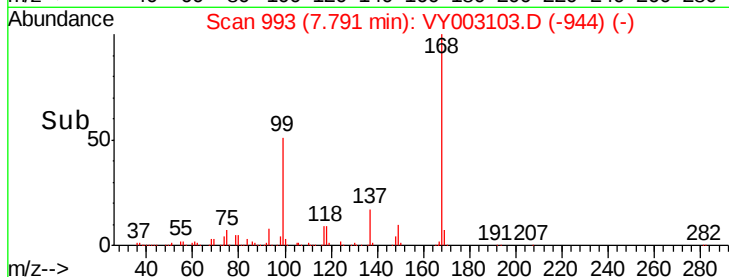
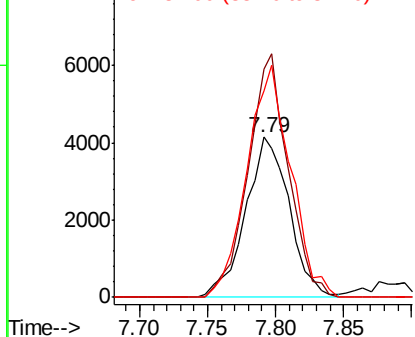
#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBL01

Tot Ion: 56 Resp: 9312
Ion Ratio Lower Upper
56 100
69 143.2 27.0 40.4#
84 129.1 68.1 102.1#

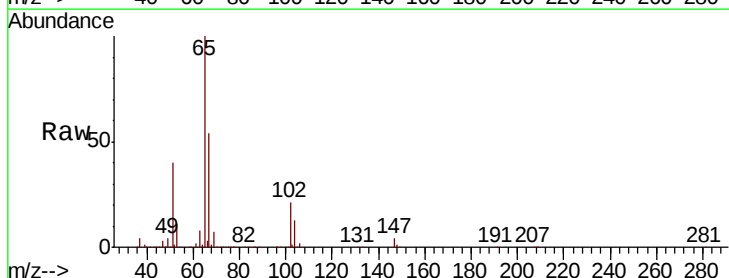


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

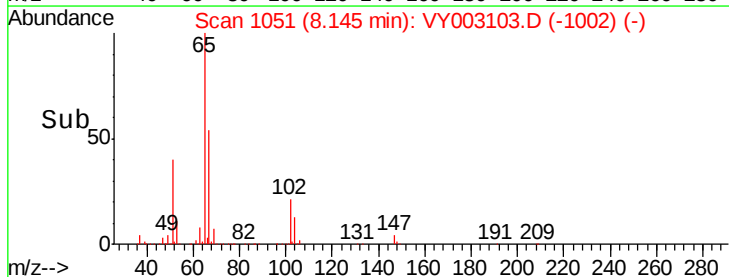
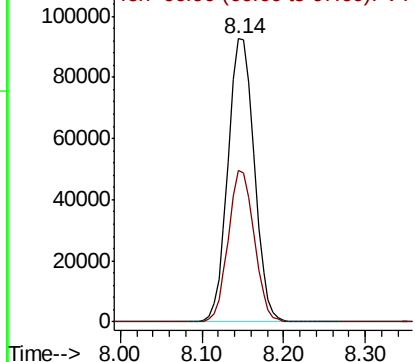


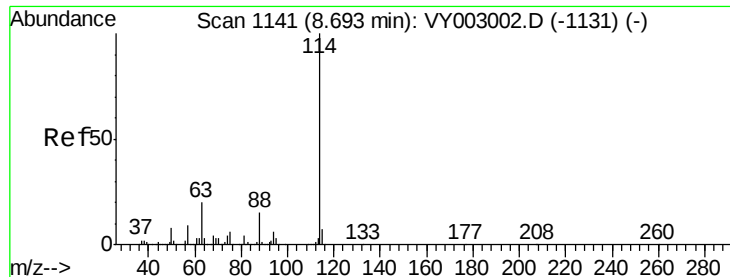
#33
1,2-Dichloroethane-d4
Concen: 48.585 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

