

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070620\
 Data File : VY003111.D
 Acq On : 06 Jul 2020 14:25
 Operator : SY/MD
 Sample : L3217-04
 Misc : 5.14G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-VAT

Quant Time: Jul 07 08:18:13 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	0.00	168	0	0.00	ug/l	-7.80
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-8.69
63) Chlorobenzene-d5	11.58	117	77401	50.00	ug/l	0.09
72) 1,4-Dichlorobenzene-d4	13.45	152	26701	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.25	65	83	0.00	ug/l	0.10
Spiked Amount			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount			Recovery	=	0.00%	
50) Toluene-d8	10.37	98	143211	0.00	ug/l	0.19
Spiked Amount			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	12.52	95	25184	0.00	ug/l	0.04
Spiked Amount			Recovery	=	0.00%	

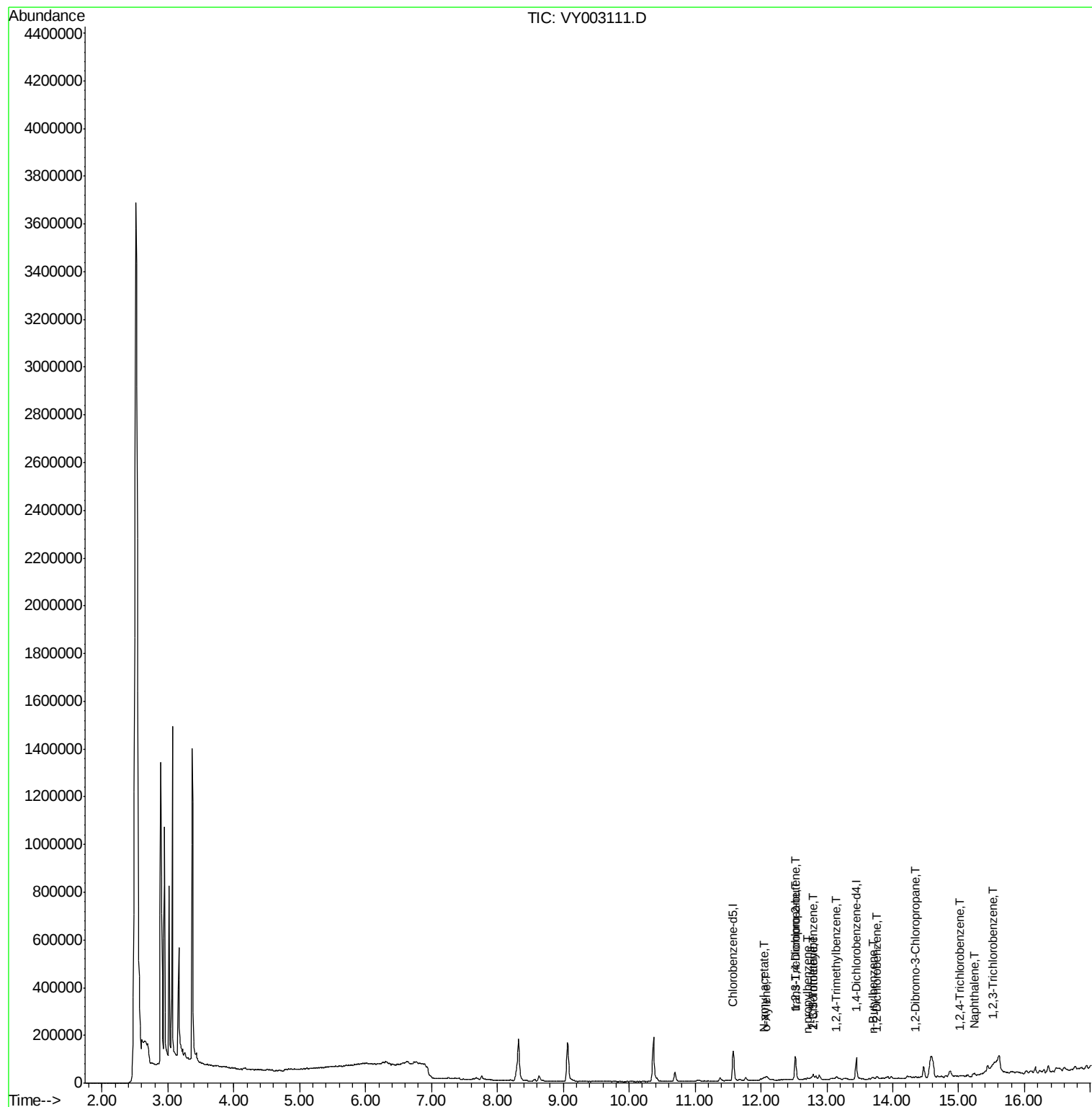
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
69) o-Xylene	12.08	106	1454	1.485	ug/l	58
74) N-amyl acetate	12.05	43	12446	21.878	ug/l #	44
76) 1,2,3-Trichloropropane	12.52	75	12796	48.422	ug/l #	100
78) n-propylbenzene	12.70	91	2610	1.242	ug/l	91
79) 2-Chlorotoluene	12.79	91	10540	8.985	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	1714	1.169	ug/l	74
81) trans-1,4-Dichloro-2-buten	12.52	75	12796	94.210	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.14	105	5775	3.908	ug/l	96
89) n-Butylbenzene	13.70	91	1956	1.243	ug/l	95
91) 1,2-Dichlorobenzene	13.75	146	753	1.003	ug/l #	60
92) 1,2-Dibromo-3-Chloropropan	14.35	75	140	2.243	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.01	180	1439	2.580	ug/l	87
95) Naphthalene	15.24	128	6909	6.783	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.51	180	487	1.006	ug/l	62

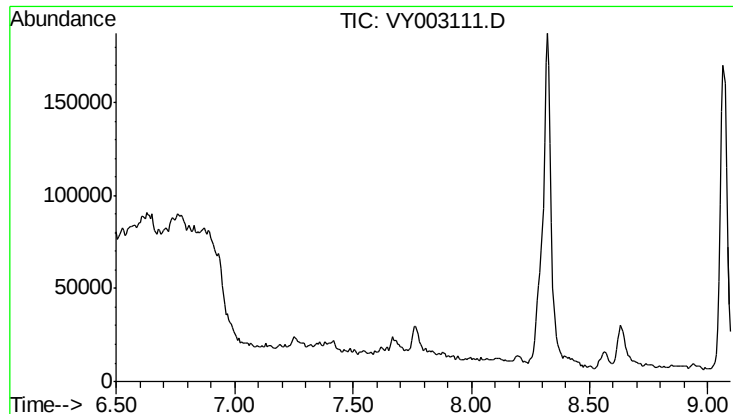
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 0.000 ug/l

Expected RT: 7.80 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

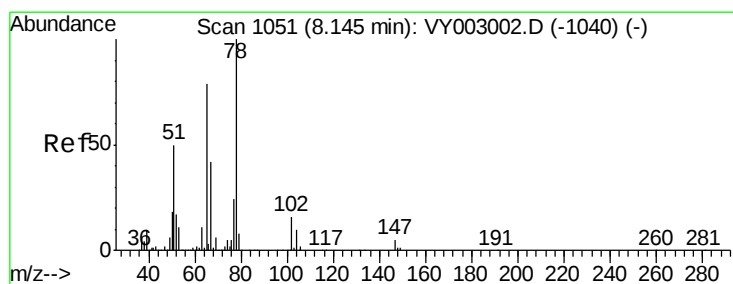
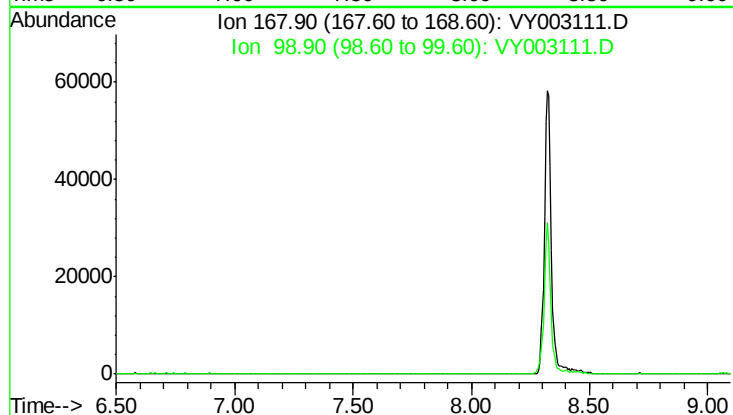
E3-41-VAT

