

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003149.D
 Acq On : 09 Jul 2020 17:21
 Operator : SY/MD
 Sample : L3255-11
 Misc : 7.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-31

Quant Time: Jul 10 03:44:21 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	303494	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	482638	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	427882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	143732	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	160627	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	7.72	113	158455	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
50) Toluene-d8	10.18	98	566108	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.48	95	161050	40.79	ug/l	0.00
Spiked Amount			Recovery	=	81.58%	

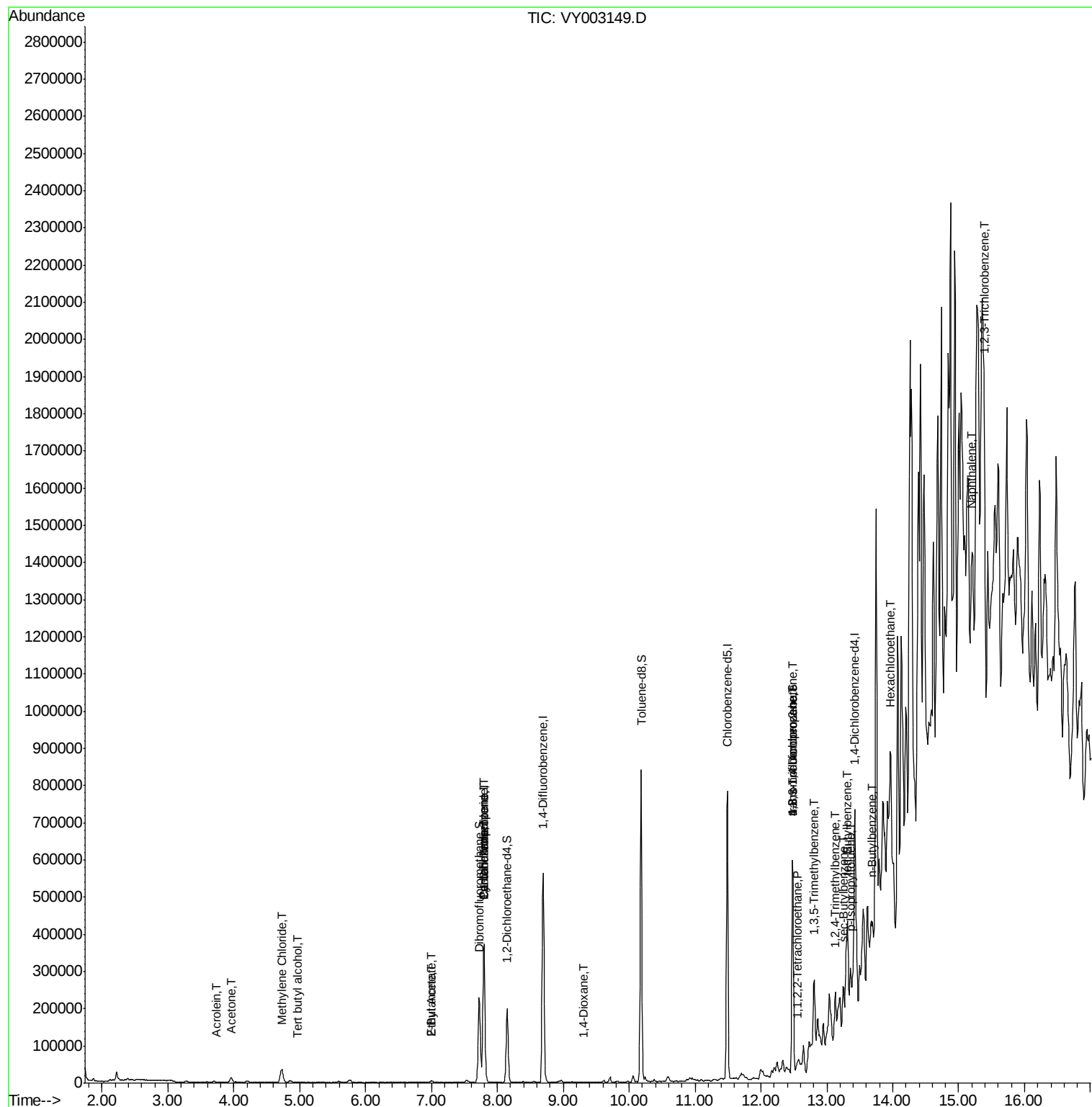
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1880	6.120	ug/l #	82
13) Acrolein	3.74	56	739	2.678	ug/l #	14
16) Acetone	3.96	43	22158	31.168	ug/l	100
20) Methylene Chloride	4.73	84	28435	2.315	ug/l	88
25) 2-Butanone	7.00	43	8110	7.181	ug/l #	85
31) Cyclohexane	7.80	56	5419	1.022	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	20282	4.363	ug/l #	51
37) Ethyl Acetate	7.00	43	8110	2.901	ug/l #	70
38) Carbon Tetrachloride	7.80	117	28231	5.837	ug/l #	17
49) 1,4-Dioxane	9.31	88	263	11.266	ug/l #	5
75) 1,1,2,2-Tetrachloroethane	12.54	83	2798	1.474	ug/l #	26
76) 1,2,3-Trichloropropane	12.48	75	82022	57.660	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	10892	1.380	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.48	75	82022	112.183	ug/l #	13
83) tert-Butylbenzene	13.31	119	15802	2.280	ug/l	71
84) 1,2,4-Trimethylbenzene	13.12	105	38874	4.887	ug/l	95
85) sec-Butylbenzene	13.25	105	15347	1.606	ug/l #	75
86) p-Isopropyltoluene	13.37	119	18485	2.088	ug/l	97
89) n-Butylbenzene	13.69	91	13384	1.580	ug/l #	69
90) Hexachloroethane	13.97	117	6493	3.694	ug/l #	4
95) Naphthalene	15.20	128	15835	2.888	ug/l #	32
96) 1,2,3-Trichlorobenzene	15.39	180	18100	6.944	ug/l #	1

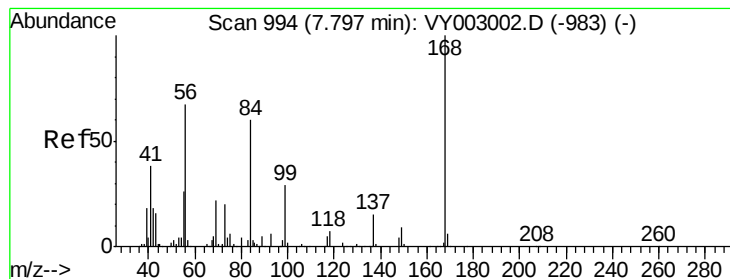
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 30 04:11:35 2020
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: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

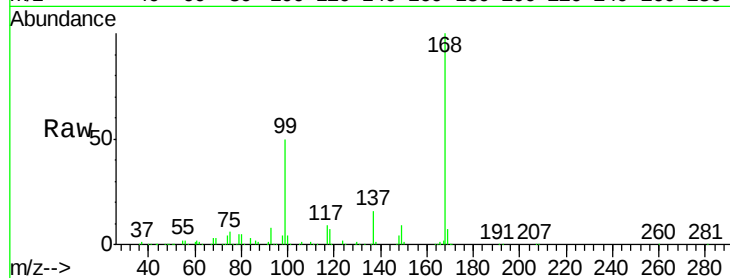
CHRT-31

Tot Ion:168 Resp: 303494

Ion Ratio Lower Upper

168 100

99 49.8 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003149.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003149.D (-945) (-)

7.80

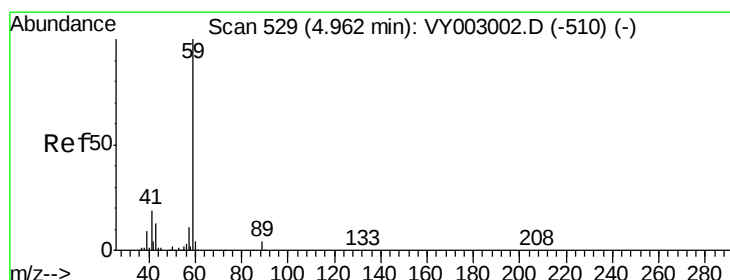
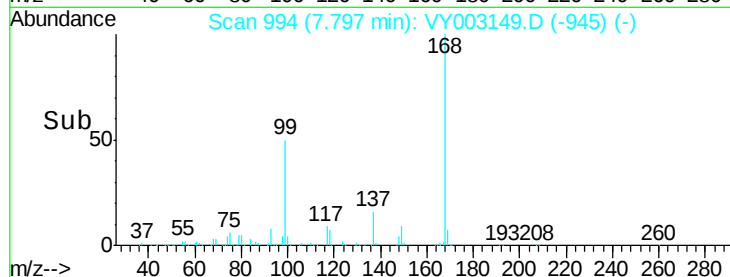
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 6.120 ug/l

RT: 4.96 min Scan# 529

Delta R.T. 0.00 min

Lab File: VY003149.D

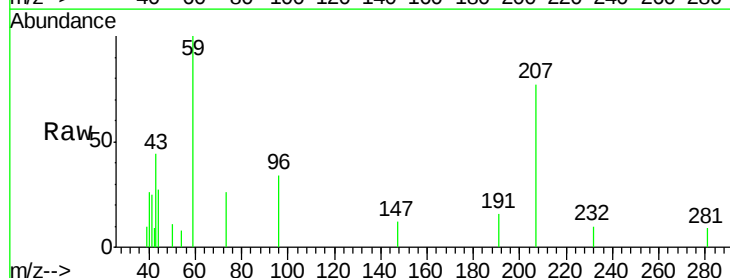
Acq: 09 Jul 2020 17:21

Tgt Ion: 59 Resp: 1880

Ion Ratio Lower Upper

59 100

57 3.5 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VY003149.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003149.D (-480) (-)

