

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072420\
 Data File : VY003345.D
 Acq On : 24 Jul 2020 20:26
 Operator : SY/MD
 Sample : L3436-13
 Misc : 6.94G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 13

Quant Time: Jul 25 01:42:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	448200	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	692036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	582910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	216725	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	217883	57.60	ug/l	0.00
Spiked Amount			Recovery	=	115.20%	
35) Dibromofluoromethane	7.72	113	214407	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
50) Toluene-d8	10.18	98	817178	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.48	95	227391	42.51	ug/l	0.00
Spiked Amount			Recovery	=	85.02%	

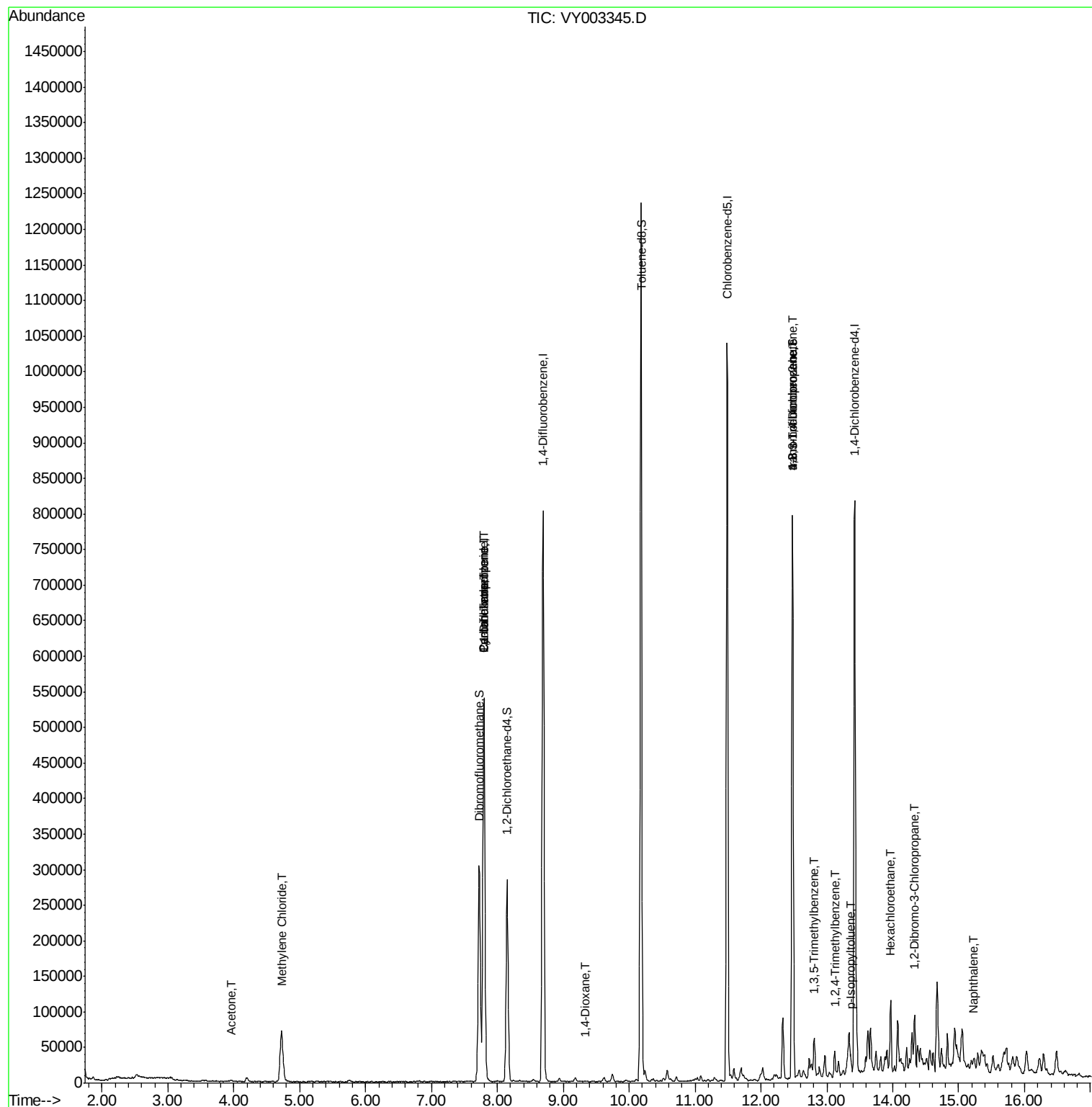
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	3374	3.993	ug/l	95
20) Methylene Chloride	4.72	84	54804	8.308	ug/l	95
31) Cyclohexane	7.80	56	8389	1.219	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	29454	4.696	ug/l #	50
38) Carbon Tetrachloride	7.79	117	40202	6.209	ug/l #	16
49) 1,4-Dioxane	9.33	88	56	1.691	ug/l #	30
76) 1,2,3-Trichloropropane	12.48	75	116174	60.558	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	23303	2.024	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.48	75	116174	117.858	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.12	105	19075	1.647	ug/l	98
86) p-Isopropyltoluene	13.37	119	14929	1.145	ug/l	98
90) Hexachloroethane	13.97	117	4539	1.912	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.33	75	526	1.216	ug/l #	1
95) Naphthalene	15.23	128	10578	1.540	ug/l #	92

(#) = 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: VY003345.D

Acq: 24 Jul 2020 20:26

Instrument :

MSVOA_Y

ClientSampleId :

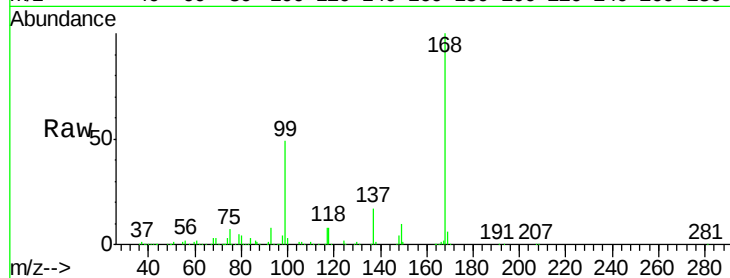
13

Tot Ion:168 Resp: 448200

Ion Ratio Lower Upper

168 100

99 49.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003345.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003345.D (-945) (-)

7.80

200000

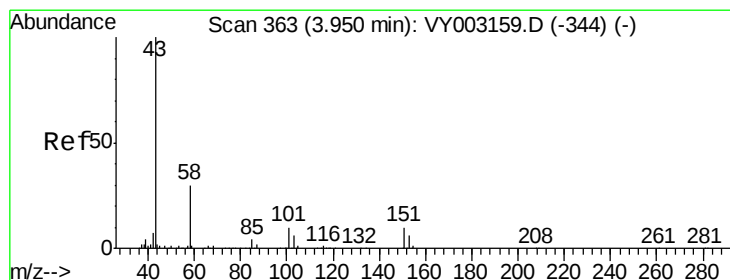
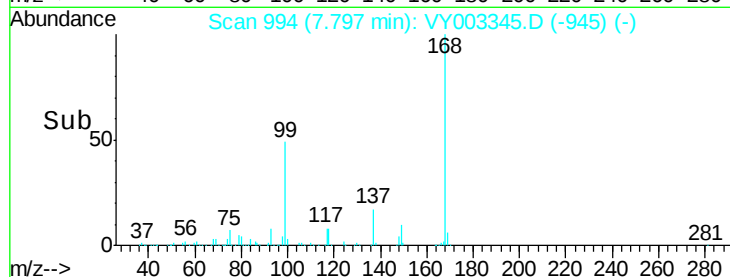
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.993 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY003345.D