Tot Ion: 168

Sig Exp Ratio

168 100

99 49.0



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.10 min

Lab File: VY003111.D

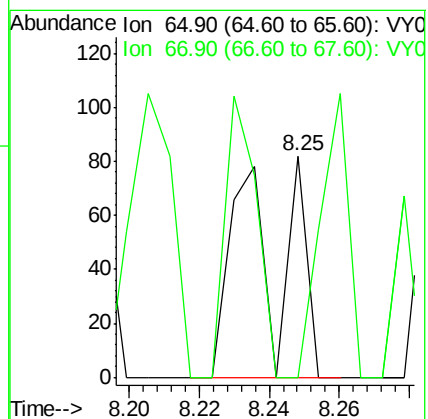
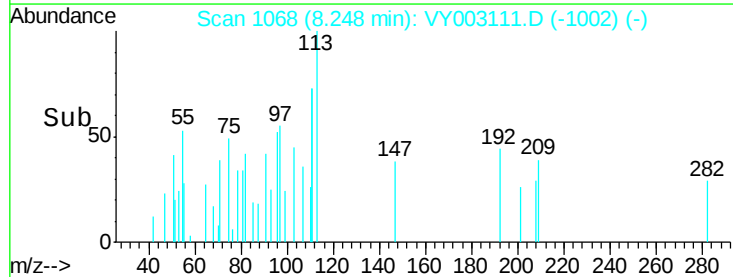
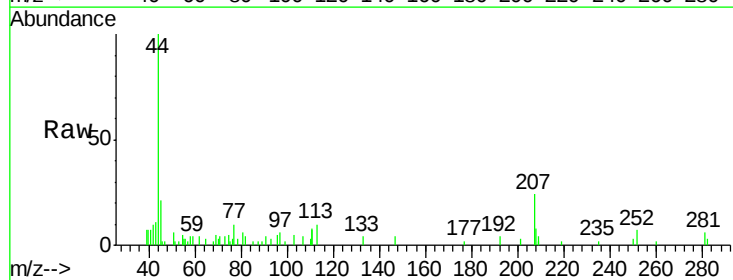
Acq: 06 Jul 2020 14:25

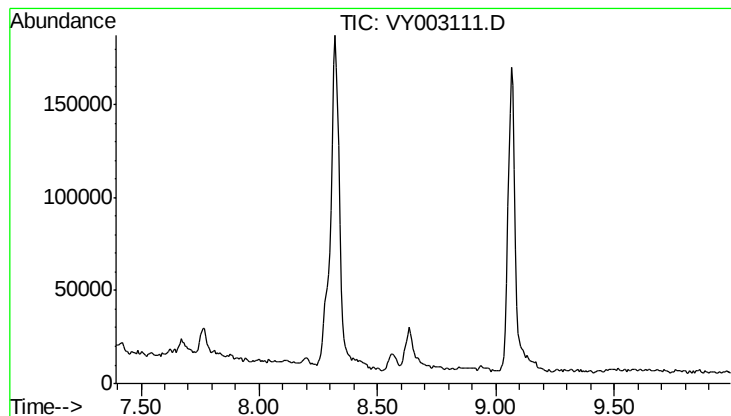
Tgt Ion: 65 Resp: 83

Ion Ratio Lower Upper

65 100

67 71.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 0.000 ug/l

Expected RT: 8.69 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-VAT

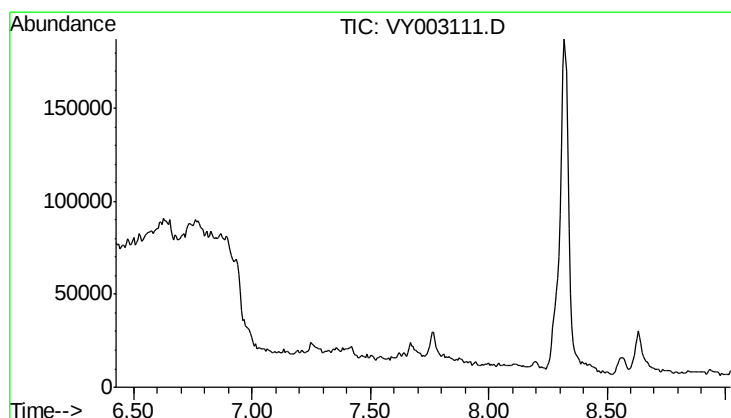
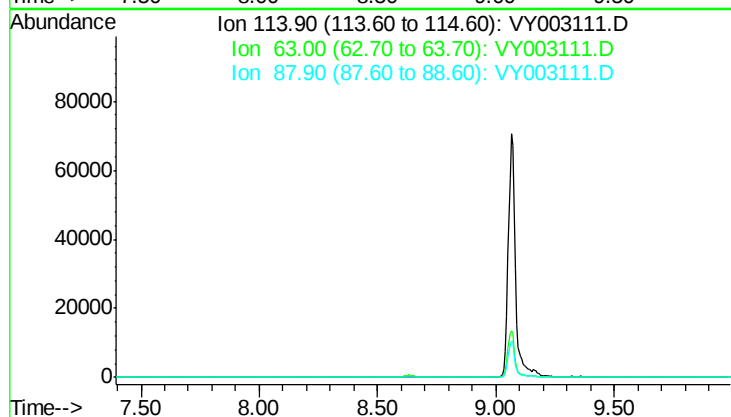
Tot Ion: 114

Sig Exp Ratio

114 100

63 20.3

88 15.0



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 7.72 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

