

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051920\
 Data File : VY002717.D
 Acq On : 19 May 2020 12:40
 Operator : SY/MD
 Sample : L2665-02
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0375-AMENDED-COMP-MP-A

Quant Time: May 20 08:39:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	277360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	432465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	318503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	128886	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	129425	59.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.32%	
35) Dibromofluoromethane	7.73	113	88863	37.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.46%	
50) Toluene-d8	10.18	98	789426	82.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	164.32%	
62) 4-Bromofluorobenzene	12.47	95	233252	70.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.26%	

Target Compounds

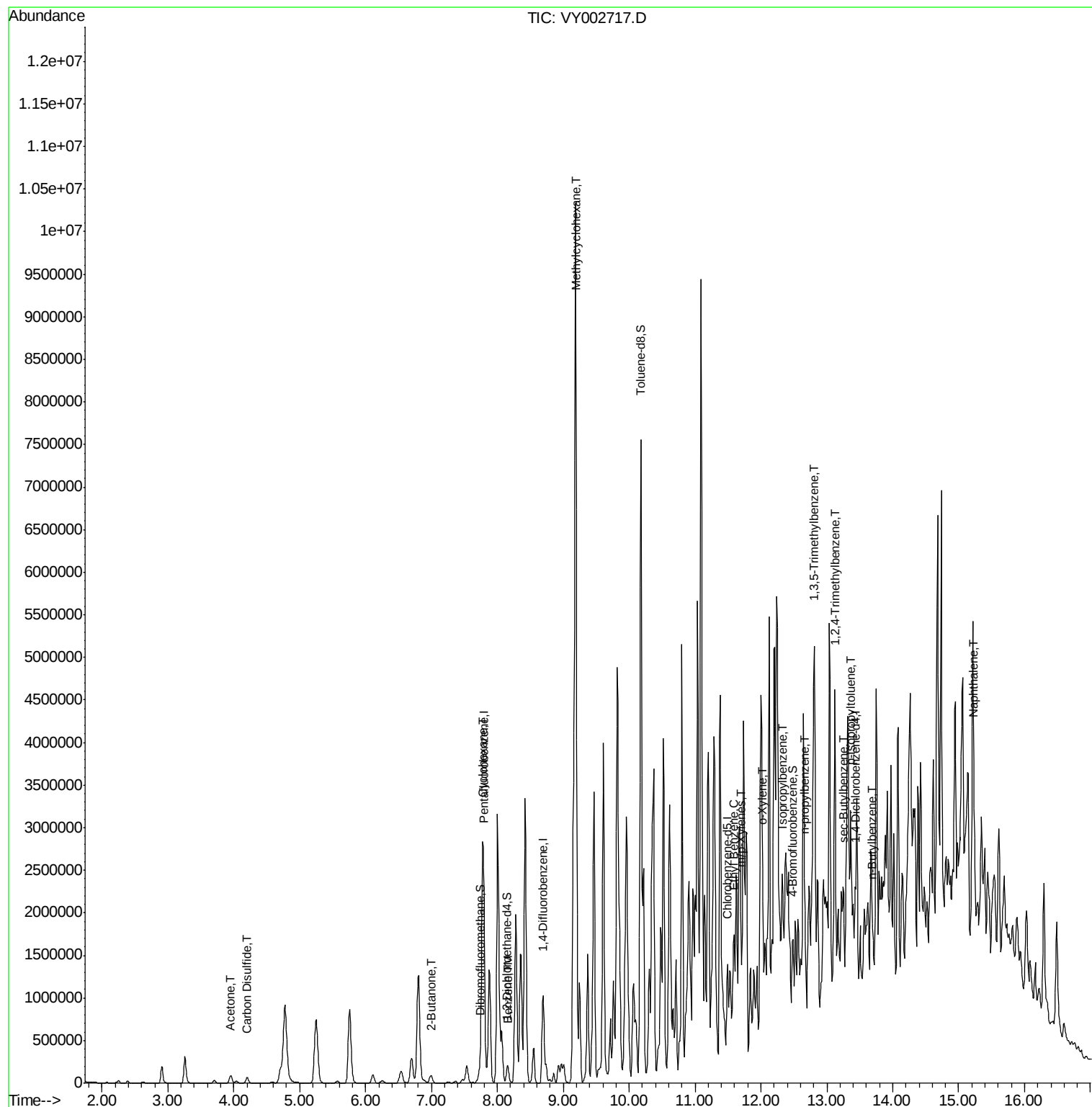
						Qvalue
16) Acetone	3.95	43	118221	264.334	ug/l #	86
17) Carbon Disulfide	4.20	76	138406	18.137	ug/l #	95
25) 2-Butanone	7.00	43	54444	73.575	ug/l #	86
31) Cyclohexane	7.78	56	1209053	287.893	ug/l #	85
39) Methylcyclohexane	9.19	83	4680501	950.806	ug/l	96
40) Benzene	8.17	78	72321	6.770	ug/l	98
67) Ethyl Benzene	11.60	91	442977	40.992	ug/l	100
68) m/p-Xylenes	11.70	106	197148	46.893	ug/l	96
69) o-Xylene	12.03	106	134521	34.090	ug/l	94
73) Isopropylbenzene	12.33	105	423000	50.227	ug/l	100
78) n-propylbenzene	12.67	91	573880	58.577	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	617987	87.332	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	1694046	239.540	ug/l	99
85) sec-Butylbenzene	13.25	105	339261	39.258	ug/l #	75
86) p-Isopropyltoluene	13.37	119	465501	57.547	ug/l	93
89) n-Butylbenzene	13.70	91	257645m	34.684	ug/l	
95) Naphthalene	15.23	128	813883	162.319	ug/l #	86

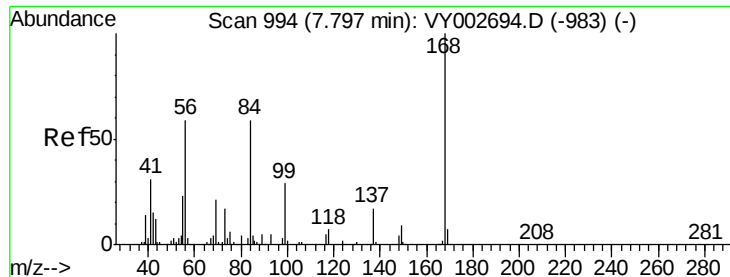
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