4.96

800

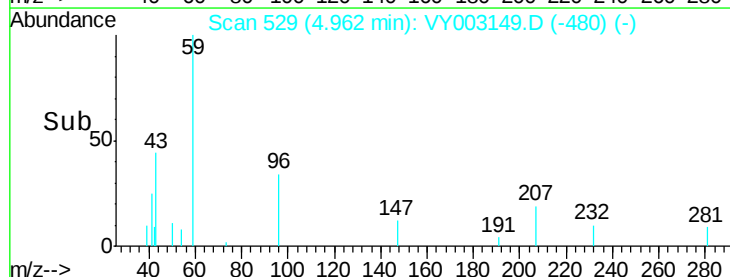
600

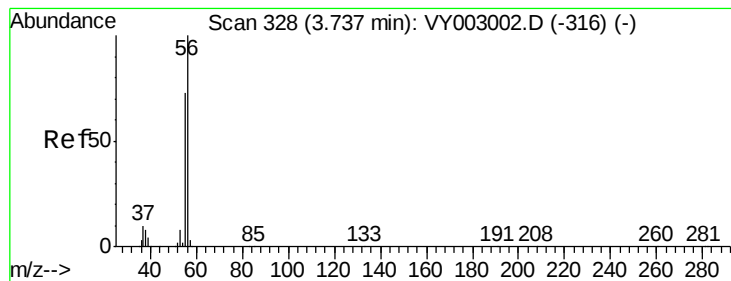
400

200

0

Time-->





#13

Acrolein

Concen: 2.678 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

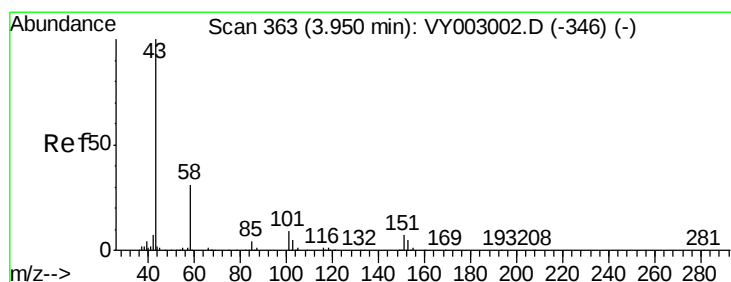
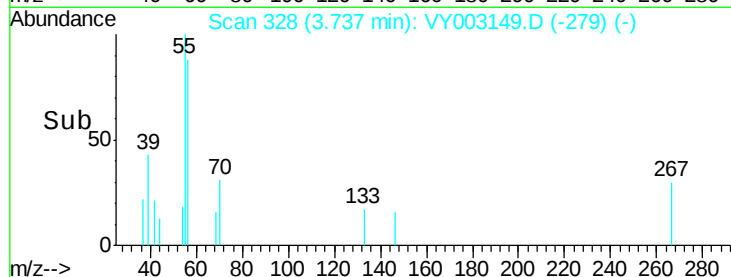
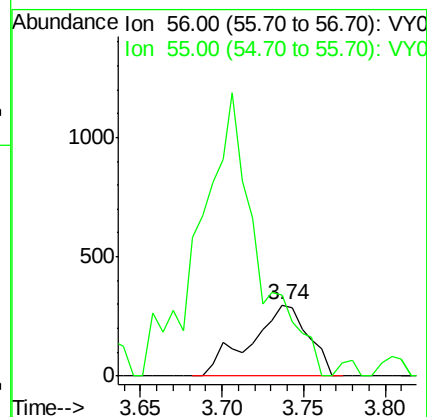
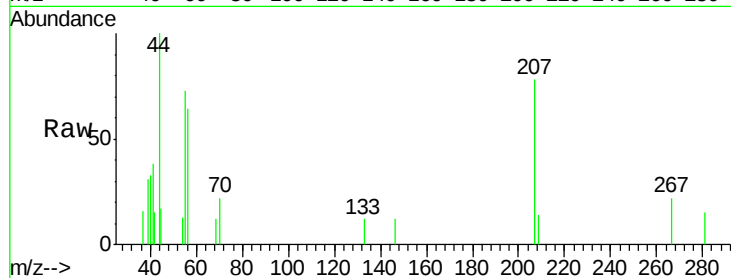
CHRT-31

Tot Ion: 56 Resp: 739

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 31.168 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003149.D

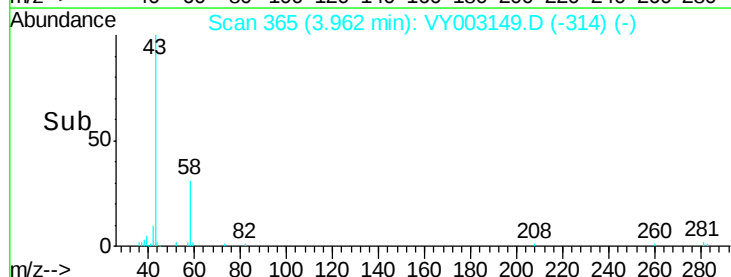
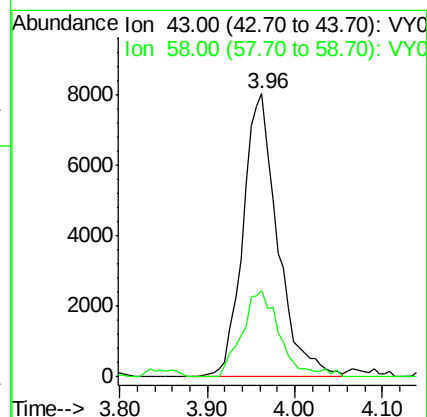
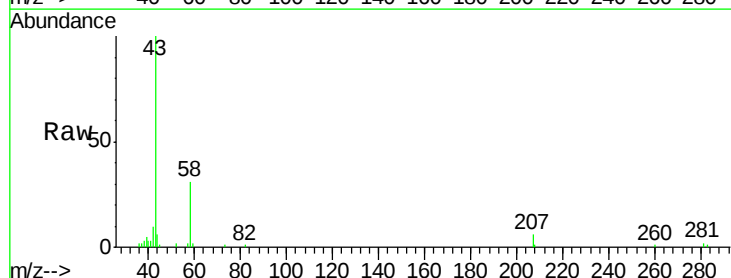
Acq: 09 Jul 2020 17:21

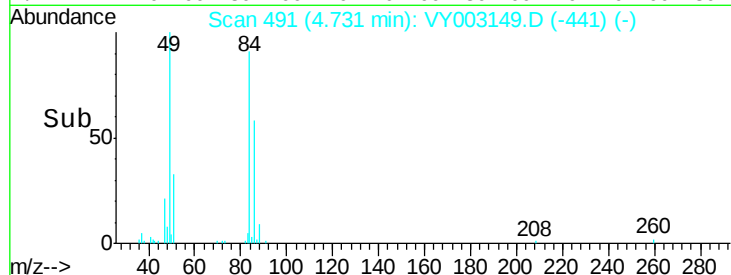
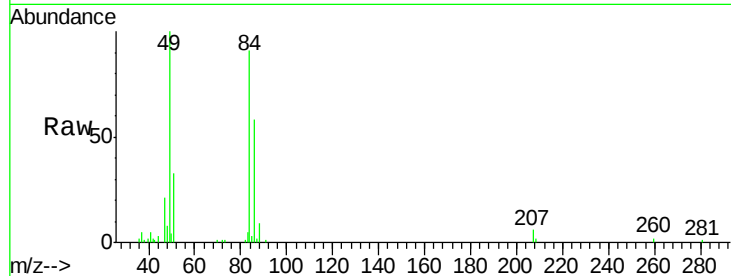
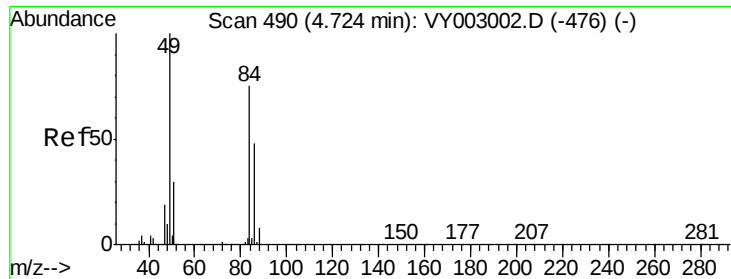
Tgt Ion: 43 Resp: 22158

Ion Ratio Lower Upper

43 100

58 30.6 24.7 37.1

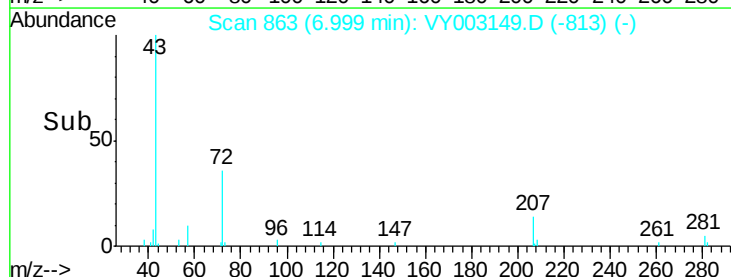
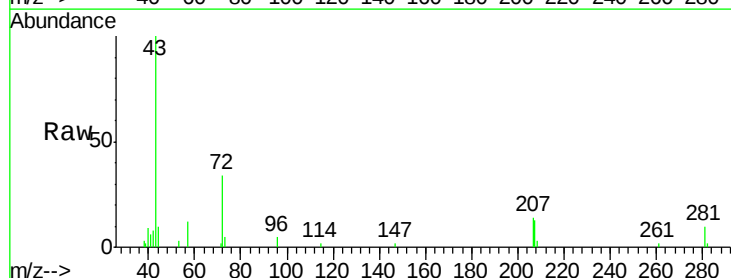
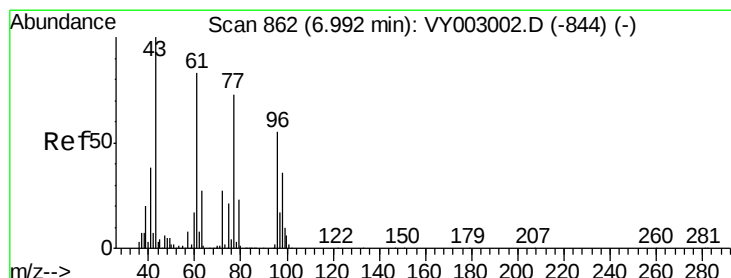
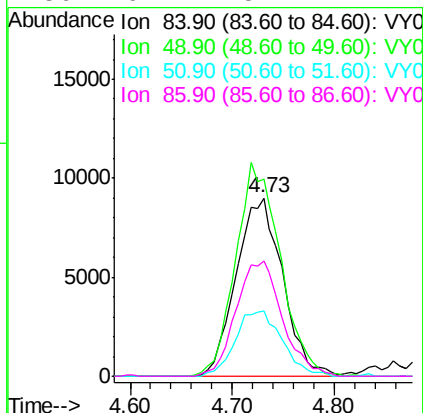




#20
Methvlene Chloride
Concen: 2.315 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003149.D
Acq: 09 Jul 2020 17:21

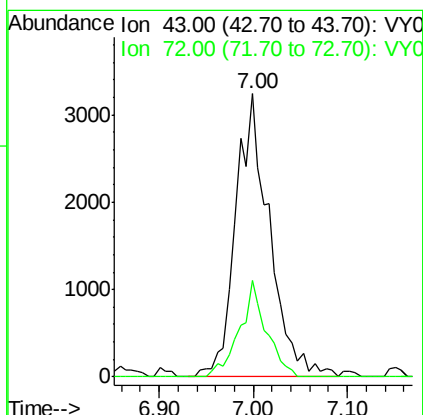
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-31