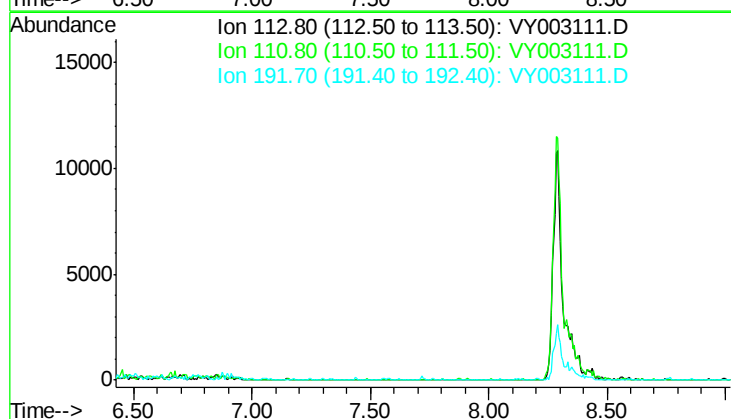
Tgt Ion: 113

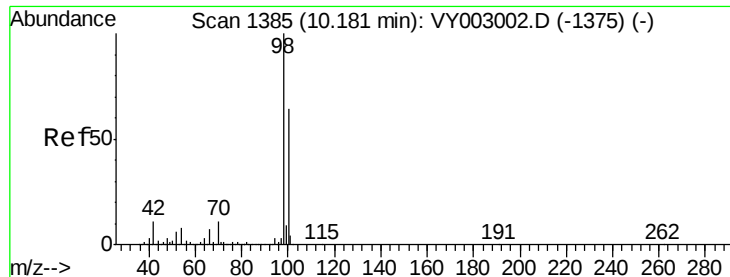
Sig Exp Ratio

113 100

111 103.2

192 22.6





#50

Toluene-d8

Concen: 0.000 ug/l

RT: 10.37 min Scan# 1416

Delta R.T. 0.19 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

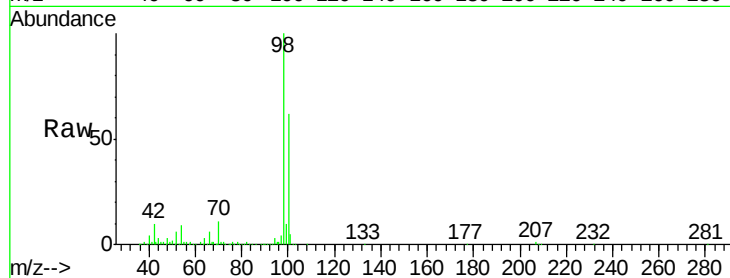
E3-41-VAT

Tot Ion: 98 Resp: 143211

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.37

80000

60000

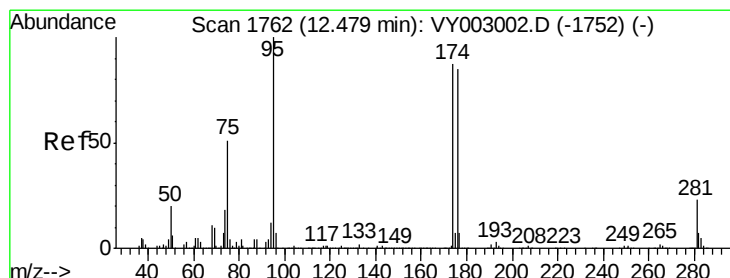
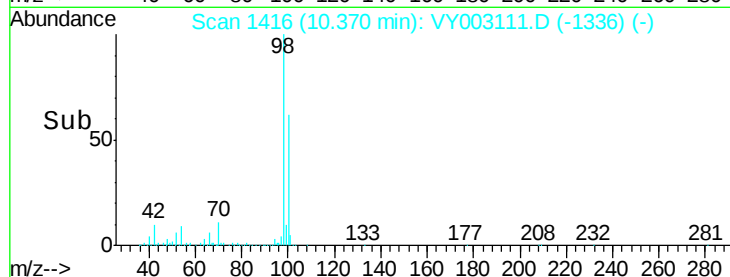
40000

20000

0

Time-->

10.30 10.40



#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

RT: 12.52 min Scan# 1769

Delta R.T. 0.04 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

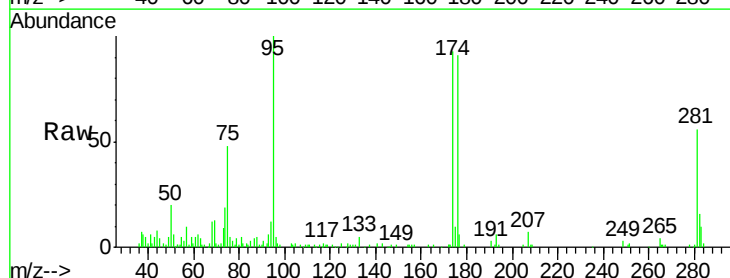
Tgt Ion: 95 Resp: 25184

Ion Ratio Lower Upper

95 100

174 97.5 0.0 184.8

176 94.5 0.0 183.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

20000

15000

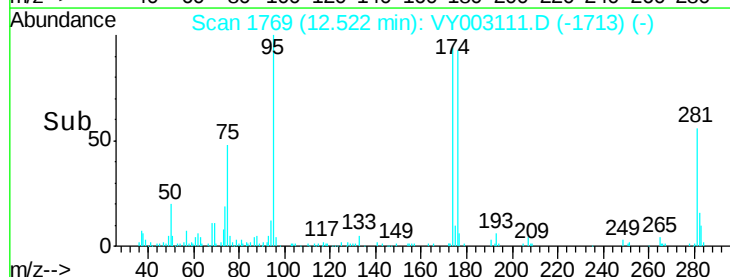
10000

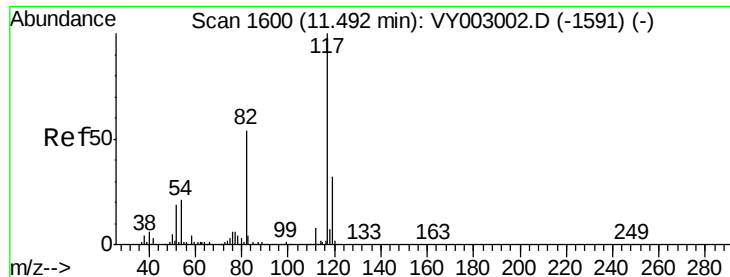
5000

0

Time-->

12.45 12.50 12.55

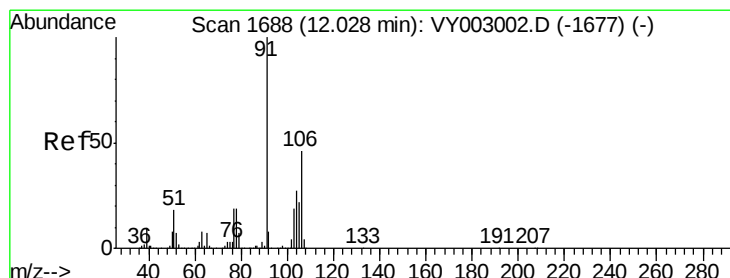
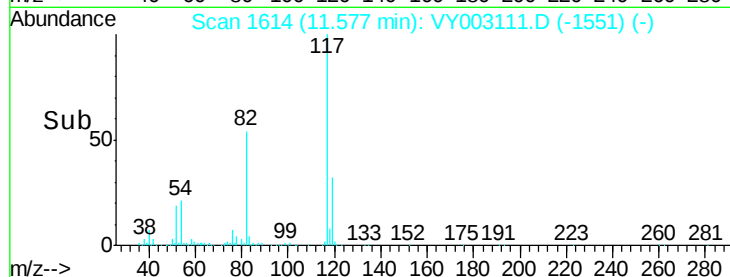
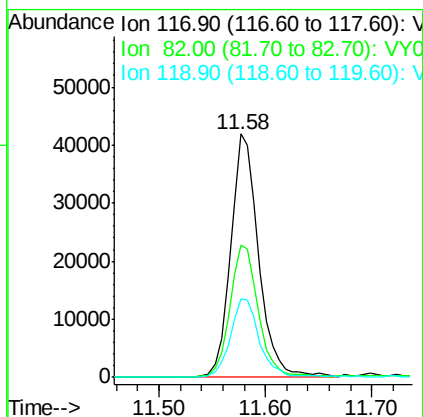
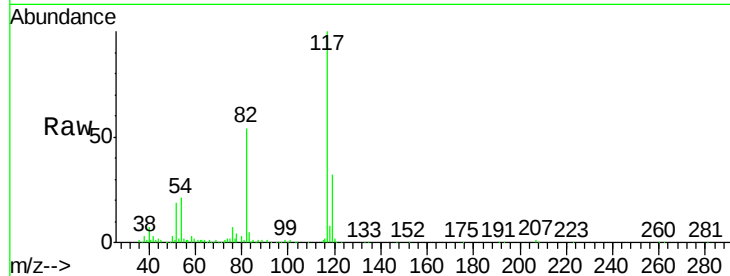




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.58 min Scan# 1614
Delta R.T. 0.09 min
Lab File: VY003111.D
Acq: 06 Jul 2020 14:25