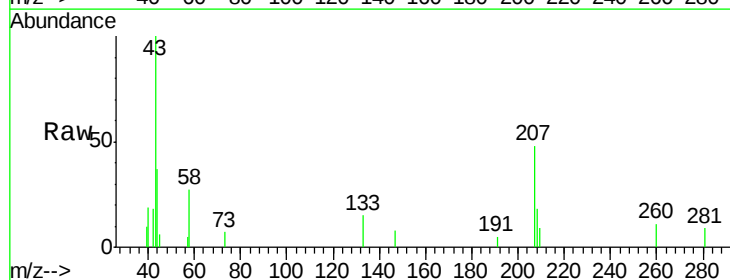
Acq: 24 Jul 2020 20:26

Tgt Ion: 43 Resp: 3374

Ion Ratio Lower Upper

43 100

58 27.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003345.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003345.D (-314) (-)

3.96

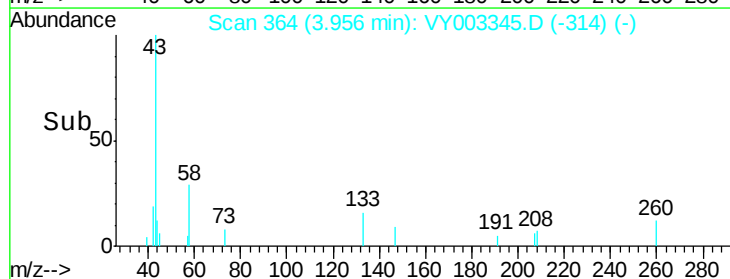
1500

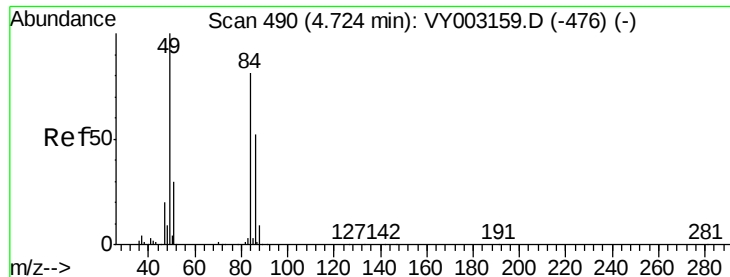
1000

500

0

Time-->

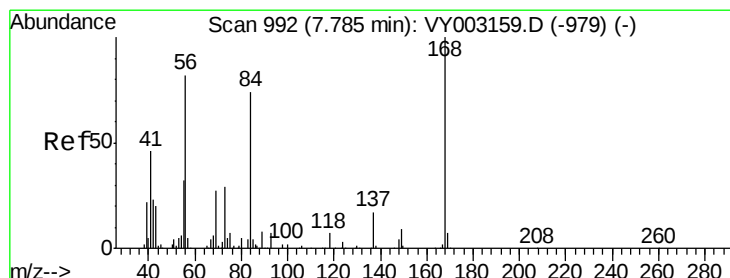
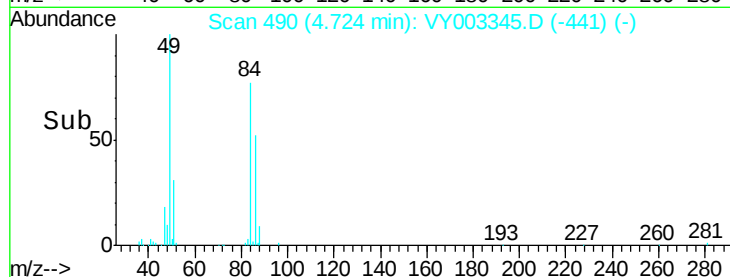
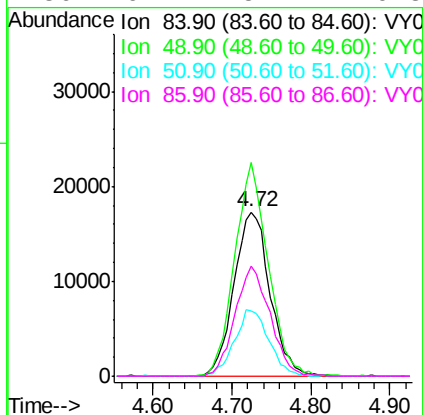
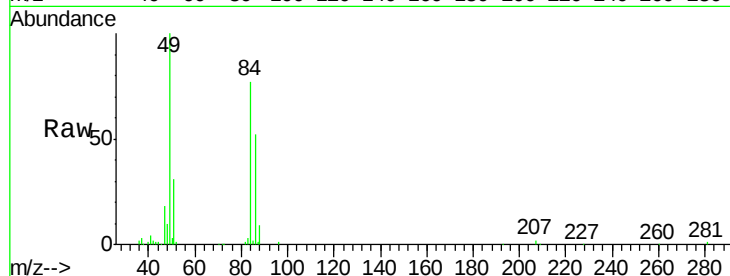




#20
Methylene Chloride
Concen: 8.308 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

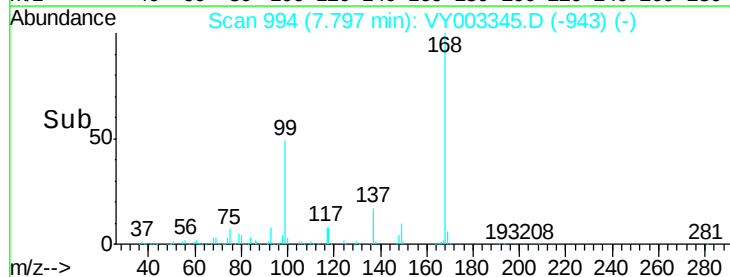
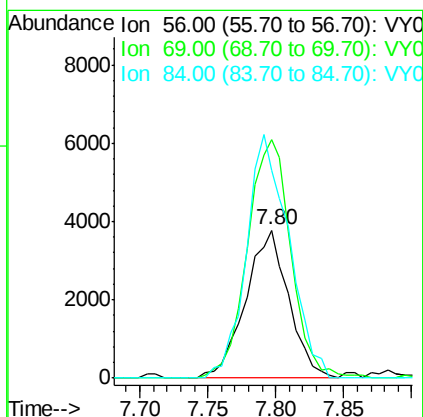
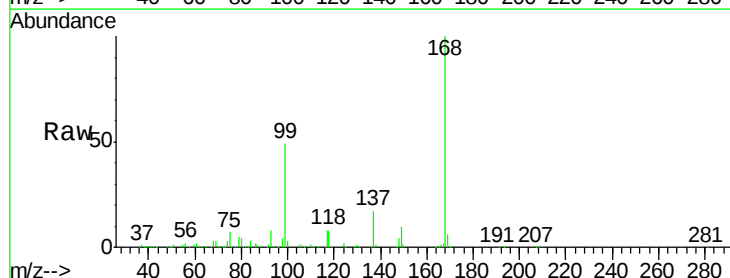
Instrument :
MSVOA_Y
ClientSampleId :
13

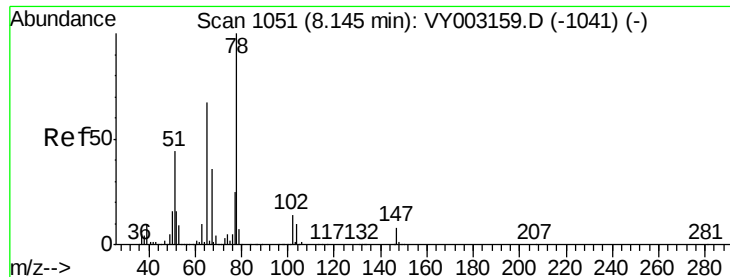
Tot Ion:	84	Resp:	54804
Ion	Ratio	Lower	Upper
84	100		
49	130.0	98.2	147.4
51	39.9	29.8	44.6
86	67.2	51.2	76.8



#31
Cyclohexane
Concen: 1.219 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

Tgt Ion:	56	Resp:	8389
Ion	Ratio	Lower	Upper
56	100		
69	161.6	26.7	40.1#
84	141.0	72.3	108.5#