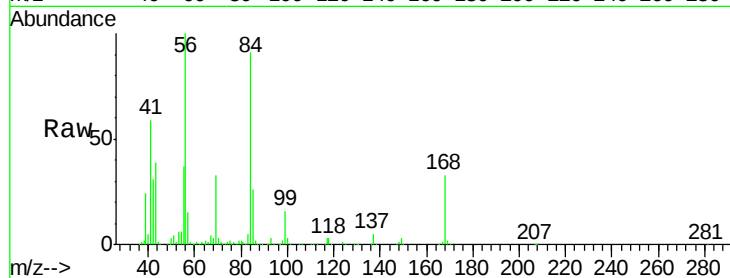
0375-AMENDED-COMP-MP-A

Tot Ion:168 Resp: 277360

Ion Ratio Lower Upper

168 100

99 49.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002717.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY002717.D (-945) (-)

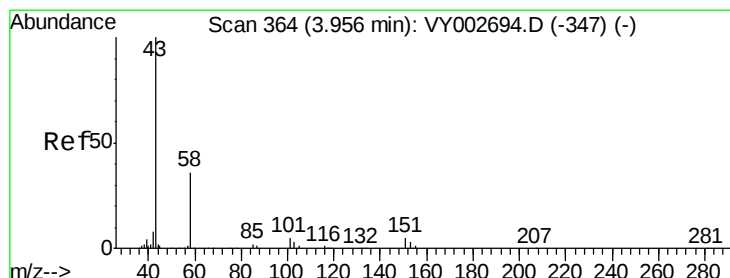
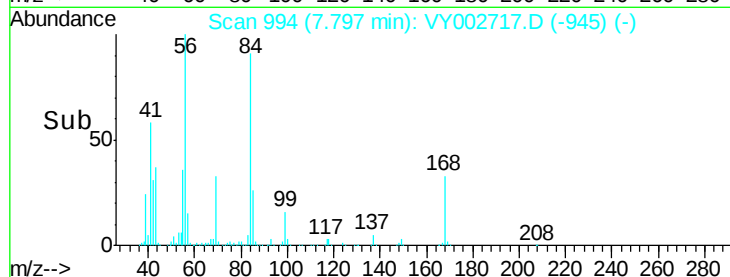
7.80

100000

50000

0

Time-->



#16

Acetone

Concen: 264.334 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002717.D

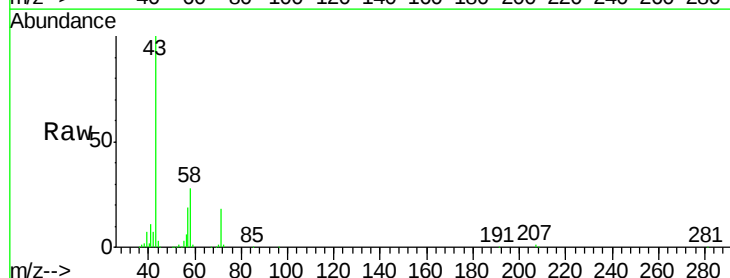
Acq: 19 May 2020 12:40

Tgt Ion: 43 Resp: 118221

Ion Ratio Lower Upper

43 100

58 27.9 28.6 43.0#



Abundance Ion 43.00 (42.70 to 43.70): VY002717.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002717.D (-315) (-)

3.95

50000

40000

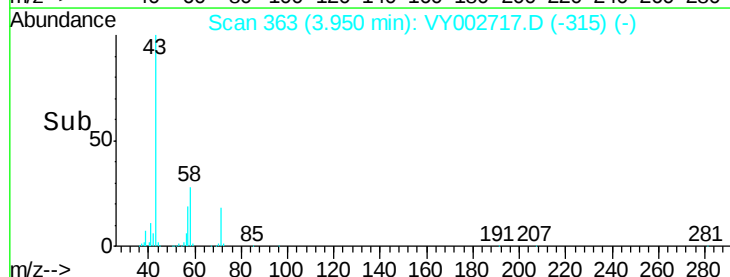
30000

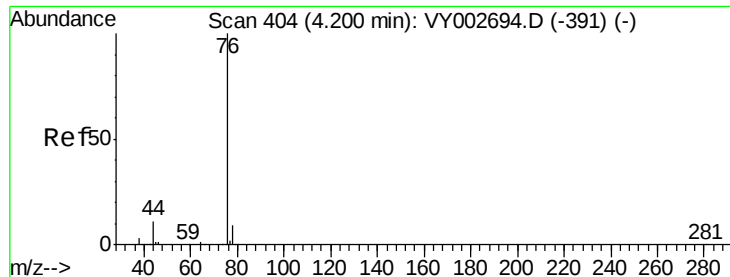
20000

10000

0

Time-->





#17

Carbon Disulfide

Concen: 18.137 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

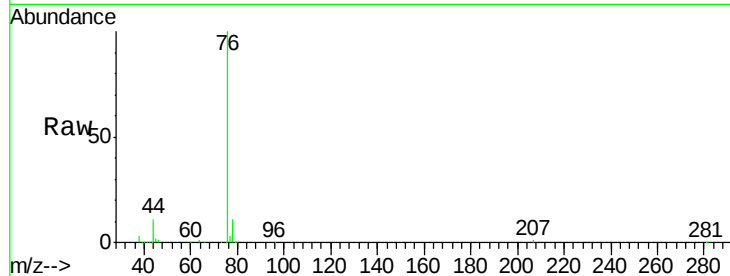
0375-AMENDED-COMP-MP-A

Tot Ion: 76 Resp: 138406

Ion Ratio Lower Upper

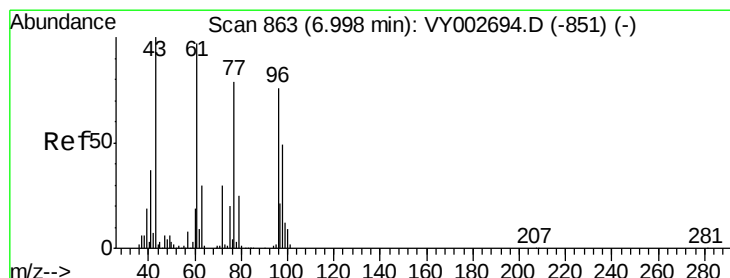
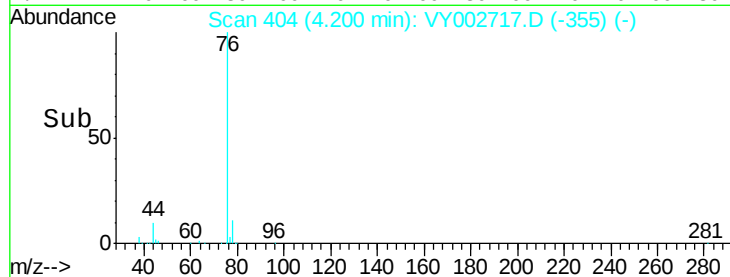
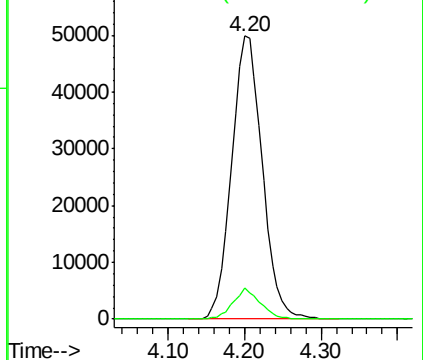
76 100

