

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY070120\
 Data File : VY003052.D
 Acq On : 01 Jul 2020 11:25
 Operator : SY/MD
 Sample : VY0701SBL01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBL01

Quant Time: Jul 01 15:01:21 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	448752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	668112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	609169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	322090	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	234786	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	7.72	113	225485	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
50) Toluene-d8	10.18	98	830723	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.48	95	287978	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	

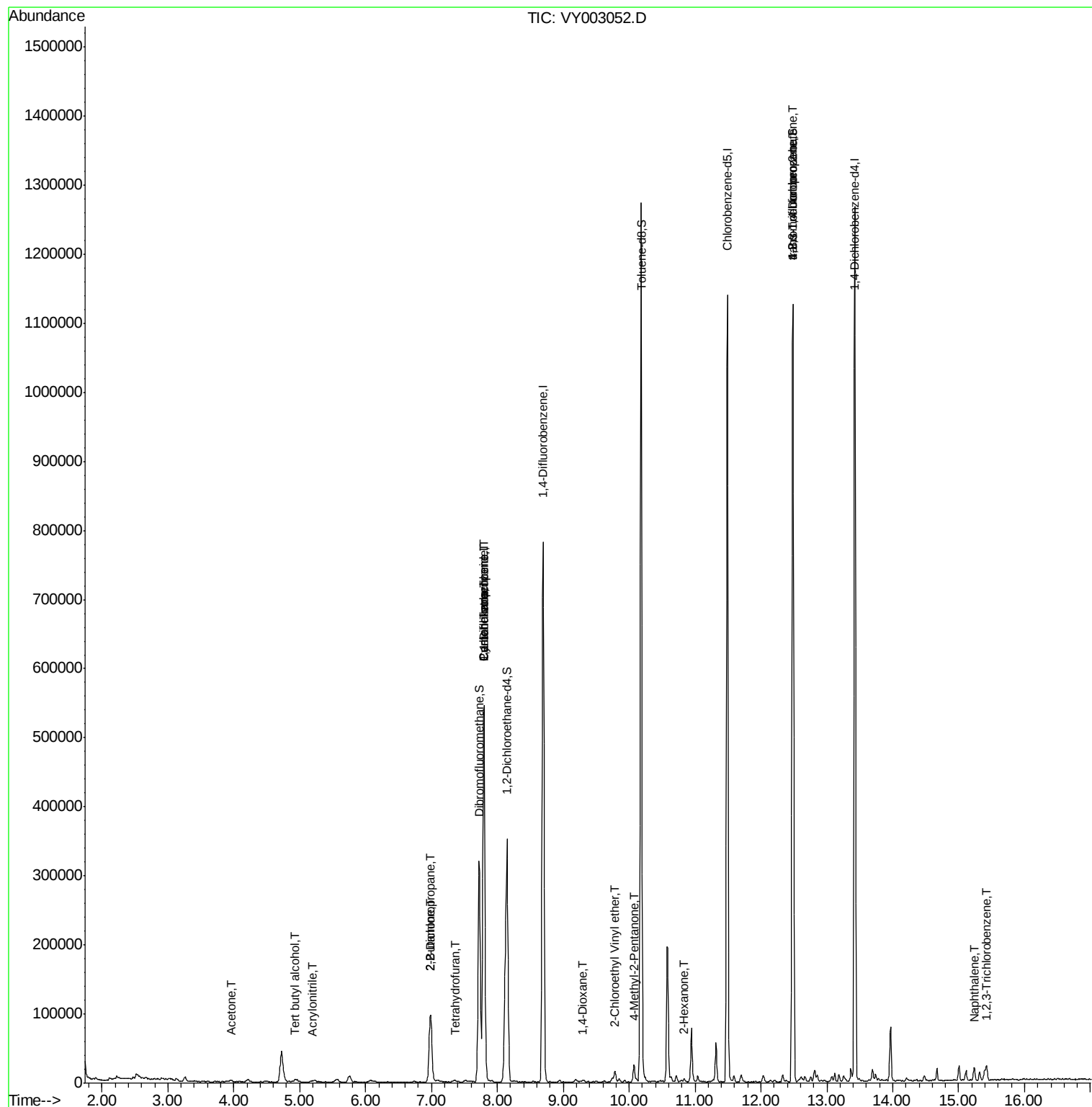
Target Compounds					Qvalue
11) Tert butyl alcohol	4.93	59	2349	5.171 ug/l #	77
15) Acrylonitrile	5.19	53	2328	1.923 ug/l #	66
16) Acetone	3.96	43	4755	4.524 ug/l #	79
20) Methylene Chloride	4.72	84	31473	Below Cal	95
25) 2-Butanone	6.98	43	6521	3.905 ug/l #	83
26) 2,2-Dichloropropane	6.98	77	7736	1.070 ug/l #	53
29) Tetrahydrofuran	7.36	42	1692	1.524 ug/l #	83
31) Cyclohexane	7.80	56	9278	1.184 ug/l #	1
36) 1,1-Dichloropropene	7.80	75	31180	4.845 ug/l #	50
38) Carbon Tetrachloride	7.80	117	40740	6.084 ug/l #	16
49) 1,4-Dioxane	9.30	88	188	5.817 ug/l #	42
51) 4-Methyl-2-Pentanone	10.07	43	16258	4.276 ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	6707	2.456 ug/l #	80
59) 2-Hexanone	10.83	43	3100	1.167 ug/l	88
76) 1,2,3-Trichloropropane	12.48	75	149767	46.983 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	149767	91.409 ug/l #	13
95) Naphthalene	15.23	128	14855	1.209 ug/l #	91
96) 1,2,3-Trichlorobenzene	15.42	180	6728	1.152 ug/l	95

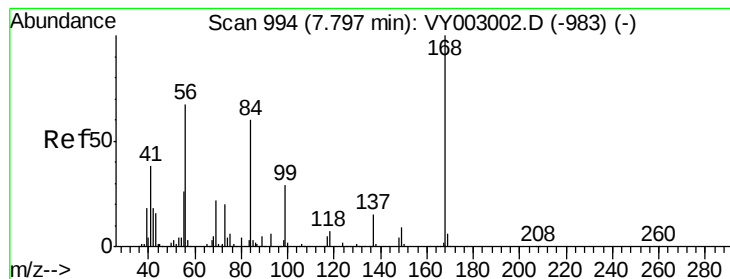
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY070120\
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Quant Time: Jul 01 15:01:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
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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: VY003052.D

Acq: 01 Jul 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

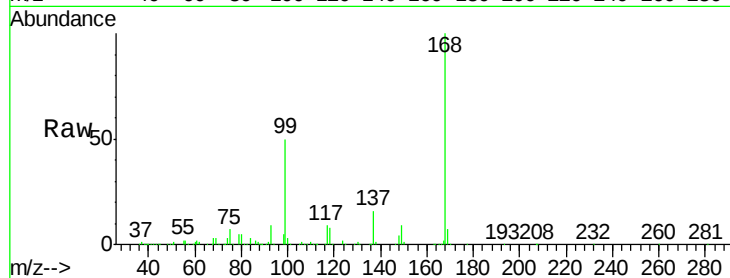
VY0701SBL01

Tgt Ion:168 Resp: 448752

Ion Ratio Lower Upper

168 100

99 49.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003002.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003052.D (-945) (-)

7.80

200000

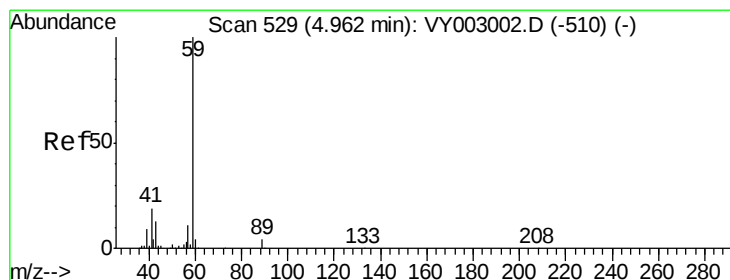
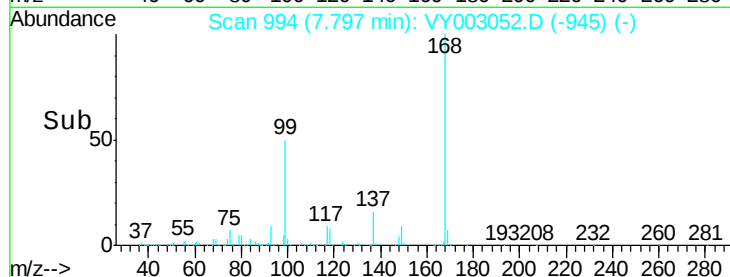
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 5.171 ug/l

