

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003118.D
 Acq On : 07 Jul 2020 11:28
 Operator : SY/MD
 Sample : VY0707SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBL01

Quant Time: Jul 08 03:49:04 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

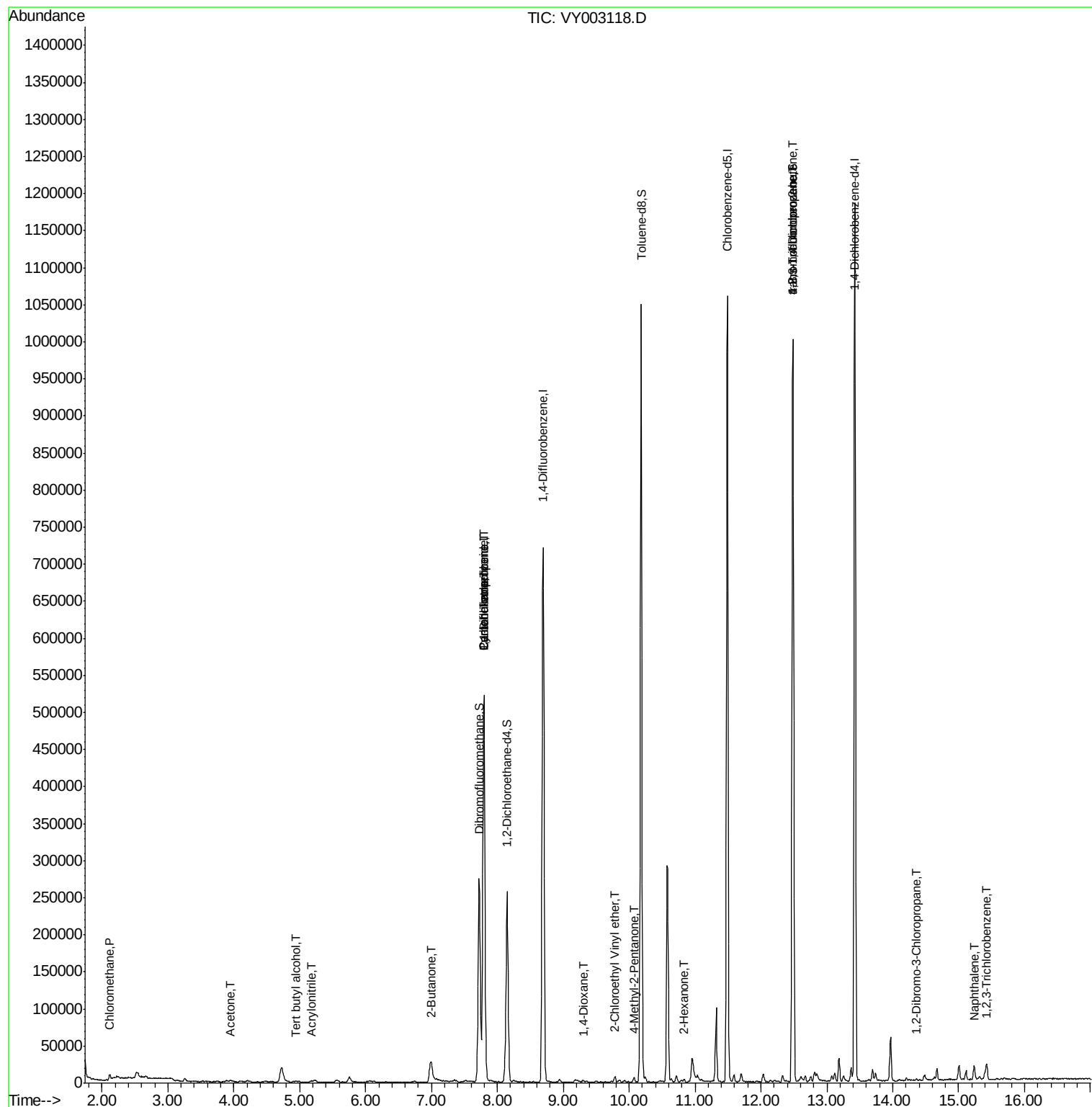
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	430024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	636562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	582148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	304275	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	193526	45.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.62%	
35) Dibromofluoromethane	7.72	113	190637	48.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.02%	
50) Toluene-d8	10.18	98	694026	46.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.82%	
62) 4-Bromofluorobenzene	12.48	95	242542	46.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.12	50	5222	1.095	ug/l #	84
11) Tert butyl alcohol	4.94	59	1099	2.525	ug/l #	73
15) Acrylonitrile	5.18	53	1760	1.517	ug/l #	84
16) Acetone	3.95	43	3845	3.817	ug/l #	78
20) Methylene Chloride	4.72	84	15080	Below Cal		86
25) 2-Butanone	7.00	43	3671	2.294	ug/l #	73
31) Cyclohexane	7.79	56	8273	1.101	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	29350	4.787	ug/l #	51
38) Carbon Tetrachloride	7.80	117	37951	5.949	ug/l #	16
49) 1,4-Dioxane	9.30	88	57	1.851	ug/l #	53
51) 4-Methyl-2-Pentanone	10.08	43	3809	1.052	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	3241	1.245	ug/l	93
59) 2-Hexanone	10.83	43	2655	1.049	ug/l	92
76) 1,2,3-Trichloropropane	12.48	75	123628	41.053	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	123628	79.873	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.36	75	762	1.071	ug/l	58
95) Naphthalene	15.23	128	13595	1.171	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	6702	1.214	ug/l	93

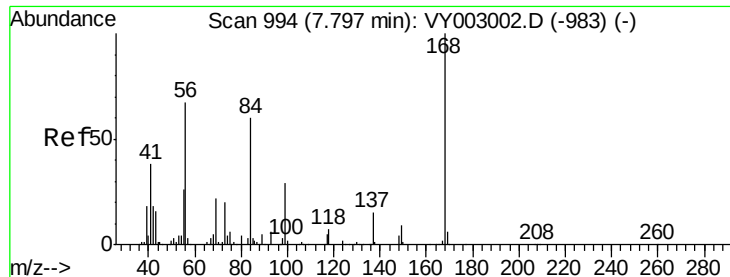
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003118.D

Acq: 07 Jul 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

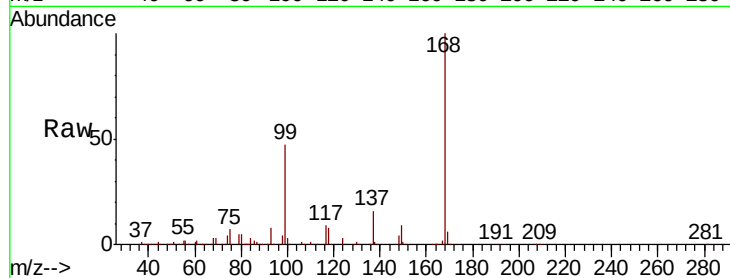
VY0707SBL01

Tot Ion:168 Resp: 430024

Ion Ratio Lower Upper

168 100

99 46.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003118.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003118.D (-945) (-)

7.80

200000

150000

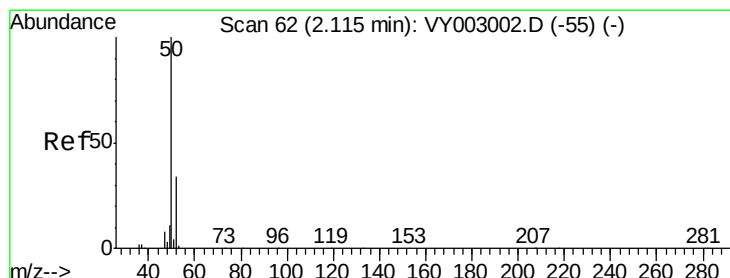
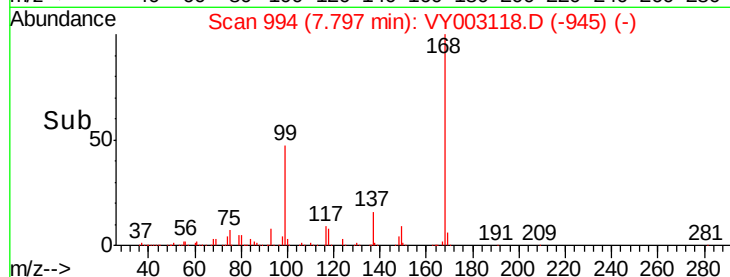
100000

50000

0

7.70 7.80 7.90

Time-->



#3

Chloromethane

Concen: 1.095 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003118.D

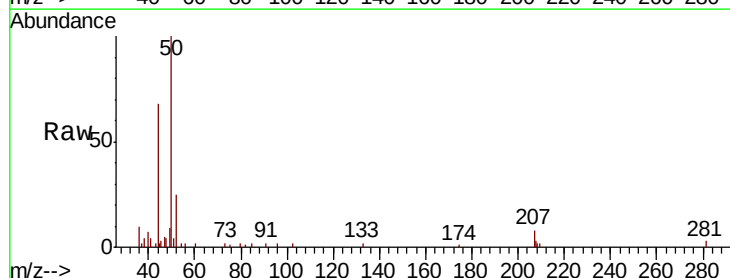
Acq: 07 Jul 2020 11:28

Tgt Ion: 50 Resp: 5222

Ion Ratio Lower Upper

50 100

52 24.7 26.9 40.3#



Abundance Ion 49.90 (49.60 to 50.60): VY003118.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003118.D (-13) (-)