78 10.8 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#25

2-Butanone

Concen: 73.575 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY002717.D

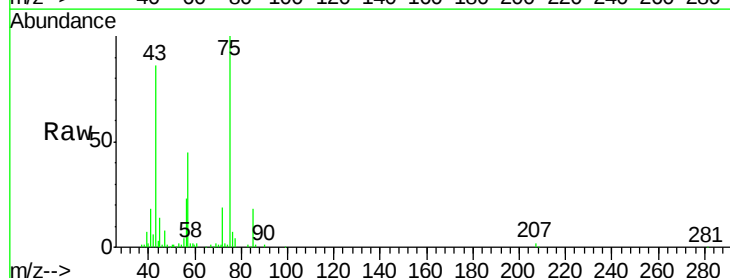
Acq: 19 May 2020 12:40

Tgt Ion: 43 Resp: 54444

Ion Ratio Lower Upper

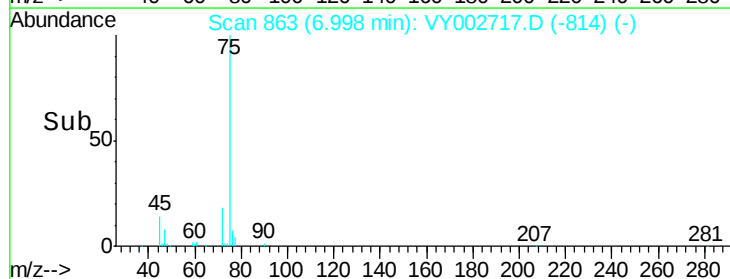
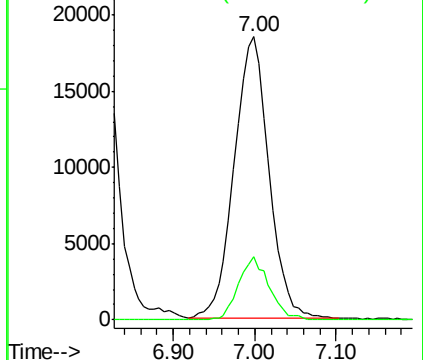
43 100

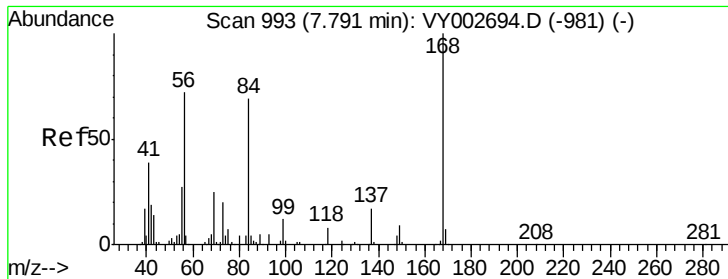
72 22.5 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

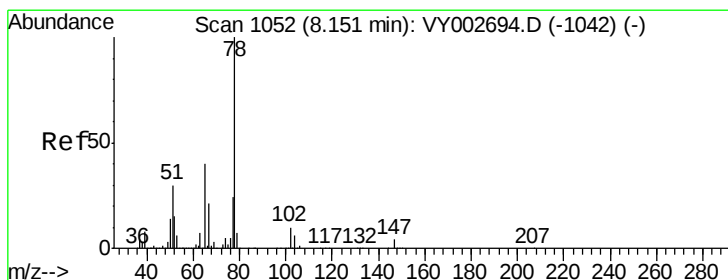
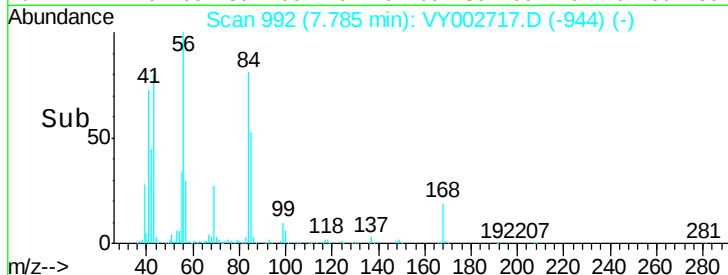
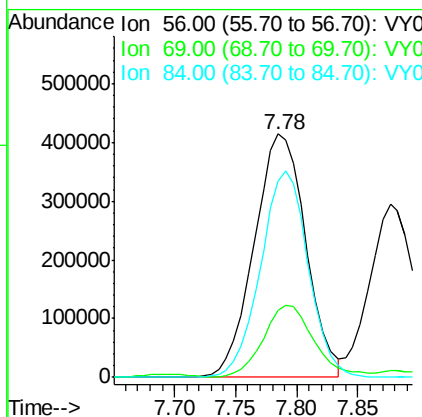
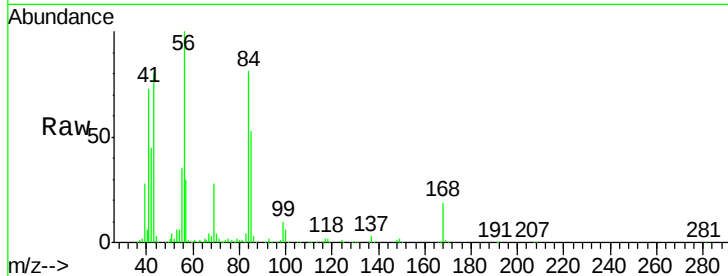




#31
Cyclohexane
Concen: 287.893 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