Tgt Ion: 65 Resp: 206478
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6



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

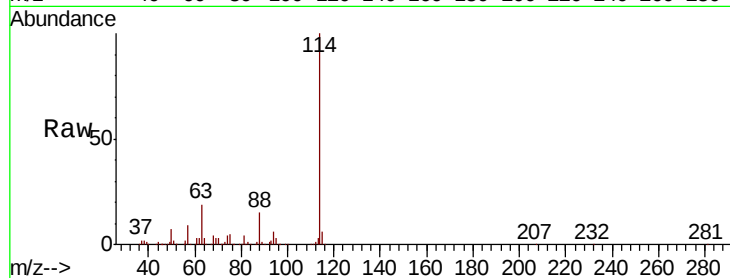




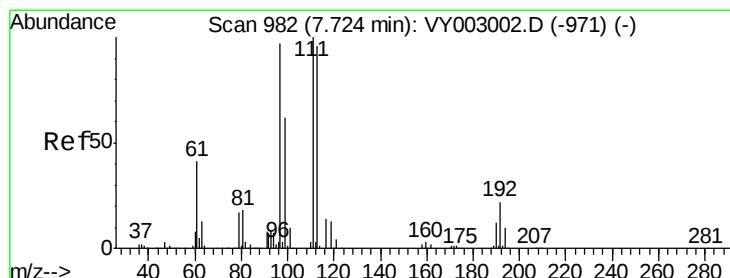
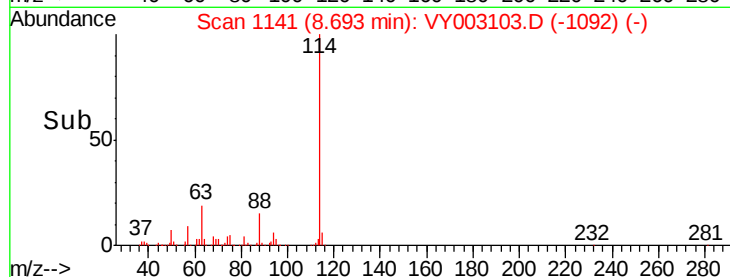
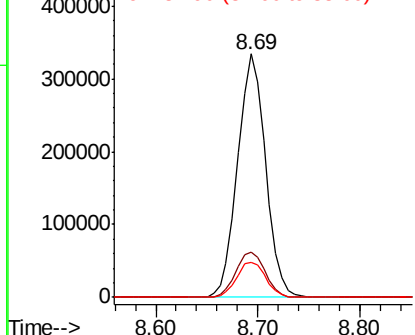
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003103.D
 Acq: 06 Jul 2020 10:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBL01

Tot Ion:114 Resp: 634026
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.6
 88 14.5 0.0 30.0

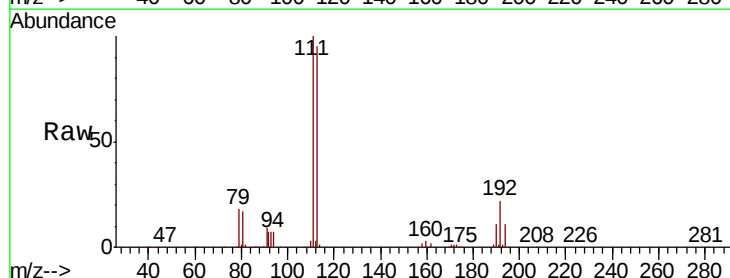


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

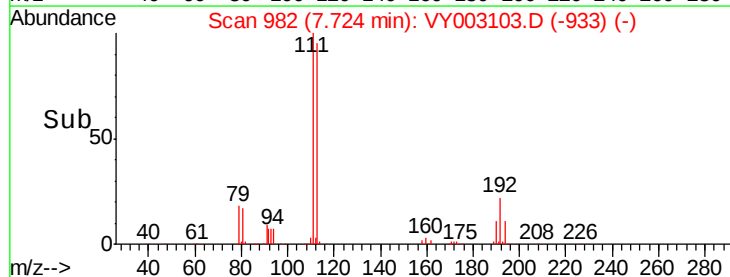
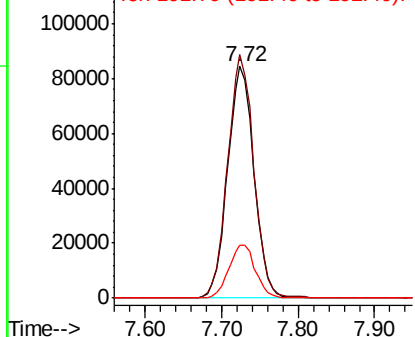


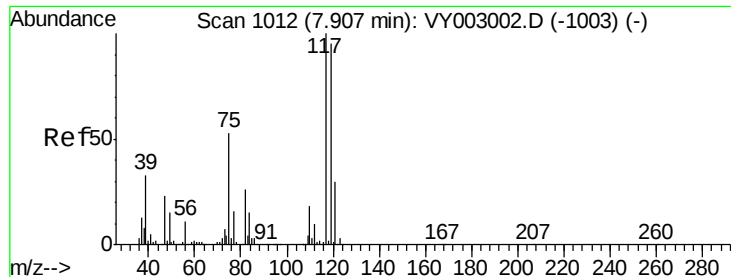
#35
 Dibromofluoromethane
 Concen: 50.905 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VY003103.D
 Acq: 06 Jul 2020 10:45

Tgt Ion:113 Resp: 201339
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.6 123.8
 192 22.9 18.1 27.1