2.12

4000

3000

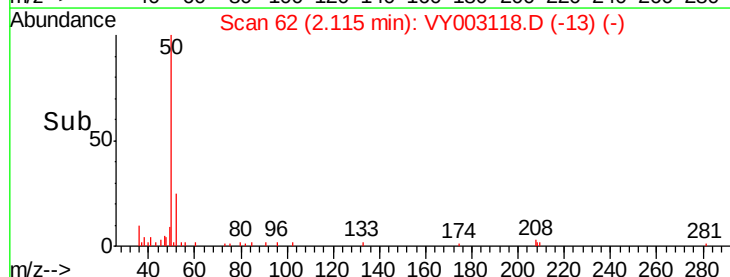
2000

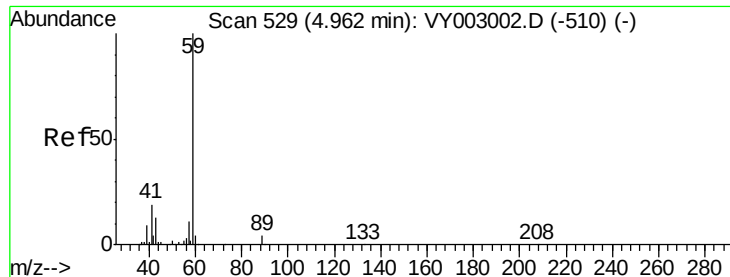
1000

0

2.05 2.10 2.15 2.20

Time-->



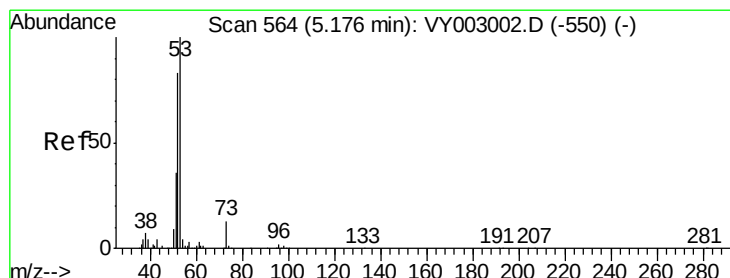
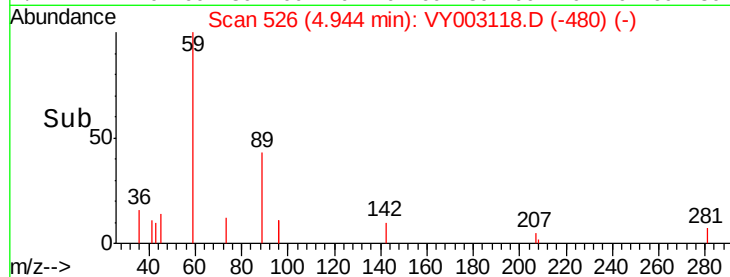
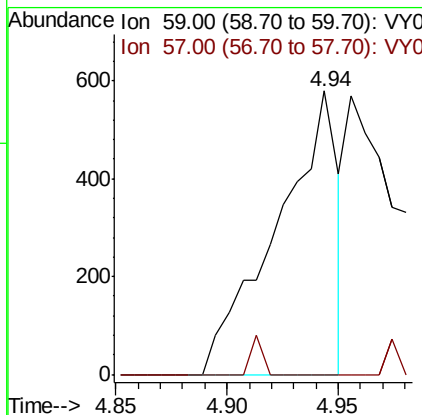
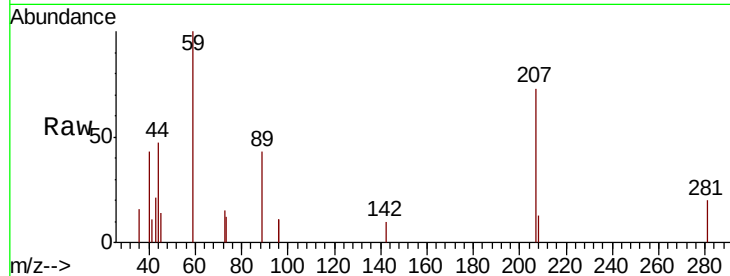


#11

Tert butyl alcohol
 Concen: 2.525 ug/l
 RT: 4.94 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VY003118.D
 Acq: 07 Jul 2020 11:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBL01

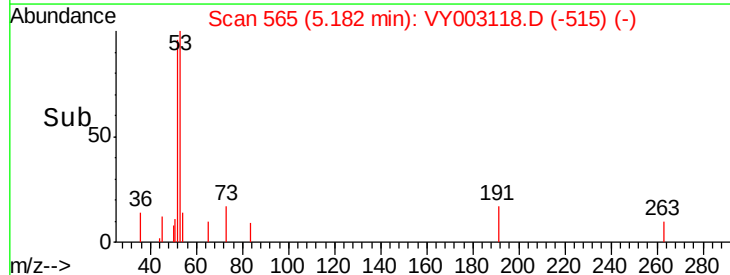
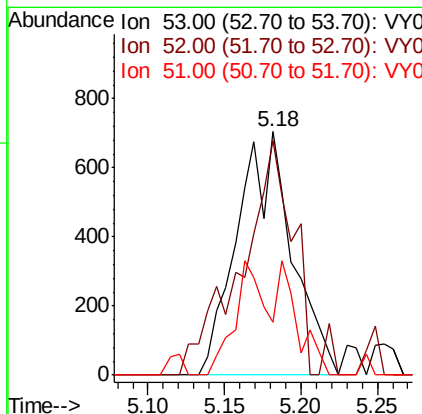
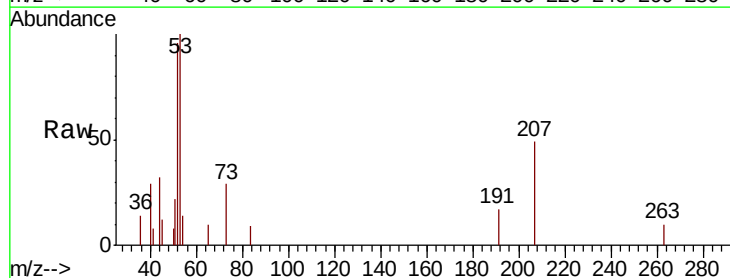
Tot Ion: 59 Resp: 1099
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

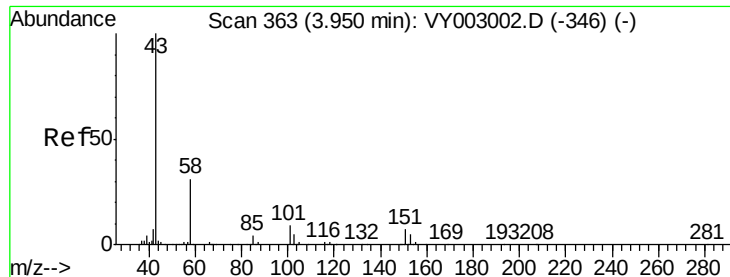


#15

Acrylonitrile
 Concen: 1.517 ug/l
 RT: 5.18 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VY003118.D
 Acq: 07 Jul 2020 11:28

Tgt Ion: 53 Resp: 1760
 Ion Ratio Lower Upper
 53 100
 52 90.2 66.2 99.2
 51 17.3 29.5 44.3#





#16

Acetone

Concen: 3.817 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003118.D

Acq: 07 Jul 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

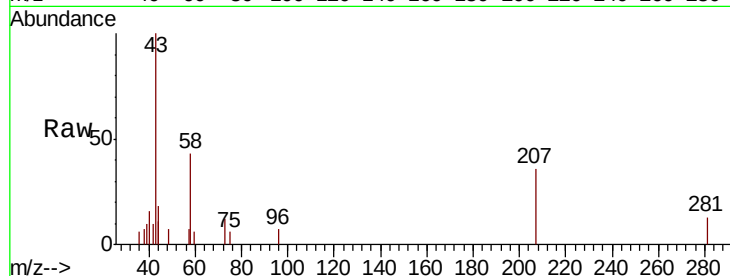
VY0707SBL01

Tot Ion: 43 Resp: 3845

Ion Ratio Lower Upper

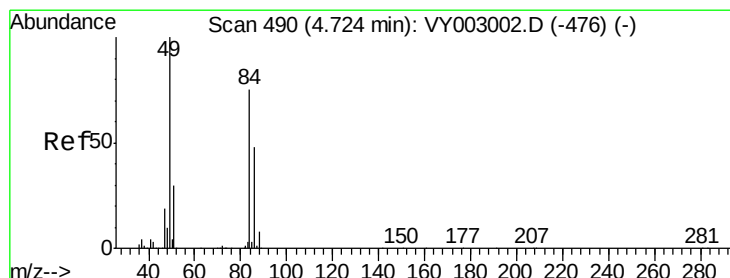
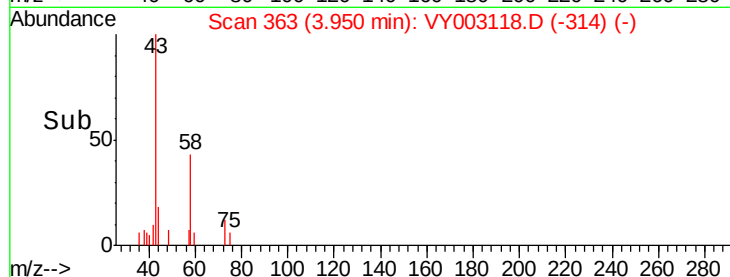
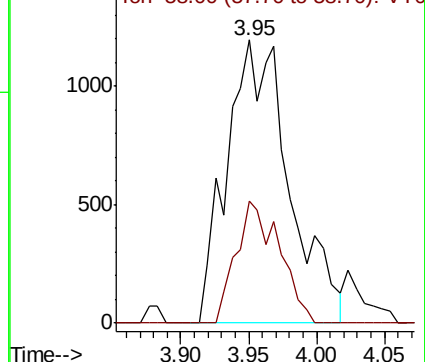
43 100