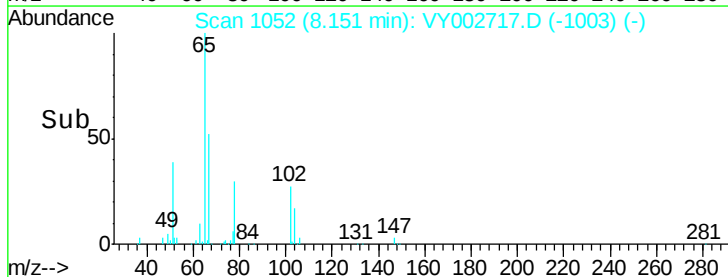
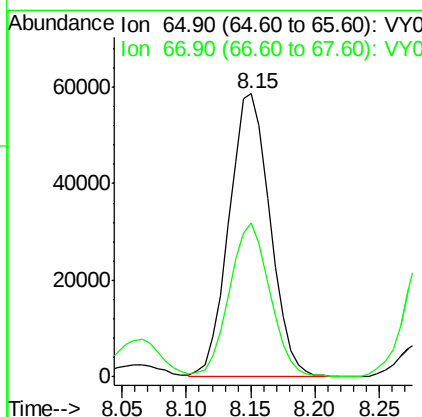
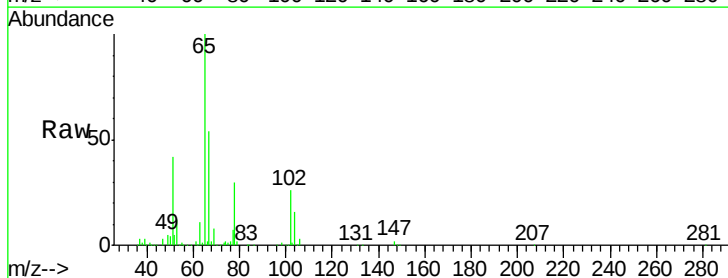
Instrument :
MSVOA_Y
ClientSampleId :
0375-AMENDED-COMP-MP-A

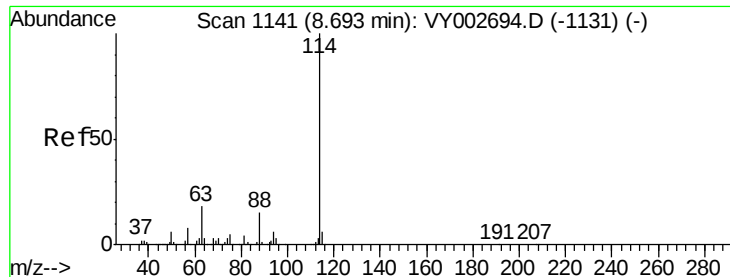
Tot Ion: 56 Resp: 1209053
Ion Ratio Lower Upper
56 100
69 26.8 27.7 41.5#
84 80.7 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 59.656 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion: 65 Resp: 129425
Ion Ratio Lower Upper
65 100
67 53.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

0375-AMENDED-COMP-MP-A

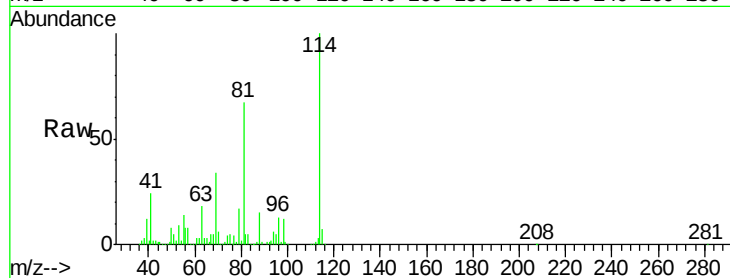
Tot Ion:114 Resp: 432465

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.4

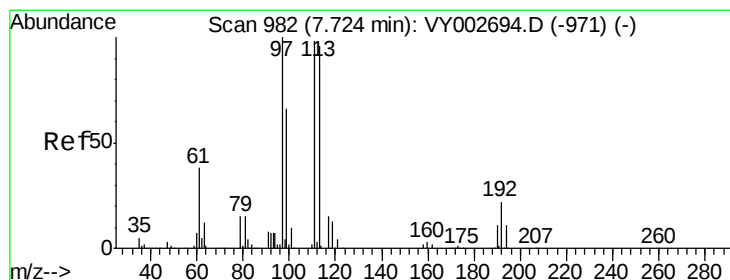
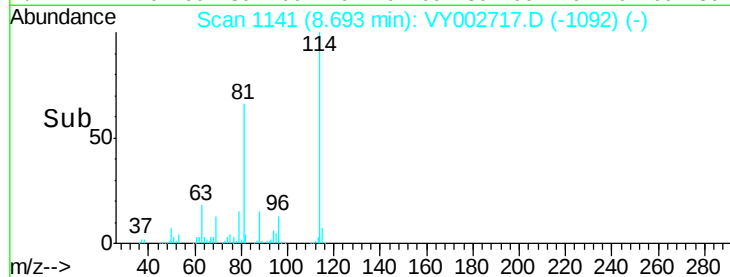
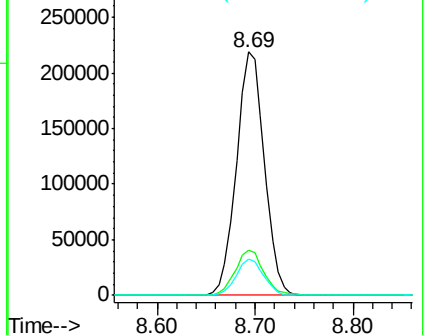
88 15.0 0.0 29.4



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: 37.233 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