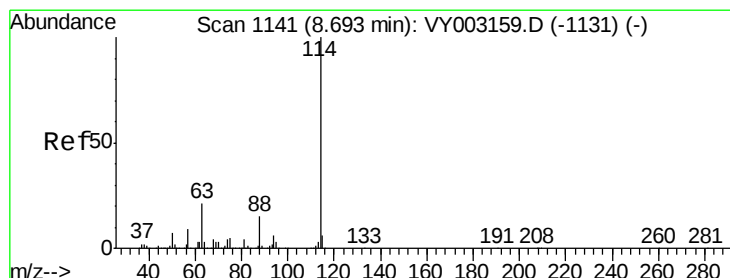
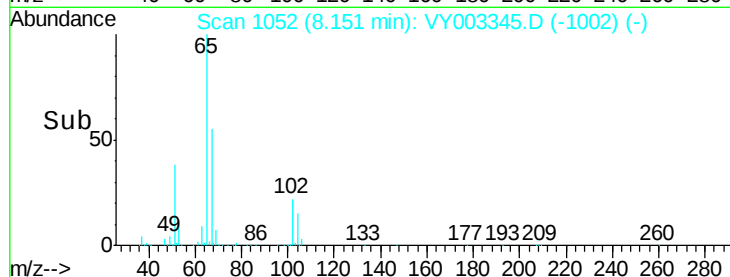
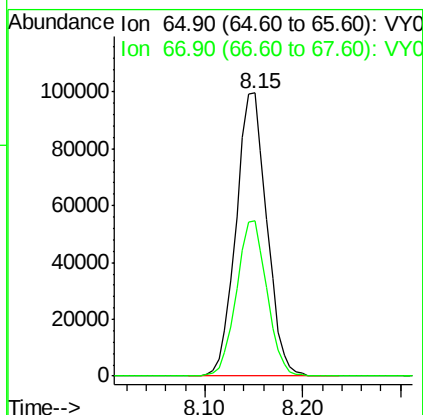
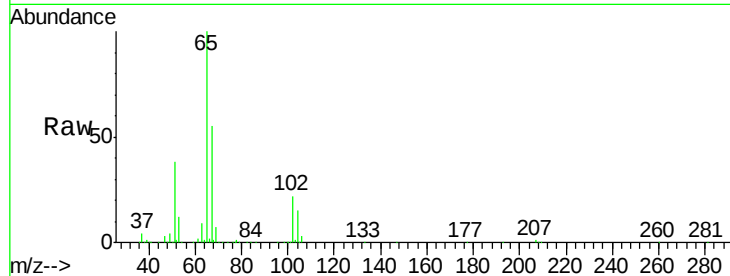




#33
 1,2-Dichloroethane-d4
 Concen: 57.596 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003345.D
 Acq: 24 Jul 2020 20:26

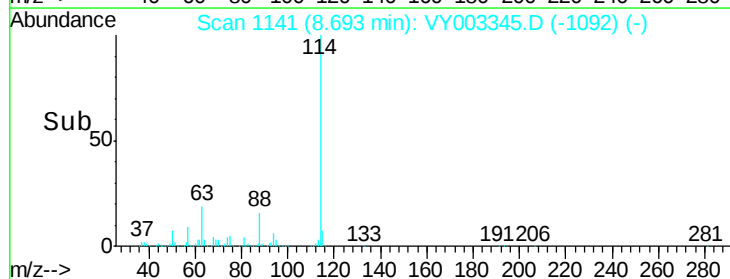
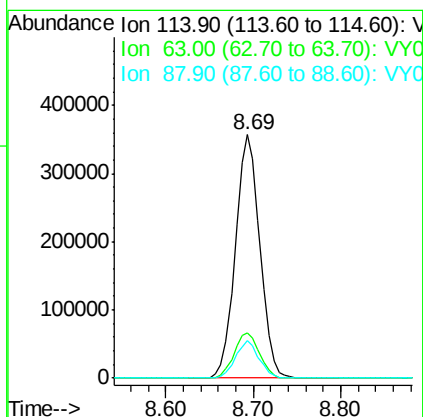
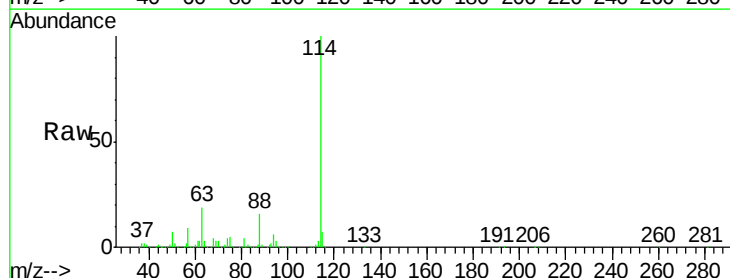
Instrument :
 MSVOA_Y
 ClientSampled :
 13

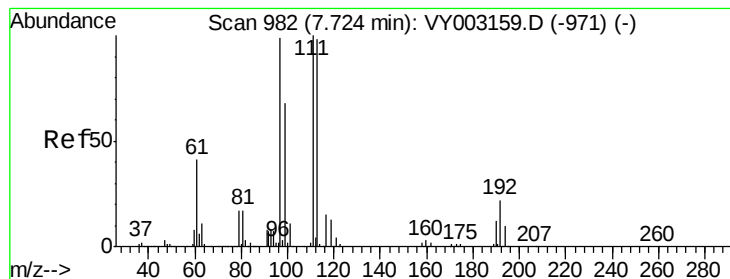
Tot Ion: 65 Resp: 217883
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003345.D
 Acq: 24 Jul 2020 20:26

Tgt Ion: 114 Resp: 692036
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 41.2
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.837 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.00 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

Instrument :

MSVOA_Y

ClientSampleId :

13

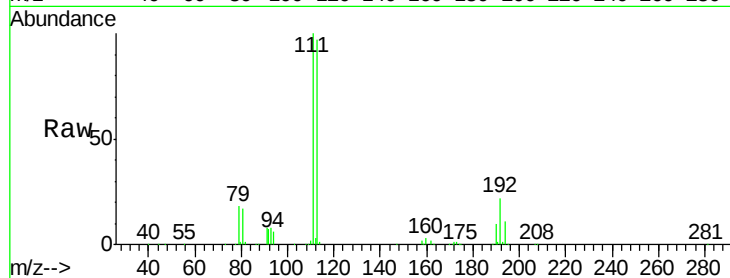
Tot Ion:113 Resp: 214407

Ion Ratio Lower Upper

113 100

111 104.0 82.1 123.1

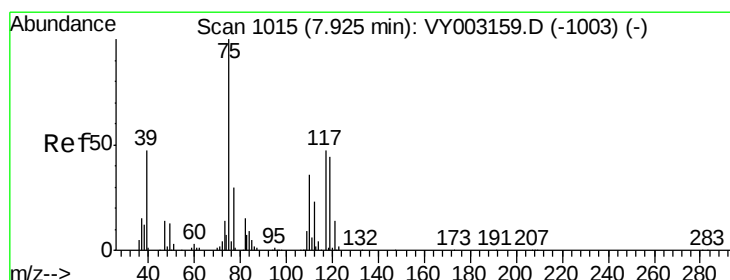
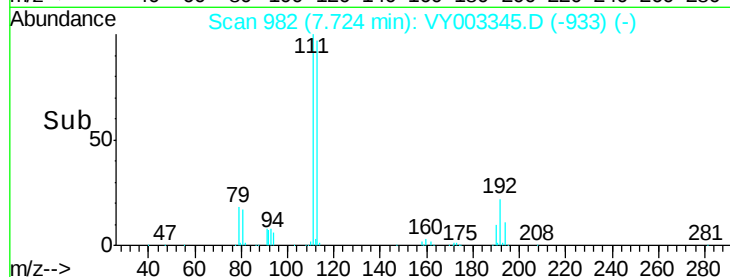
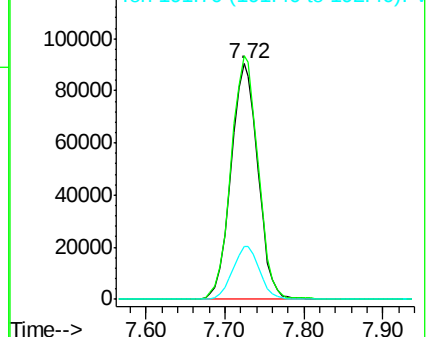
192 22.6 18.8 28.2



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: 4.696 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