RT: 4.93 min Scan# 524

Delta R.T. -0.03 min

Lab File: VY003052.D

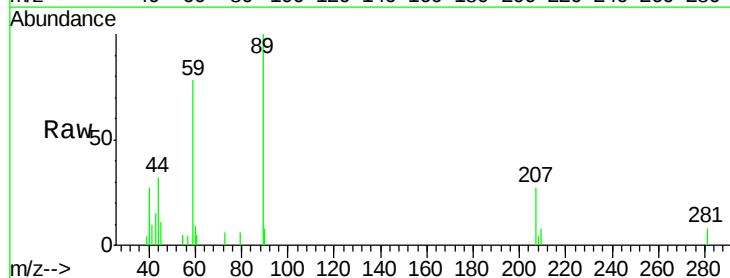
Acq: 01 Jul 2020 11:25

Tgt Ion: 59 Resp: 2349

Ion Ratio Lower Upper

59 100

57 1.6 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003002.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003052.D (-480) (-)

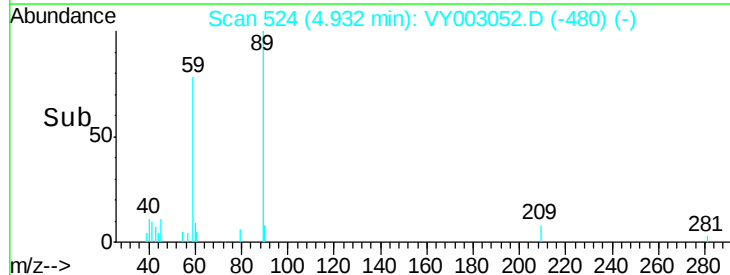
4.93

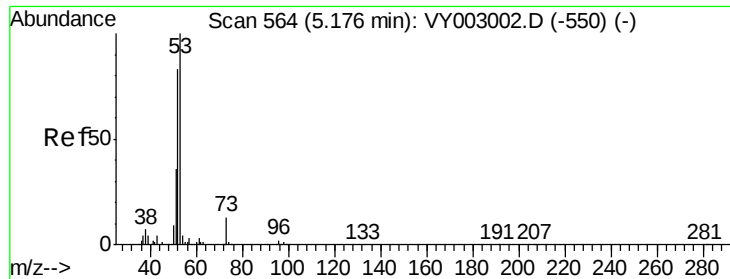
1000

500

0

Time-->

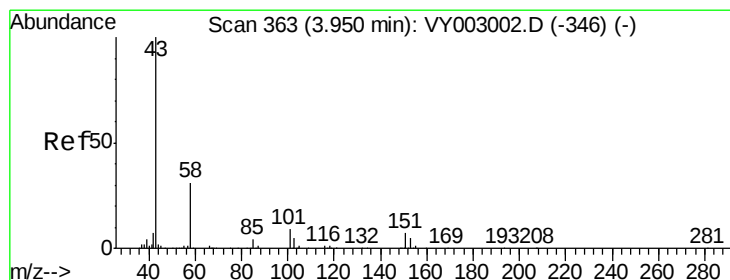
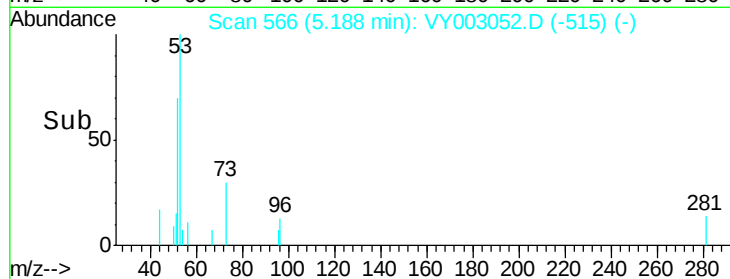
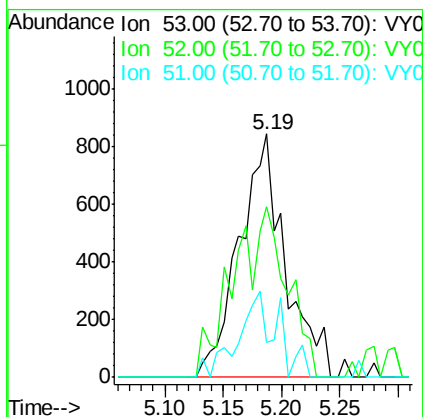
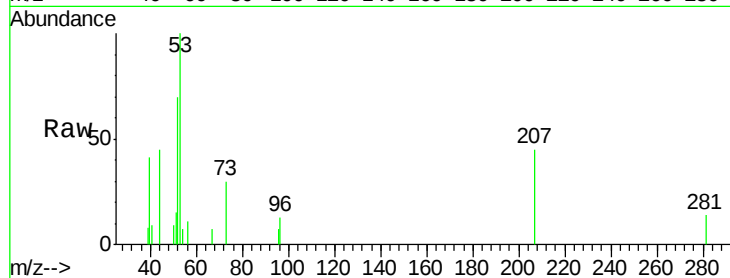




#15
 Acrylonitrile
 Concen: 1.923 ug/l
 RT: 5.19 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VY003052.D
 Acq: 01 Jul 2020 11:25

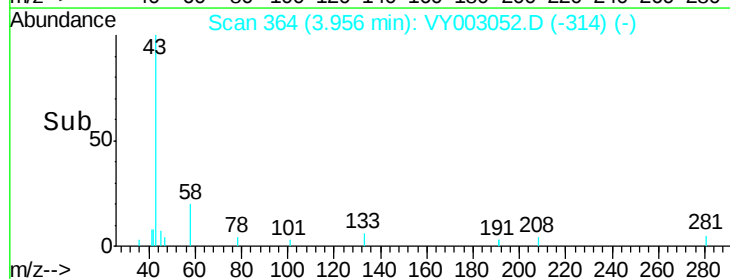
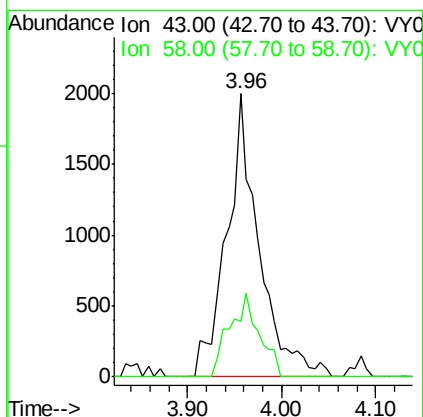
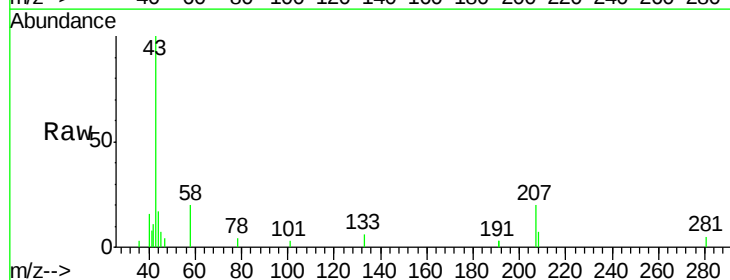
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBL01

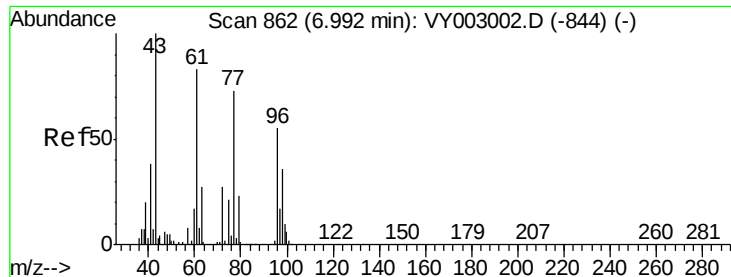
Tgt Ion: 53 Resp: 2328
 Ion Ratio Lower Upper
 53 100
 52 44.6 66.2 99.2#
 51 28.4 29.5 44.3#



#16
 Acetone
 Concen: 4.524 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VY003052.D
 Acq: 01 Jul 2020 11:25