58 43.0 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: VY003118.D

Acq: 07 Jul 2020 11:28

Tgt Ion: 84 Resp: 15080

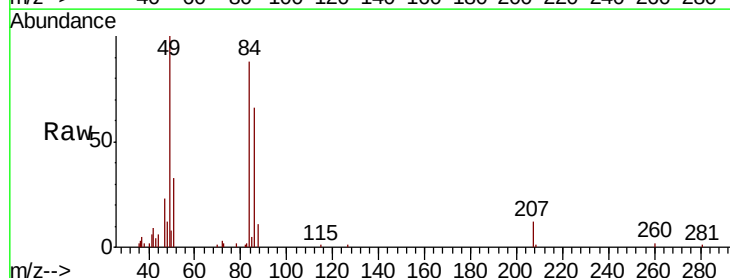
Ion Ratio Lower Upper

84 100

49 113.9 106.8 160.2

51 37.8 32.0 48.0

86 75.4 51.4 77.2

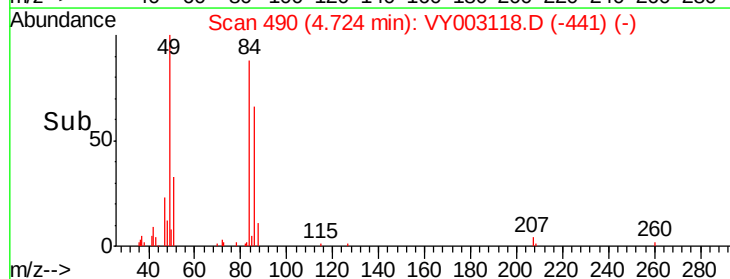
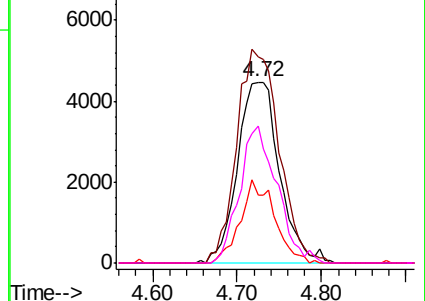


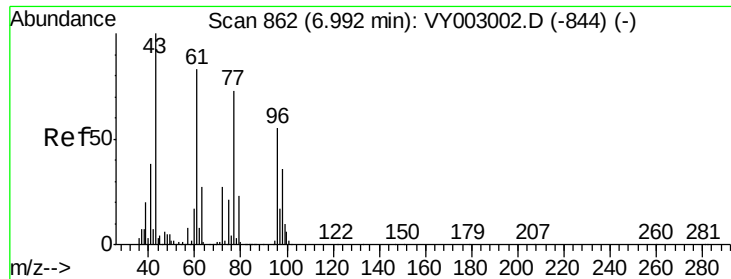
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

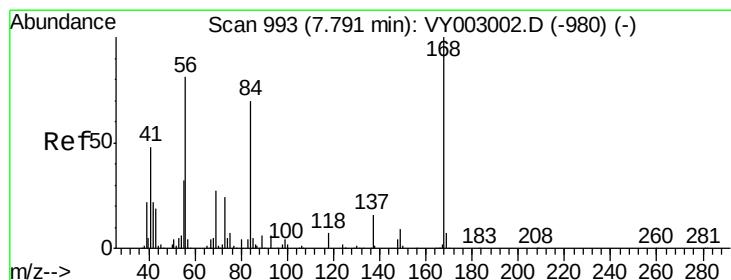
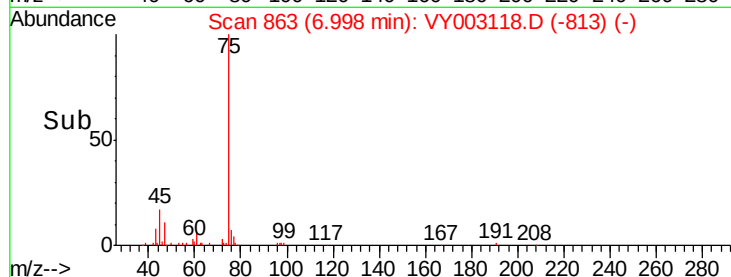
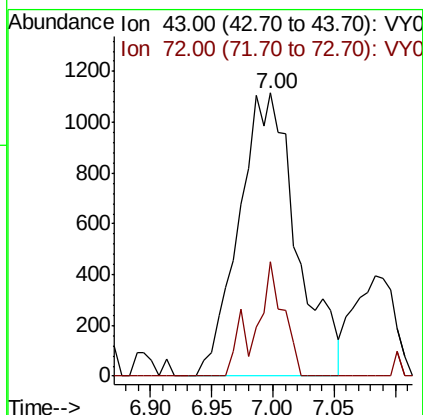
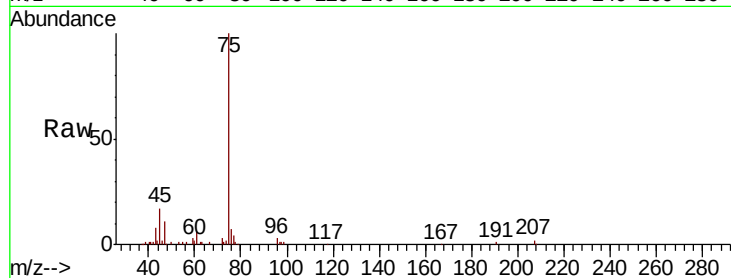




#25
2-Butanone
Concen: 2.294 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

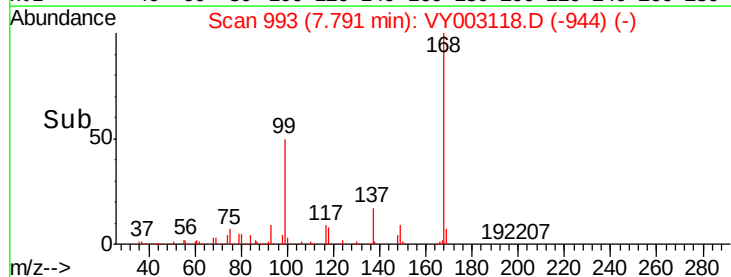
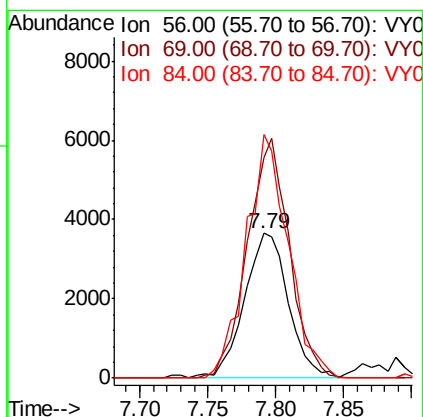
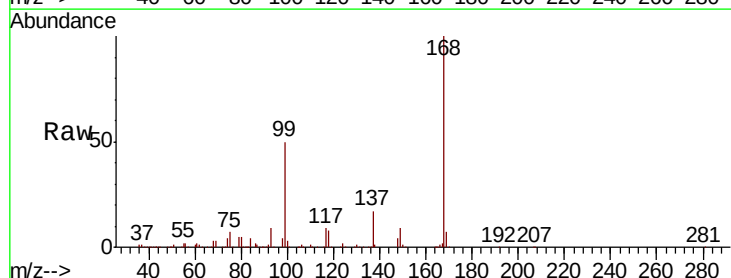
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

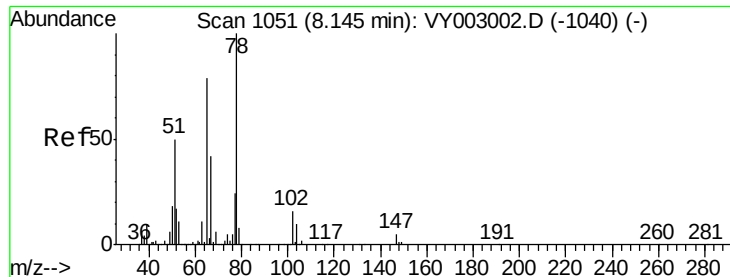
Tot Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
72 40.4 21.4 32.0#



#31
Cyclohexane
Concen: 1.101 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

Tgt Ion: 56 Resp: 8273
Ion Ratio Lower Upper
56 100
69 152.2 27.0 40.4#
84 168.3 68.1 102.1#