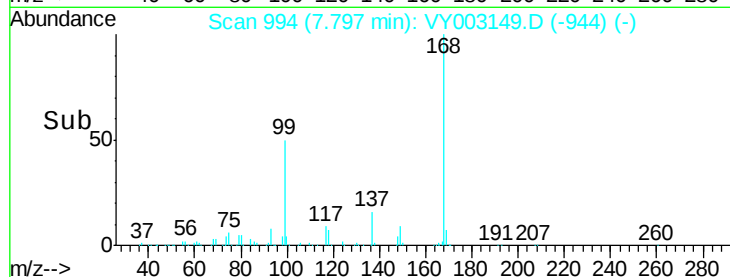
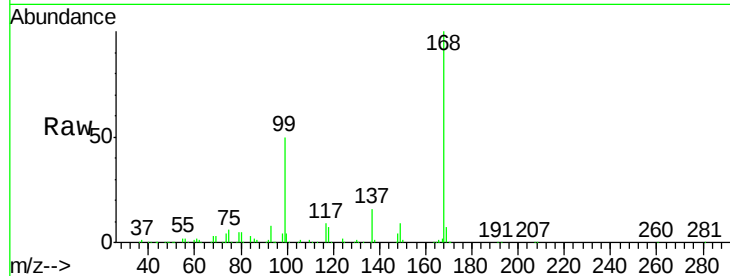
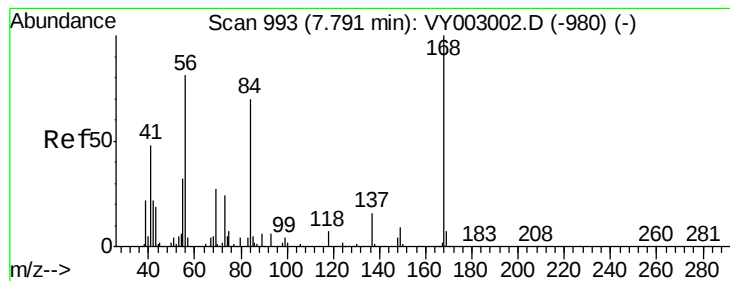
Tot Ion:	84	Resp:	28435
Ion	Ratio	Lower	Upper
84	100		
49	110.5	106.8	160.2
51	36.8	32.0	48.0
86	64.4	51.4	77.2



#25
2-Butanone
Concen: 7.181 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.01 min
Lab File: VY003149.D
Acq: 09 Jul 2020 17:21

Tgt Ion:	43	Resp:	8110
Ion	Ratio	Lower	Upper
43	100		
72	34.2	21.4	32.0#





#31

Cyclohexane

Concen: 1.022 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31

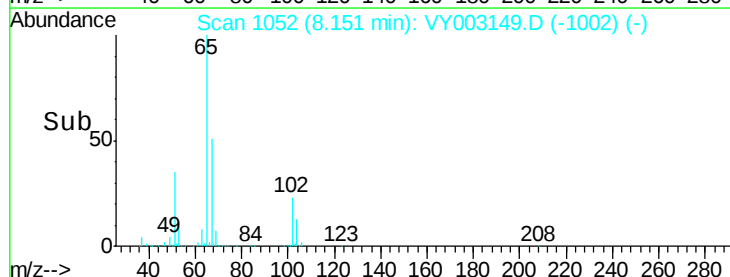
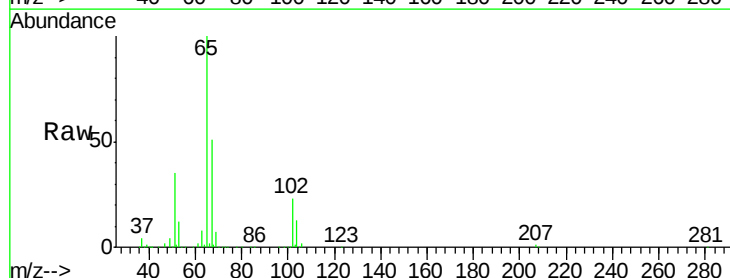
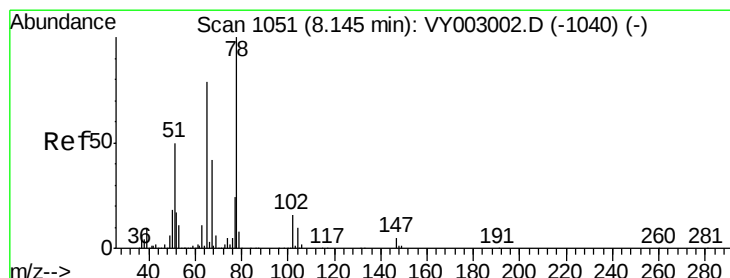
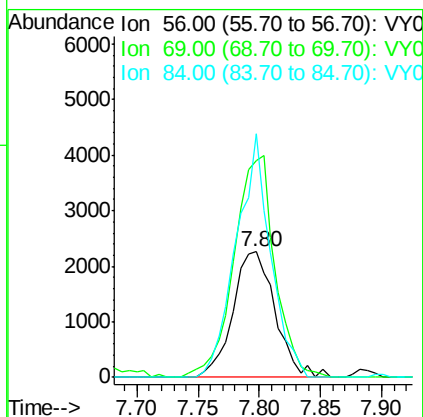
Tot Ion: 56 Resp: 5419

Ion Ratio Lower Upper

56 100

69 173.4 27.0 40.4#

84 194.2 68.1 102.1#



#33

1,2-Dichloroethane-d4

Concen: 53.288 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003149.D

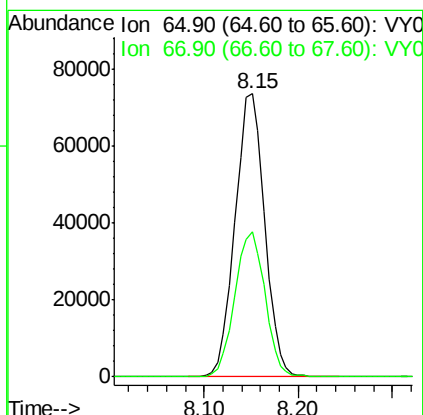
Acq: 09 Jul 2020 17:21

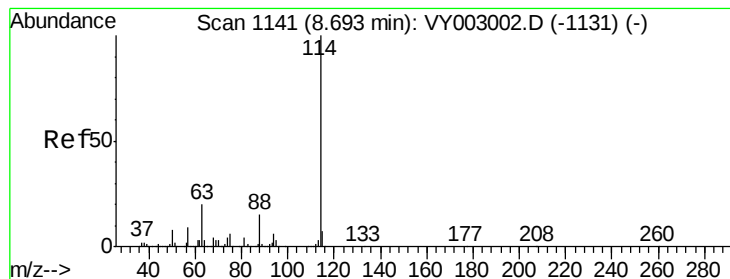
Tgt Ion: 65 Resp: 160627

Ion Ratio Lower Upper

65 100

67 52.2 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: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31

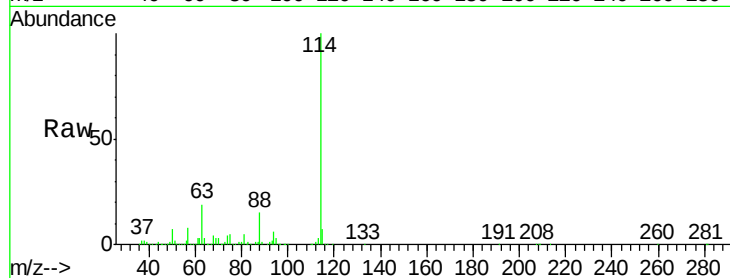
Tot Ion:114 Resp: 482638

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.6

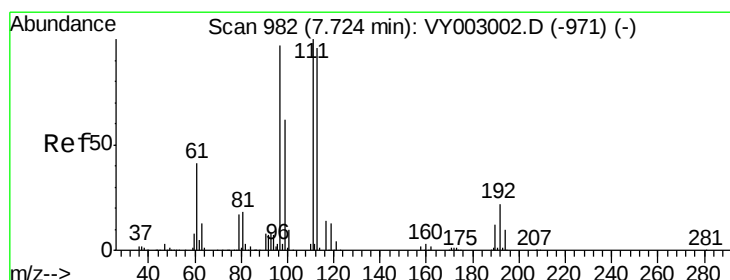
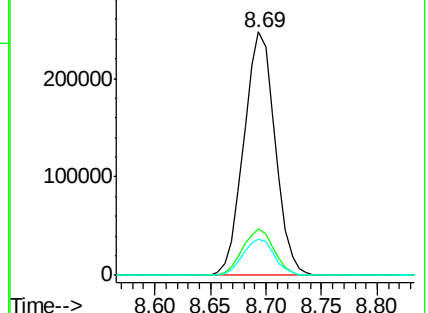
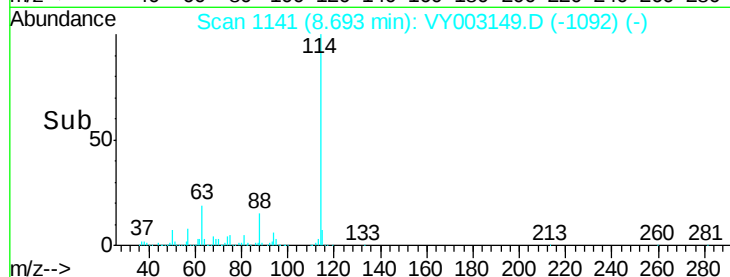
88 14.7 0.0 30.0



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: 52.629 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

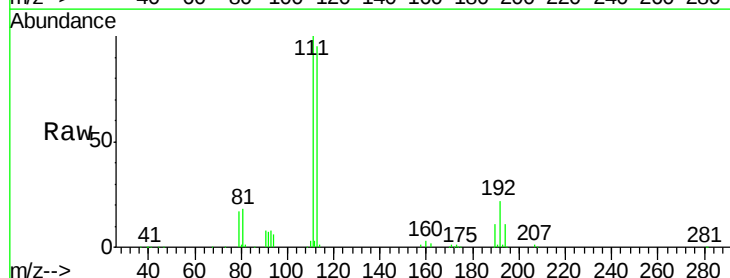
Tgt Ion:113 Resp: 158455

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

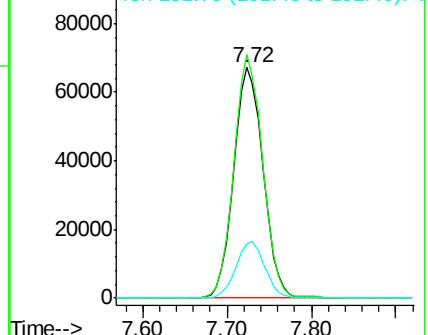
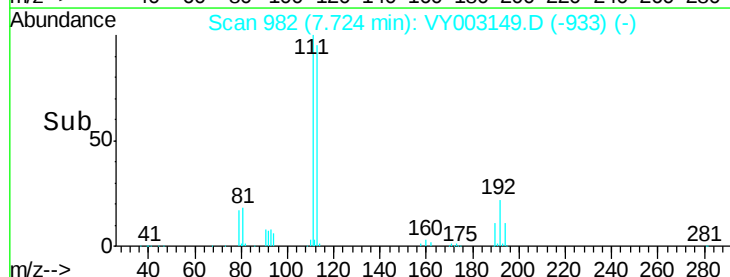
192 24.0 18.1 27.1