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





#38

Carbon Tetrachloride

Concen: 6.082 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBL01

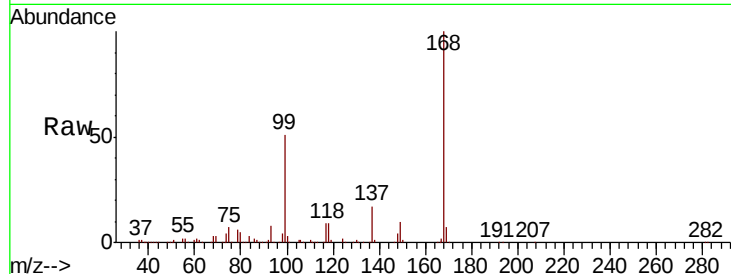
Tot Ion:117 Resp: 38647

Ion Ratio Lower Upper

117 100

119 7.4 75.7 113.5#

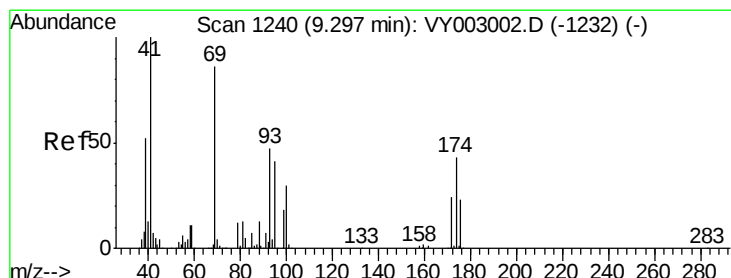
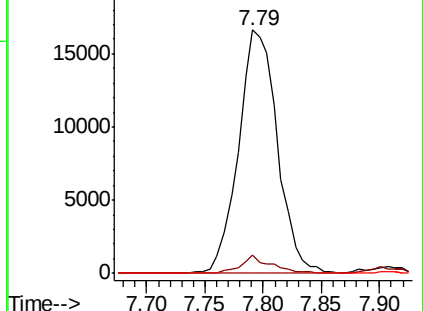
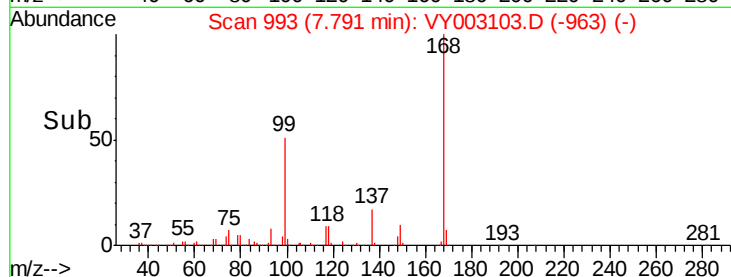
121 0.0 23.9 35.9#



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: 3.326 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

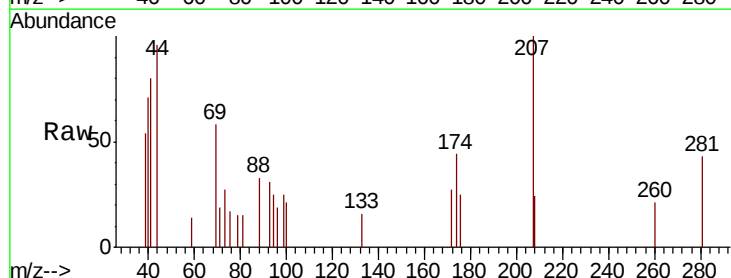
Tgt Ion: 88 Resp: 102

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

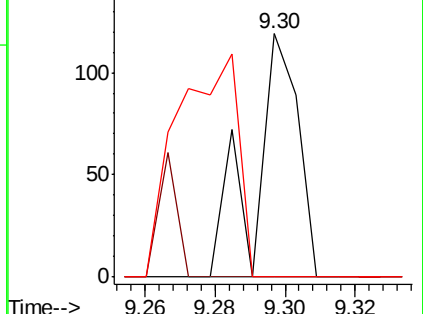
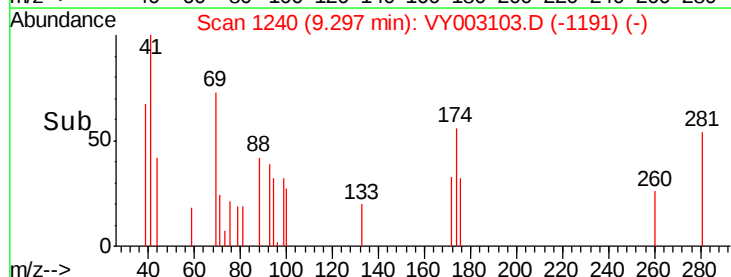
58 129.4 56.7 85.1#

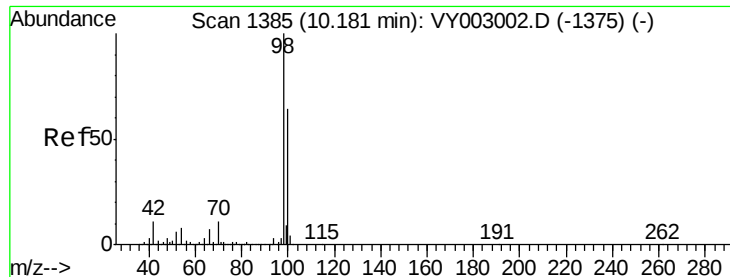


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.445 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