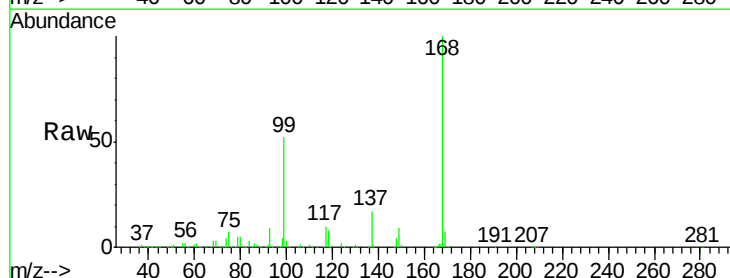
Tgt Ion: 75 Resp: 29454

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.1#

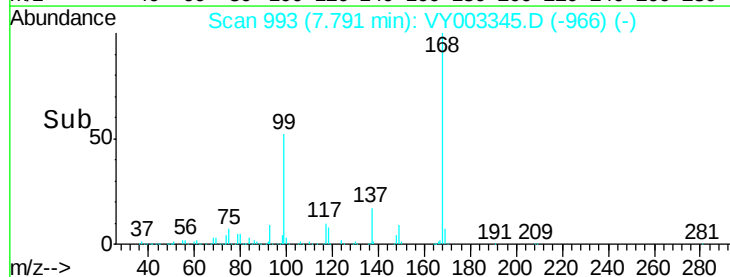
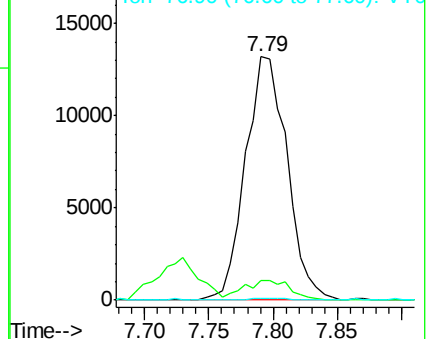
77 0.5 24.8 37.2#

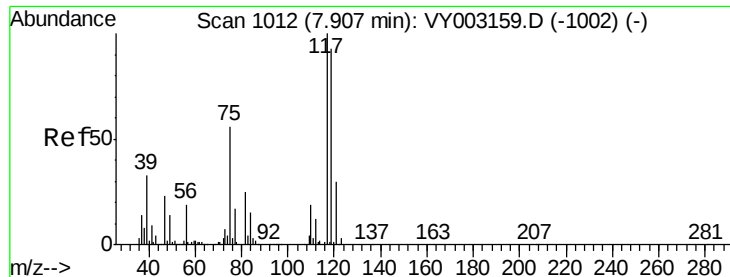


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.209 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

Instrument :

MSVOA_Y

ClientSampled :

13

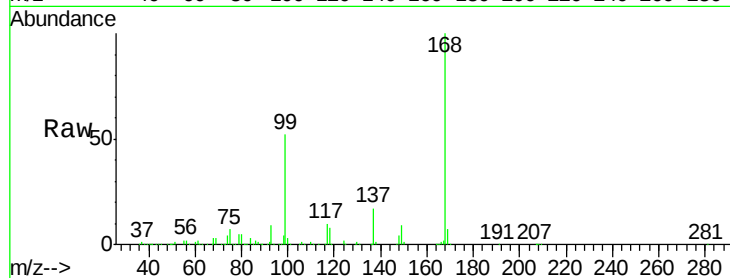
Tot Ion:117 Resp: 40202

Ion Ratio Lower Upper

117 100

119 4.1 74.5 111.7#

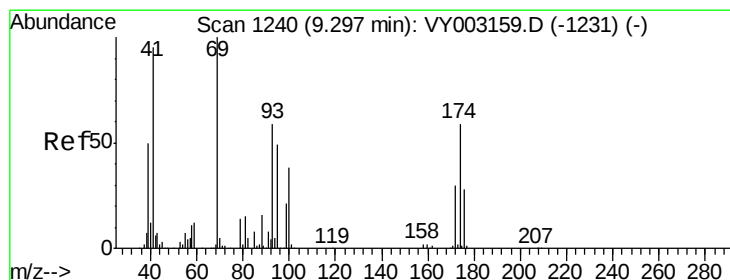
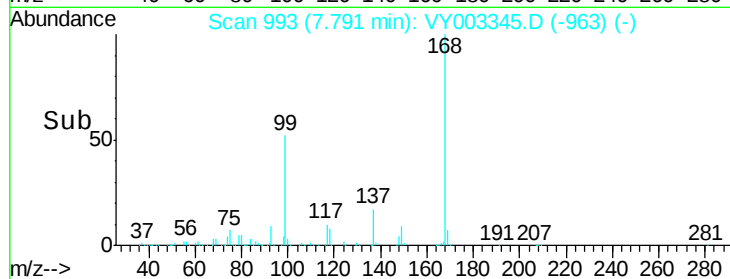
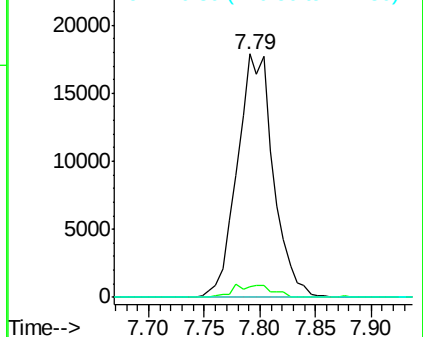
121 0.0 24.2 36.2#



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: 1.691 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.03 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

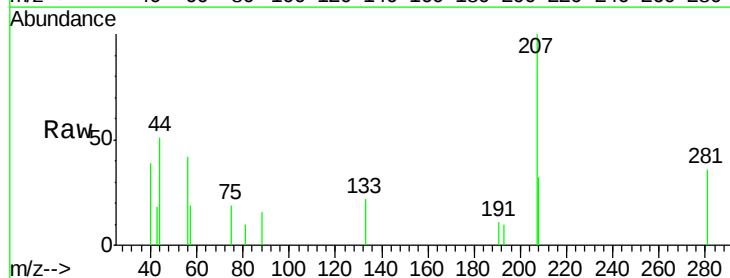
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 60.7 25.6 38.4#

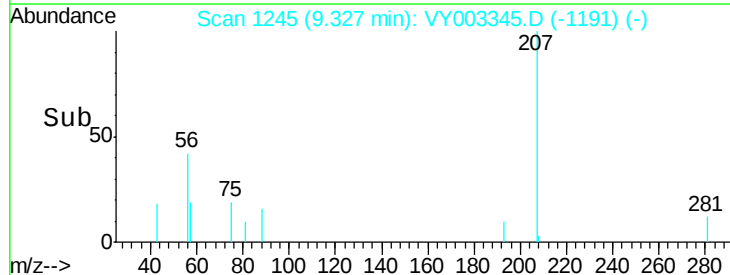
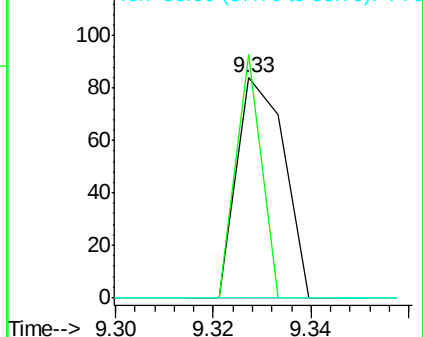
58 0.0 47.8 71.6#

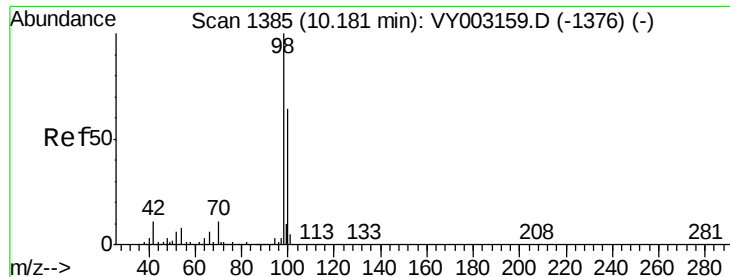


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 55.191 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