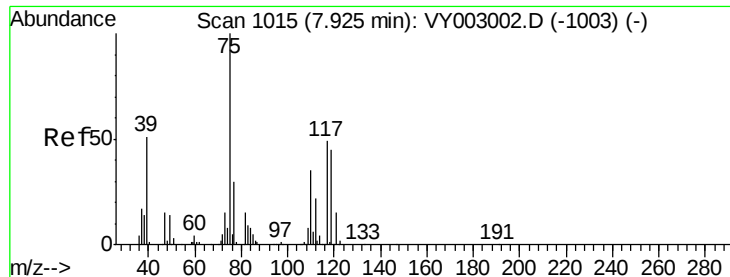


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.363 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

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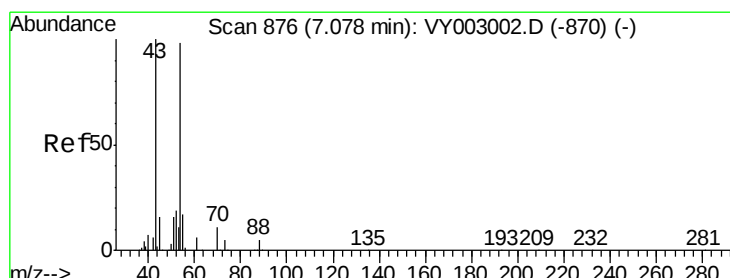
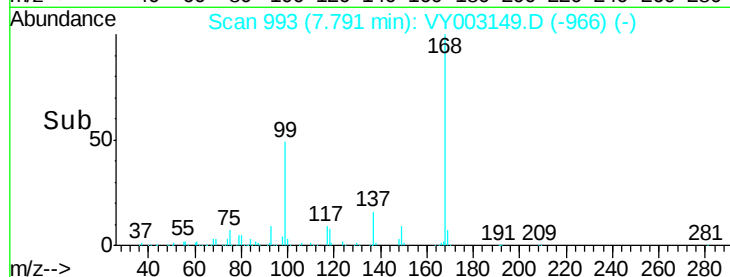
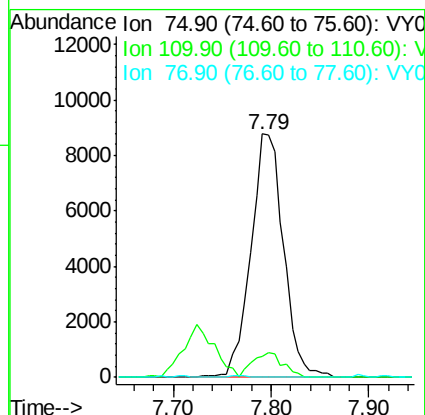
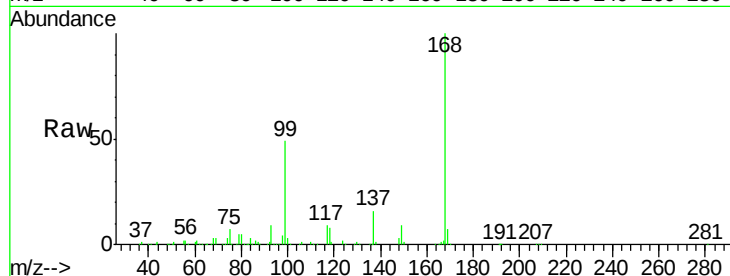
Tot Ion: 75 Resp: 20282

Ion Ratio Lower Upper

75 100

110 9.6 17.1 51.2#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 2.901 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.08 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

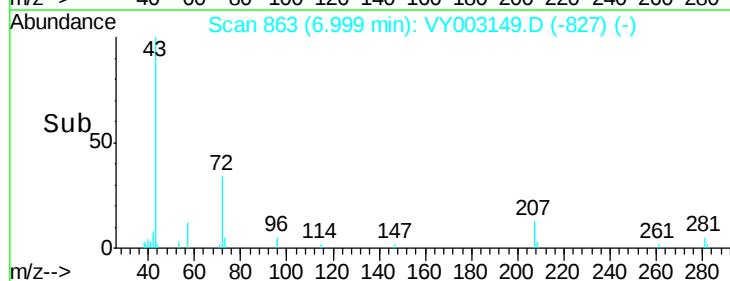
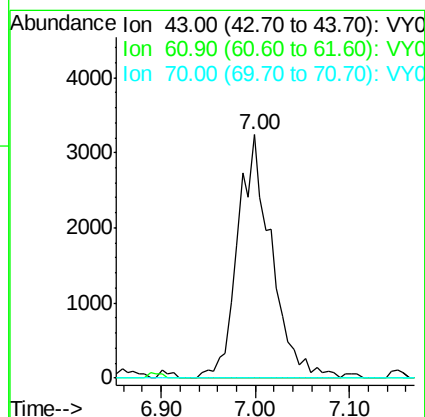
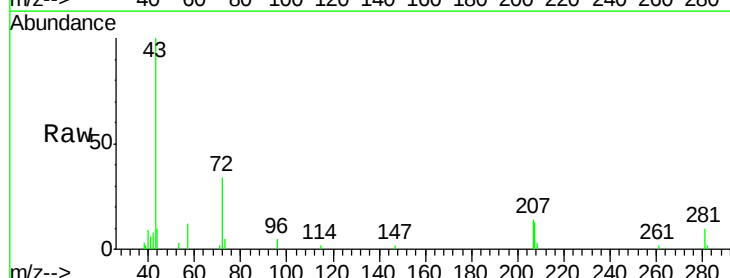
Tgt Ion: 43 Resp: 8110

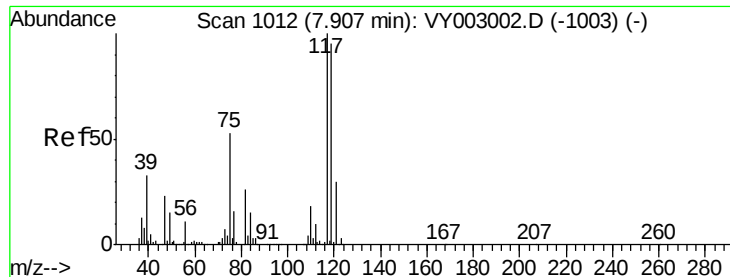
Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

70 0.0 7.7 11.5#





#38

Carbon Tetrachloride

Concen: 5.837 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

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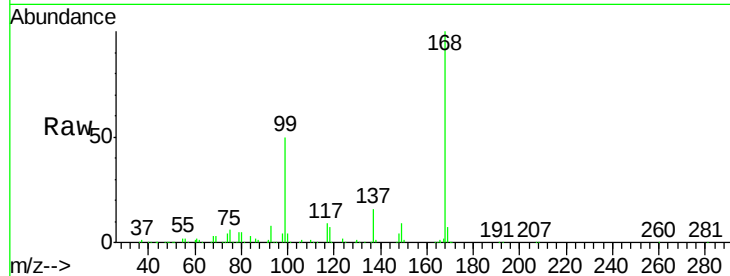
Tot Ion:117 Resp: 28231

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

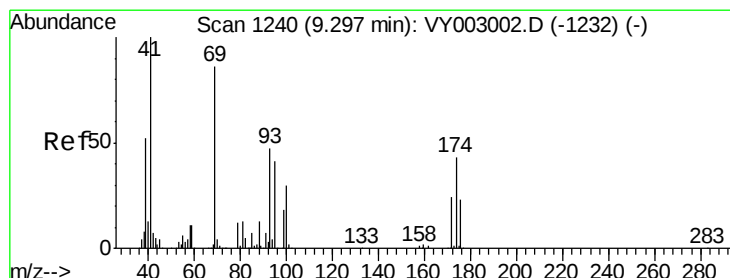
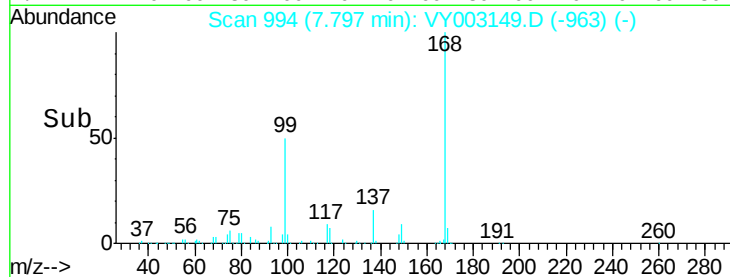
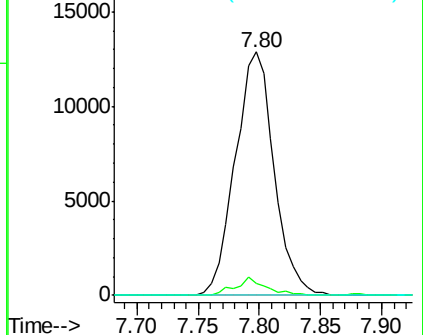
121 0.0 23.9 35.9#



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: 11.266 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

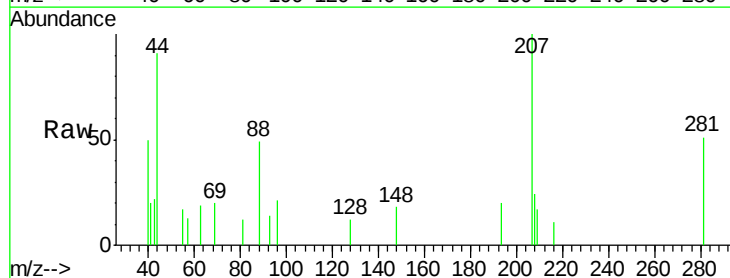
Tgt Ion: 88 Resp: 263

Ion Ratio Lower Upper

88 100

43 102.3 28.6 42.8#

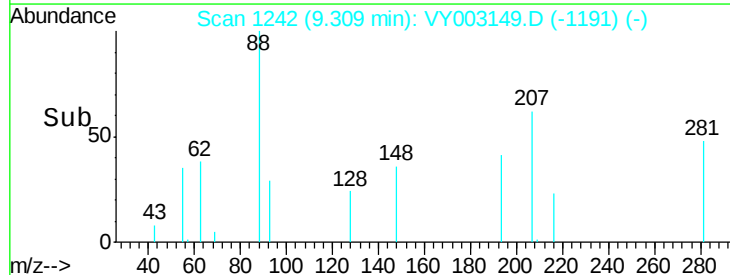
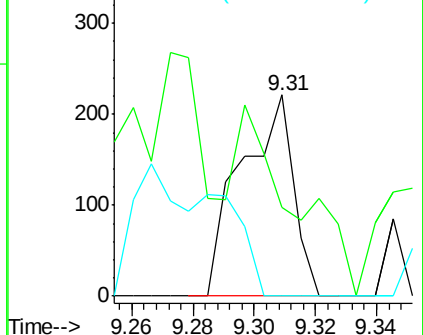
58 0.0 56.7 85.1#