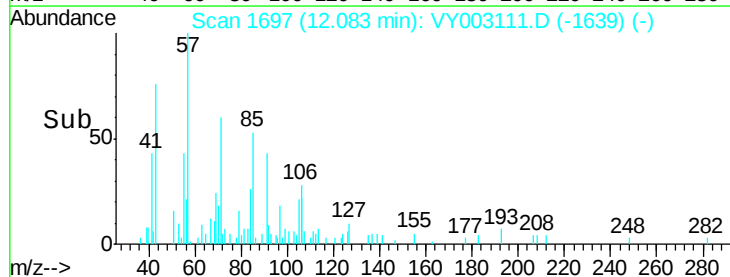
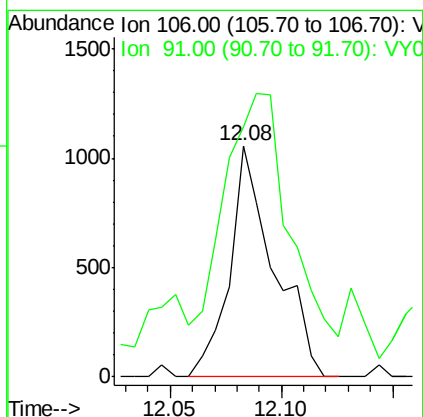
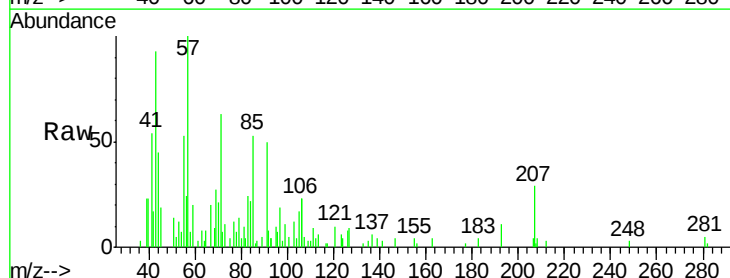
Instrument :
MSVOA_Y
ClientSampled :
E3-41-VAT

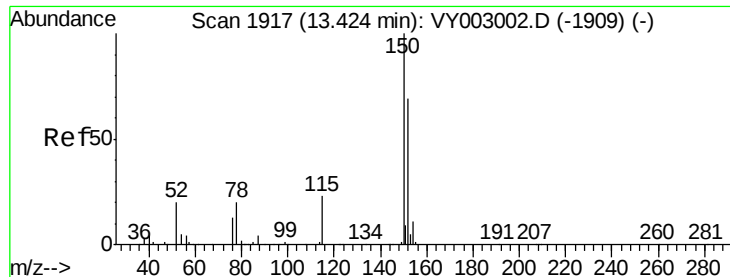
Tot Ion:117 Resp: 77401
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.6
119 32.4 25.8 38.8



#69
o-Xylene
Concen: 1.485 ug/l
RT: 12.08 min Scan# 1697
Delta R.T. 0.05 min
Lab File: VY003111.D
Acq: 06 Jul 2020 14:25

Tgt Ion:106 Resp: 1454
Ion Ratio Lower Upper
106 100
91 149.0 107.9 323.8



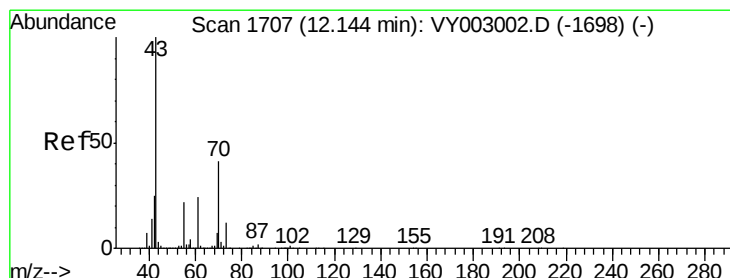
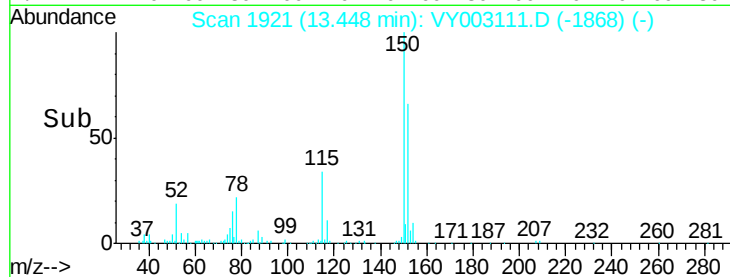
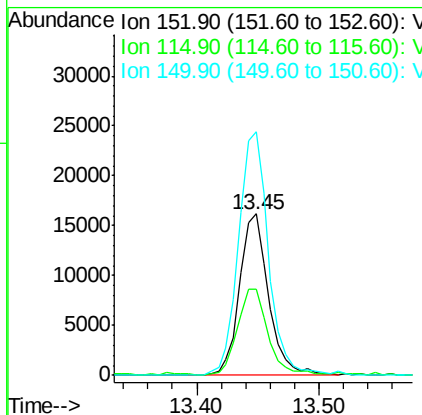
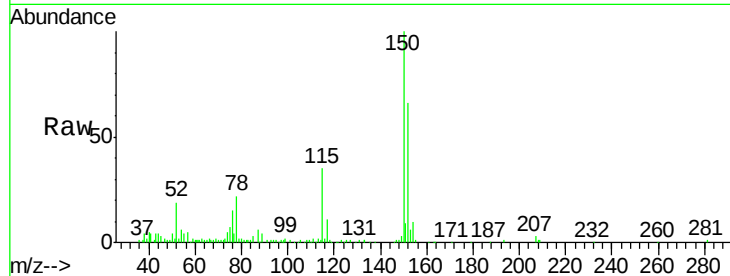


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.45 min Scan# 1921
Delta R.T. 0.02 min
Lab File: VY003111.D
Acq: 06 Jul 2020 14:25

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-VAT

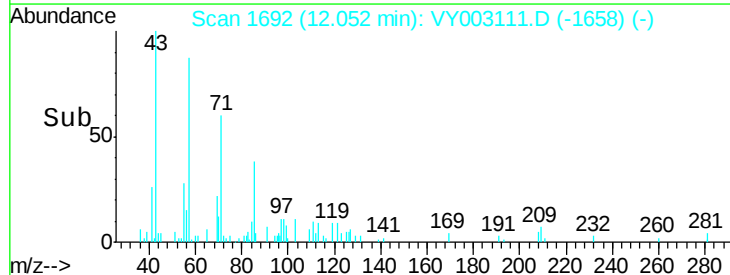
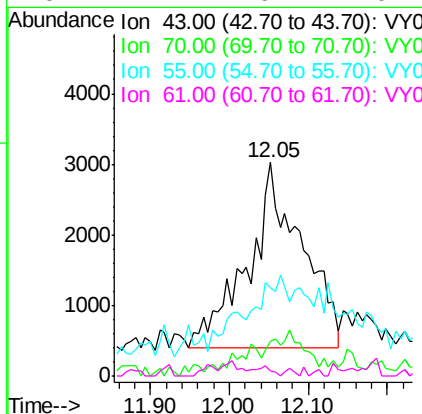
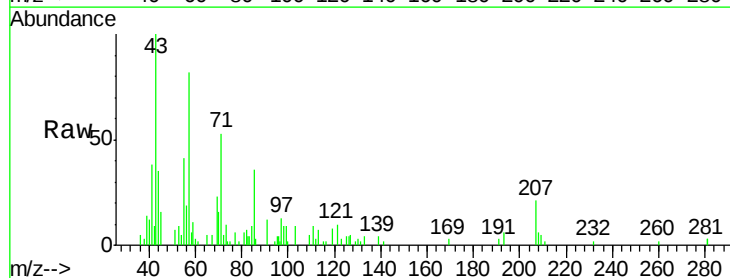
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.3	81.9
150	153.5	0.0	343.4

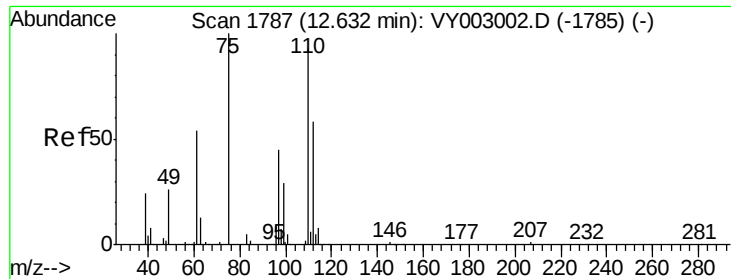


#74

N-ethyl acetate
Concen: 21.878 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. -0.09 min
Lab File: VY003111.D
Acq: 06 Jul 2020 14:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.0	49.4#
55	0.0	18.2	27.2#
61	1.4	19.4	29.2#