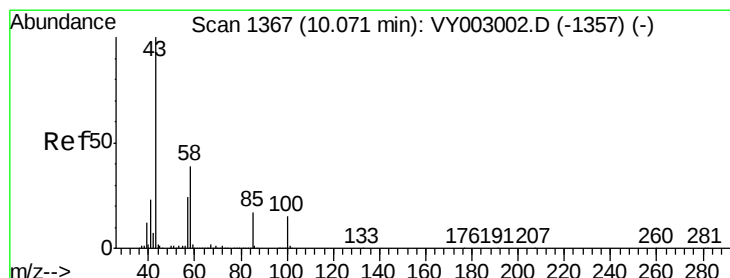
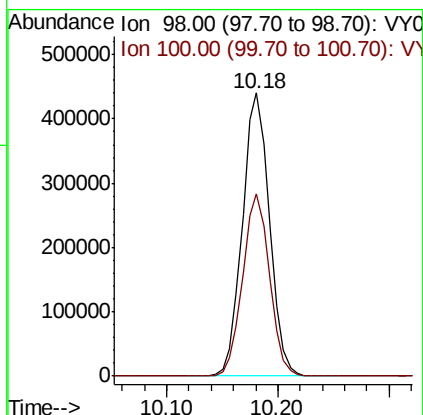
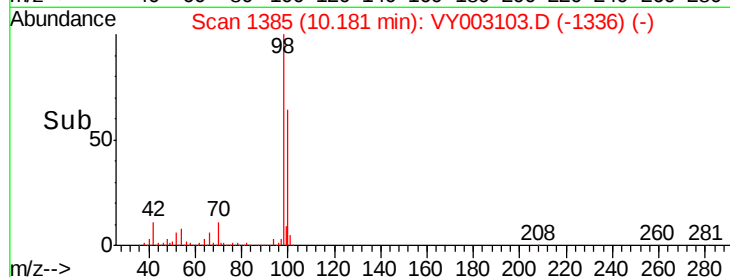
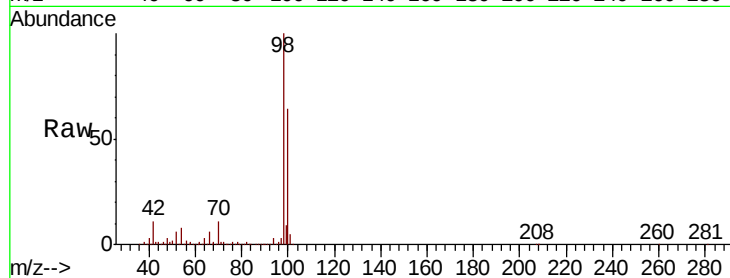
VY0706SBL01

Tot Ion: 98 Resp: 743292

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 1.128 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY003103.D

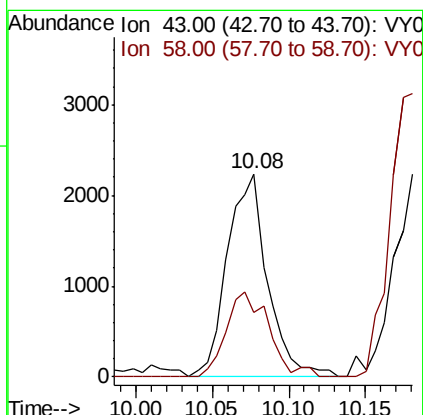
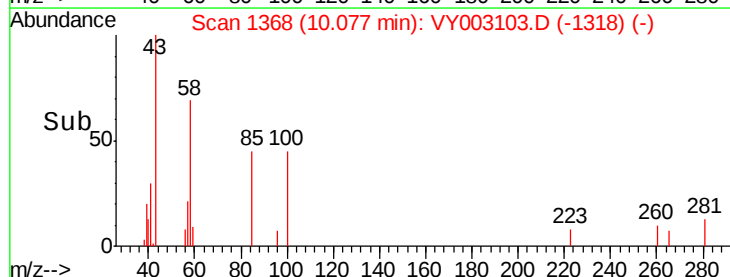
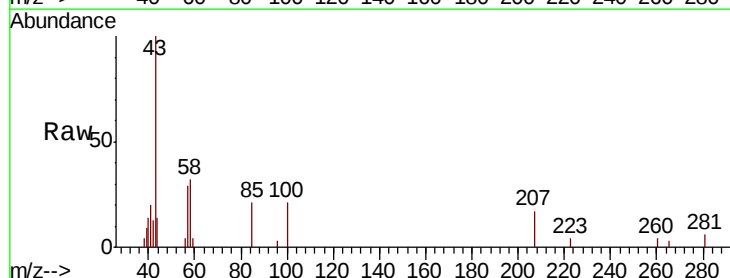
Acq: 06 Jul 2020 10:45