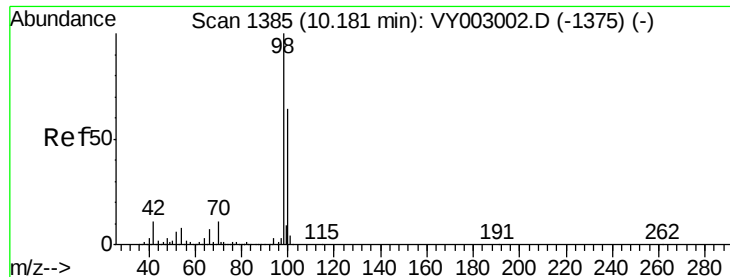


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.471 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

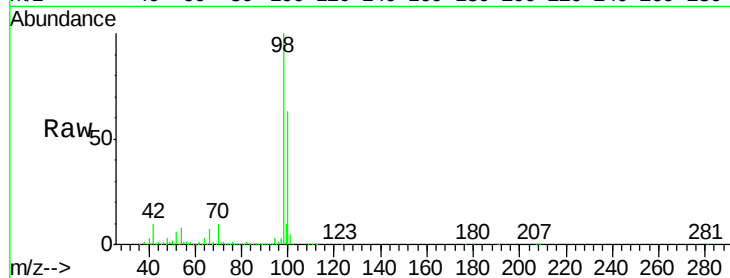
CHRT-31

Tot Ion: 98 Resp: 566108

Ion Ratio Lower Upper

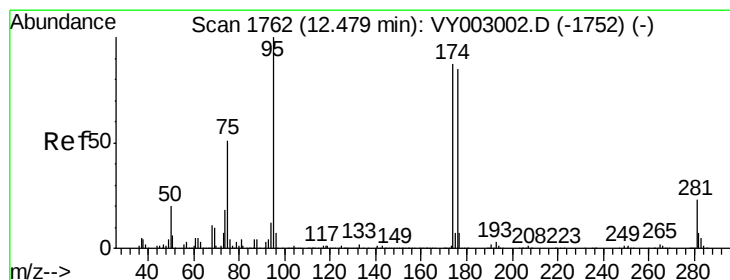
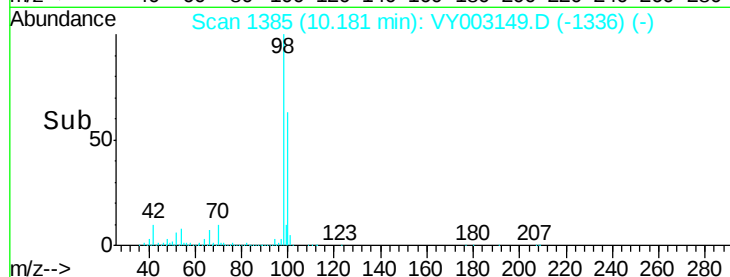
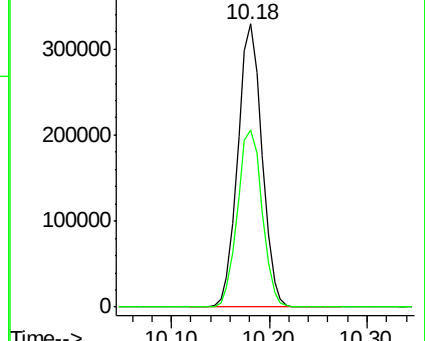
98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 40.791 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

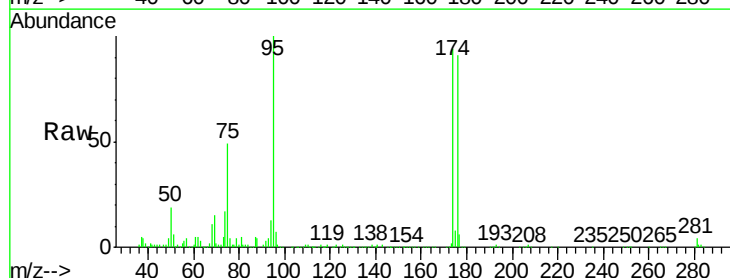
Tgt Ion: 95 Resp: 161050

Ion Ratio Lower Upper

95 100

174 95.7 0.0 184.8

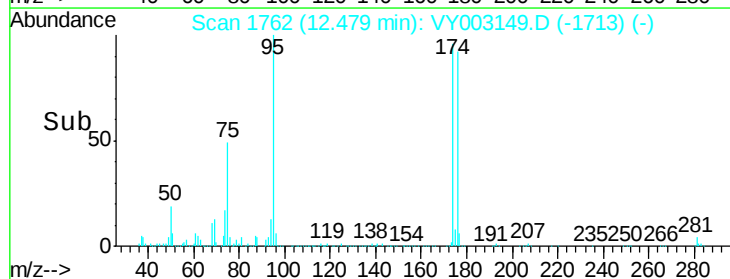
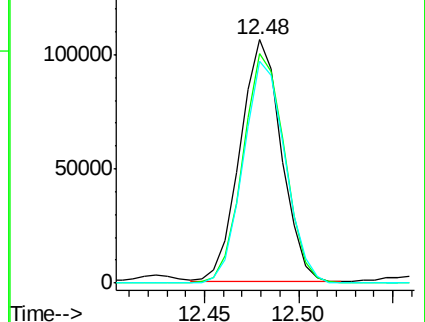
176 93.3 0.0 183.0

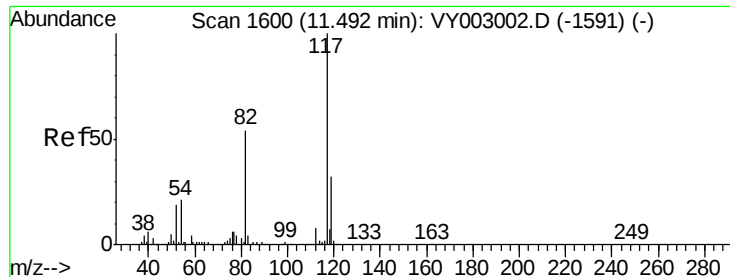


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

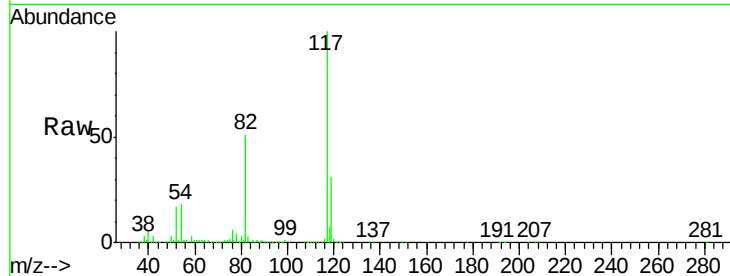




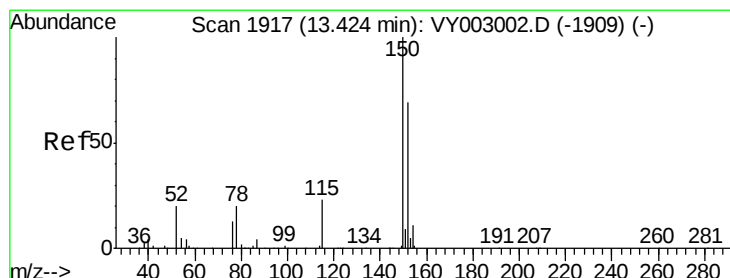
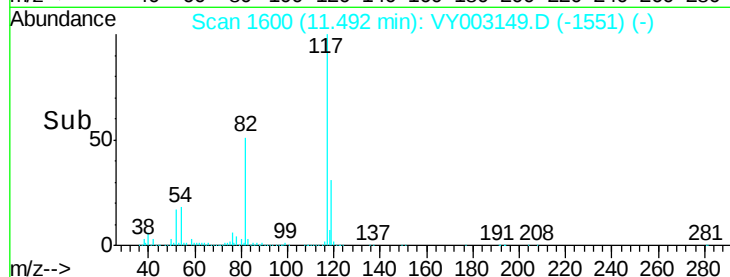
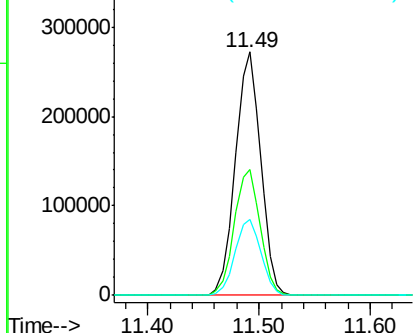
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003149.D
Acq: 09 Jul 2020 17:21

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-31

Tot Ion:117 Resp: 427882
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.6
119 31.1 25.8 38.8

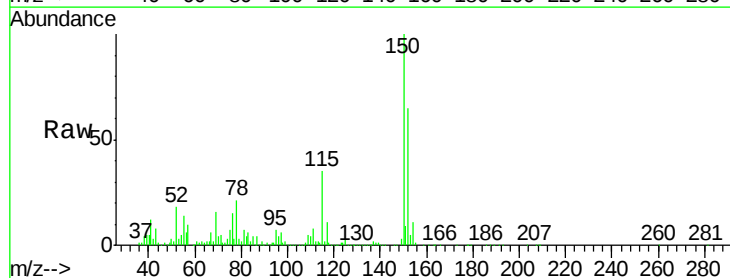


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

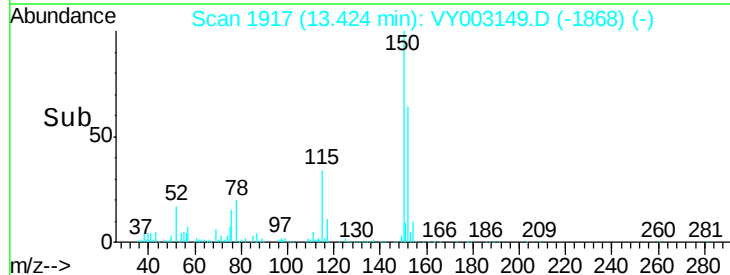
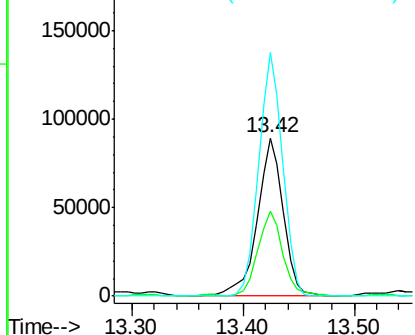