Tgt Ion: 43 Resp: 4755
 Ion Ratio Lower Upper
 43 100
 58 19.5 24.7 37.1#

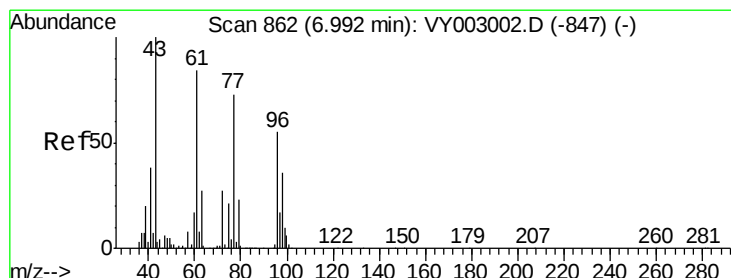
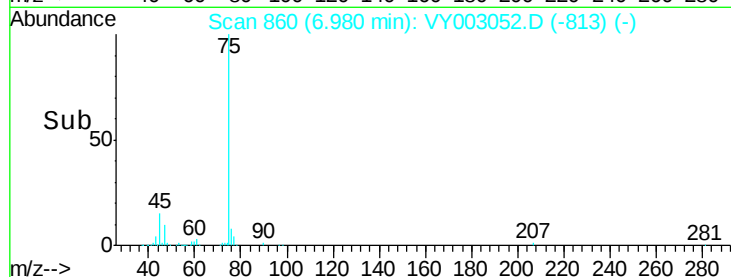
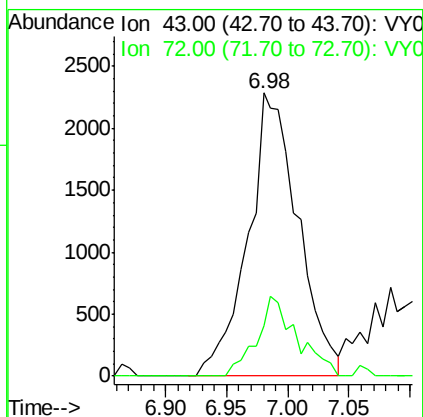
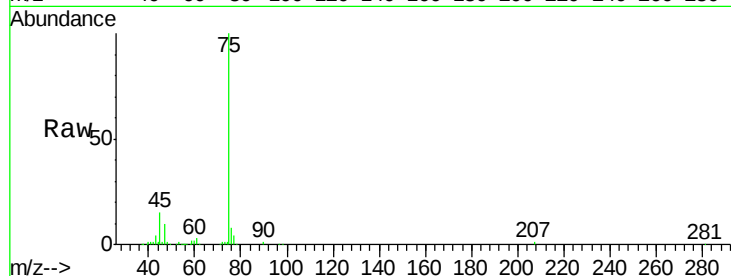




#25
2-Butanone
Concen: 3.905 ug/l
RT: 6.98 min Scan# 860
Delta R.T. -0.01 min
Lab File: VY003052.D
Acq: 01 Jul 2020 11:25

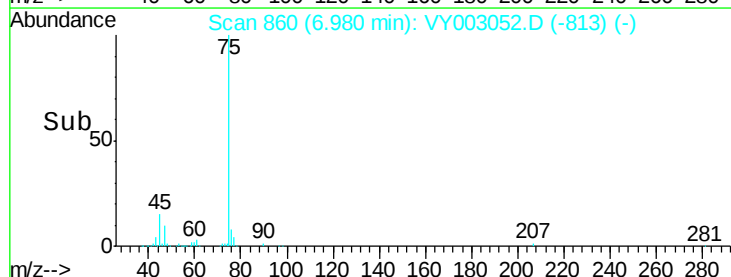
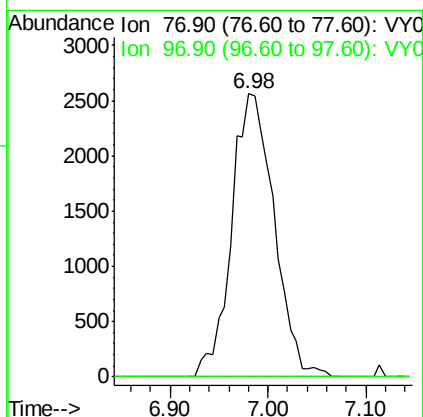
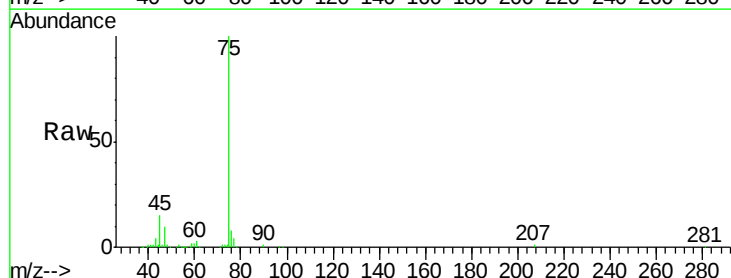
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

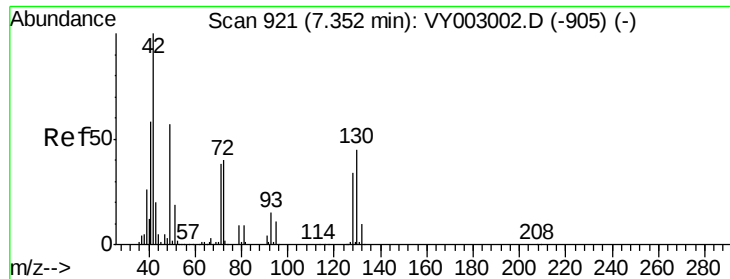
Tgt Ion: 43 Resp: 6521
Ion Ratio Lower Upper
43 100
72 17.8 21.4 32.0#



#26
2,2-Dichloropropane
Concen: 1.070 ug/l
RT: 6.98 min Scan# 860
Delta R.T. -0.01 min
Lab File: VY003052.D
Acq: 01 Jul 2020 11:25

Tgt Ion: 77 Resp: 7736
Ion Ratio Lower Upper
77 100
97 0.0 11.3 33.9#





#29

Tetrahydrofuran

Concen: 1.524 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.01 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0701SBL01

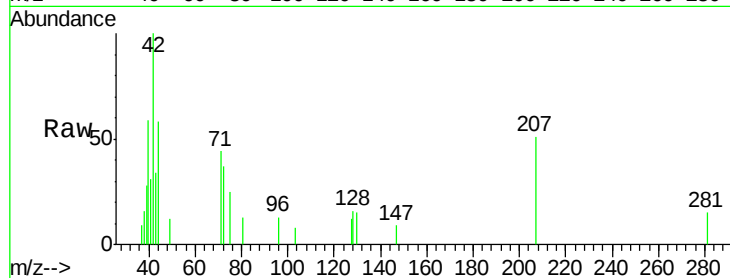
Tgt Ion: 42 Resp: 1692

Ion Ratio Lower Upper

42 100

72 41.1 32.9 49.3

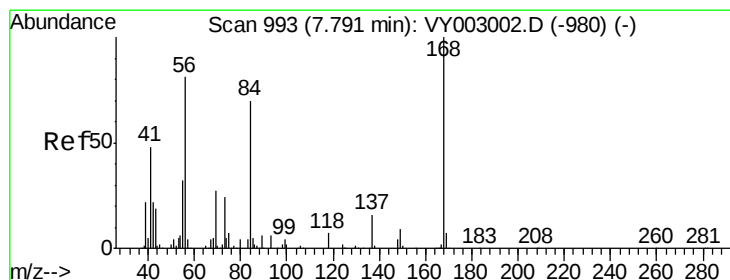
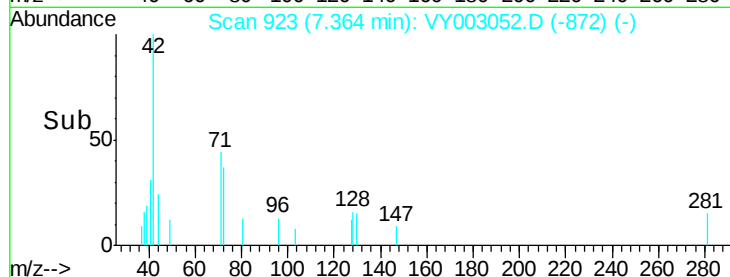
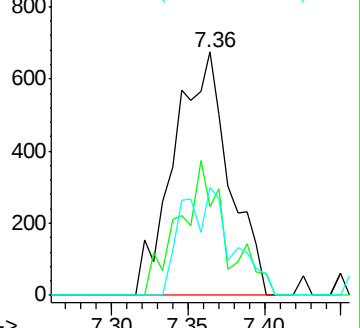
71 18.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

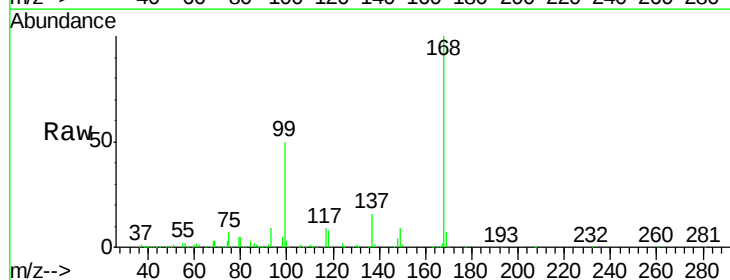
Tgt Ion: 56 Resp: 9278

Ion Ratio Lower Upper

56 100

69 159.0 27.0 40.4#

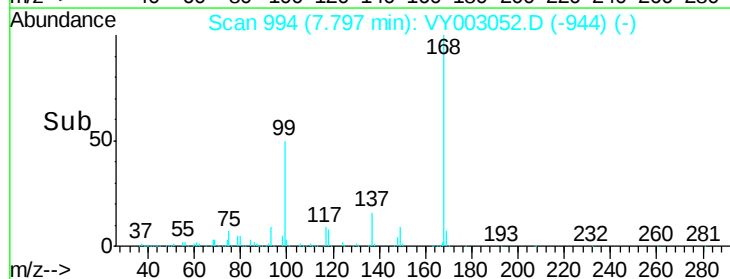
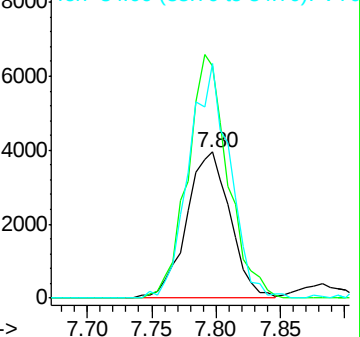
84 160.3 68.1 102.1#