Instrument :

MSVOA_Y

ClientSampled :

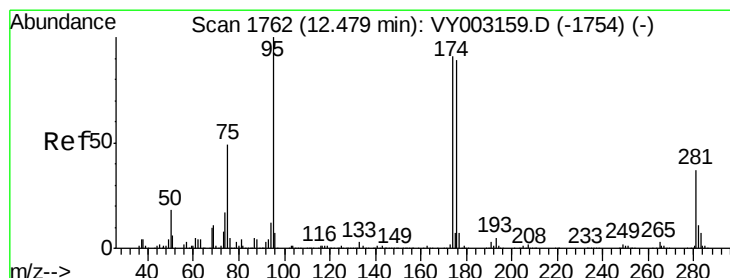
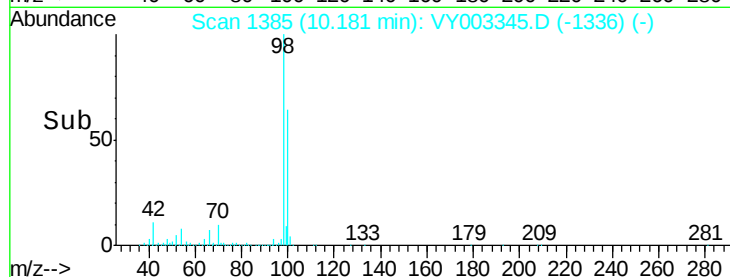
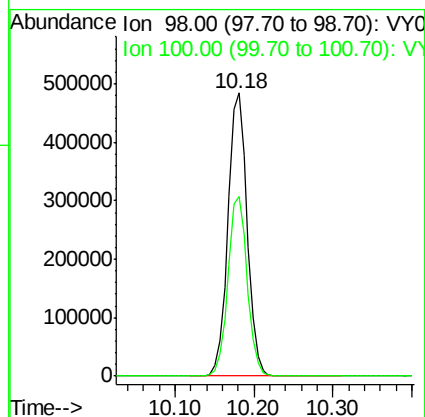
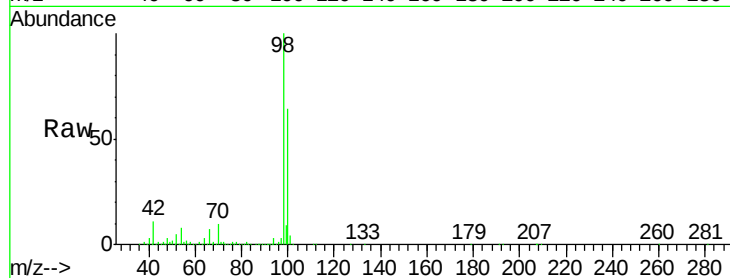
13

Tot Ion: 98 Resp: 817178

Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 42.512 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

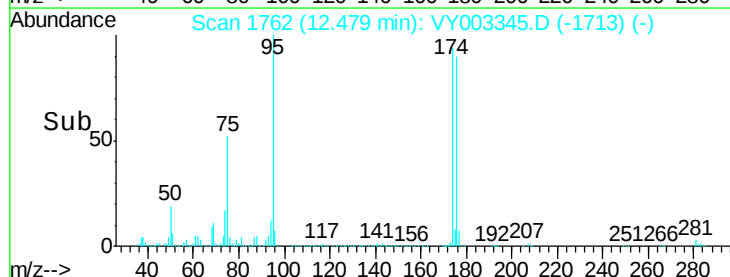
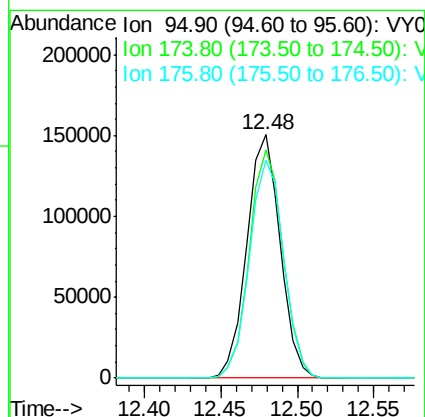
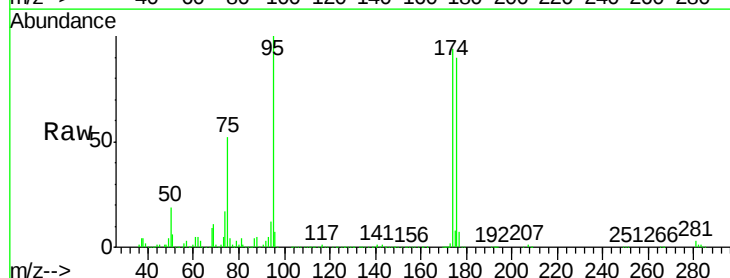
Tgt Ion: 95 Resp: 227391

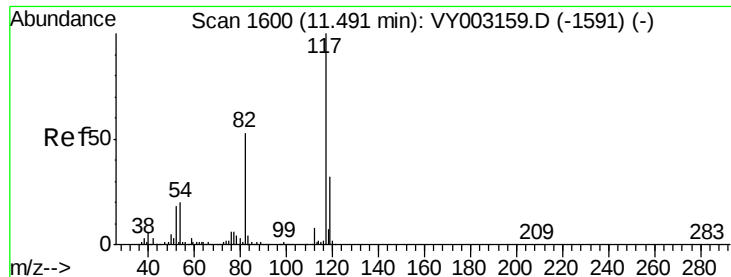
Ion Ratio Lower Upper

95 100

174 95.4 0.0 190.6

176 92.3 0.0 186.4

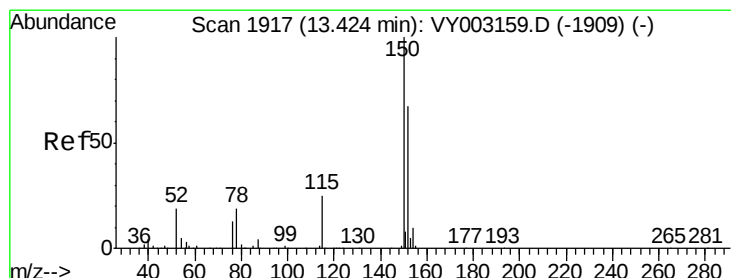
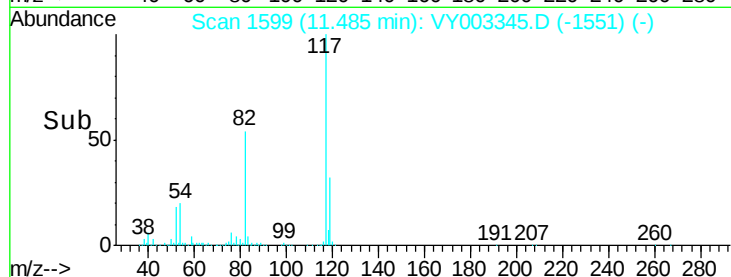
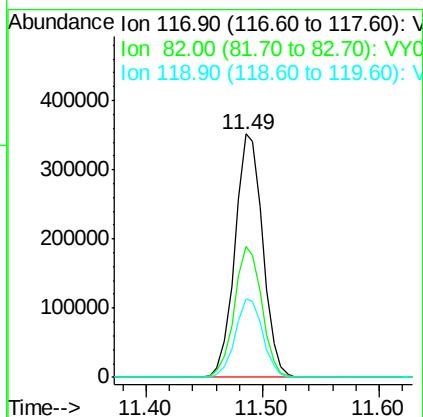
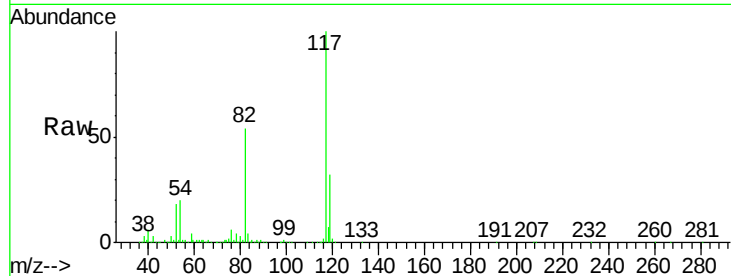