#76

1,2,3-Trichloropropane

Concen: 48.422 ug/l

RT: 12.52 min Scan# 1769

Delta R.T. -0.11 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

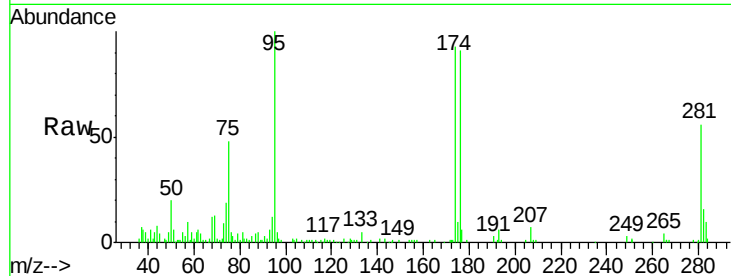
E3-41-VAT

Tot Ion: 75 Resp: 12796

Ion Ratio Lower Upper

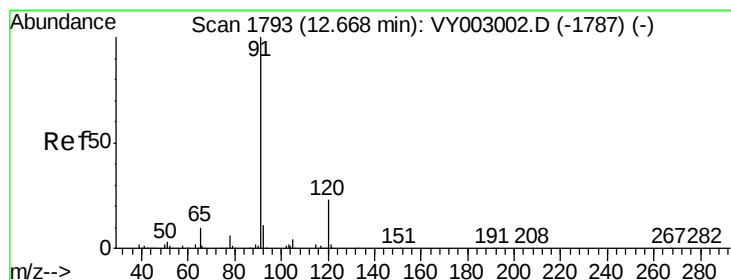
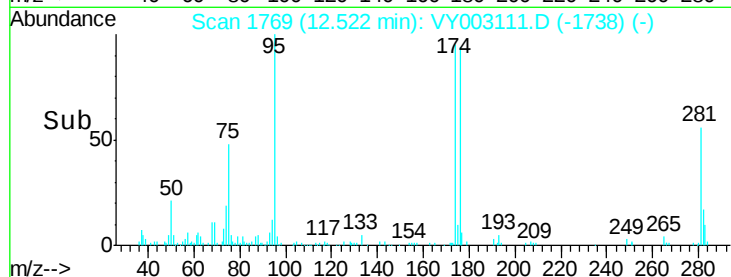
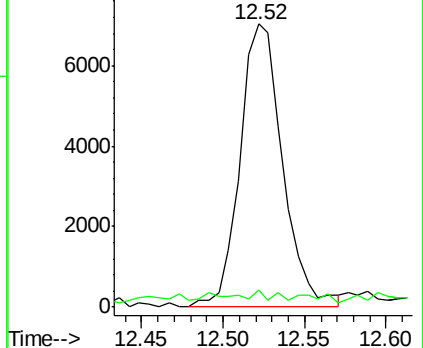
75 100

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



#78

n-propylbenzene

Concen: 1.242 ug/l

RT: 12.70 min Scan# 1799

Delta R.T. 0.04 min

Lab File: VY003111.D

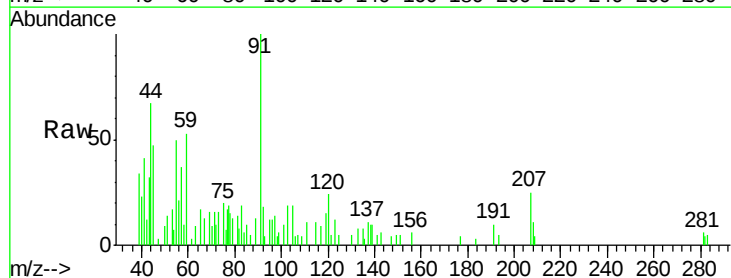
Acq: 06 Jul 2020 14:25

Tgt Ion: 91 Resp: 2610

Ion Ratio Lower Upper

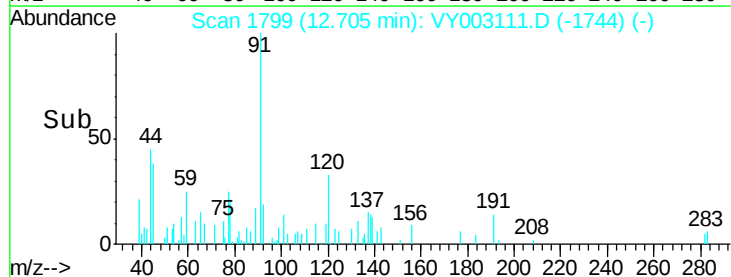
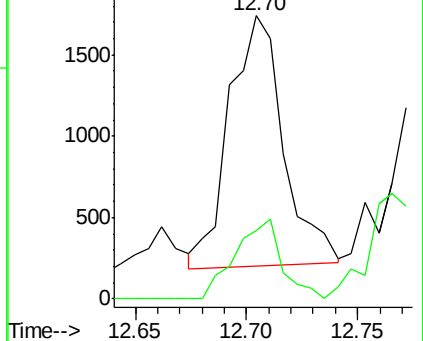
91 100

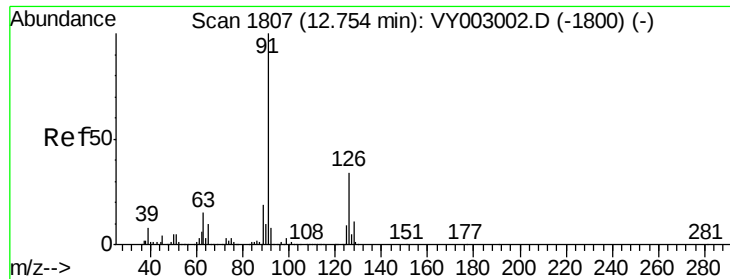
120 27.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

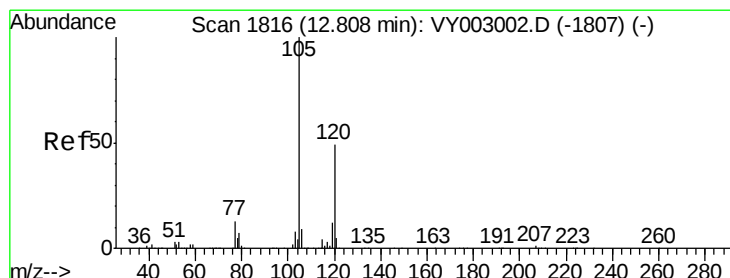
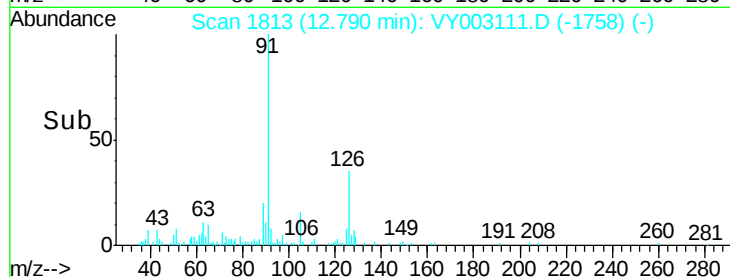
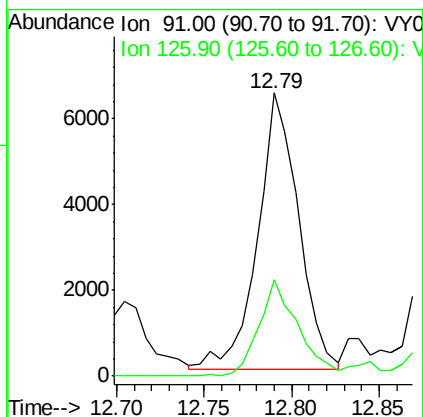
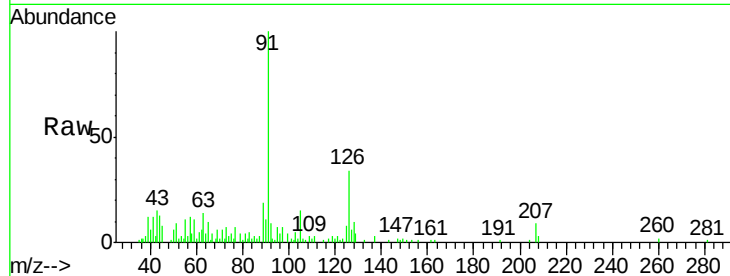