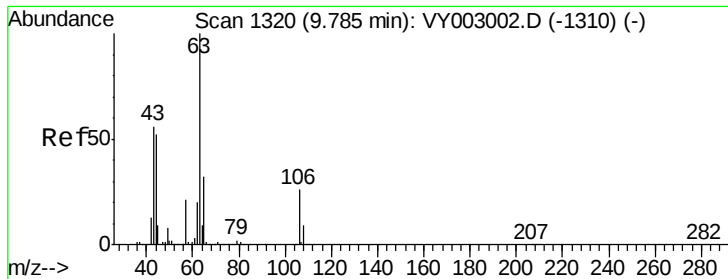
Tgt Ion: 43 Resp: 4069

Ion Ratio Lower Upper

43 100

58 44.5 31.1 46.7

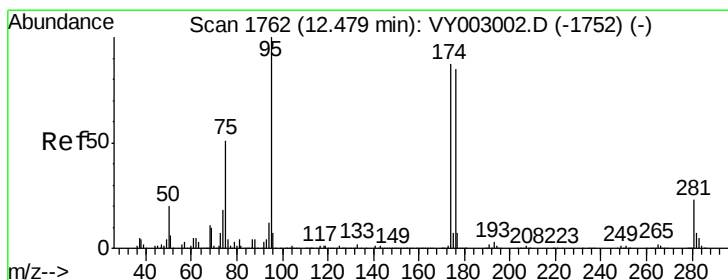
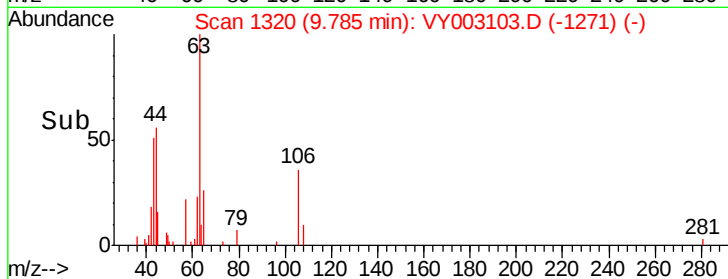
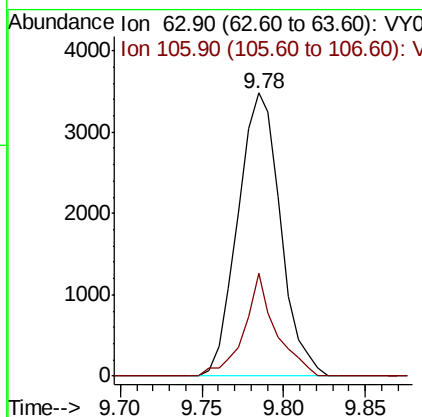
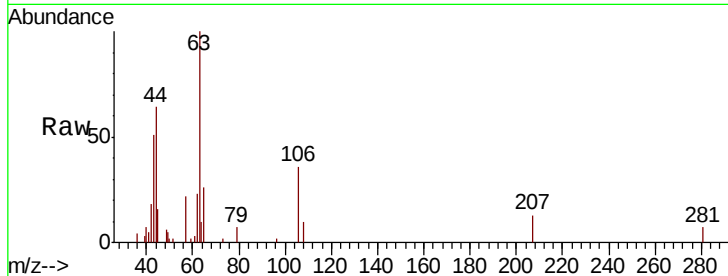




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.443 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY003103.D
 Acq: 06 Jul 2020 10:45

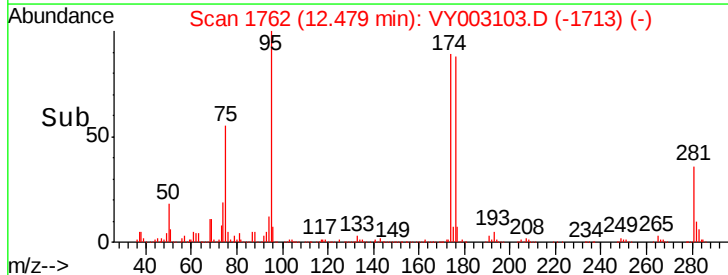
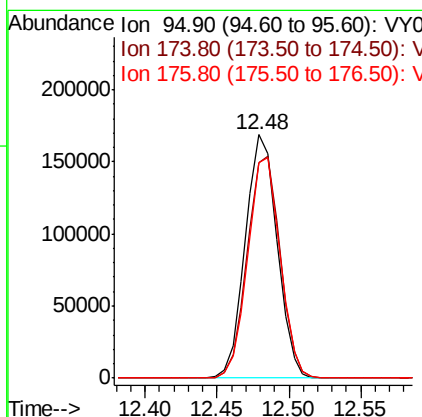
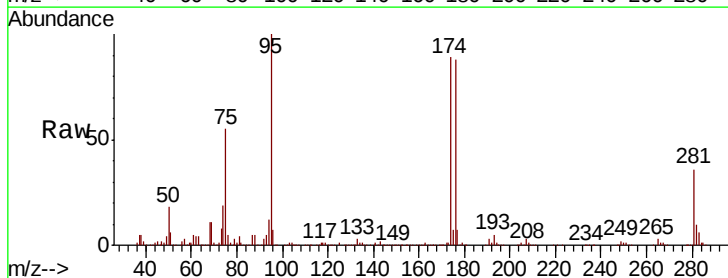
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0706SBL01