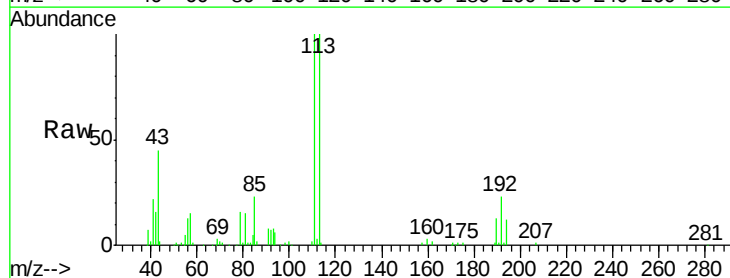
Tgt Ion:113 Resp: 88863

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

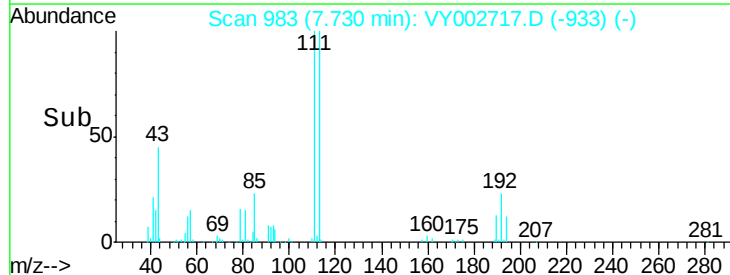
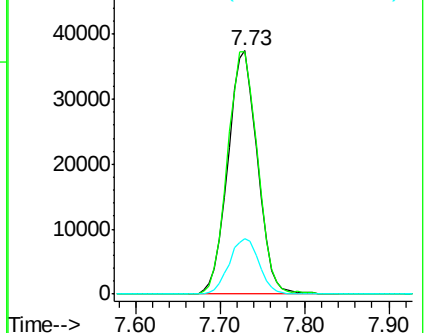
192 23.1 18.6 27.8

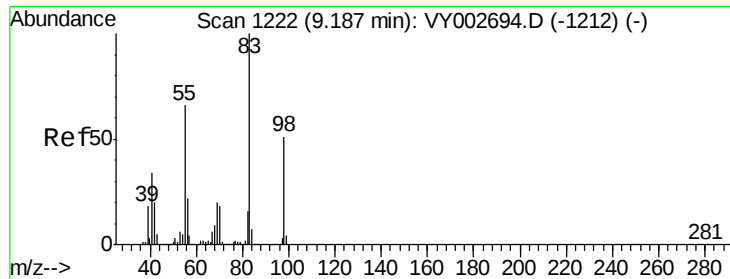


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

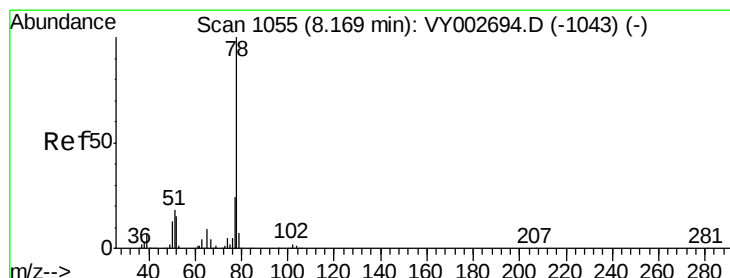
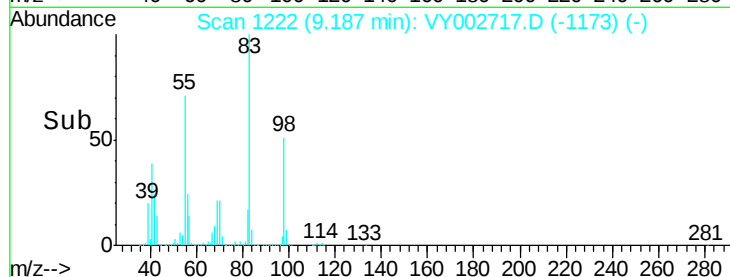
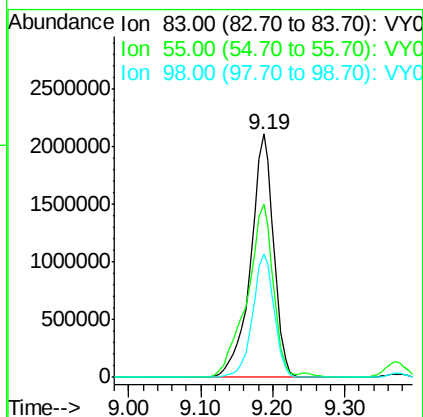
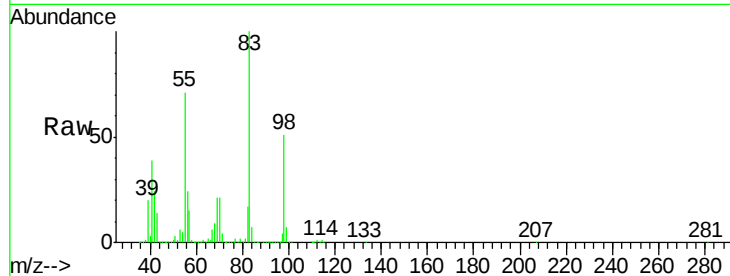




#39
Methvlcvclohexane
Concen: 950.806 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

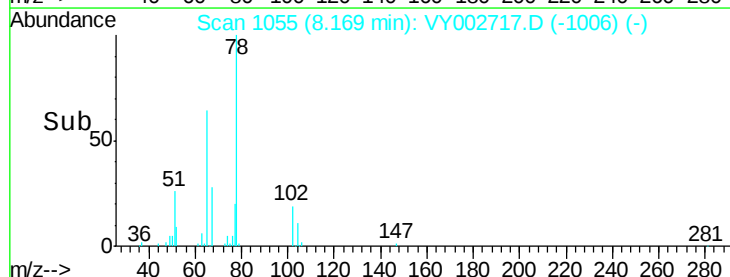
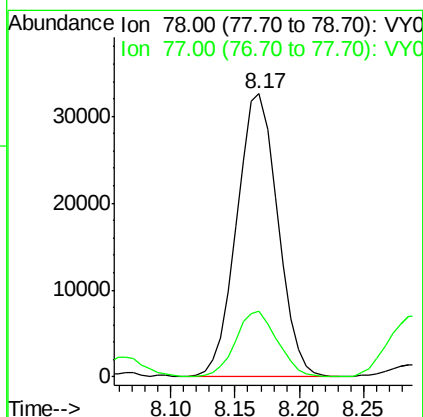
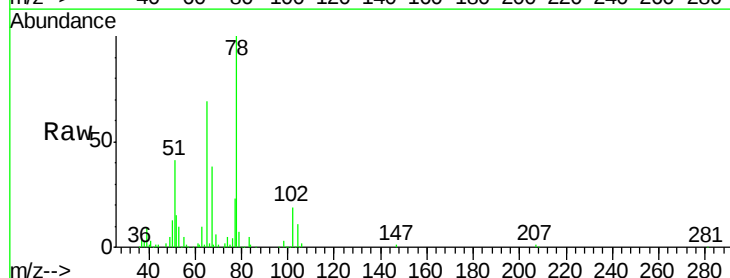
Instrument :
MSVOA_Y
ClientSampleId :
0375-AMENDED-COMP-MP-A