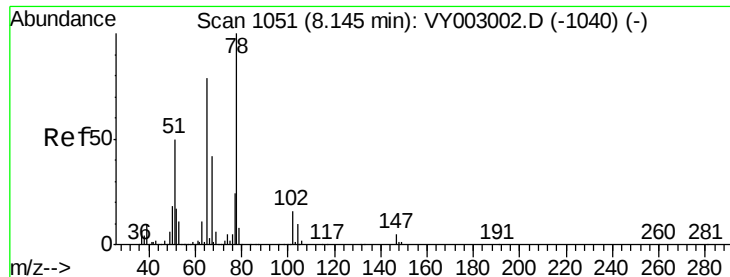


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

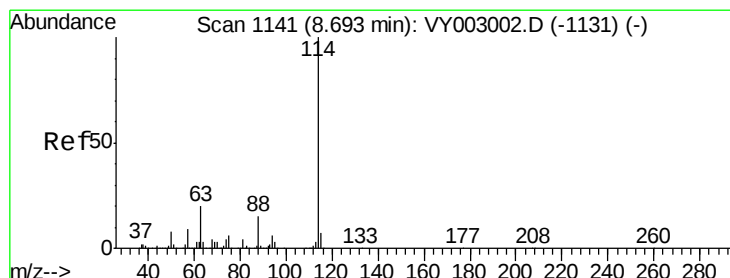
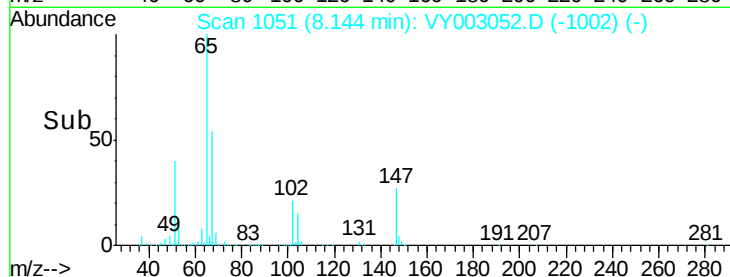
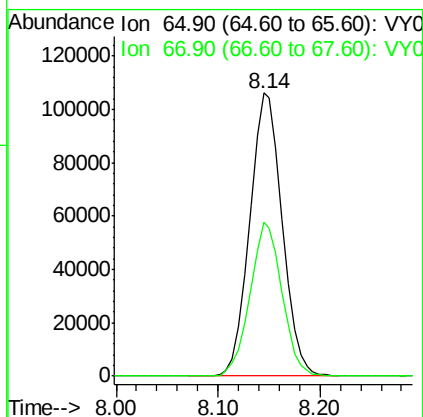
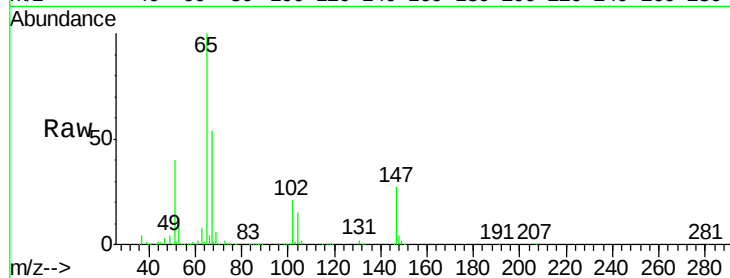




#33
 1,2-Dichloroethane-d4
 Concen: 52.678 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003052.D
 Acq: 01 Jul 2020 11:25

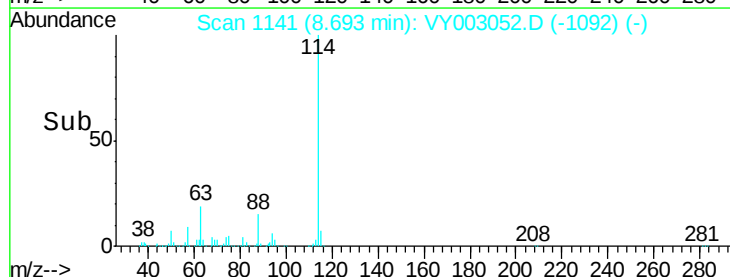
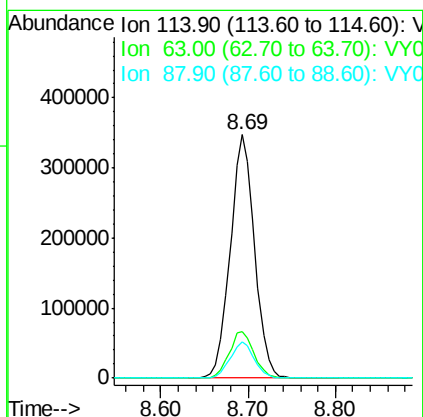
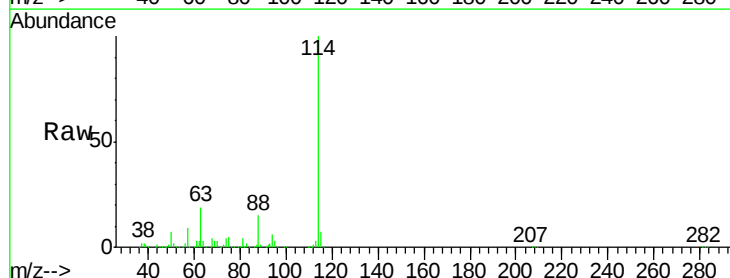
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 VY0701SBL01

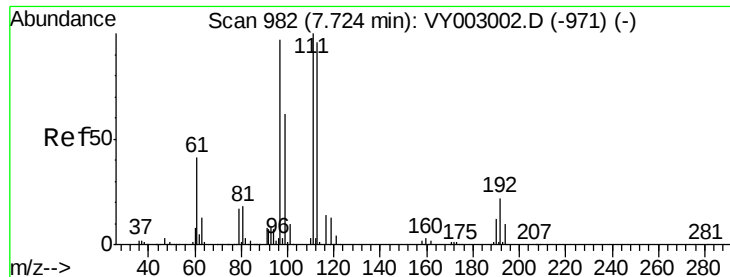
Tgt Ion: 65 Resp: 234786
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003052.D
 Acq: 01 Jul 2020 11:25

Tgt Ion: 114 Resp: 668112
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.6
 88 14.9 0.0 30.0

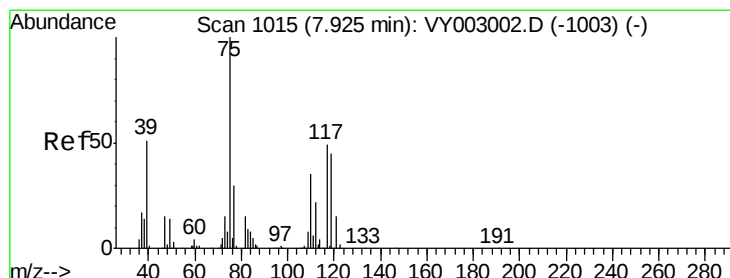
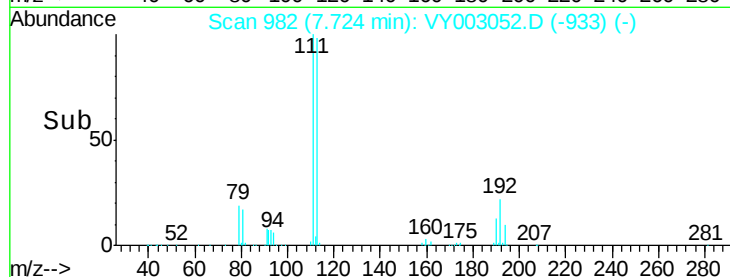
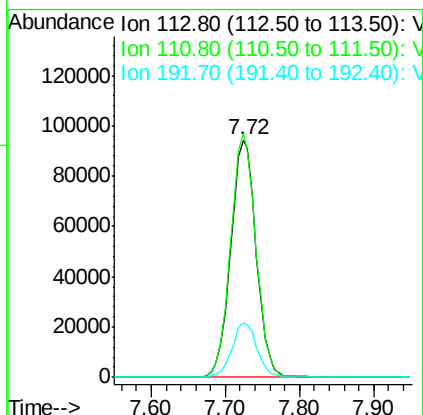
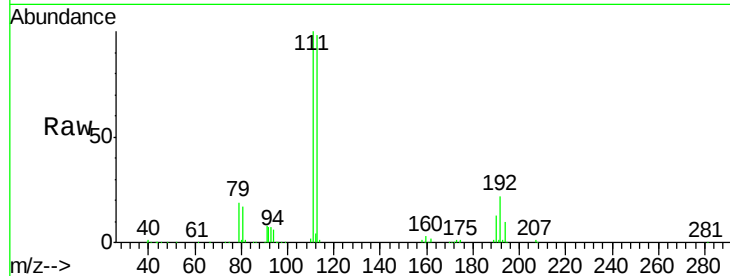