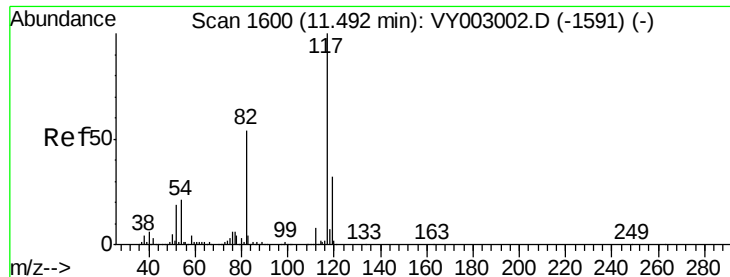
Tot Ion: 63 Resp: 6332
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.5 32.3



#62
 4-Bromofluorobenzene
 Concen: 49.708 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY003103.D
 Acq: 06 Jul 2020 10:45

Tgt Ion: 95 Resp: 257816
 Ion Ratio Lower Upper
 95 100
 174 94.1 0.0 184.8
 176 91.8 0.0 183.0

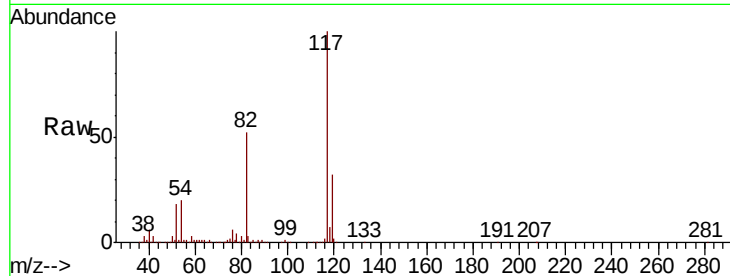




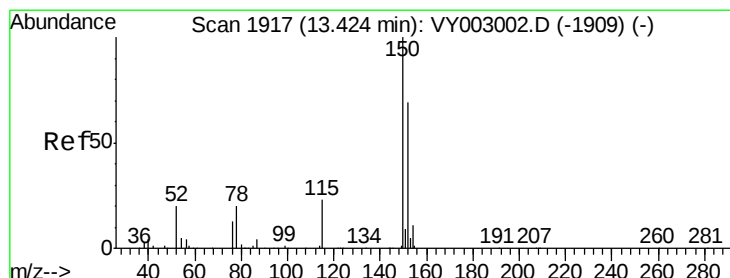
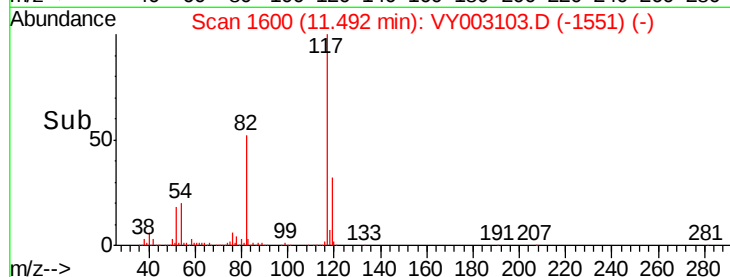
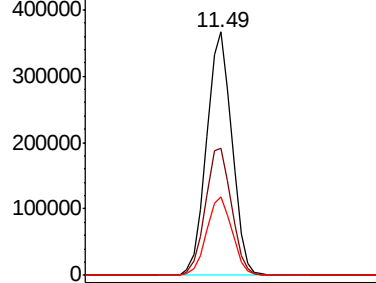
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

Instrument :
MSVOA_Y
ClientSampleId :
VY0706SBL01

Tot Ion:117 Resp: 575728
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.6
119 32.1 25.8 38.8

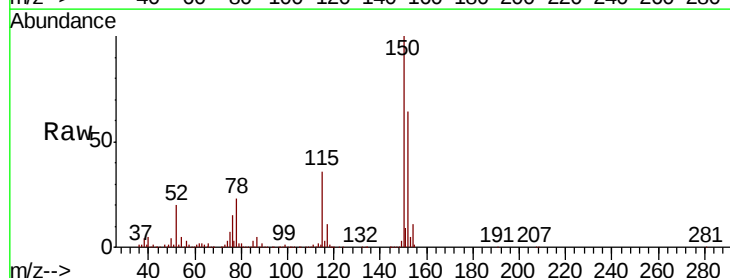


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

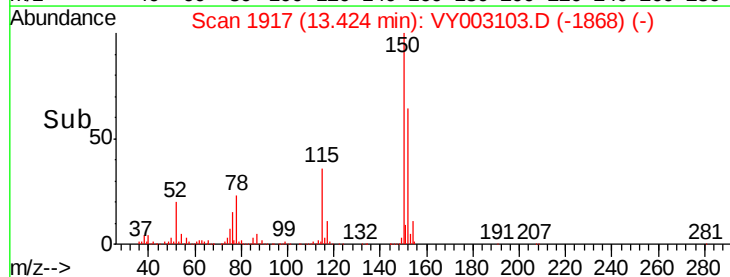
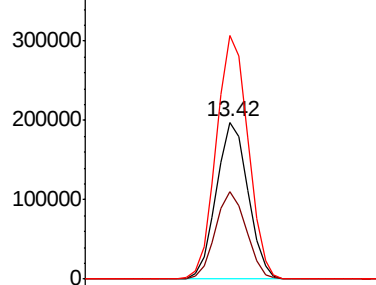