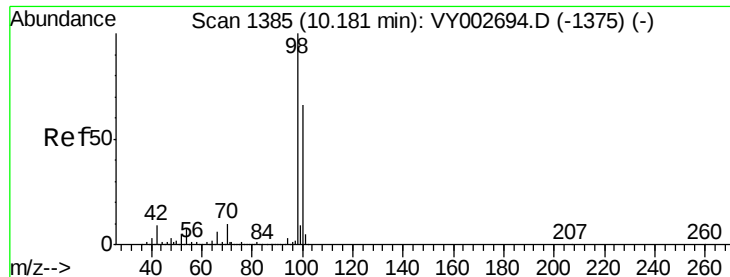
Tot Ion: 83 Resp: 4680501
Ion Ratio Lower Upper
83 100
55 71.3 53.0 79.6
98 50.7 40.8 61.2



#40
Benzene
Concen: 6.770 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion: 78 Resp: 72321
Ion Ratio Lower Upper
78 100
77 23.1 19.2 28.8





#50

Toluene-d8

Concen: 82.155 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

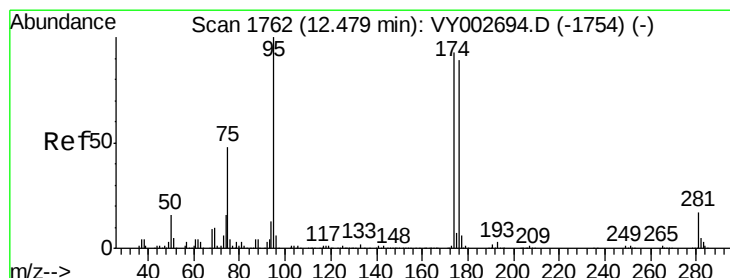
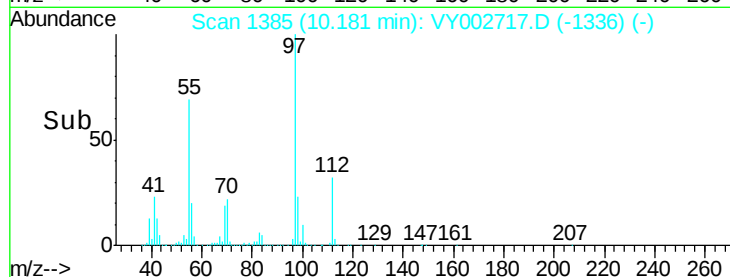
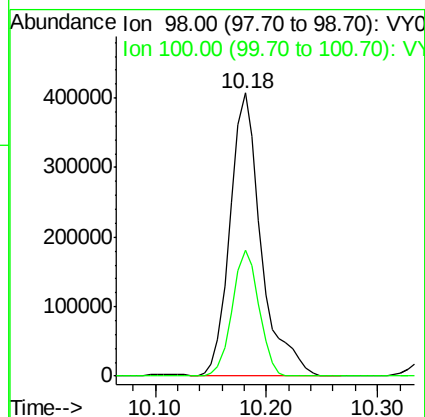
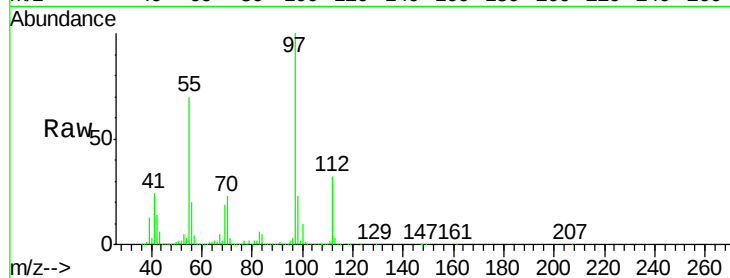
0375-AMENDED-COMP-MP-A

Tot Ion: 98 Resp: 789426

Ion Ratio Lower Upper

98 100

100 38.2 52.3 78.5#



#62

4-Bromofluorobenzene

Concen: 70.626 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

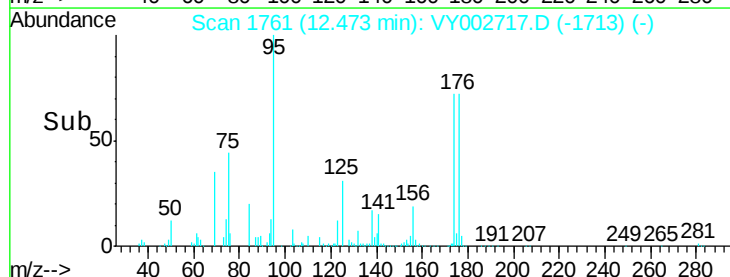
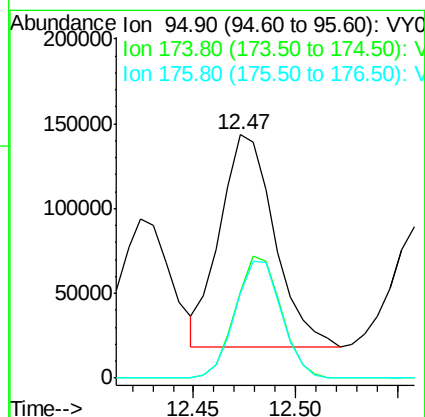
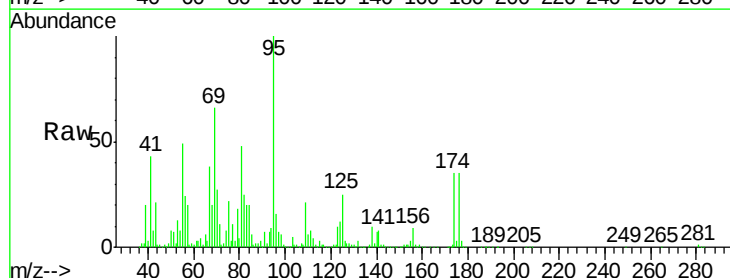
Tgt Ion: 95 Resp: 233252