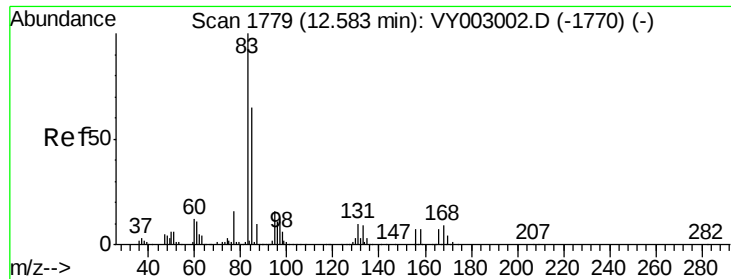
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003149.D
Acq: 09 Jul 2020 17:21

Tgt Ion:152 Resp: 143732
Ion Ratio Lower Upper
152 100
115 51.4 27.3 81.9
150 143.4 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





#75

1,1,2,2-Tetrachloroethane

Concen: 1.474 ug/l

RT: 12.54 min Scan# 1772

Delta R.T. -0.04 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31

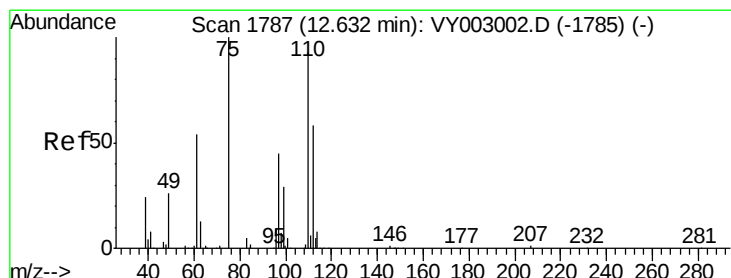
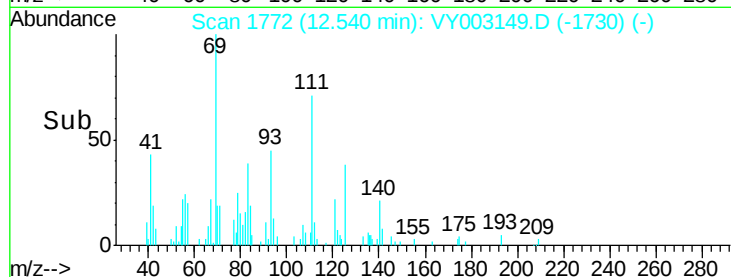
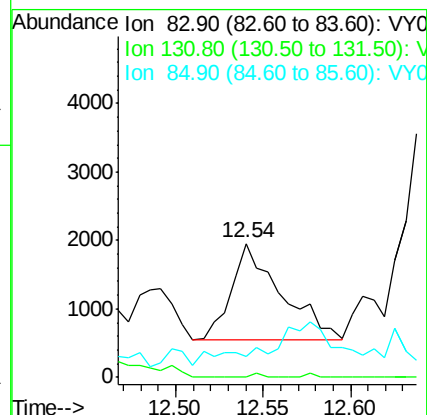
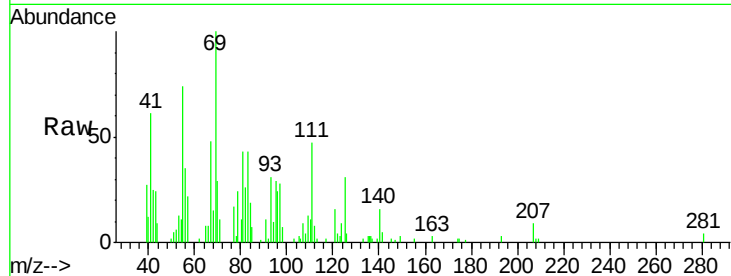
Tot Ion: 83 Resp: 2798

Ion Ratio Lower Upper

83 100

131 0.7 5.3 16.1#

85 0.0 32.1 96.3#



#76

1,2,3-Trichloropropane

Concen: 57.660 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003149.D

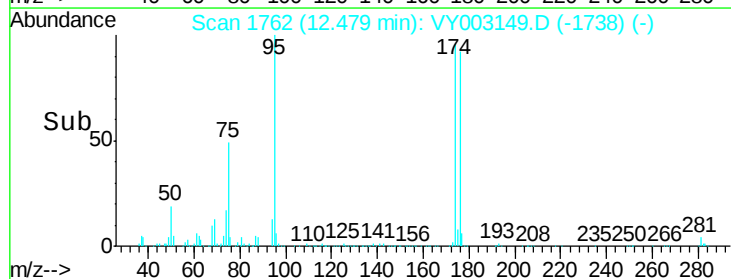
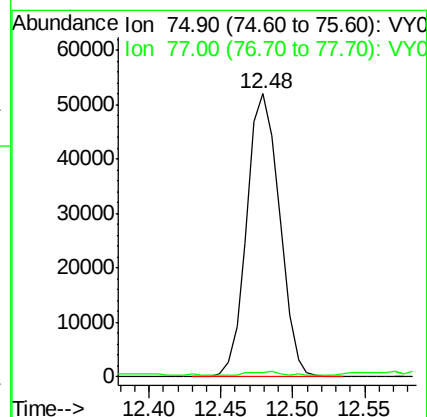
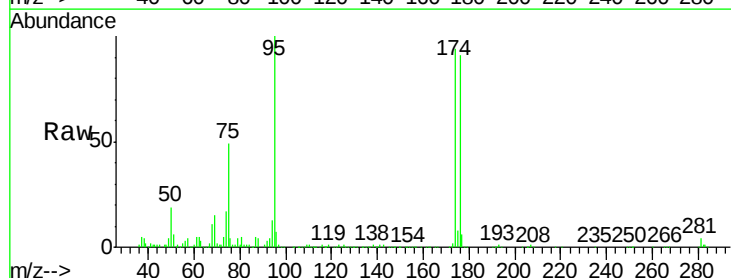
Acq: 09 Jul 2020 17:21

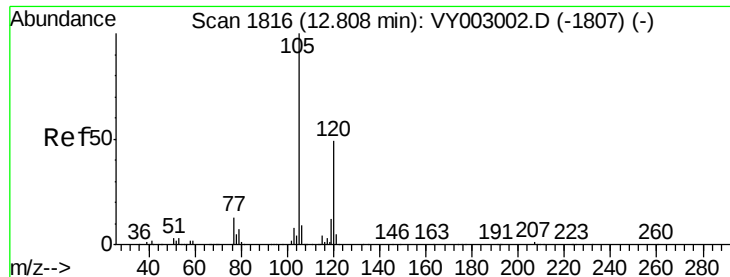
Tgt Ion: 75 Resp: 82022

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 1.380 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

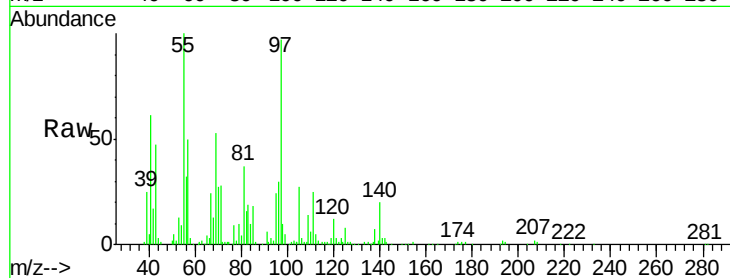
CHRT-31

Tot Ion:105 Resp: 10892

Ion Ratio Lower Upper

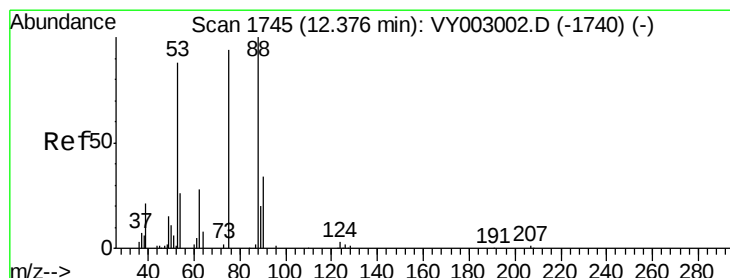
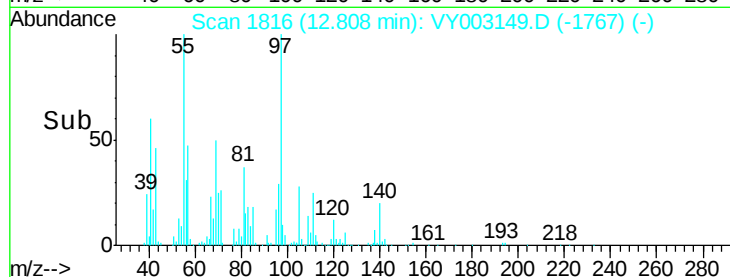
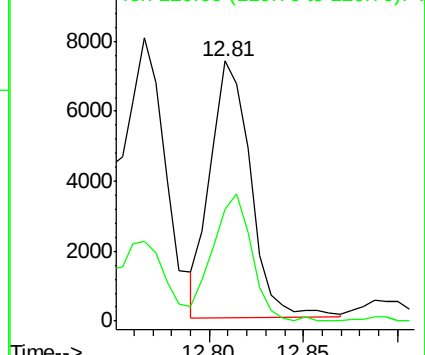
105 100

120 47.4 24.6 73.6



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: 112.183 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

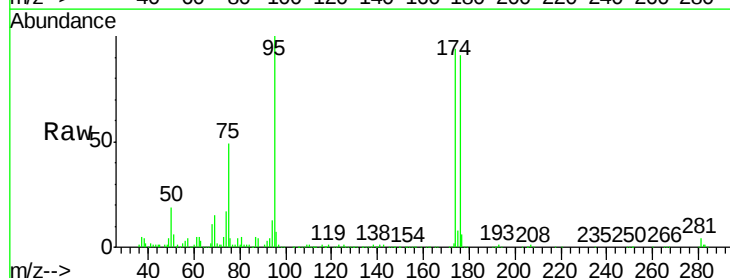
Tgt Ion: 75 Resp: 82022

Ion Ratio Lower Upper

75 100

53 1.5 73.9 110.9#

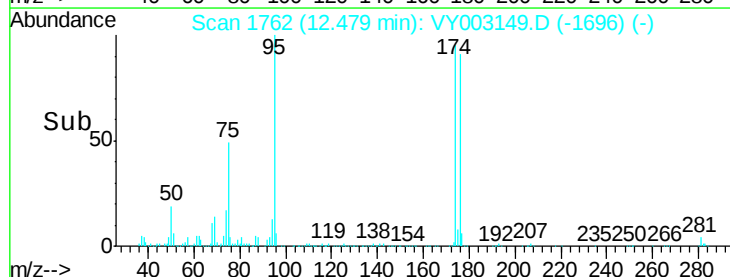
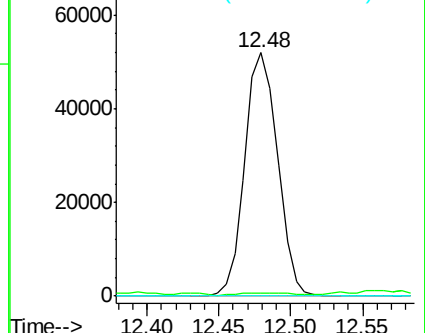
89 0.1 37.5 56.3#