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

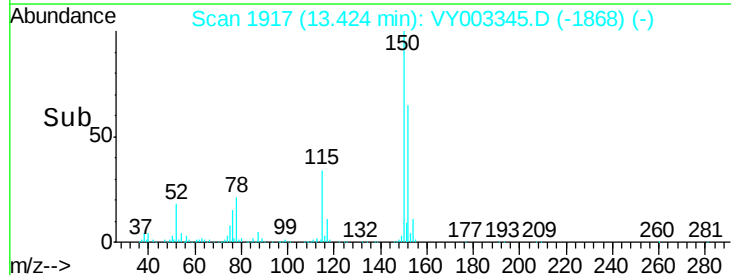
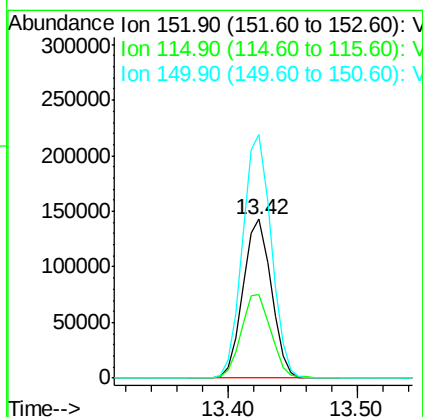
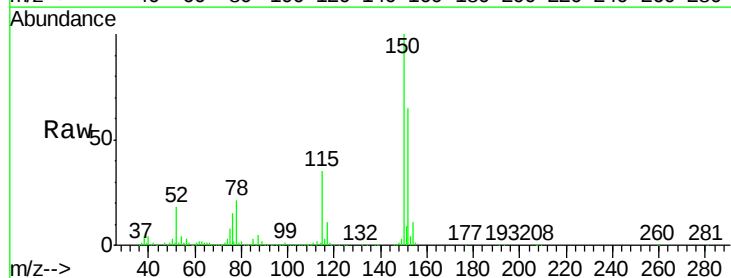
Instrument :
MSVOA_Y
ClientSampleId :
13

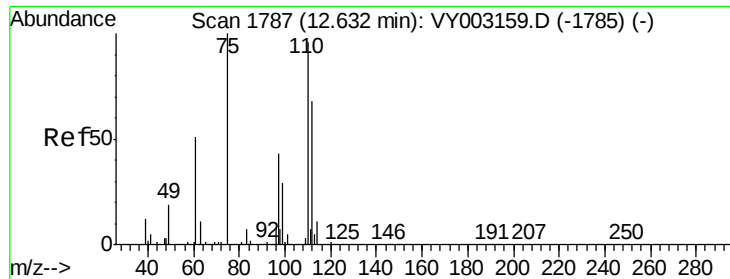
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.0	63.0
119	32.5	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	26.9	80.7
150	154.4	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 60.558 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

Instrument :

MSVOA_Y

ClientSampleId :

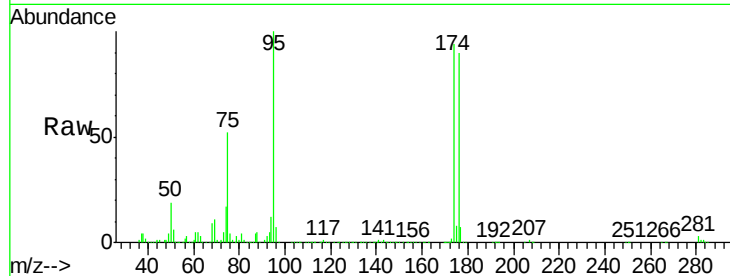
13

Tot Ion: 75 Resp: 116174

Ion Ratio Lower Upper

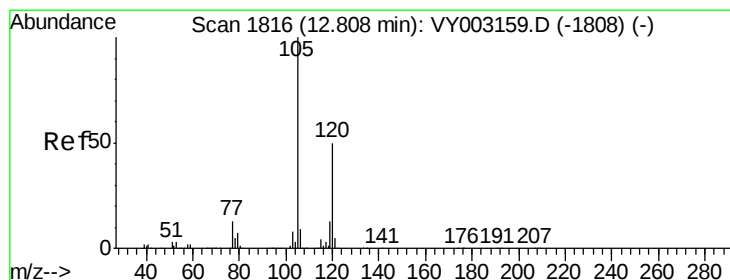
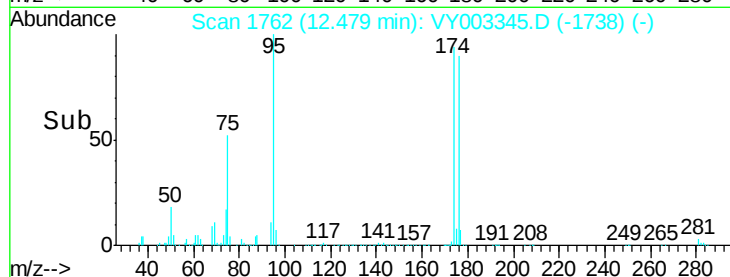
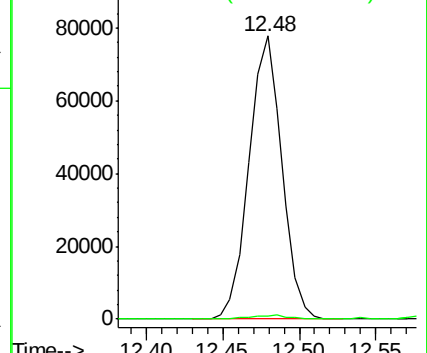
75 100

77 1.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#80

1,3,5-Trimethylbenzene

Concen: 2.024 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY003345.D

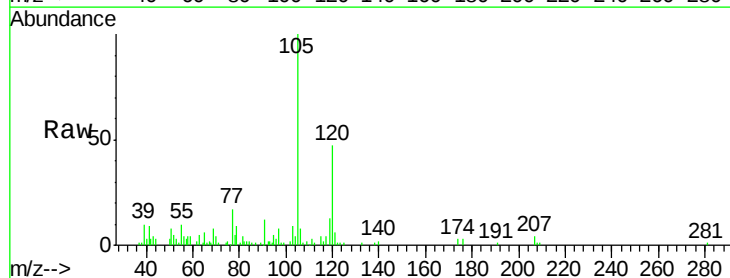
Acq: 24 Jul 2020 20:26

Tgt Ion: 105 Resp: 23303

Ion Ratio Lower Upper

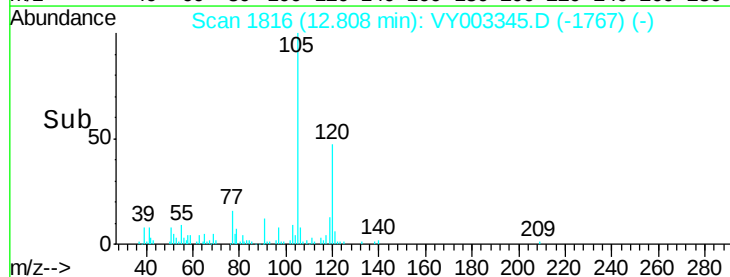
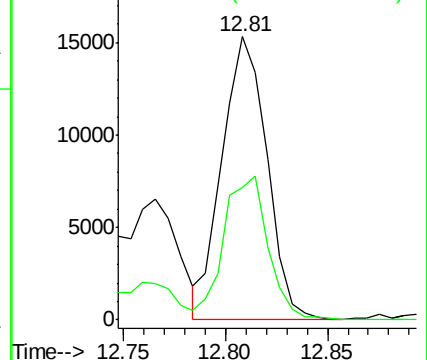
105 100