#79
 2-Chlorotoluene
 Concen: 8.985 ug/l
 RT: 12.79 min Scan# 1813
 Delta R.T. 0.04 min
 Lab File: VY003111.D
 Acq: 06 Jul 2020 14:25

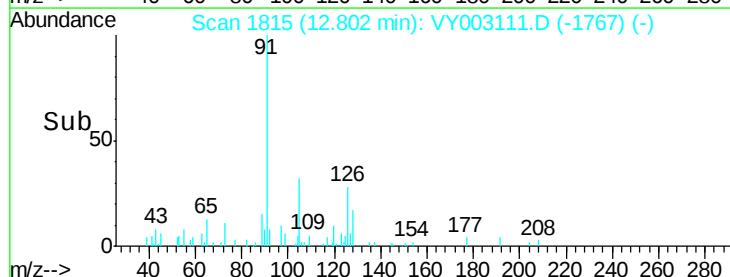
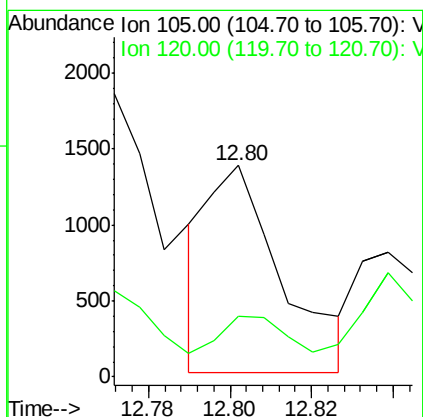
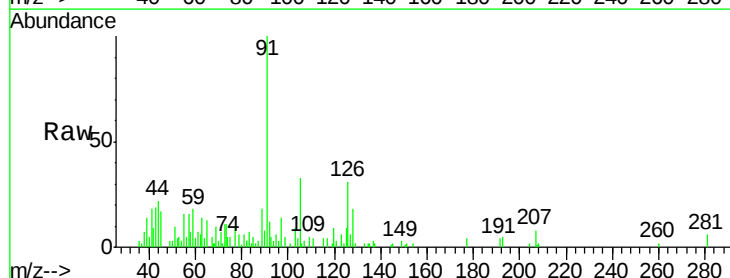
Instrument :
 MSVOA_Y
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 E3-41-VAT

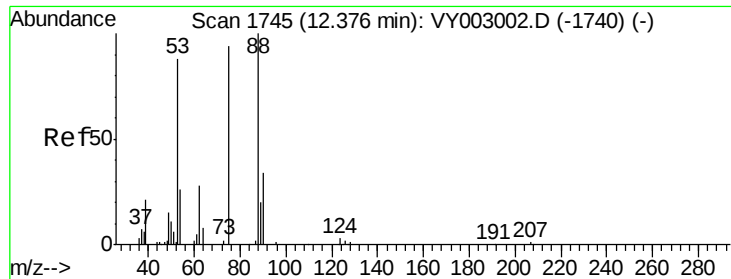
Tot Ion: 91 Resp: 10540
 Ion Ratio Lower Upper
 91 100
 126 33.1 17.1 51.3



#80
 1,3,5-Trimethylbenzene
 Concen: 1.169 ug/l
 RT: 12.80 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: VY003111.D
 Acq: 06 Jul 2020 14:25

Tgt Ion: 105 Resp: 1714
 Ion Ratio Lower Upper
 105 100
 120 31.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 94.210 ug/l

RT: 12.52 min Scan# 1769

Delta R.T. 0.15 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-VAT

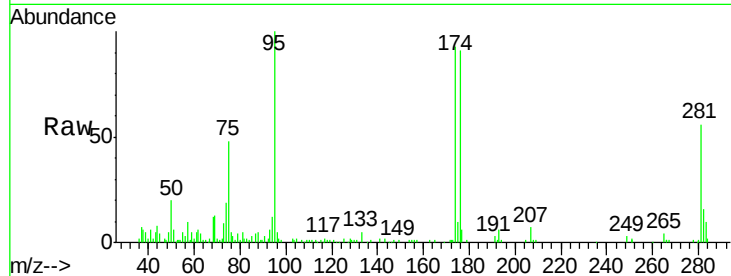
Tot Ion: 75 Resp: 12796

Ion Ratio Lower Upper

75 100

53 1.1 73.9 110.9#

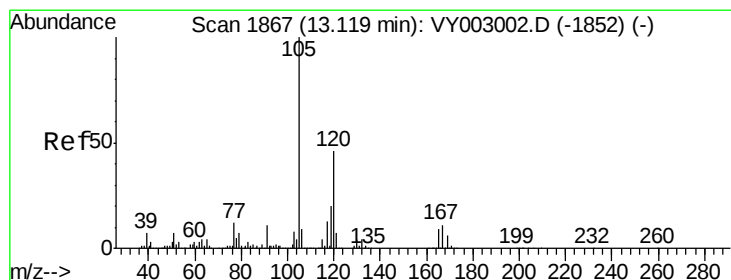
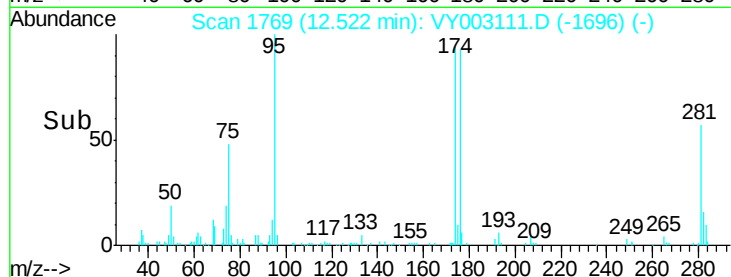
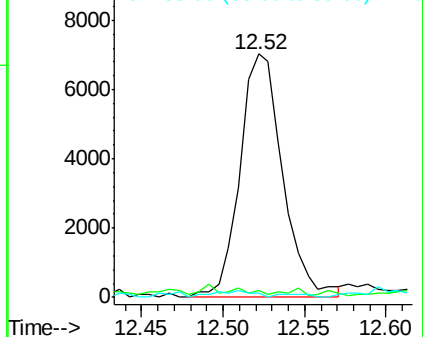
89 2.6 37.5 56.3#



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



#84

1,2,4-Trimethylbenzene

Concen: 3.908 ug/l

RT: 13.14 min Scan# 1871

Delta R.T. 0.02 min

Lab File: VY003111.D

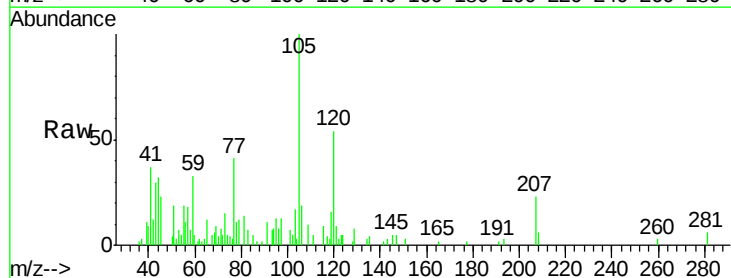
Acq: 06 Jul 2020 14:25

Tgt Ion: 105 Resp: 5775

Ion Ratio Lower Upper

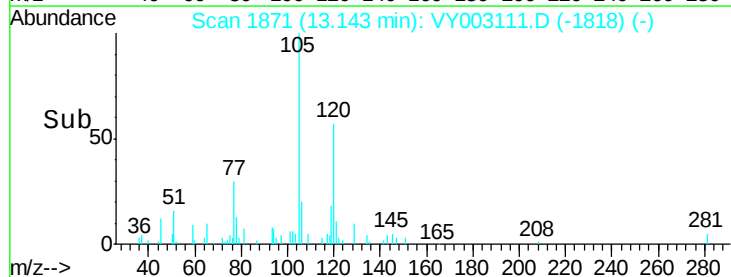
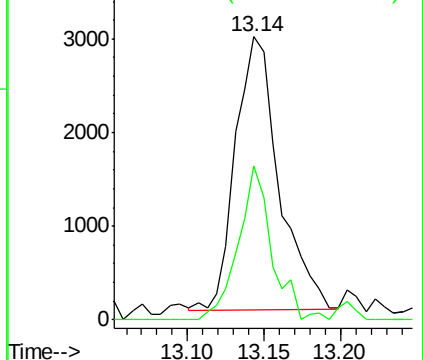
105 100