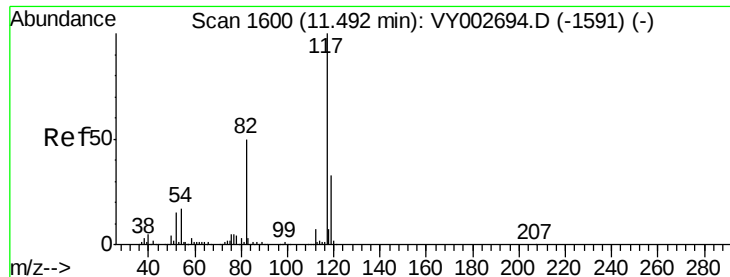
Ion Ratio Lower Upper

95 100

174 48.6 0.0 191.4

176 47.0 0.0 186.0

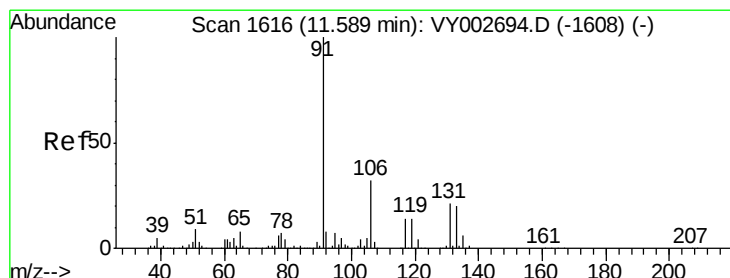
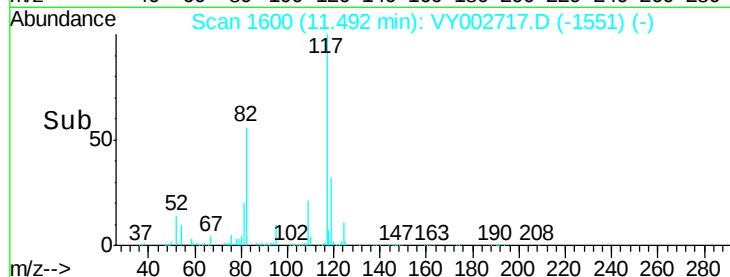
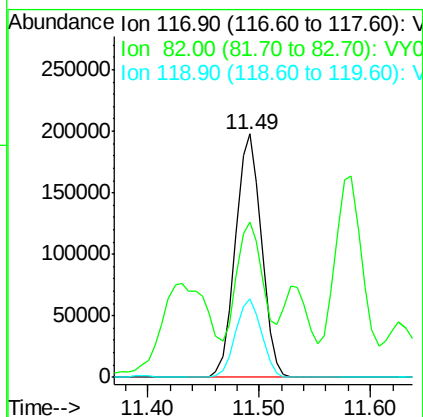
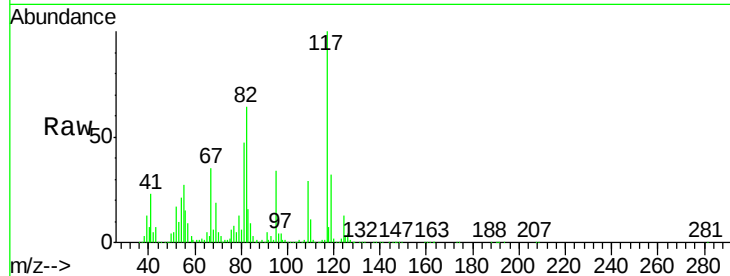




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

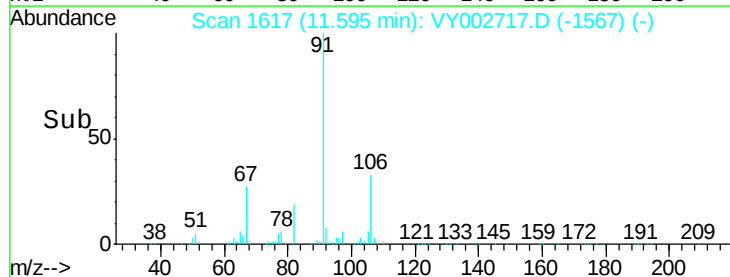
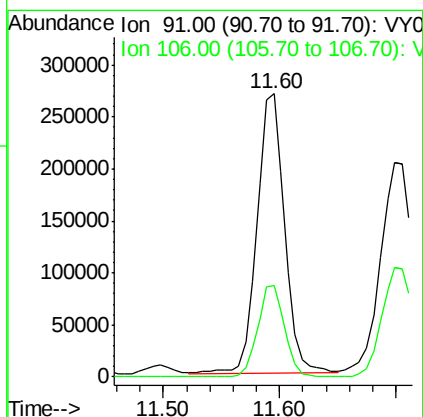
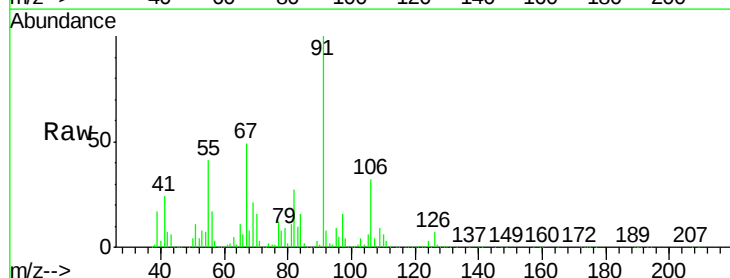
Instrument :
MSVOA_Y
ClientSampleId :
0375-AMENDED-COMP-MP-A

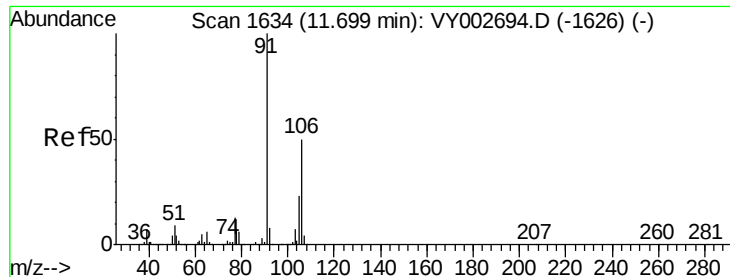
Tot Ion:117 Resp: 318503
Ion Ratio Lower Upper
117 100
82 28.2 40.3 60.5#
119 32.2 26.2 39.4



#67
Ethyl Benzene
Concen: 40.992 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion: 91 Resp: 442977
Ion Ratio Lower Upper
91 100
106 32.6 26.0 39.0