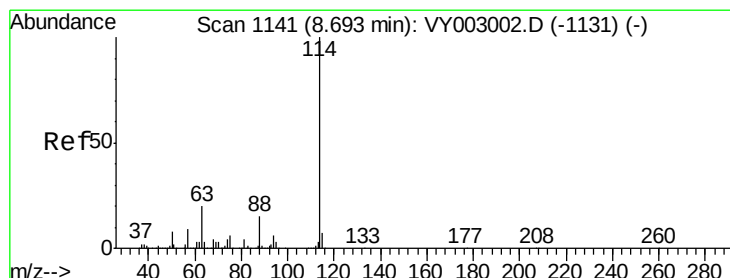
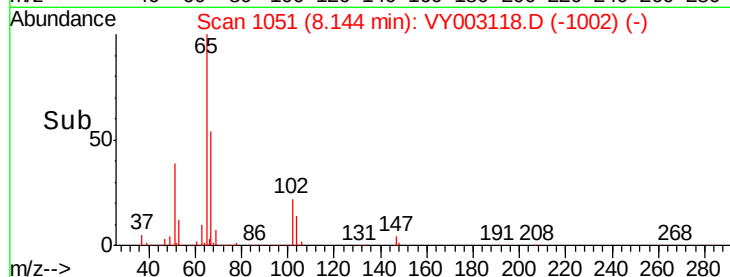
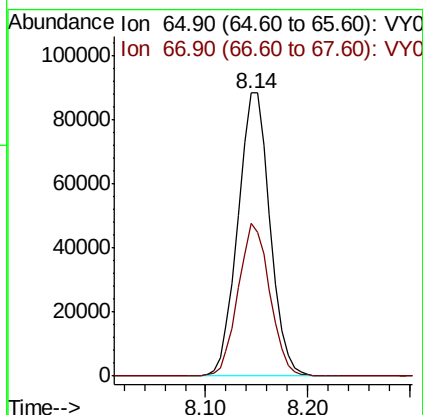
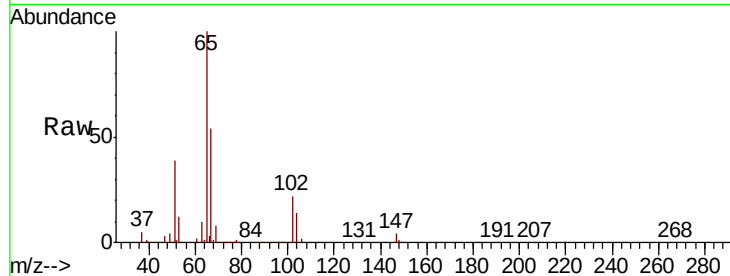




#33
 1,2-Dichloroethane-d4
 Concen: 45.312 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003118.D
 Acq: 07 Jul 2020 11:28

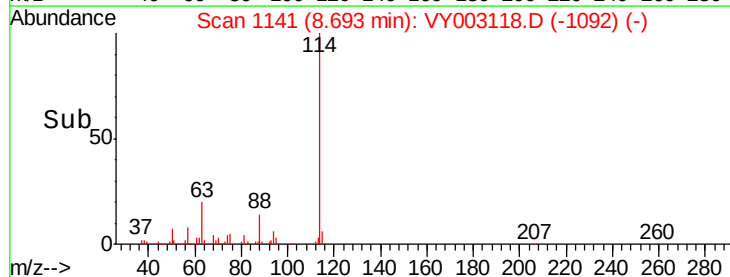
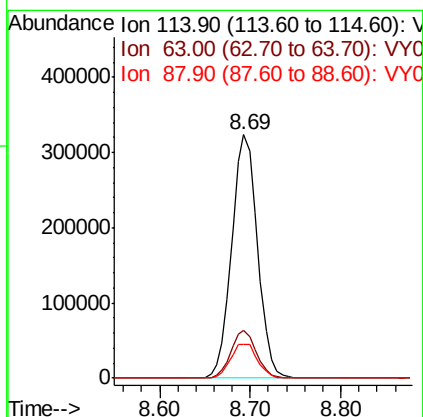
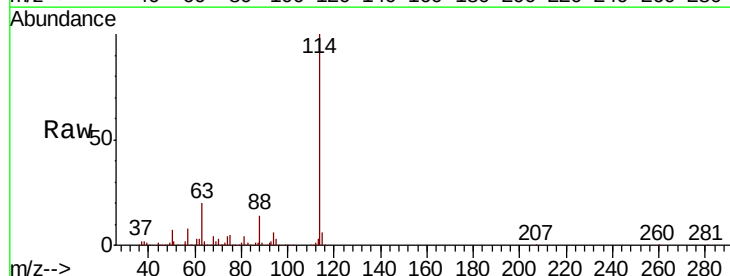
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBL01

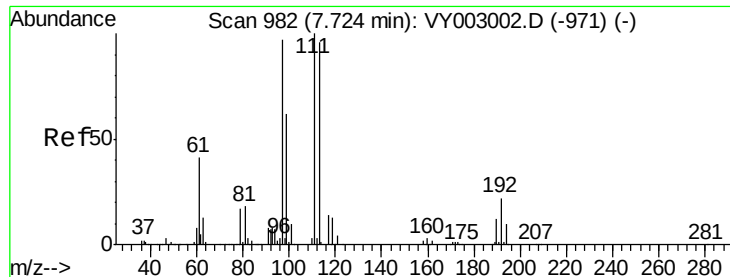
Tot Ion: 65 Resp: 193526
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003118.D
 Acq: 07 Jul 2020 11:28

Tgt Ion: 114 Resp: 636562
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 14.1 0.0 30.0

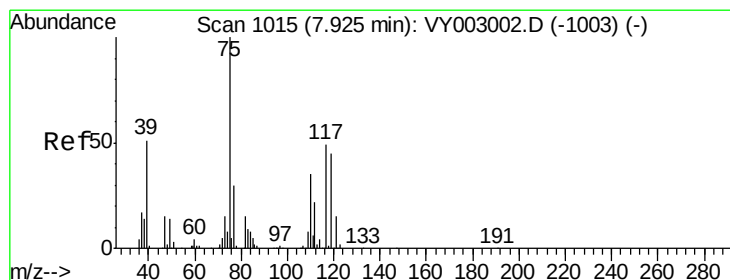
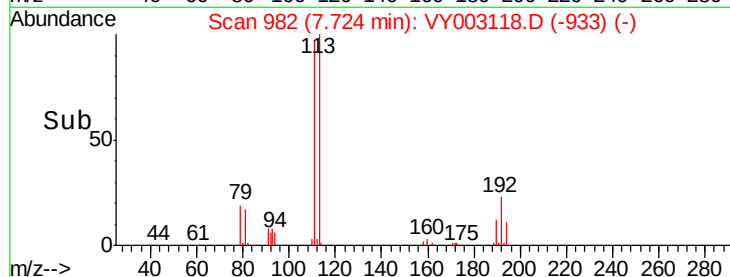
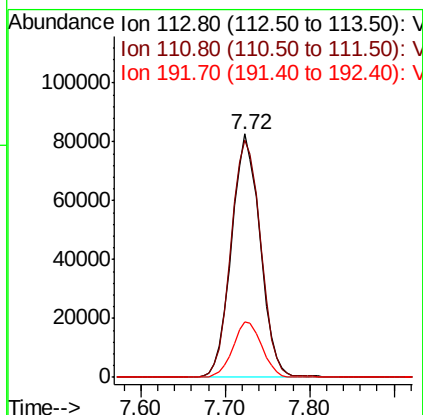
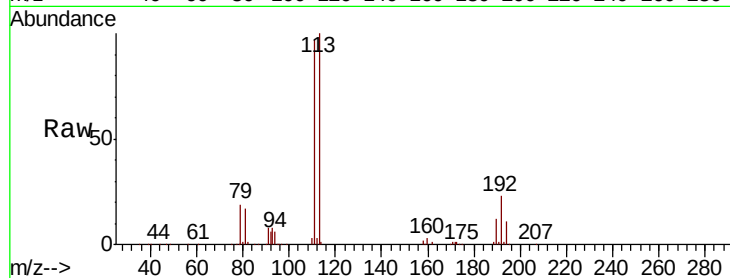




#35
 Dibromofluoromethane
 Concen: 48.008 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003118.D
 Acq: 07 Jul 2020 11:28

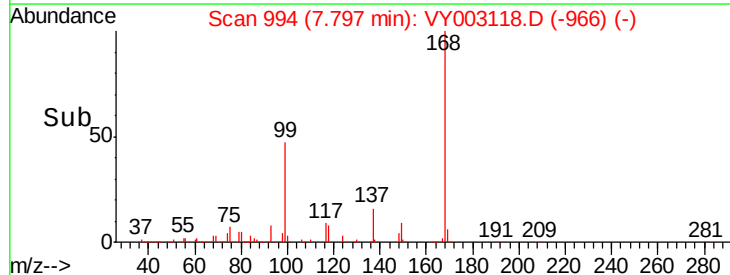
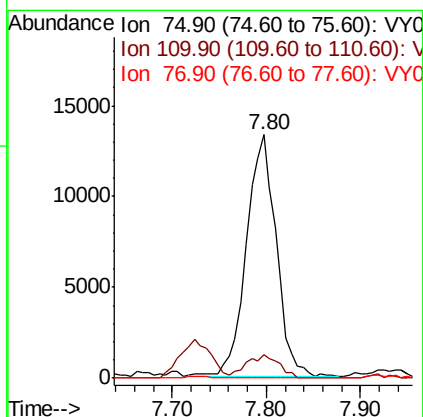
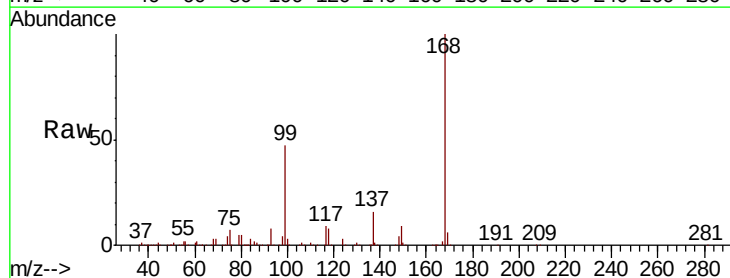
Instrument :
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 VY0707SBL01