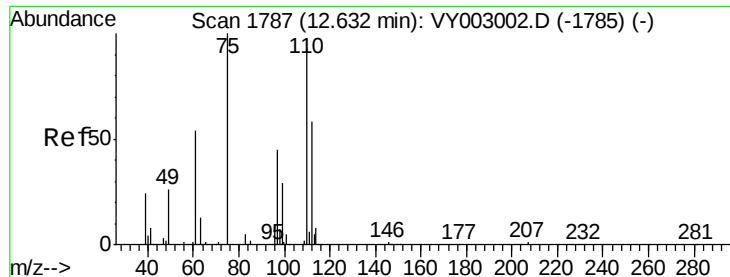
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003103.D
Acq: 06 Jul 2020 10:45

Tgt Ion:152 Resp: 300126
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 155.9 0.0 343.4



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: 46.095 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

Instrument :

MSVOA_Y

ClientSampled :

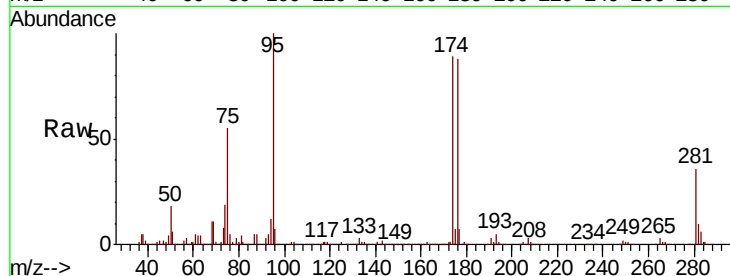
VY0706SBL01

Tot Ion: 75 Resp: 136918

Ion Ratio Lower Upper

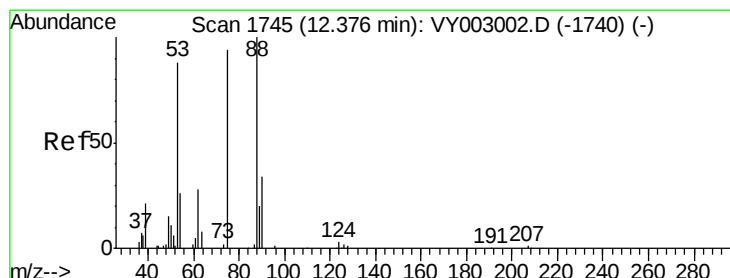
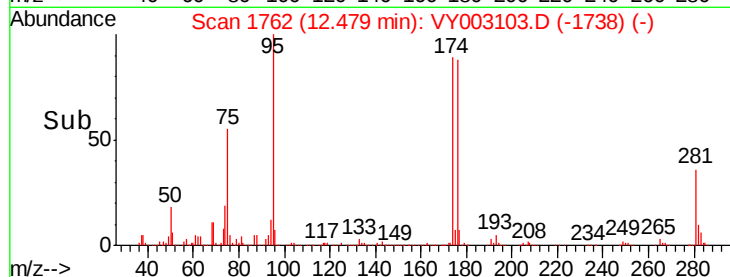
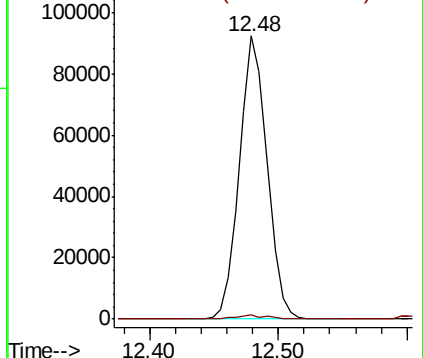
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 89.682 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

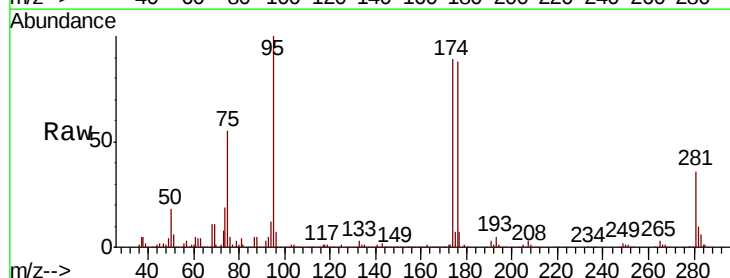
Tgt Ion: 75 Resp: 136918

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

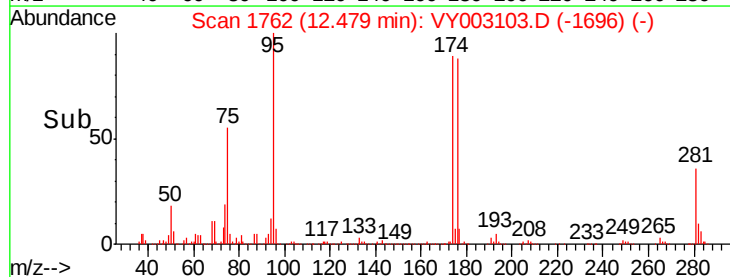
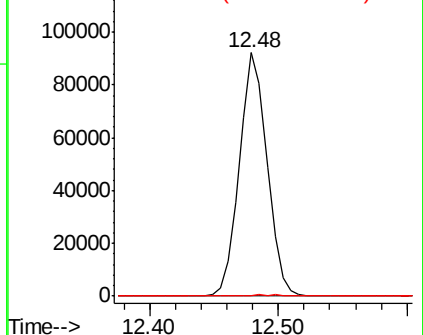
89 0.8 37.5 56.3#