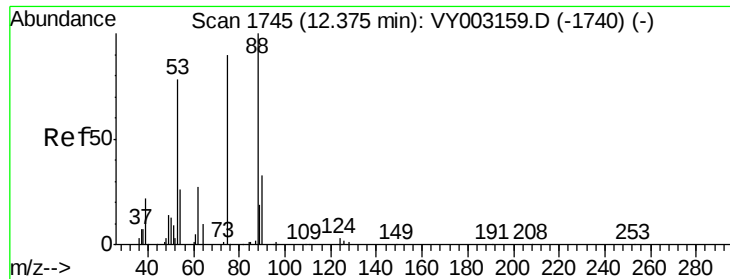
120 50.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

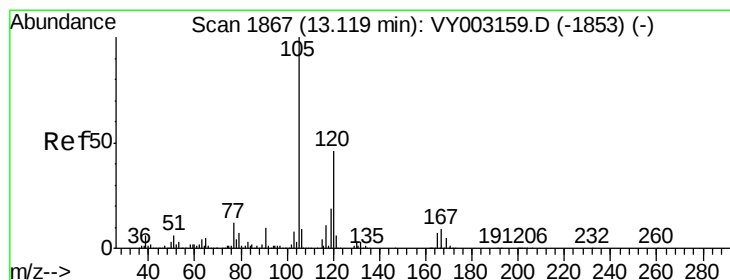
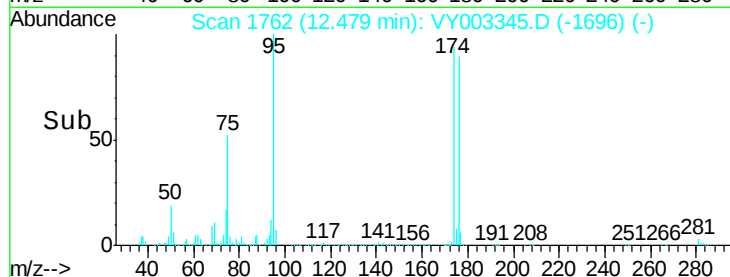
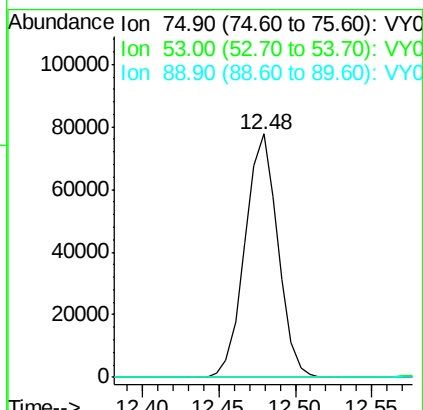
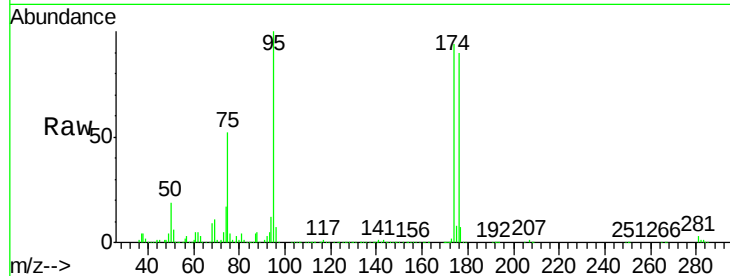




#81
trans-1,4-Dichloro-2-butene
Concen: 117.858 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

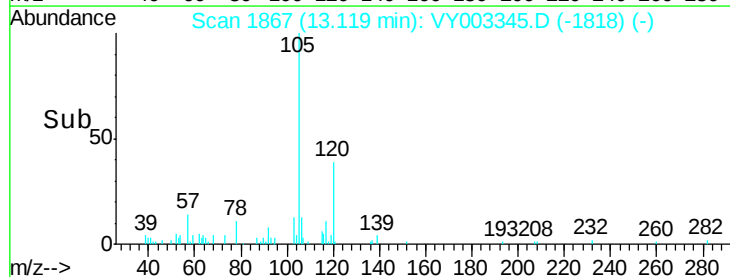
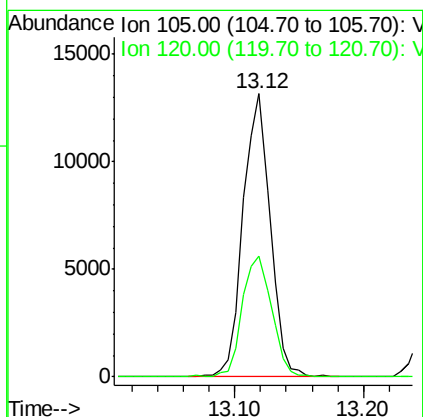
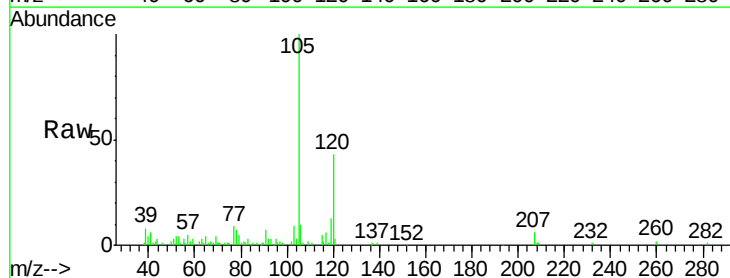
Instrument :
MSVOA_Y
ClientSampled :
13

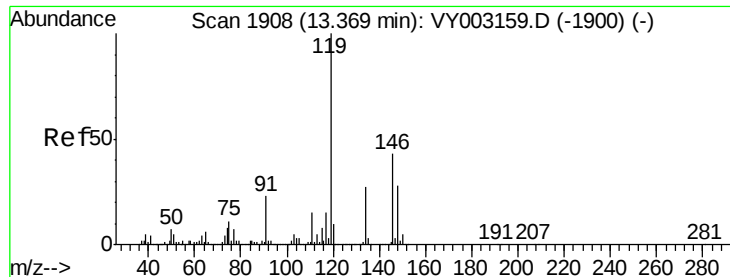
Tot Ion: 75 Resp: 116174
Ion Ratio Lower Upper
75 100
53 0.1 72.0 108.0#
89 0.0 37.3 55.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.647 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

Tgt Ion:105 Resp: 19075
Ion Ratio Lower Upper
105 100
120 46.5 22.5 67.5

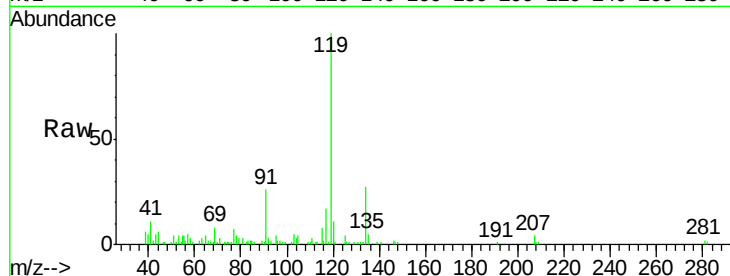




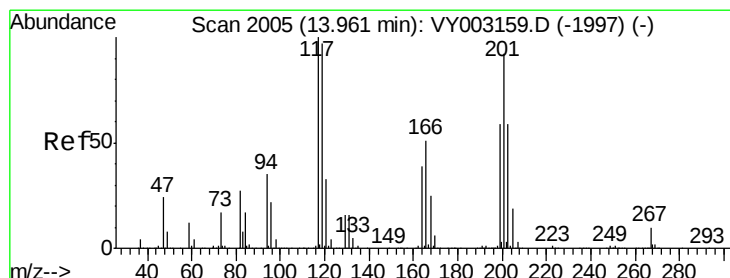
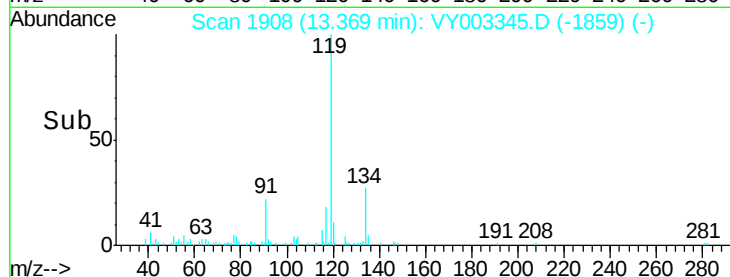
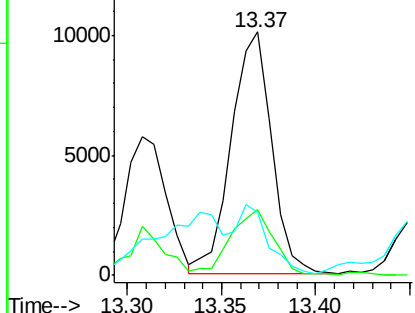
#86
p-Isopropyltoluene
Concen: 1.145 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