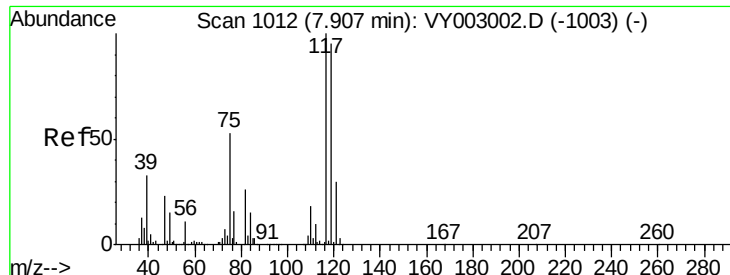
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	123.8
192	22.9	18.1	27.1



#36
 1,1-Dichloropropene
 Concen: 4.787 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003118.D
 Acq: 07 Jul 2020 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.1	51.2#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.949 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003118.D

Acq: 07 Jul 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

VY0707SBL01

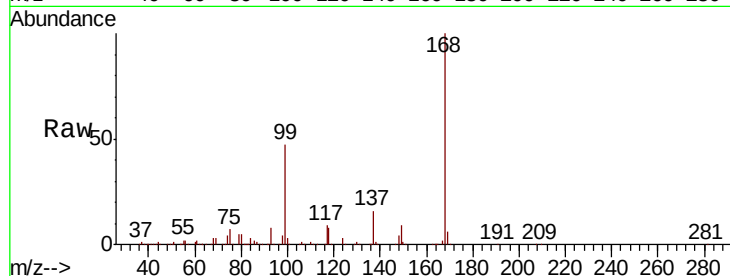
Tot Ion:117 Resp: 37951

Ion Ratio Lower Upper

117 100

119 4.5 75.7 113.5#

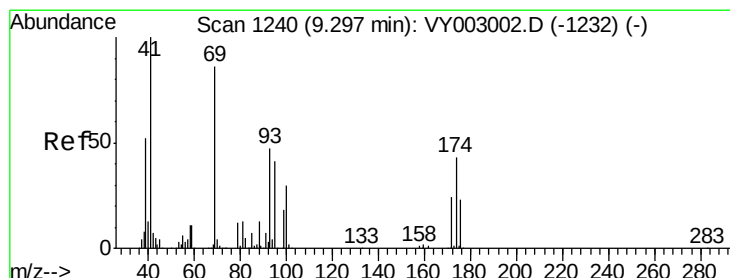
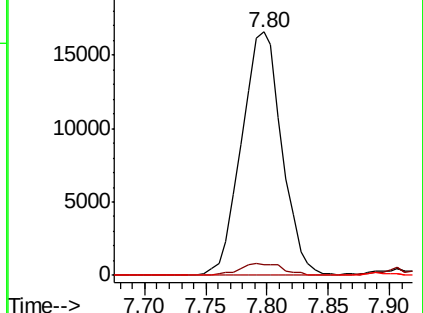
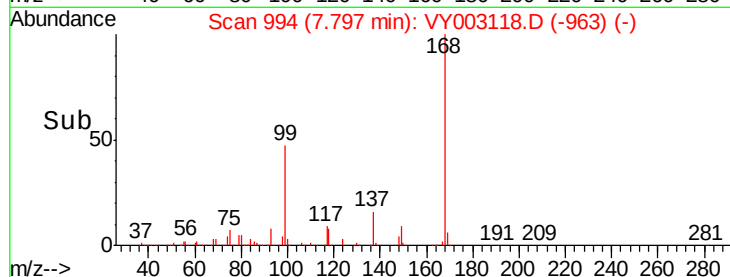
121 0.0 23.9 35.9#



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: 1.851 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VY003118.D

Acq: 07 Jul 2020 11:28

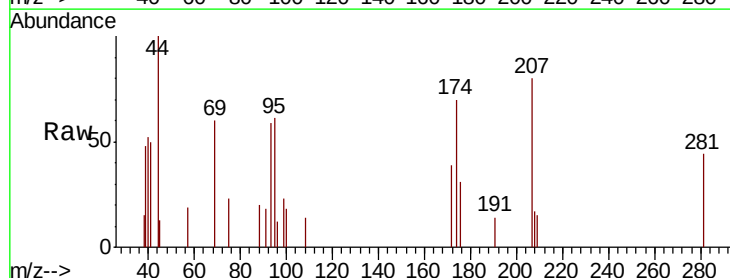
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

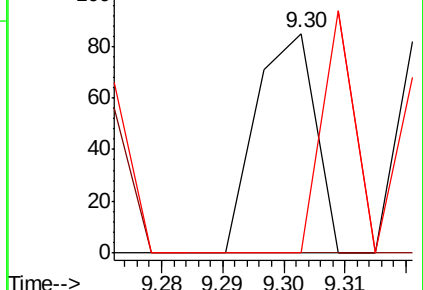
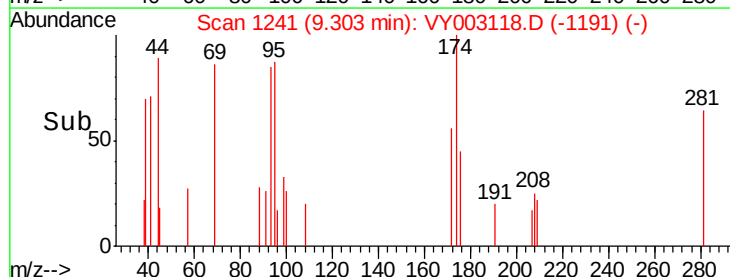
58 103.5 56.7 85.1#

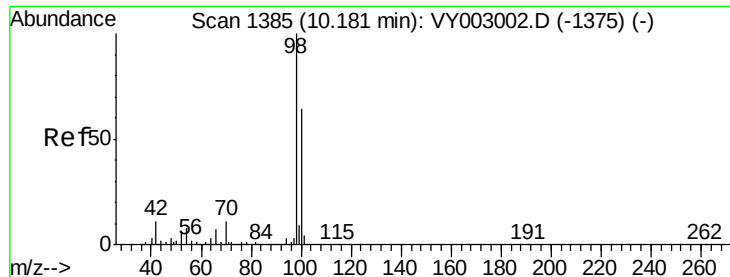


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 46.914 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003118.D

Acq: 07 Jul 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

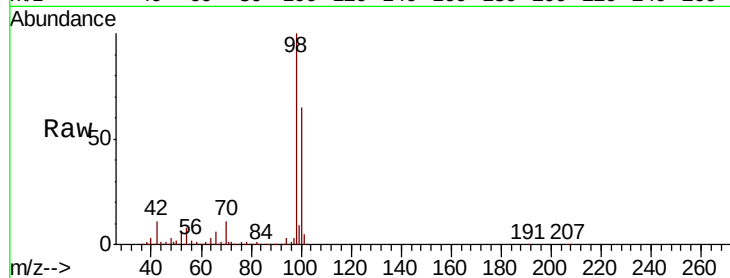
VY0707SBL01

Tot Ion: 98 Resp: 694026

Ion Ratio Lower Upper

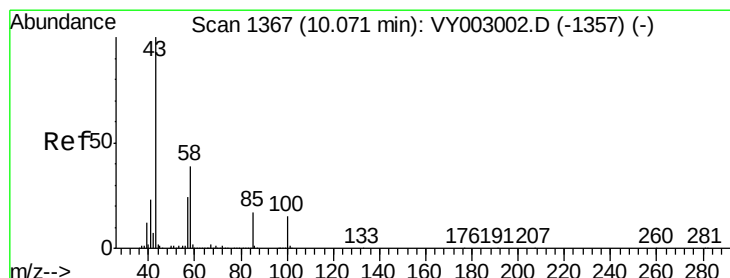
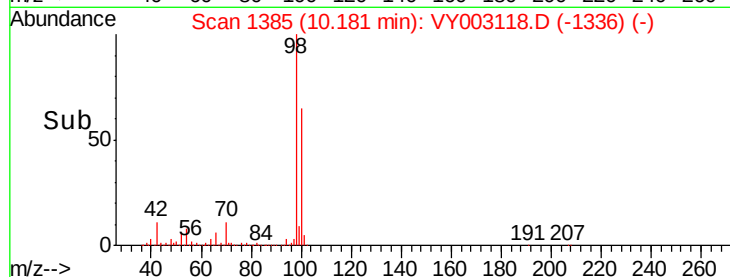
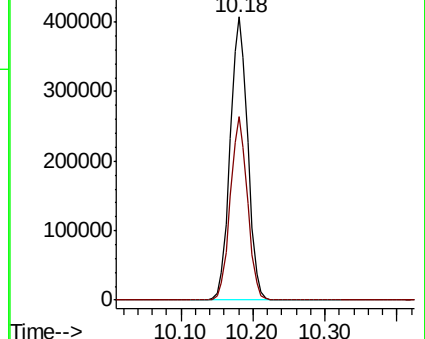
98 100

100 63.4 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: 1.052 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VY003118.D