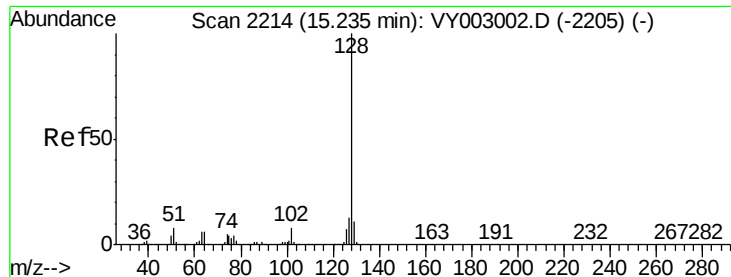


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#95

Naphthalene

Concen: 1.024 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

Instrument :

MSVOA_Y

ClientSampleId :

VY0706SBL01

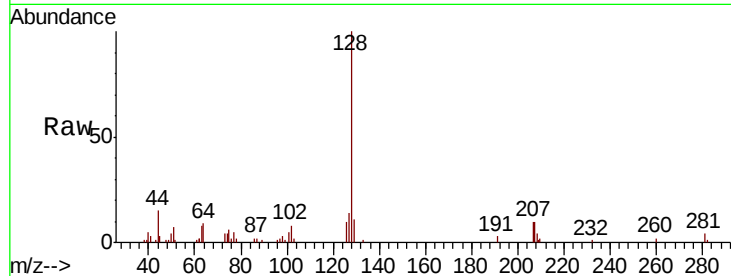
Tot Ion:128 Resp: 11728

Ion Ratio Lower Upper

128 100

127 12.1 10.8 16.2

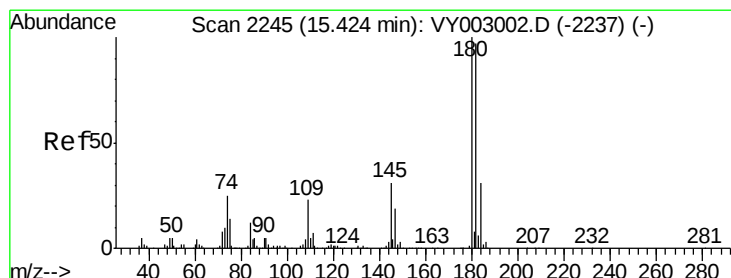
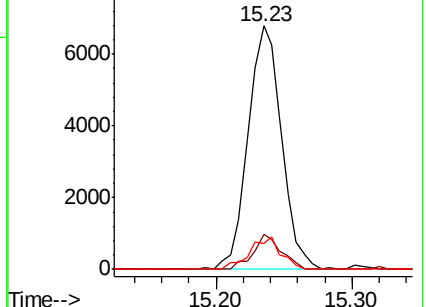
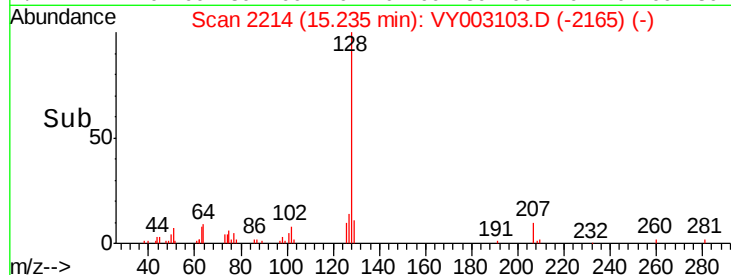
129 12.2 8.8 13.2



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: 1.069 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VY003103.D

Acq: 06 Jul 2020 10:45

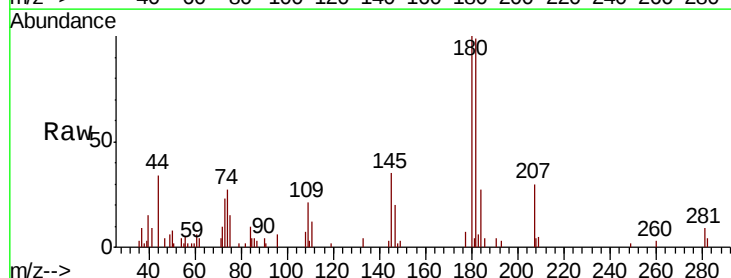
Tgt Ion:180 Resp: 5818

Ion Ratio Lower Upper

180 100

182 93.5 47.8 143.3

145 30.7 14.7 44.1



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