Instrument :
MSVOA_Y
ClientSampled :
13

Tot Ion:119 Resp: 14929
Ion Ratio Lower Upper
119 100
134 28.4 13.4 40.2
91 23.3 11.2 33.6

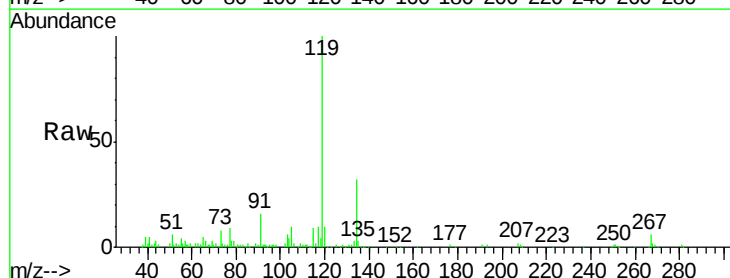


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

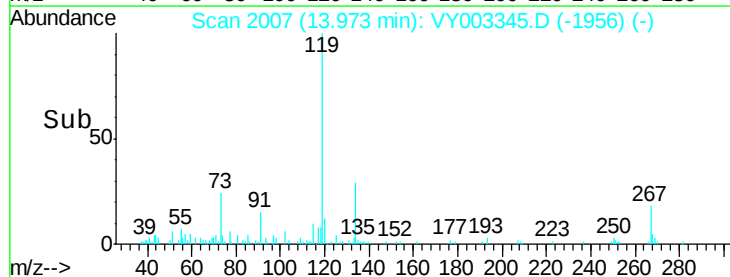
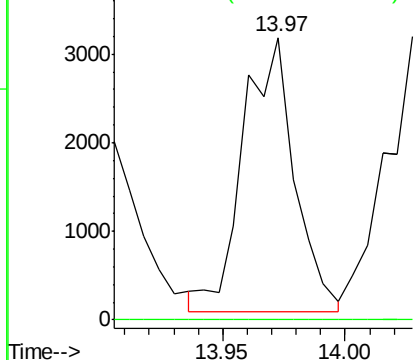


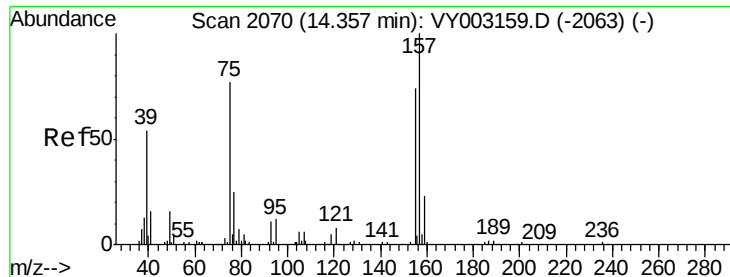
#90
Hexachloroethane
Concen: 1.912 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY003345.D
Acq: 24 Jul 2020 20:26

Tgt Ion:117 Resp: 4539
Ion Ratio Lower Upper
117 100
201 0.0 45.1 135.3#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.216 ug/l

RT: 14.33 min Scan# 2065

Delta R.T. -0.03 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

Instrument :

MSVOA_Y

ClientSampleId :

13

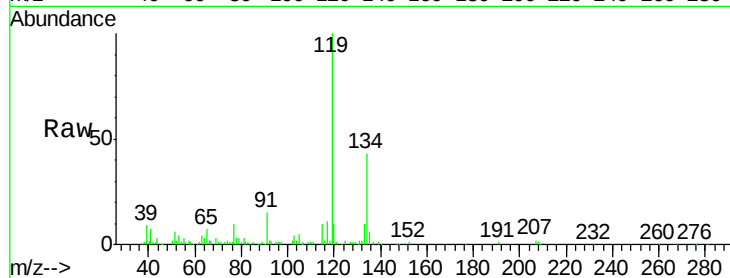
Tot Ion: 75 Resp: 526

Ion Ratio Lower Upper

75 100

155 0.0 48.1 144.3#

157 0.0 61.9 185.6#



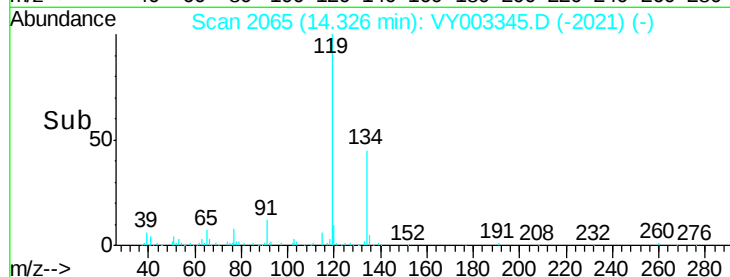
Abundance Ion 74.90 (74.60 to 75.60): VY003345.D (-2063) (-)

Ion 154.80 (154.50 to 155.50): VY003345.D (-2063) (-)

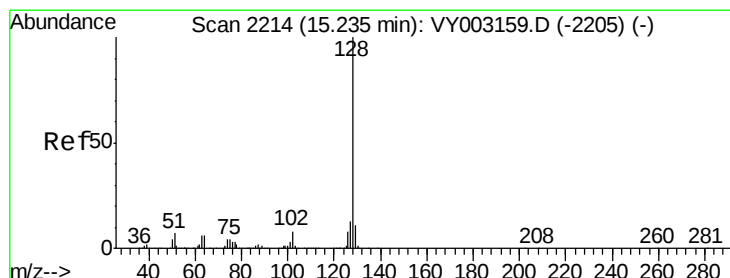
Ion 156.80 (156.50 to 157.50): VY003345.D (-2063) (-)

14.33

14.35



Time-->



#95

Naphthalene

Concen: 1.540 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.01 min

Lab File: VY003345.D

Acq: 24 Jul 2020 20:26

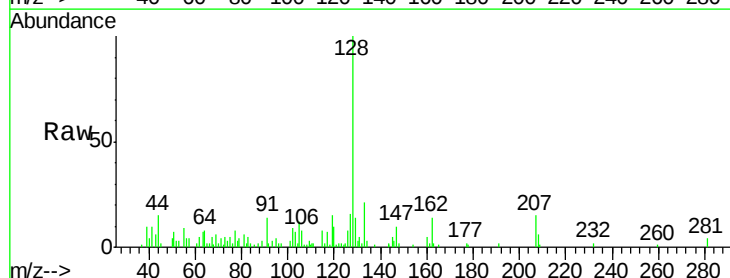
Tgt Ion: 128 Resp: 10578

Ion Ratio Lower Upper

128 100

127 18.3 10.9 16.3#

129 12.5 9.0 13.6



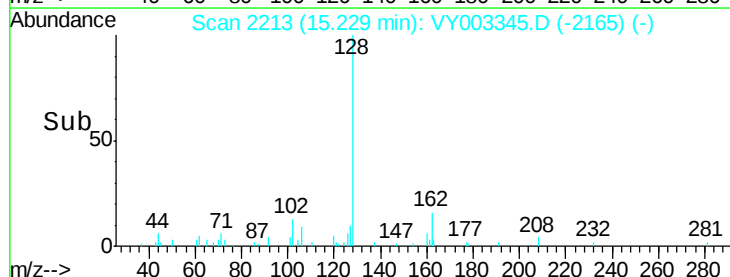
Abundance Ion 128.00 (127.70 to 128.70): VY003345.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): VY003345.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VY003345.D (-2205) (-)

15.23

15.30



Time-->