#35
 Dibromofluoromethane
 Concen: 54.102 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003052.D
 Acq: 01 Jul 2020 11:25

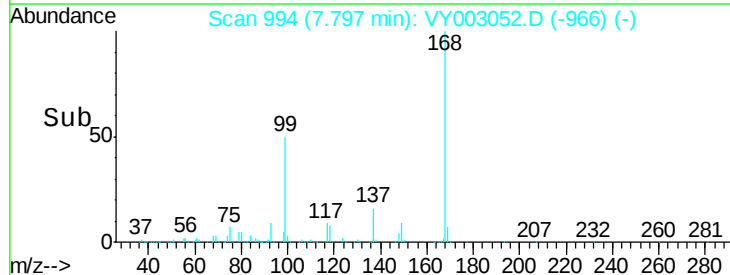
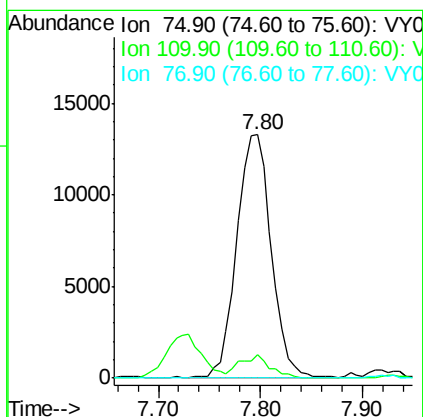
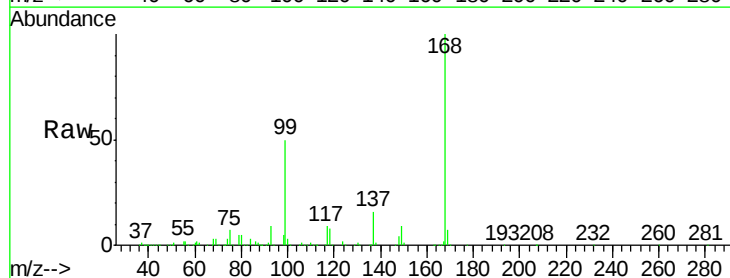
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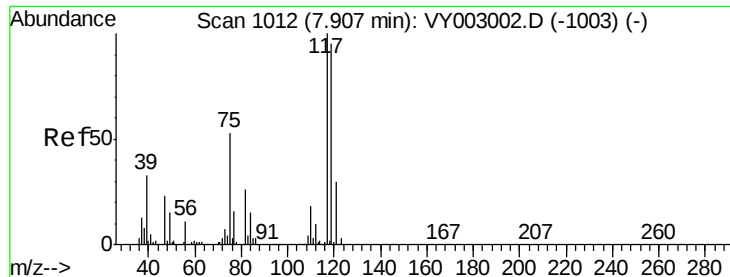
Tgt Ion: 113 Resp: 225485
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.6 123.8
 192 22.5 18.1 27.1



#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003052.D
 Acq: 01 Jul 2020 11:25

Tgt Ion: 75 Resp: 31180
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.1 51.2#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0701SBL01

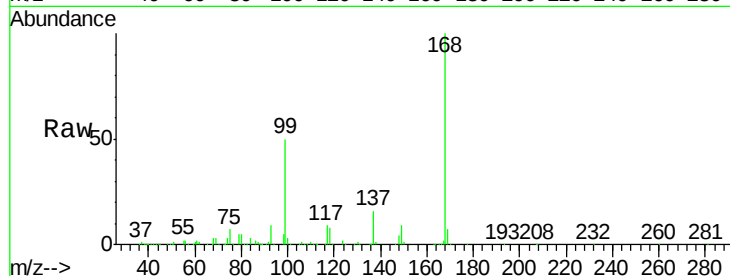
Tgt Ion: 117 Resp: 40740

Ion Ratio Lower Upper

117 100

119 4.7 75.7 113.5#

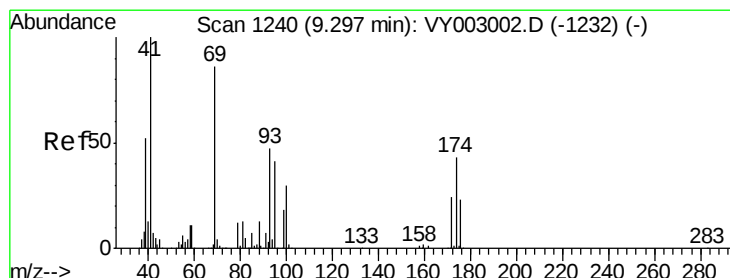
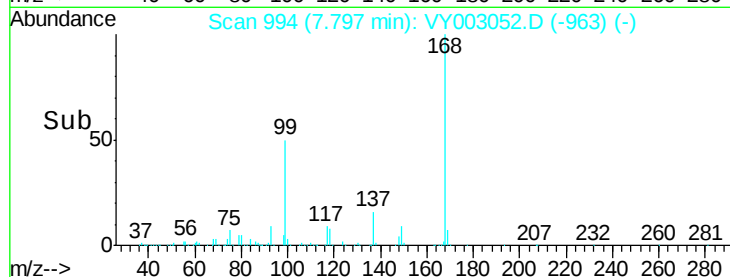
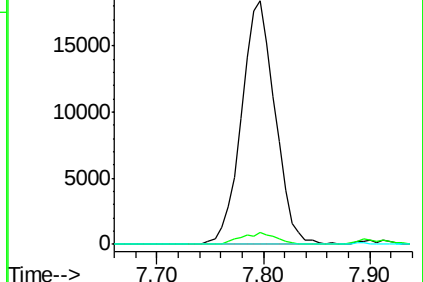
121 0.0 23.9 35.9#



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: 5.817 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

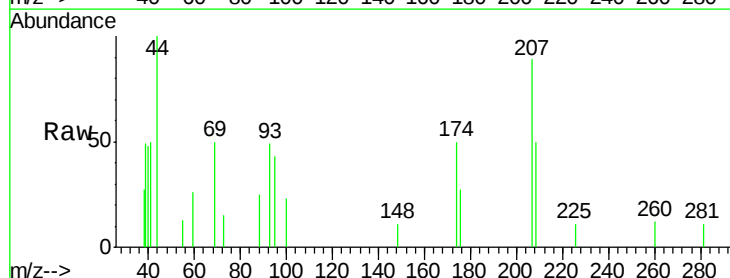
Tgt Ion: 88 Resp: 188

Ion Ratio Lower Upper

88 100

43 37.8 28.6 42.8

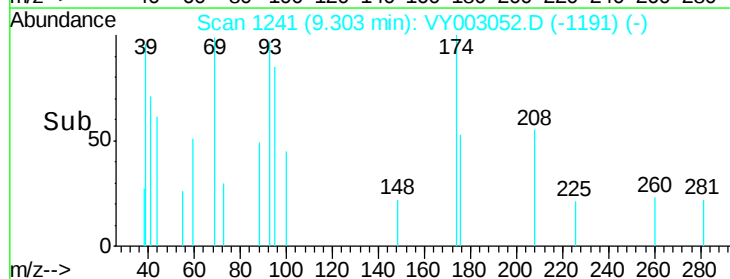
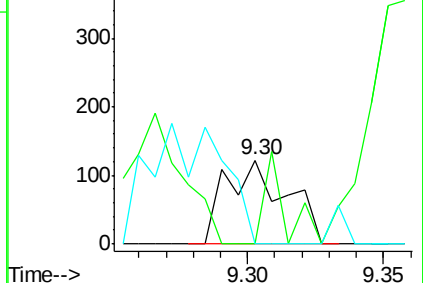
58 0.0 56.7 85.1#

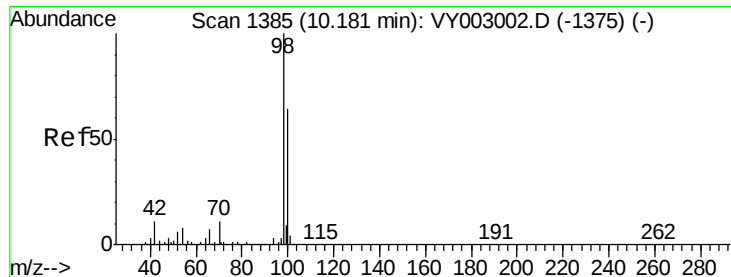


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 53.502 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