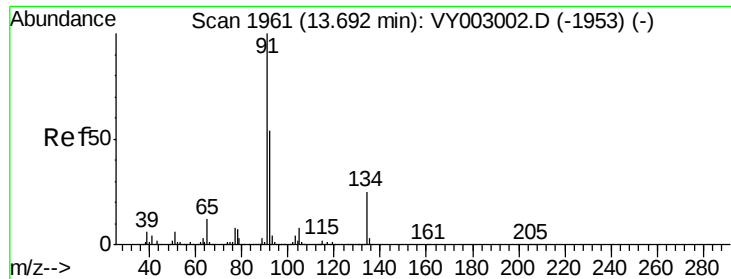
120 42.4 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 1.243 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-VAT

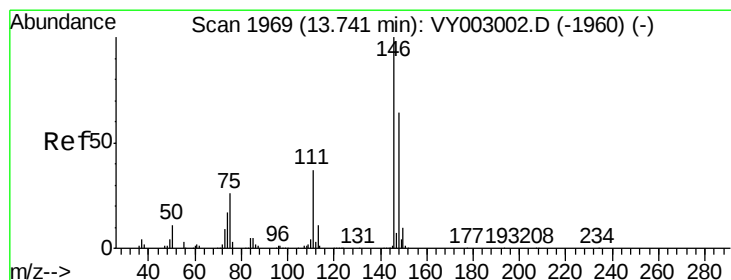
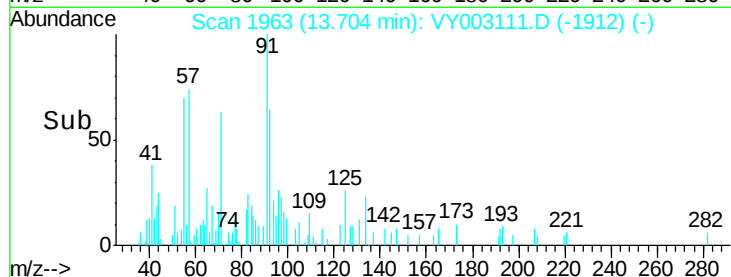
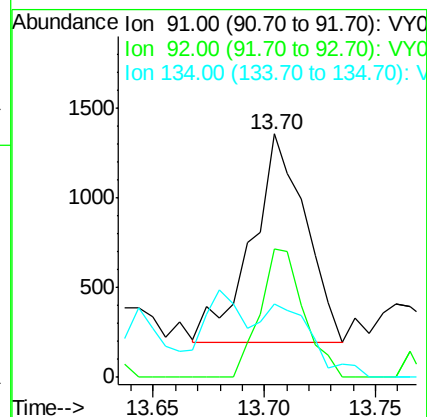
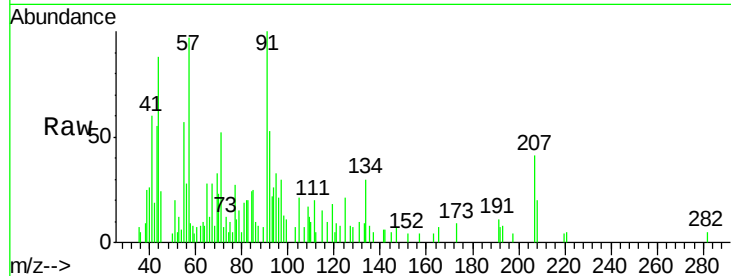
Tot Ion: 91 Resp: 1956

Ion Ratio Lower Upper

91 100

92 49.9 26.8 80.3

134 28.5 13.1 39.1



#91

1,2-Dichlorobenzene

Concen: 1.003 ug/l

RT: 13.75 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

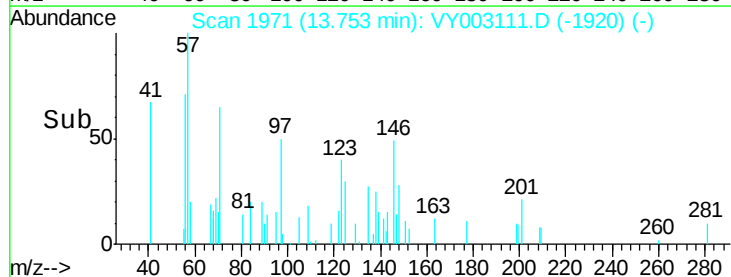
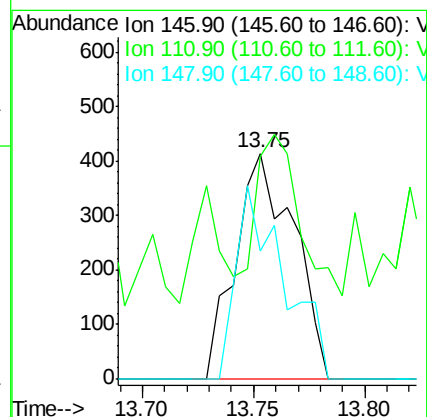
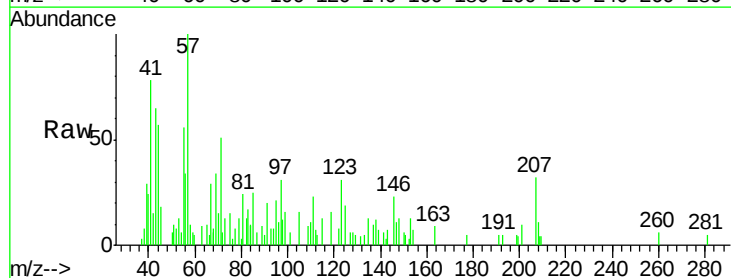
Tgt Ion: 146 Resp: 753

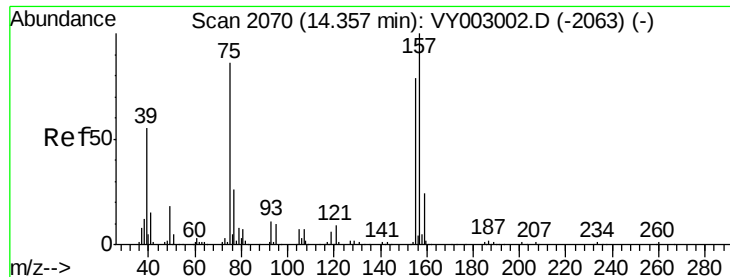
Ion Ratio Lower Upper

146 100

111 93.6 19.1 57.5#

148 70.3 31.8 95.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.243 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-VAT