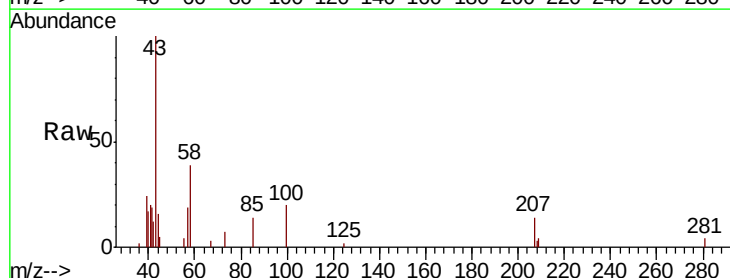
Acq: 07 Jul 2020 11:28

Tgt Ion: 43 Resp: 3809

Ion Ratio Lower Upper

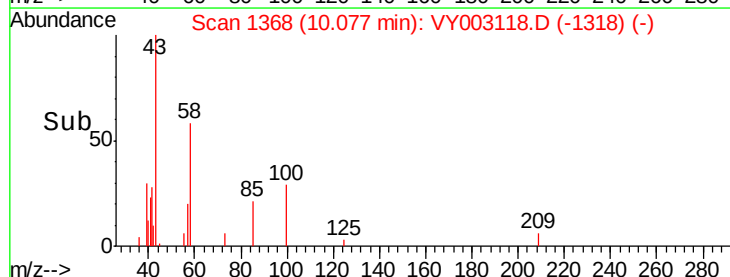
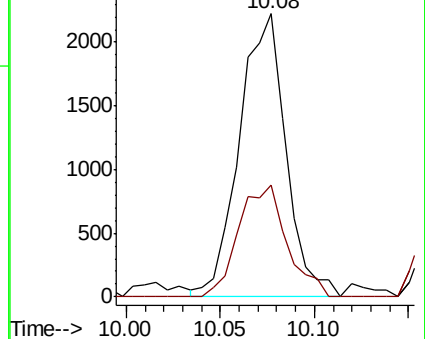
43 100

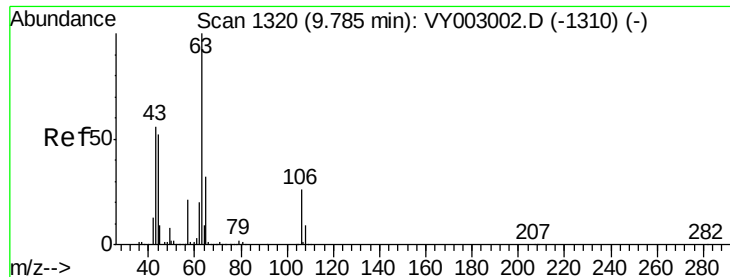
58 40.9 31.1 46.7



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: 1.245 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY003118.D

Acq: 07 Jul 2020 11:28

Instrument :

MSVOA_Y

ClientSampleId :

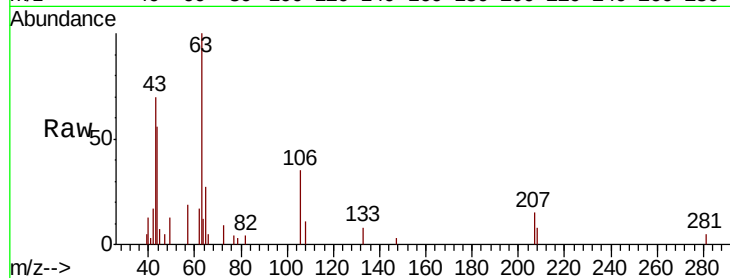
VY0707SBL01

Tot Ion: 63 Resp: 3241

Ion Ratio Lower Upper

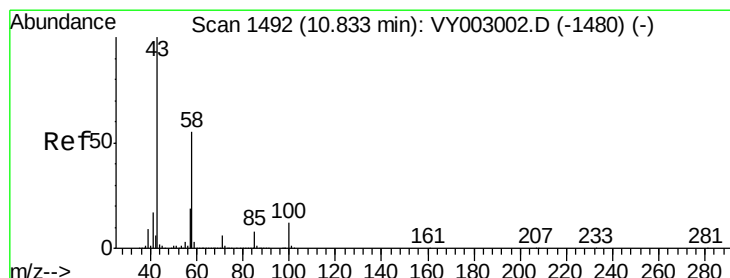
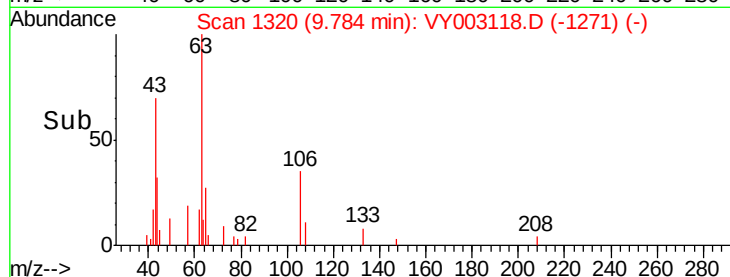
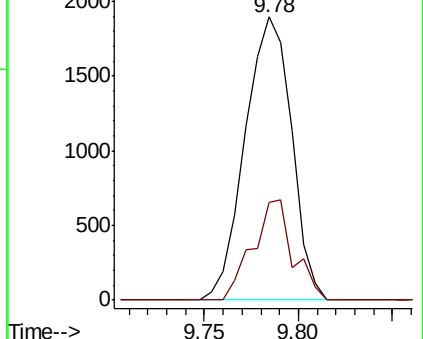
63 100

106 30.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): VY0



#59

2-Hexanone

Concen: 1.049 ug/l

RT: 10.83 min Scan# 1491

Delta R.T. -0.01 min

Lab File: VY003118.D

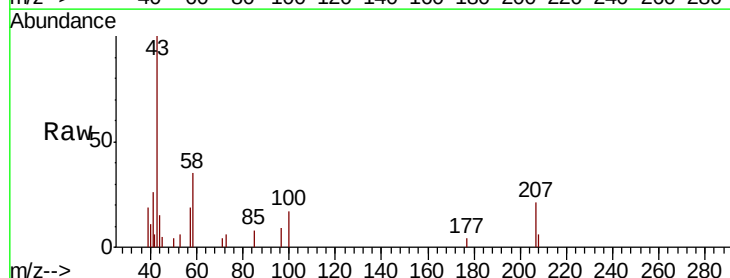
Acq: 07 Jul 2020 11:28

Tgt Ion: 43 Resp: 2655

Ion Ratio Lower Upper

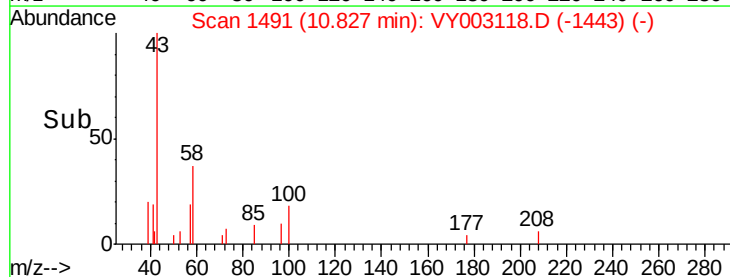
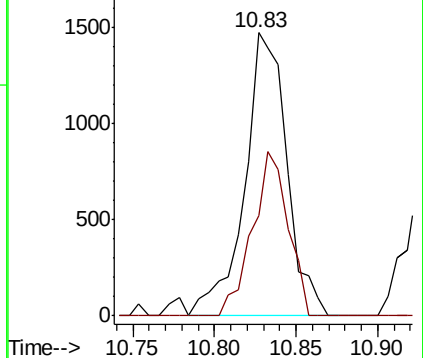
43 100

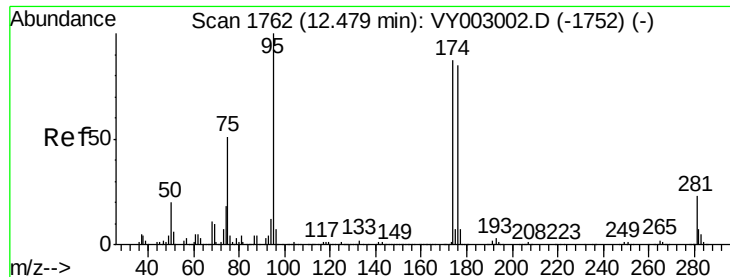
58 48.8 27.5 82.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