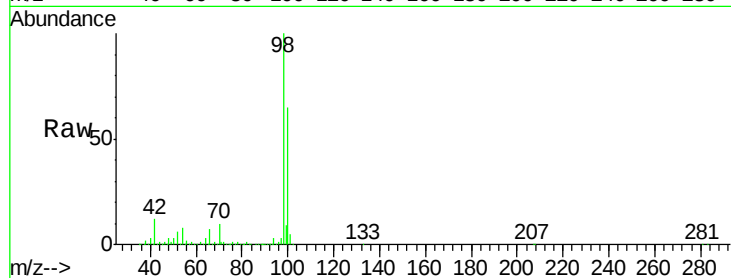
VY0701SBL01

Tgt Ion: 98 Resp: 830723

Ion Ratio Lower Upper

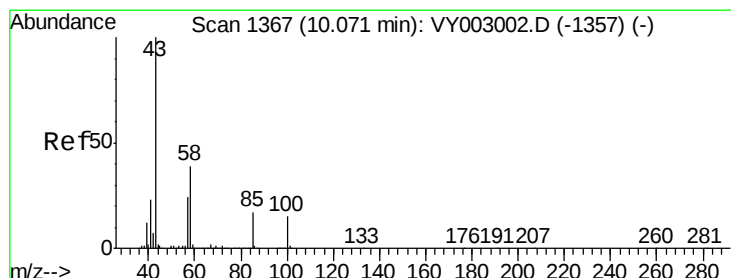
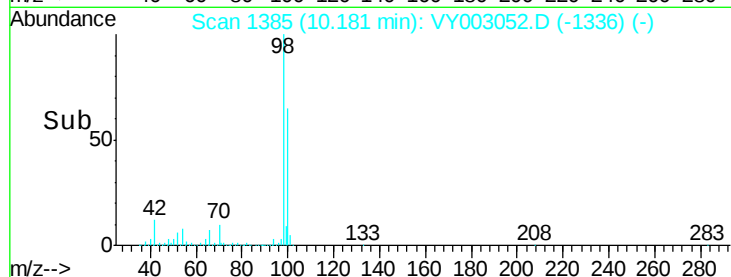
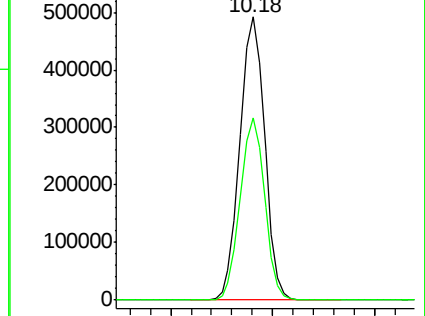
98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 4.276 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY003052.D

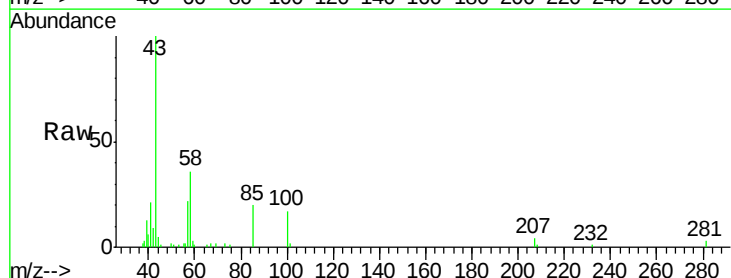
Acq: 01 Jul 2020 11:25

Tgt Ion: 43 Resp: 16258

Ion Ratio Lower Upper

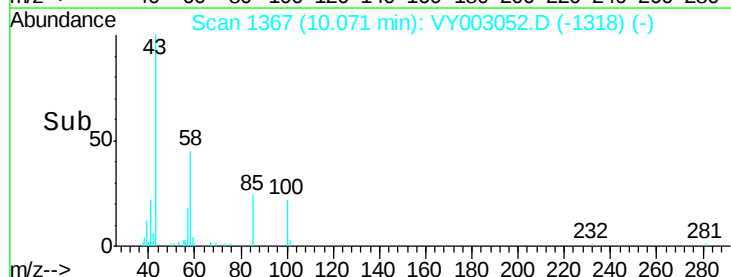
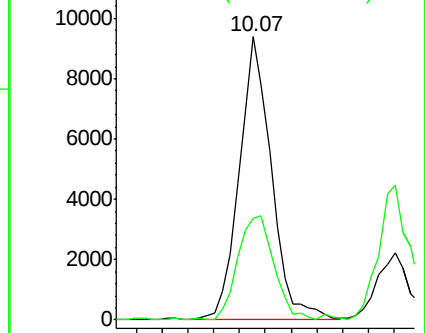
43 100

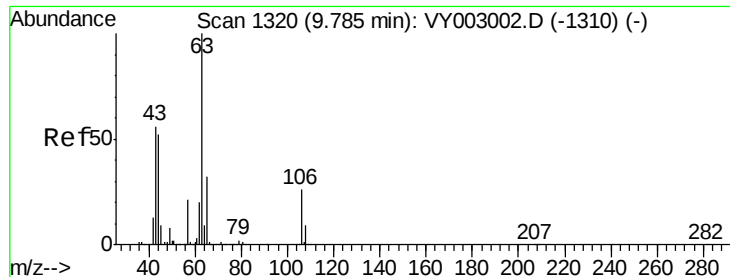
58 41.3 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#58

2-Chloroethyl Vinyl ether

Concen: 2.456 ug/l

RT: 9.78 min Scan# 1319

Delta R.T. -0.01 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

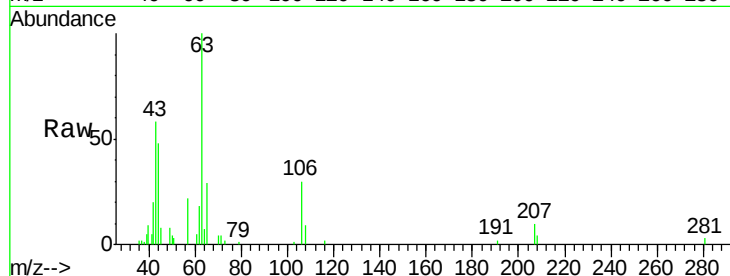
VY0701SBL01

Tgt Ion: 63 Resp: 6707

Ion Ratio Lower Upper

63 100

106 37.2 21.5 32.3#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): VY0

9.78

4000

3000

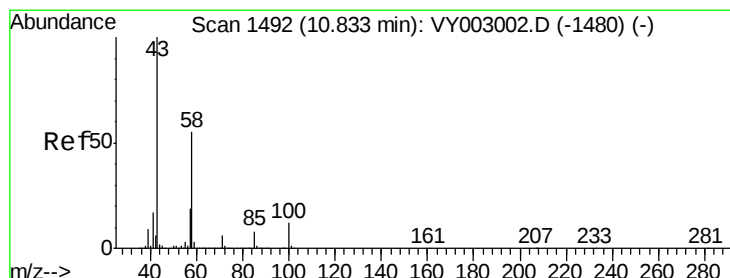
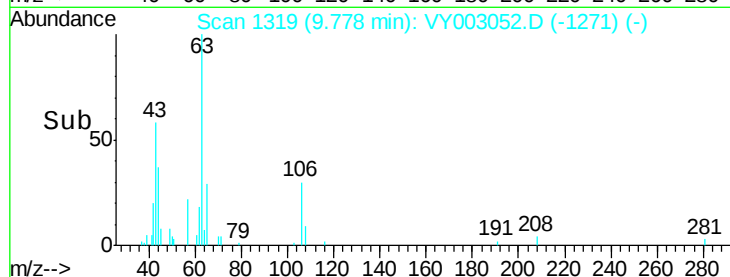
2000