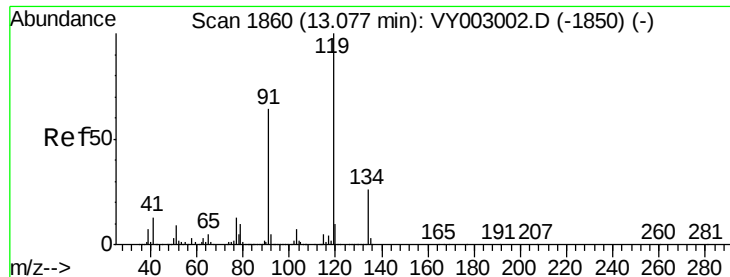


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#83

tert-Butylbenzene

Concen: 2.280 ug/l

RT: 13.31 min Scan# 1899

Delta R.T. 0.24 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31

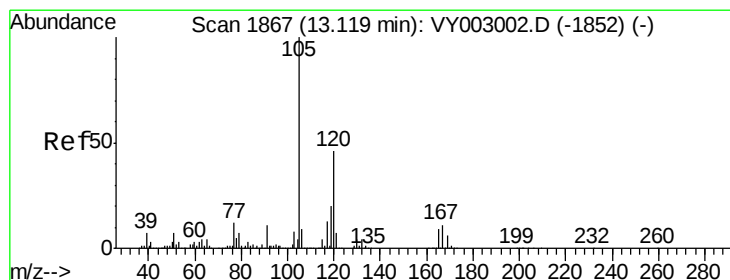
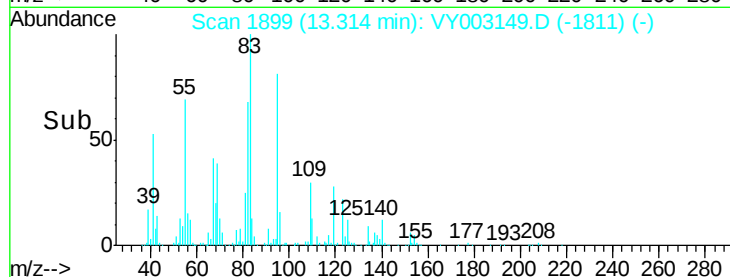
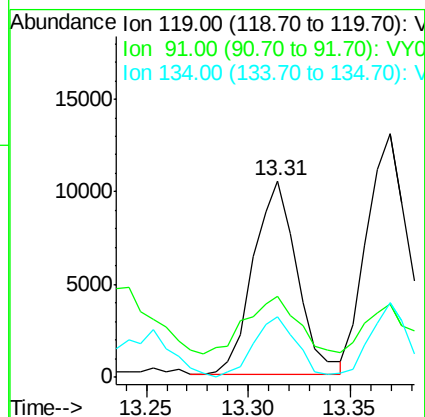
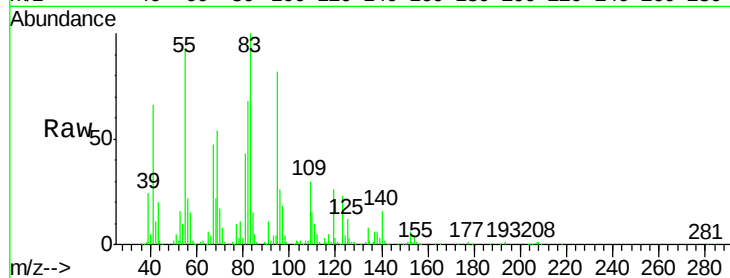
Tot Ion:119 Resp: 15802

Ion Ratio Lower Upper

119 100

91 34.2 31.6 95.0

134 30.2 13.2 39.5



#84

1,2,4-Trimethylbenzene

Concen: 4.887 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY003149.D

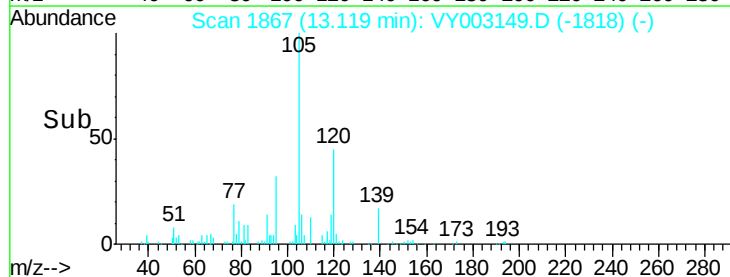
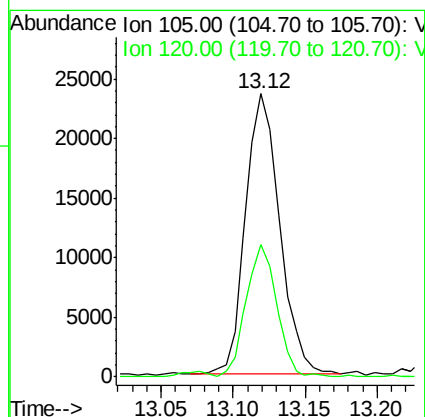
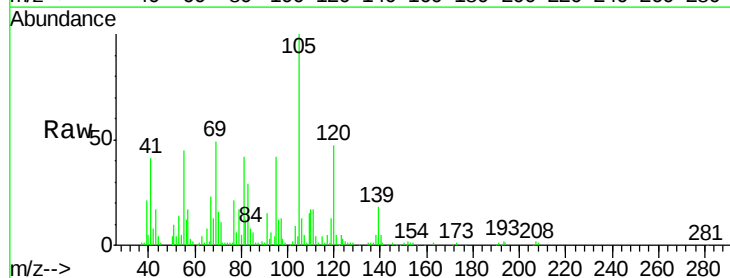
Acq: 09 Jul 2020 17:21

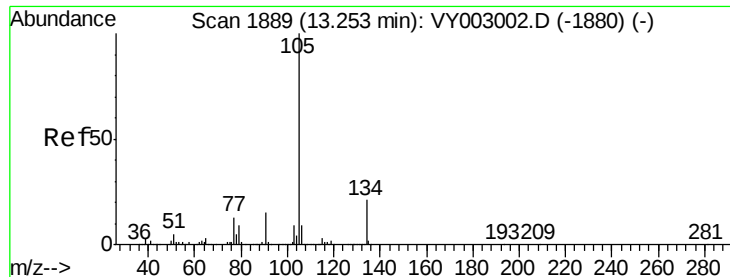
Tgt Ion:105 Resp: 38874

Ion Ratio Lower Upper

105 100

120 42.1 22.6 67.8





#85

sec-Butylbenzene

Concen: 1.606 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampled :

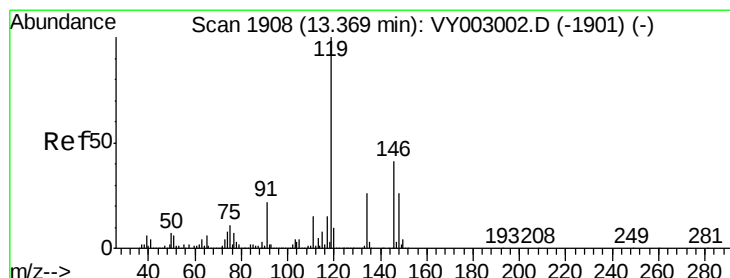
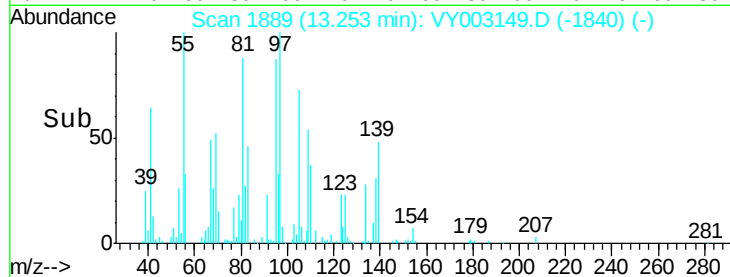
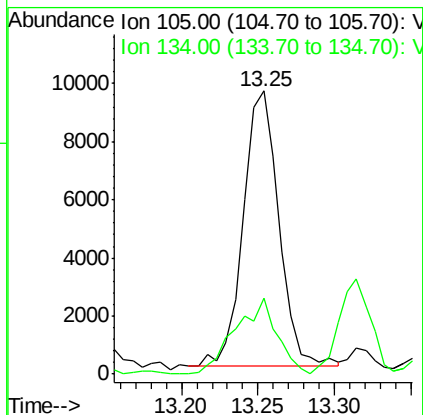
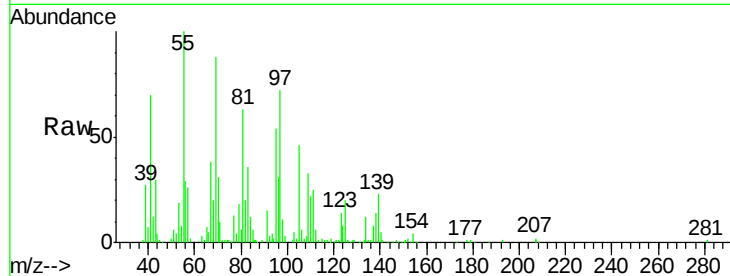
CHRT-31

Tot Ion:105 Resp: 15347

Ion Ratio Lower Upper

105 100

134 32.3 10.4 31.2#



#86

p-Isopropyltoluene

Concen: 2.088 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

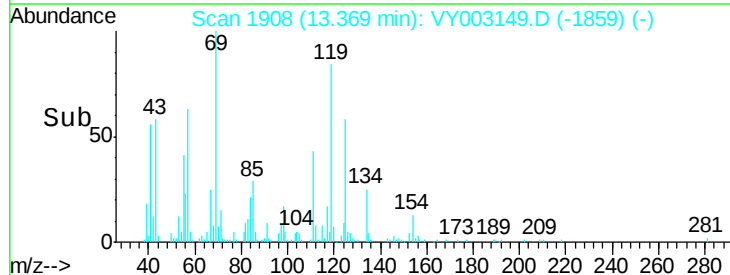
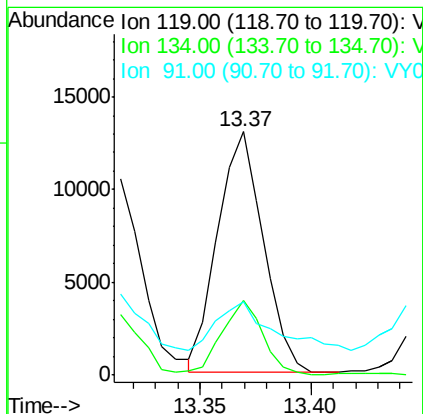
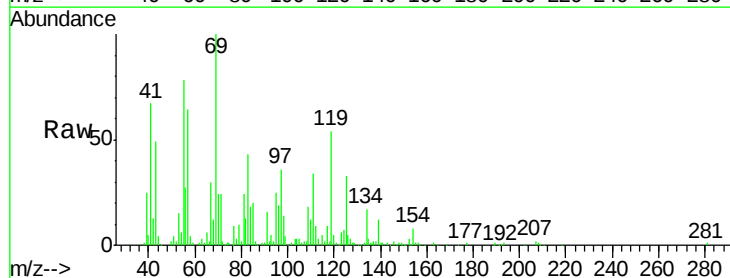
Tgt Ion:119 Resp: 18485