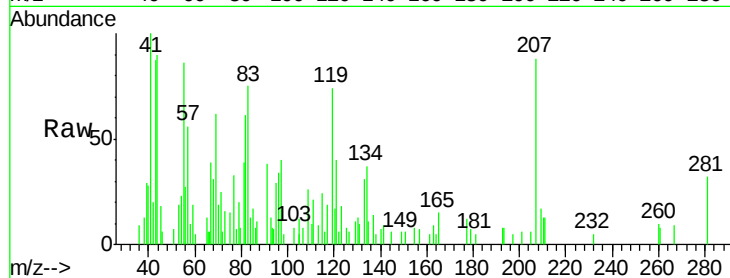
Tot Ion: 75 Resp: 140

Ion Ratio Lower Upper

75 100

155 0.0 46.5 139.3#

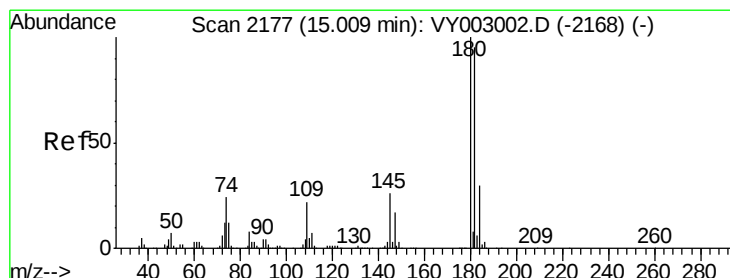
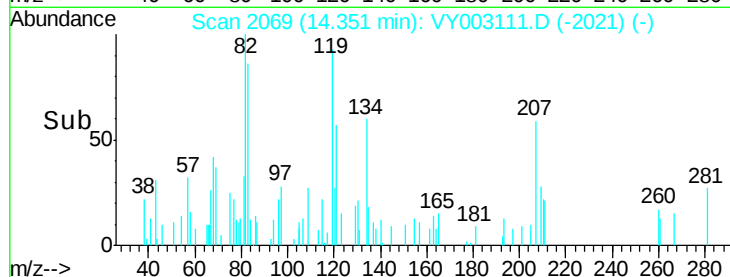
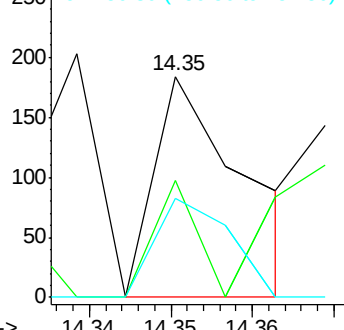
157 37.1 59.2 177.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 2.580 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. -0.00 min

Lab File: VY003111.D

Acq: 06 Jul 2020 14:25

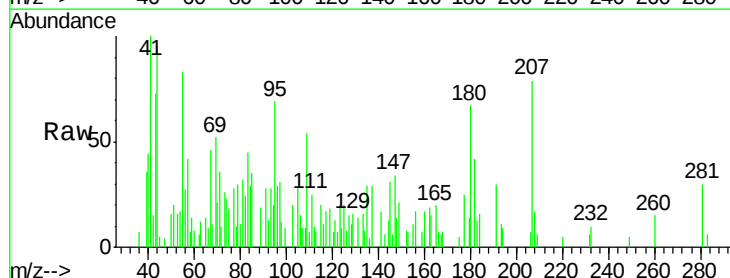
Tgt Ion: 180 Resp: 1439

Ion Ratio Lower Upper

180 100

182 80.5 48.1 144.3

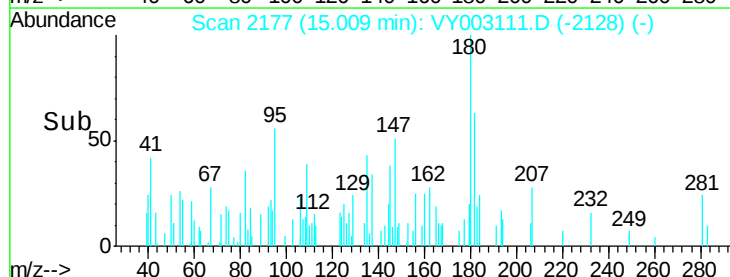
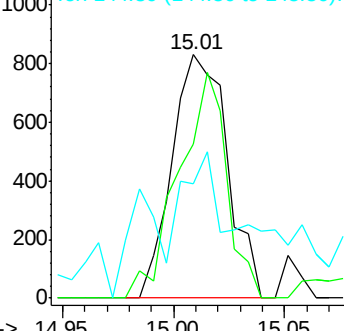
145 29.0 13.9 41.6

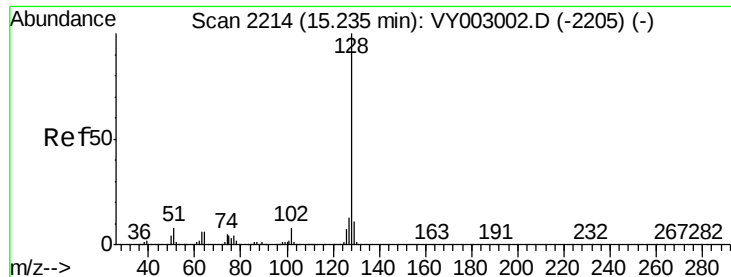


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

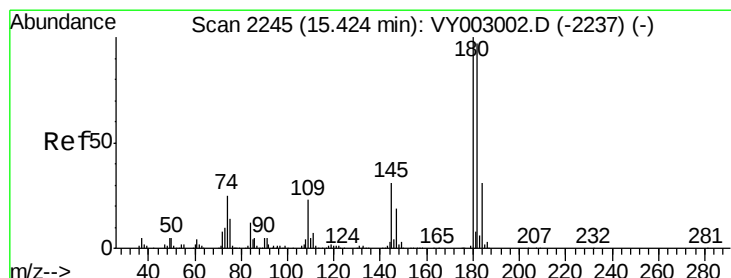
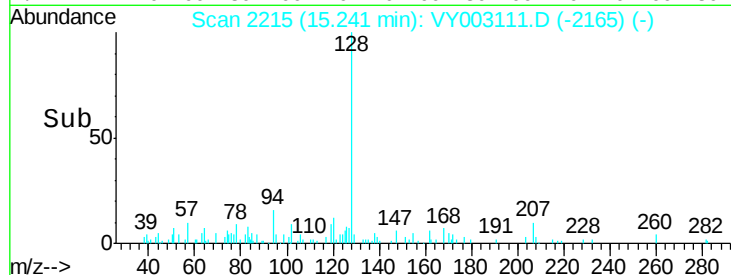
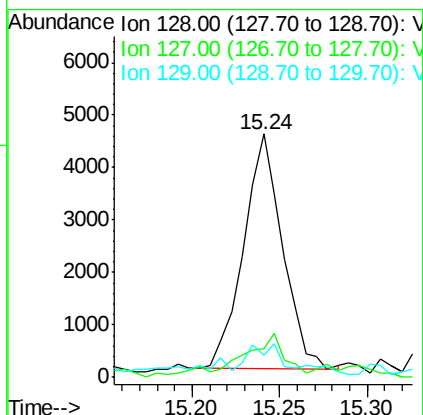
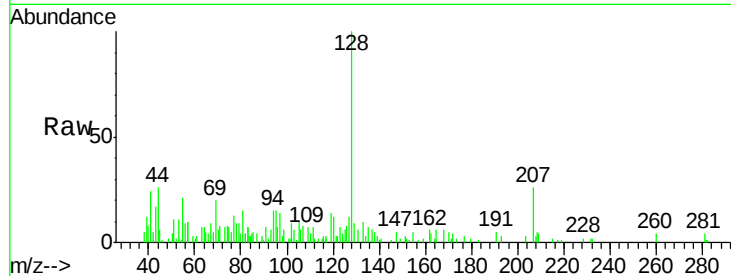




#95
Naphthalene
Concen: 6.783 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.01 min
Lab File: VY003111.D
Acq: 06 Jul 2020 14:25

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-VAT

Tot Ion:128 Resp: 6909
Ion Ratio Lower Upper
128 100
127 21.9 10.8 16.2#
129 9.6 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.006 ug/l
RT: 15.51 min Scan# 2259
Delta R.T. 0.09 min
Lab File: VY003111.D
Acq: 06 Jul 2020 14:25

Tgt Ion:180 Resp: 487
Ion Ratio Lower Upper
180 100
182 53.8 47.8 143.3
145 17.2 14.7 44.1