1000

0

9.70 9.75 9.80 9.85

Time-->



#59

2-Hexanone

Concen: 1.167 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY003052.D

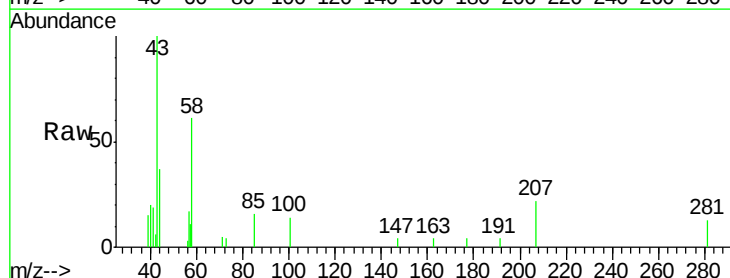
Acq: 01 Jul 2020 11:25

Tgt Ion: 43 Resp: 3100

Ion Ratio Lower Upper

43 100

58 46.5 27.5 82.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.83

2000

1500

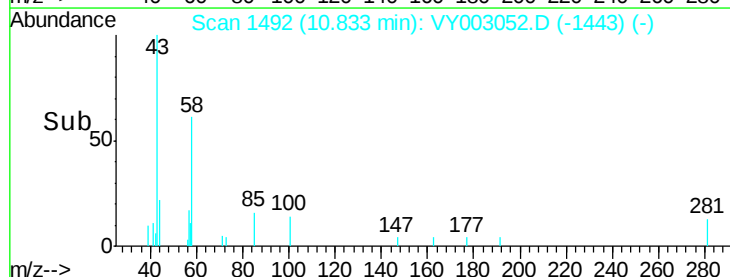
1000

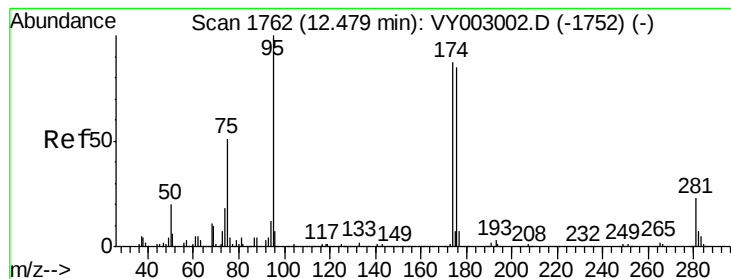
500

0

10.80 10.85 10.90

Time-->





#62

4-Bromofluorobenzene

Concen: 52.690 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0701SBL01

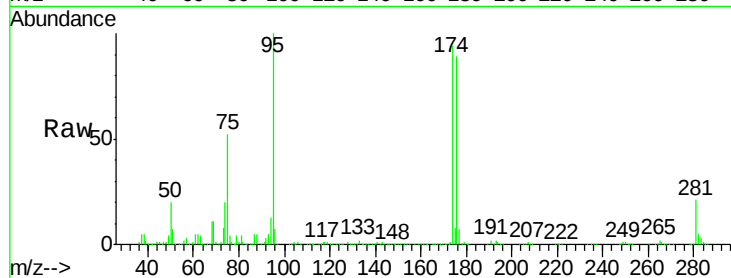
Tgt Ion: 95 Resp: 287978

Ion Ratio Lower Upper

95 100

174 95.1 0.0 184.8

176 92.8 0.0 183.0

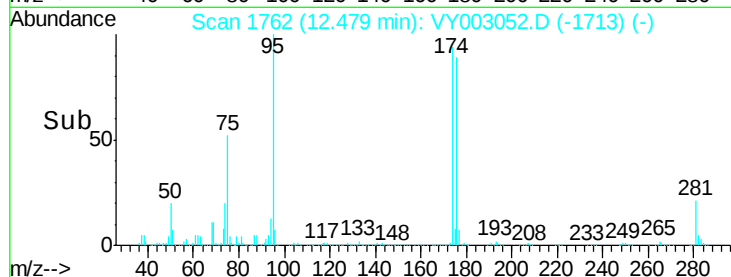


Abundance Ion 94.90 (94.60 to 95.60): VY003002.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003002.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003002.D (-1752) (-)

Time-->



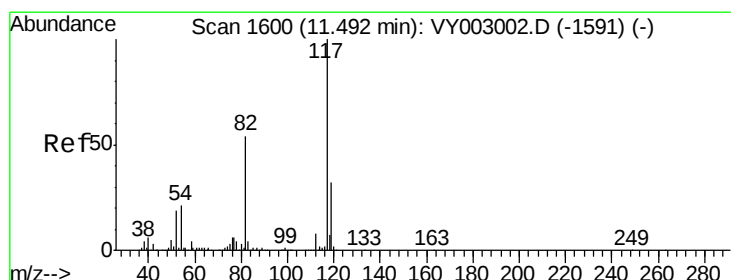
Abundance

Ion 94.90 (94.60 to 95.60): VY003002.D (-1752) (-)

Ion 173.80 (173.50 to 174.50): VY003002.D (-1752) (-)

Ion 175.80 (175.50 to 176.50): VY003002.D (-1752) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003052.D

Acq: 01 Jul 2020 11:25

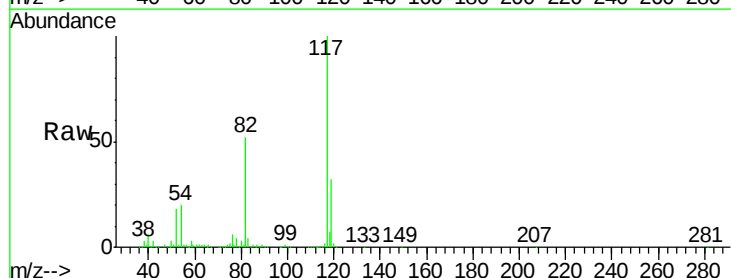
Tgt Ion: 117 Resp: 609169

Ion Ratio Lower Upper

117 100

82 51.7 43.0 64.6

119 32.1 25.8 38.8

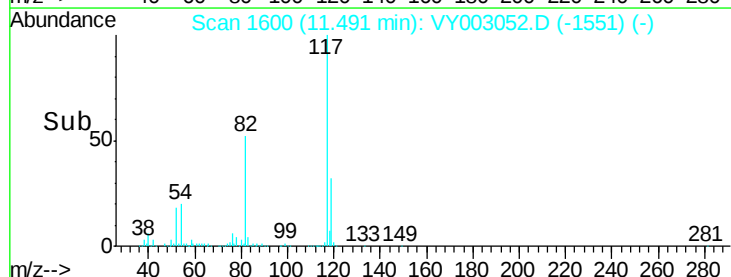


Abundance Ion 116.90 (116.60 to 117.60): VY003002.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003002.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003002.D (-1591) (-)

Time-->



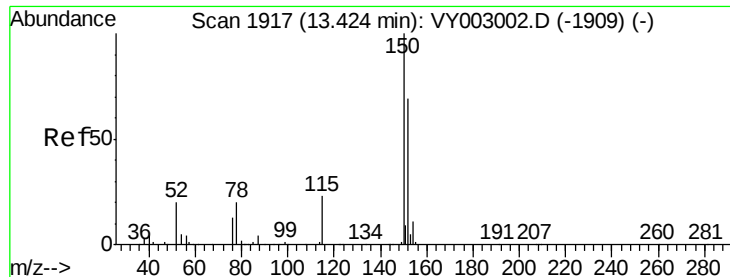
Abundance

Ion 116.90 (116.60 to 117.60): VY003002.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY003002.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY003002.D (-1591) (-)

Time-->

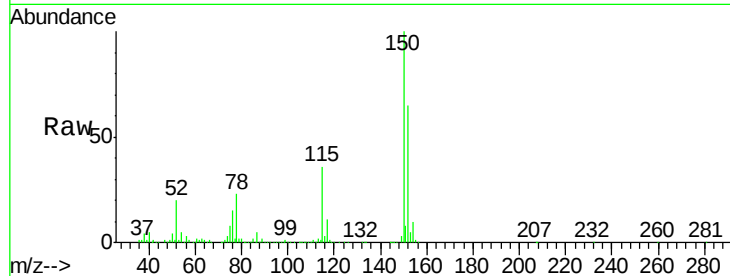


#72

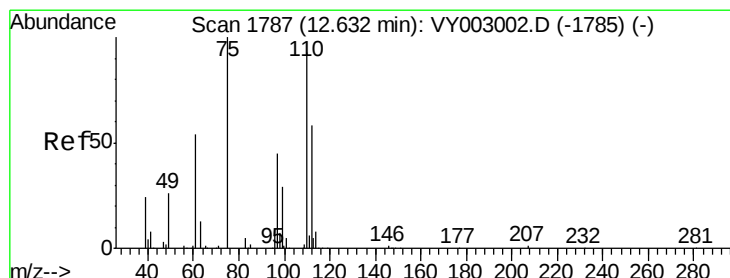
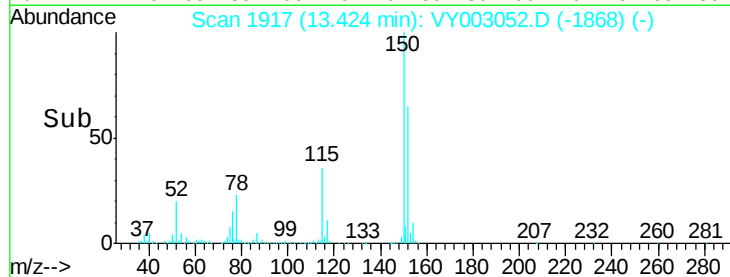
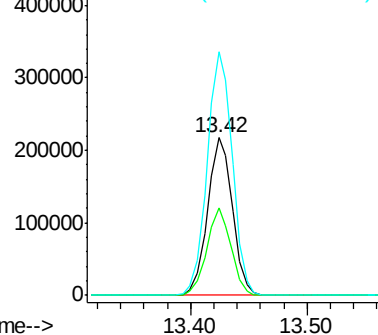
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003052.D
Acq: 01 Jul 2020 11:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