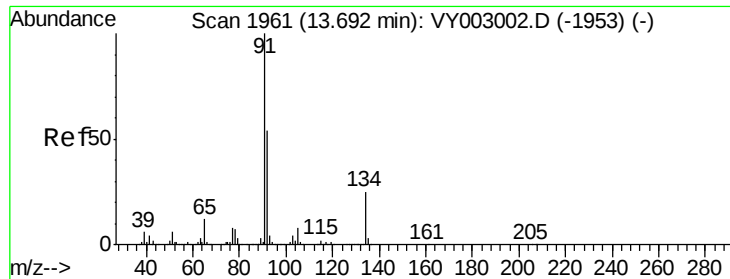
Ion Ratio Lower Upper

119 100

134 28.5 13.5 40.4

91 24.6 11.5 34.5

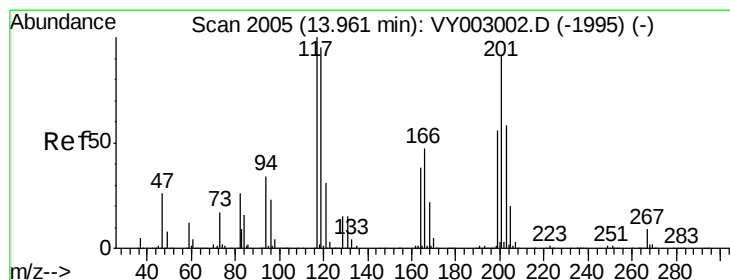
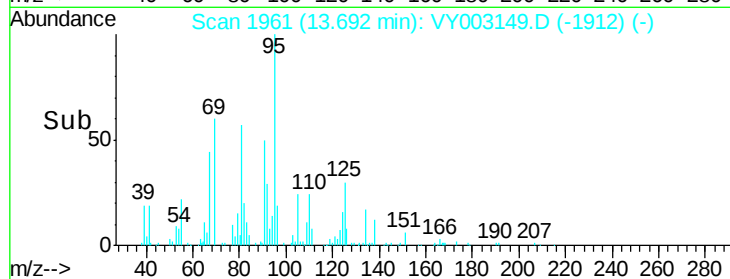
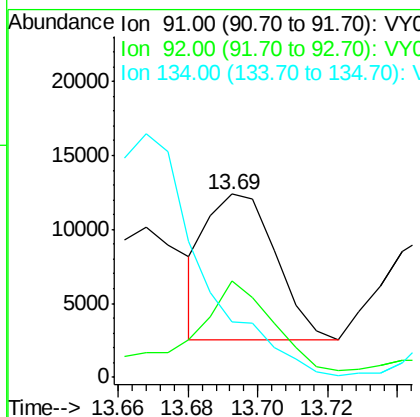
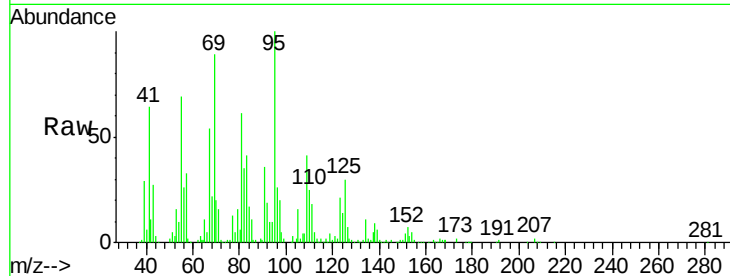




#89
n-Butylbenzene
Concen: 1.580 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY003149.D
Acq: 09 Jul 2020 17:21

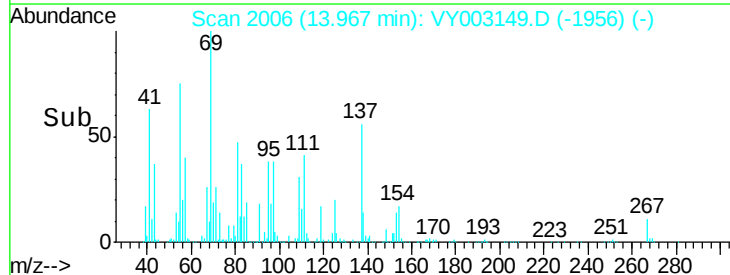
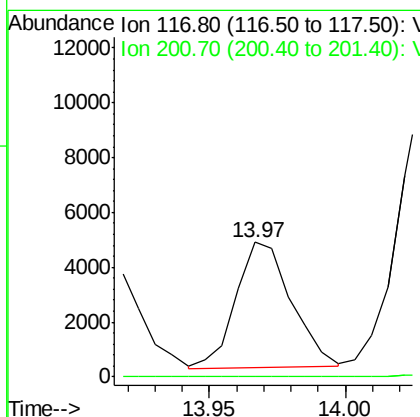
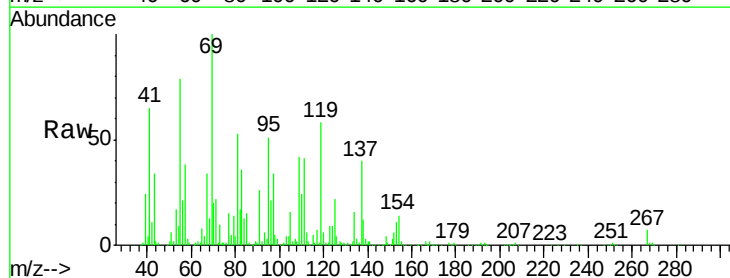
Instrument :
MSVOA_Y
ClientSampled :
CHRT-31

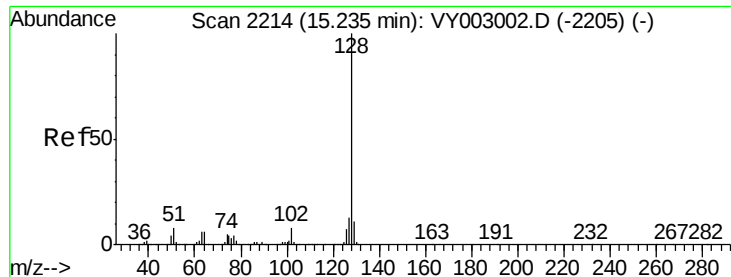
Tot Ion: 91 Resp: 13384
Ion Ratio Lower Upper
91 100
92 69.1 26.8 80.3
134 0.0 13.1 39.1#



#90
Hexachloroethane
Concen: 3.694 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.01 min
Lab File: VY003149.D
Acq: 09 Jul 2020 17:21

Tgt Ion: 117 Resp: 6493
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.4#





#95

Naphthalene

Concen: 2.888 ug/l

RT: 15.20 min Scan# 2208

Delta R.T. -0.04 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Instrument :

MSVOA_Y

ClientSampleId :

CHRT-31

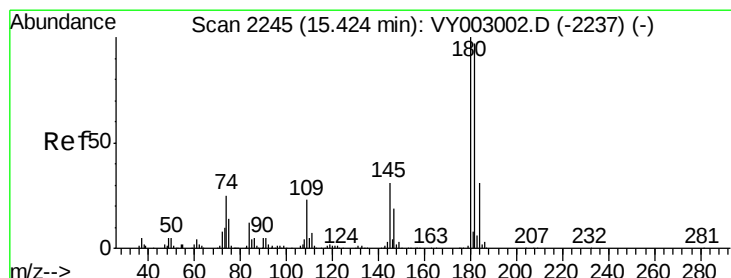
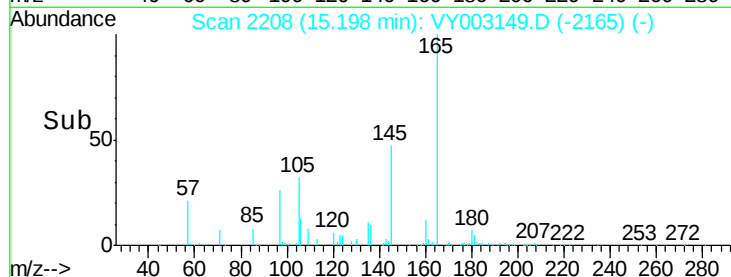
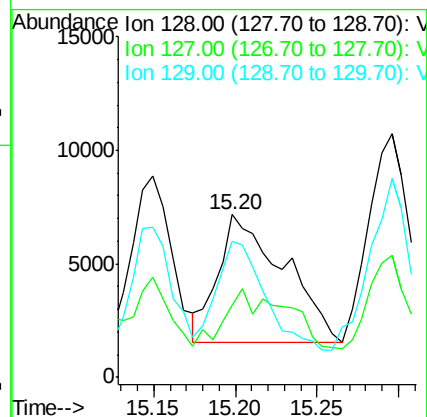
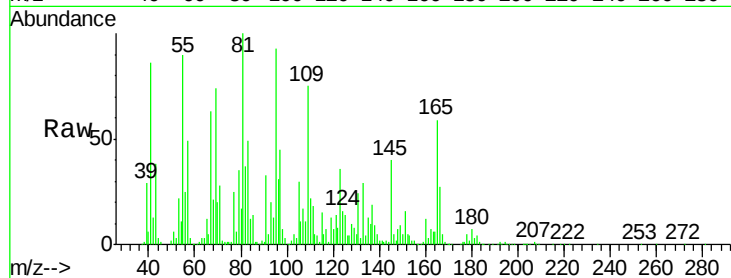
Tot Ion:128 Resp: 15835

Ion Ratio Lower Upper

128 100

127 18.2 10.8 16.2#

129 63.0 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 6.944 ug/l

RT: 15.39 min Scan# 2240

Delta R.T. -0.03 min

Lab File: VY003149.D

Acq: 09 Jul 2020 17:21

Tgt Ion:180 Resp: 18100

Ion Ratio Lower Upper

180 100

182 11.2 47.8 143.3#

145 583.5 14.7 44.1#