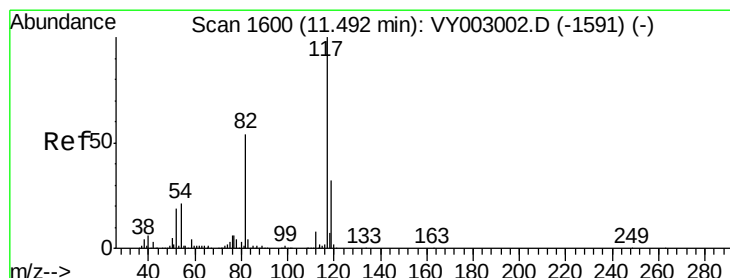
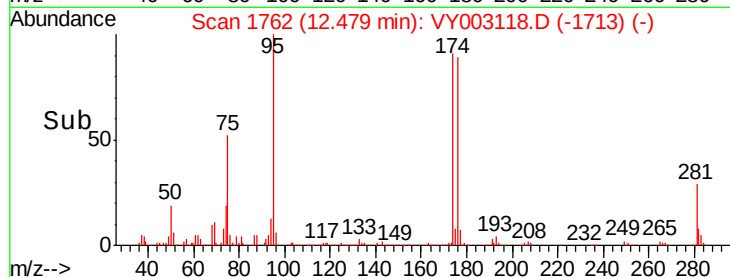
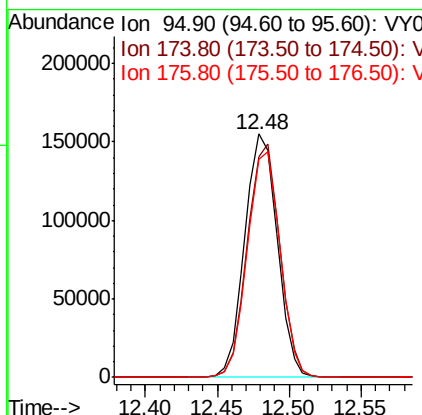
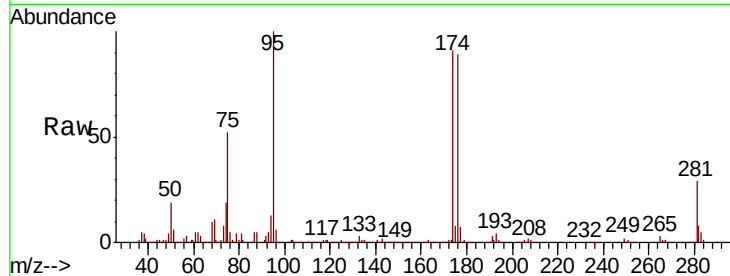




#62
4-Bromofluorobenzene
Concen: 46.576 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

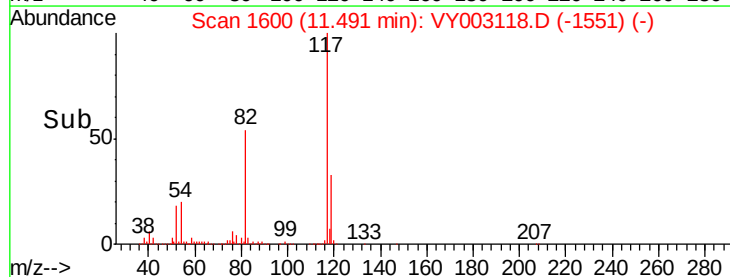
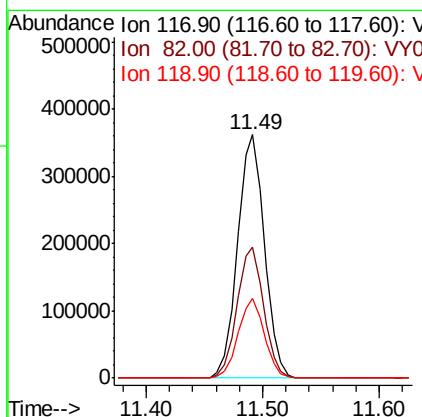
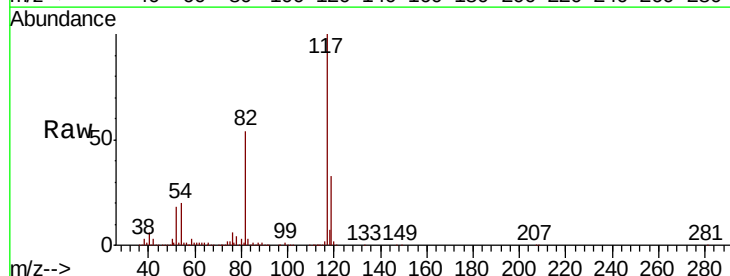
Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

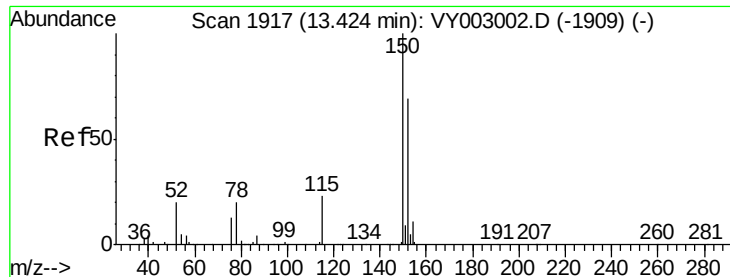
Tot Ion	95	Resp	242542
Ion Ratio	Lower	Upper	
95	100		
174	95.6	0.0	184.8
176	93.1	0.0	183.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

Tgt Ion	117	Resp	582148
Ion Ratio	Lower	Upper	
117	100		
82	53.7	43.0	64.6
119	32.8	25.8	38.8



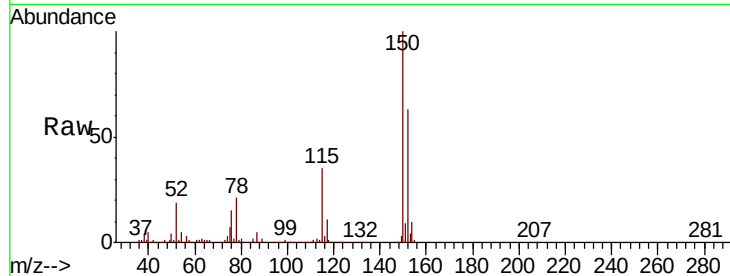


#72

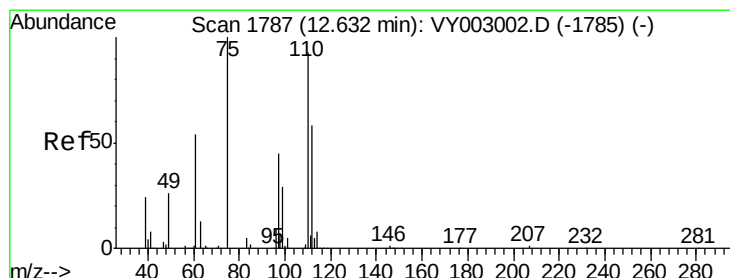
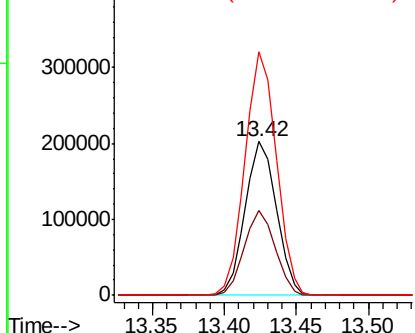
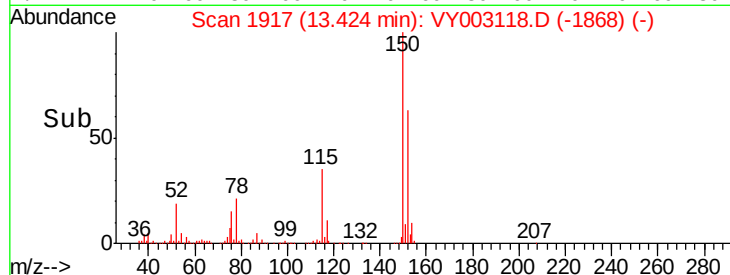
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.3	81.9
150	158.8	0.0	343.4



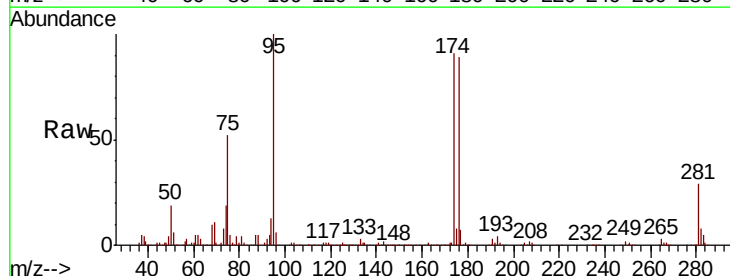
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



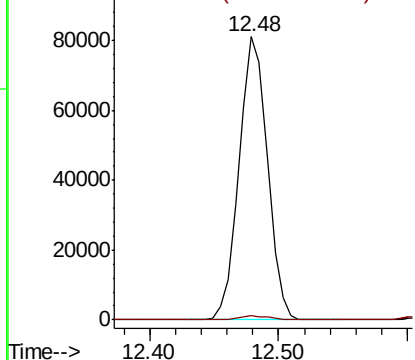
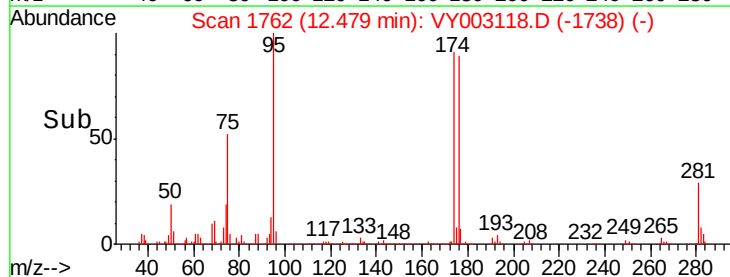
#76

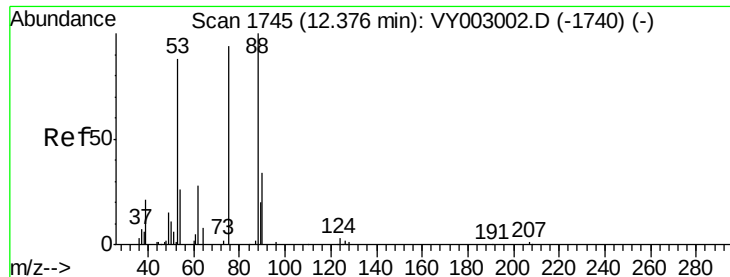
1,2,3-Trichloropropane
Concen: 41.053 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