Tgt Ion: 152 Resp: 322090
Ion Ratio Lower Upper
152 100
115 54.3 27.3 81.9
150 156.7 0.0 343.4



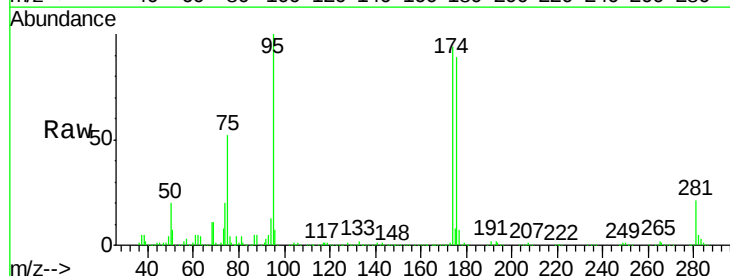
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



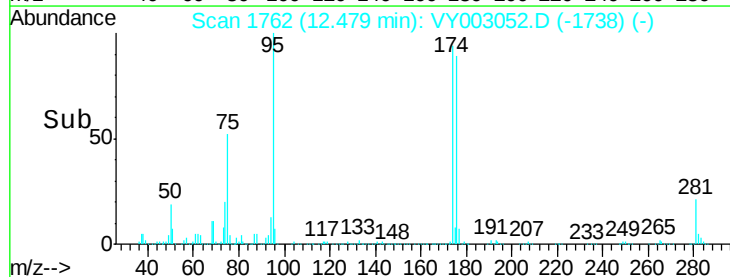
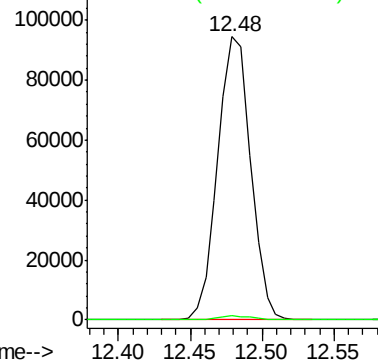
#76

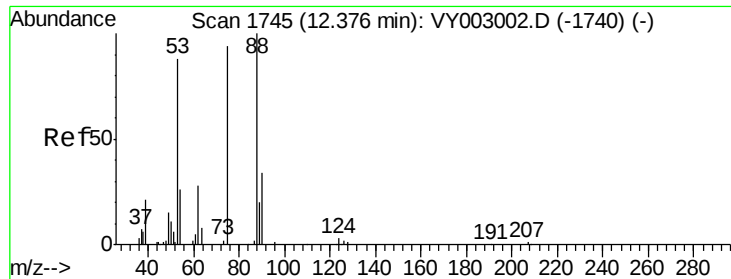
1,2,3-Trichloropropane
Concen: 46.983 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003052.D
Acq: 01 Jul 2020 11:25

Tgt Ion: 75 Resp: 149767
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

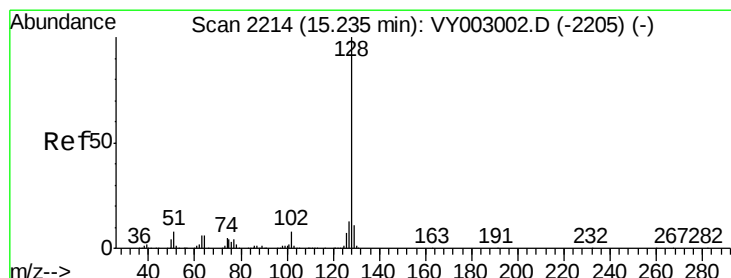
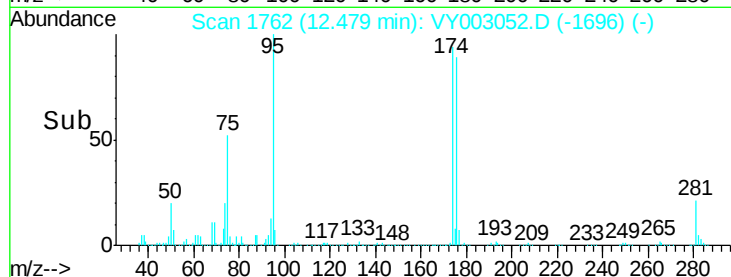
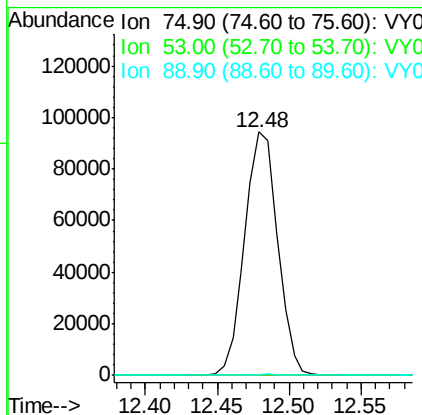
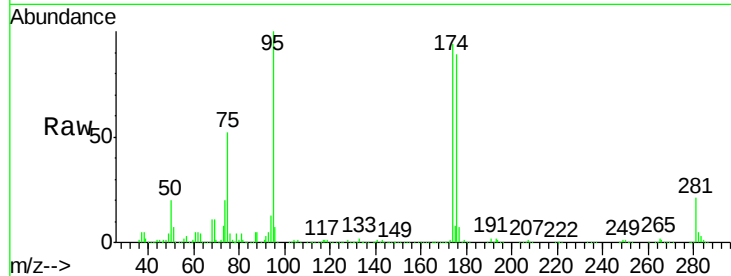




#81
trans-1,4-Dichloro-2-butene
Concen: 91.409 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003052.D
Acq: 01 Jul 2020 11:25

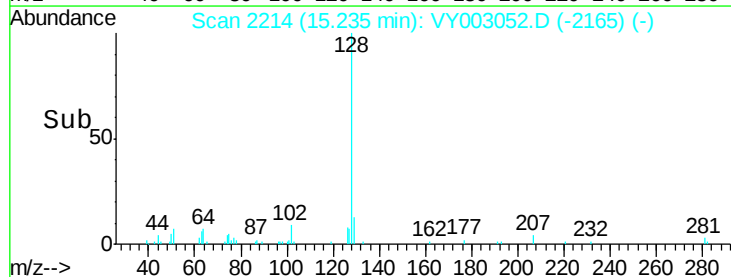
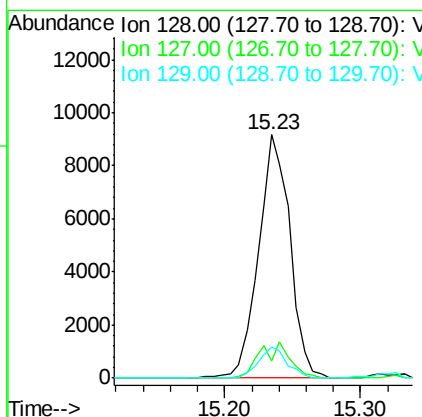
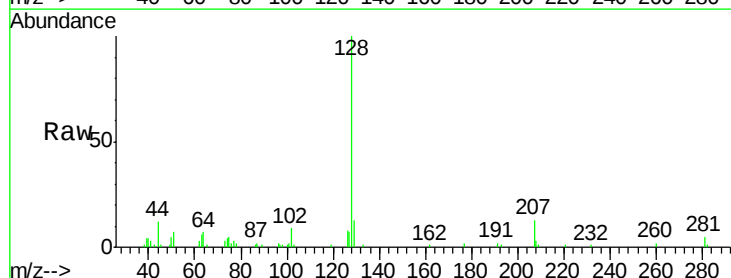
Instrument :
MSVOA_Y
ClientSampleId :
VY0701SBL01

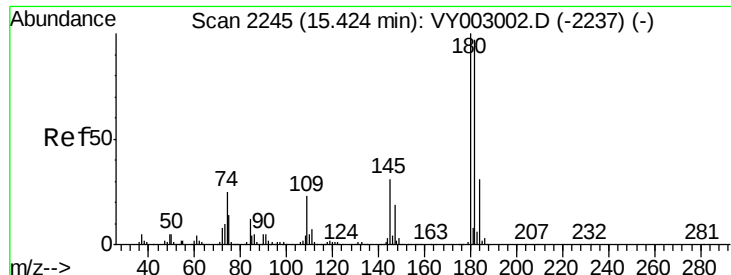
Tgt Ion: 75 Resp: 149767
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.5 37.5 56.3#



#95
Naphthalene
Concen: 1.209 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003052.D
Acq: 01 Jul 2020 11:25

Tgt Ion: 128 Resp: 14855
Ion Ratio Lower Upper
128 100
127 7.1 10.8 16.2#
129 11.5 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 1.152 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003052.D
 Acq: 01 Jul 2020 11:25

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0701SBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.8	143.3
145	32.4	14.7	44.1