Tgt 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: 79.873 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003118.D

Acq: 07 Jul 2020 11:28

Instrument :

MSVOA_Y

ClientSampled :

VY0707SBL01

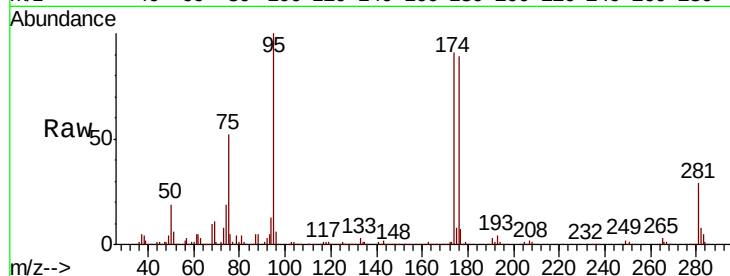
Tot Ion: 75 Resp: 123628

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

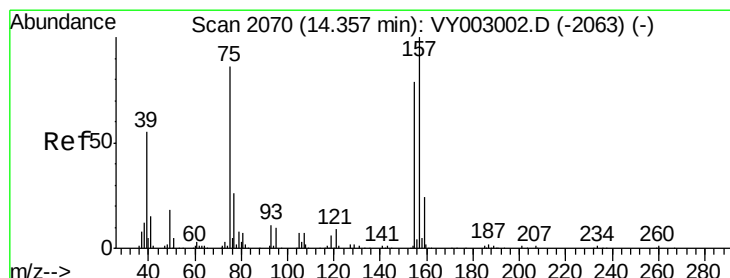
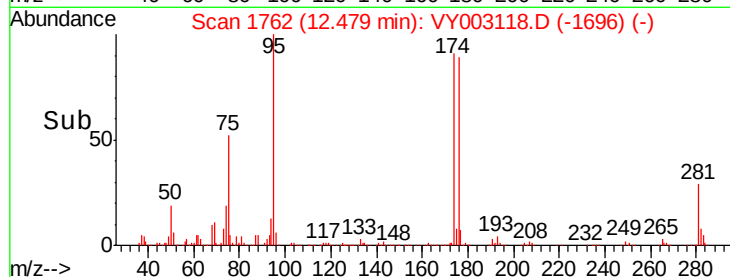
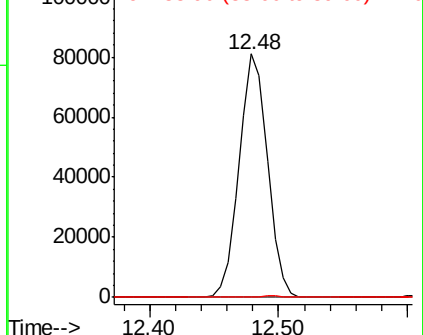
89 0.1 37.5 56.3#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.071 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VY003118.D

Acq: 07 Jul 2020 11:28

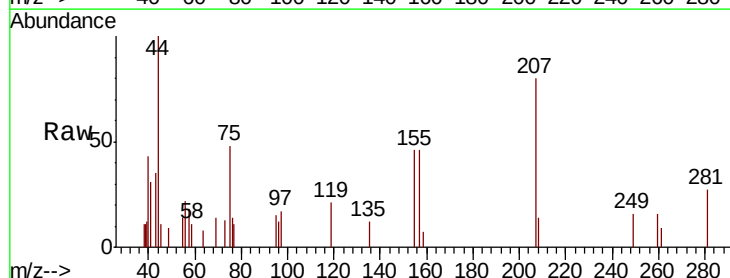
Tgt Ion: 75 Resp: 762

Ion Ratio Lower Upper

75 100

155 50.0 46.5 139.3

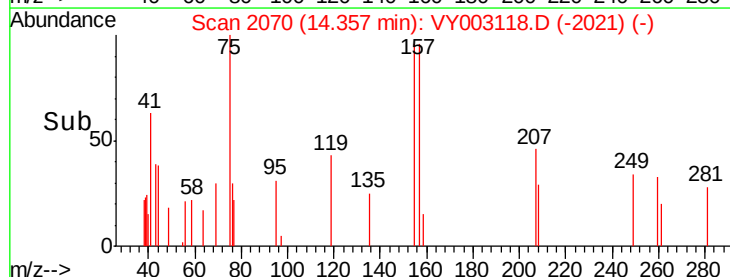
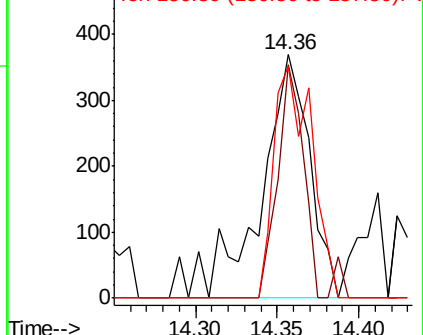
157 74.8 59.2 177.5

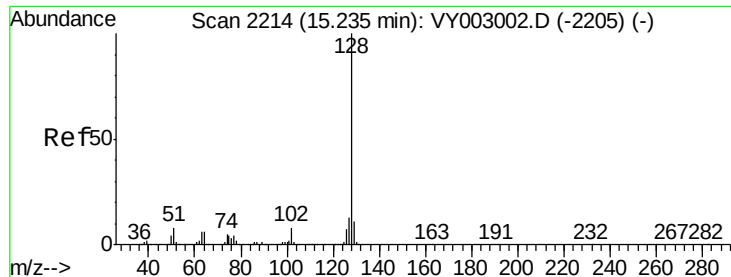


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

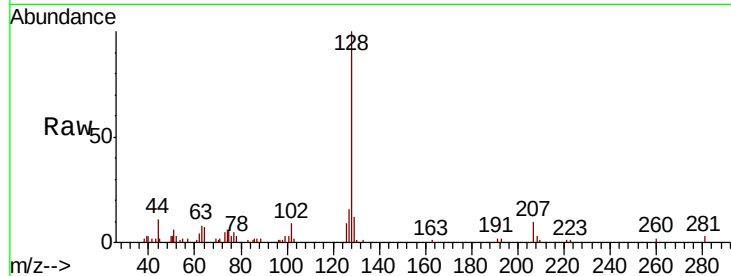




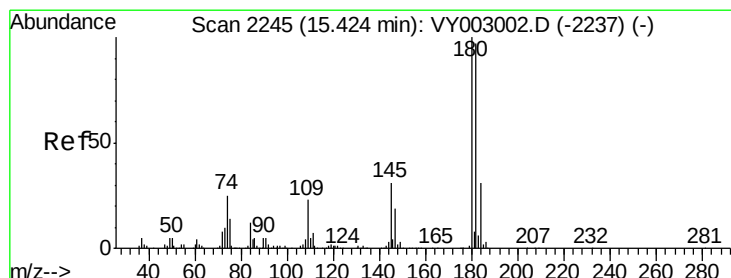
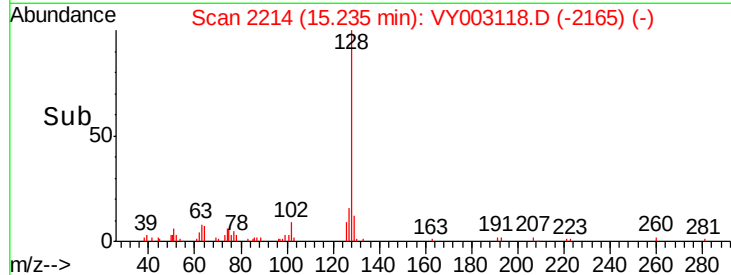
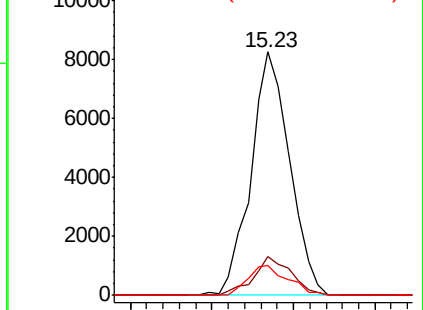
#95
Naphthalene
Concen: 1.171 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0707SBL01

Tot Ion:128 Resp: 13595
Ion Ratio Lower Upper
128 100
127 15.3 10.8 16.2
129 12.4 8.8 13.2

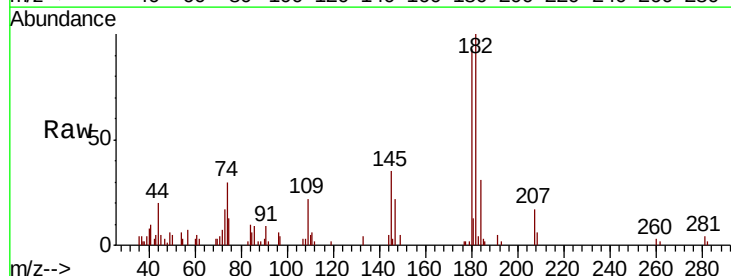


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 1.214 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003118.D
Acq: 07 Jul 2020 11:28

Tgt Ion:180 Resp: 6702
Ion Ratio Lower Upper
180 100
182 102.3 47.8 143.3
145 33.9 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