#68

m/p-Xylenes

Concen: 46.893 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

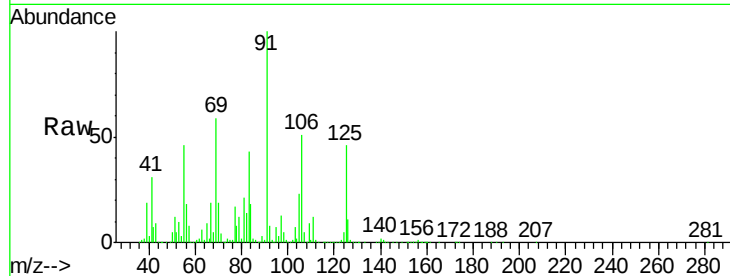
0375-AMENDED-COMP-MP-A

Tot Ion:106 Resp: 197148

Ion Ratio Lower Upper

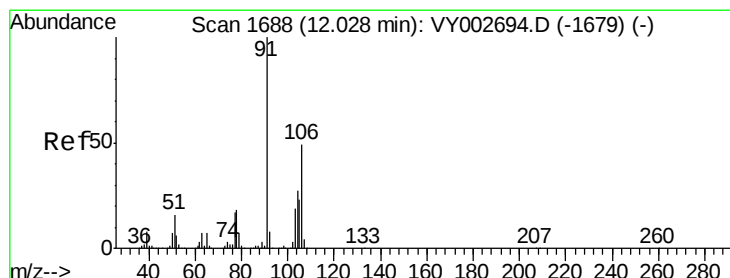
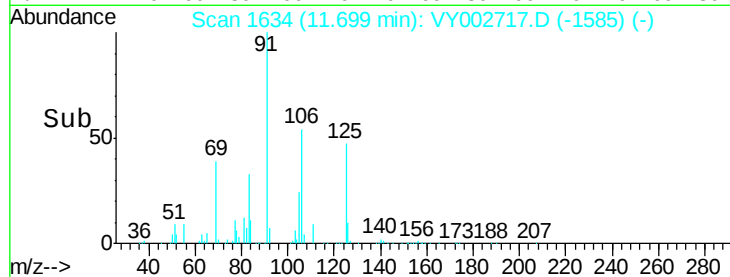
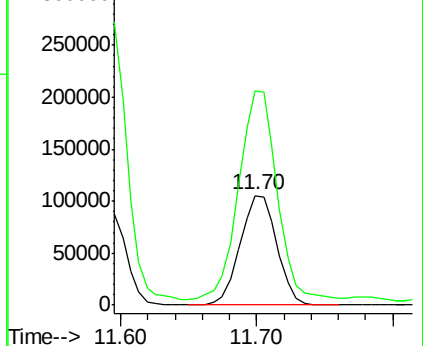
106 100

91 200.6 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 34.090 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VY002717.D

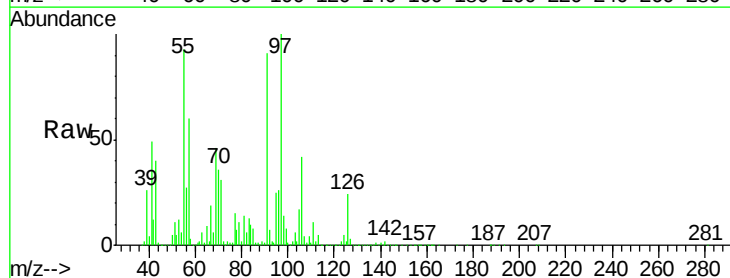
Acq: 19 May 2020 12:40

Tgt Ion:106 Resp: 134521

Ion Ratio Lower Upper

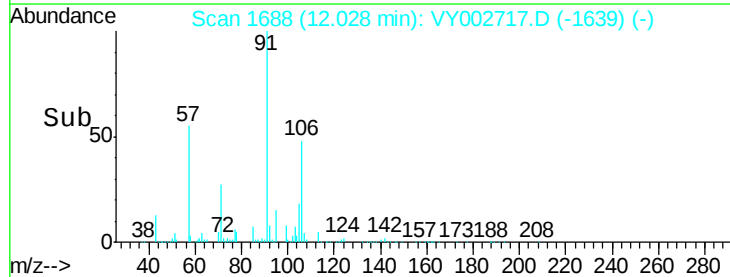
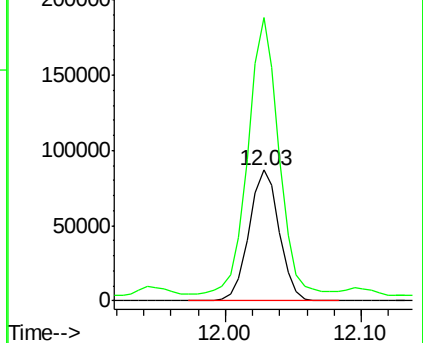
106 100

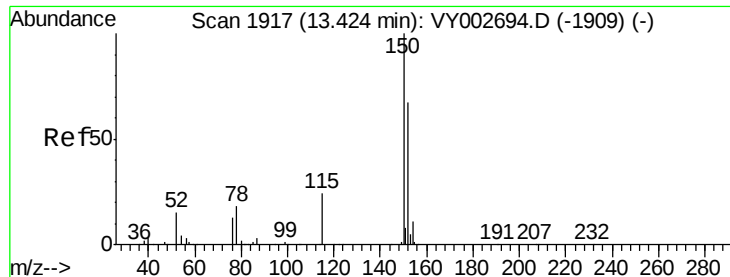
91 216.8 103.5 310.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



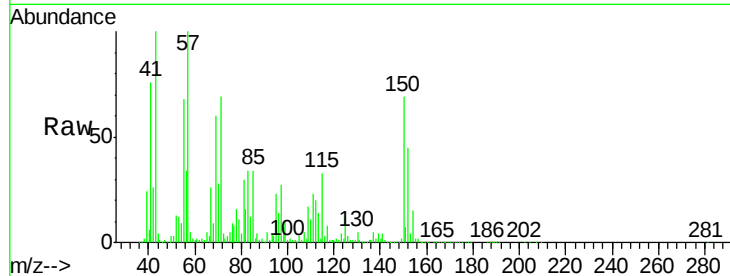


#72

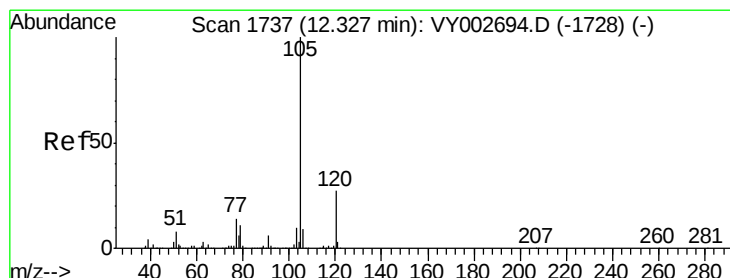
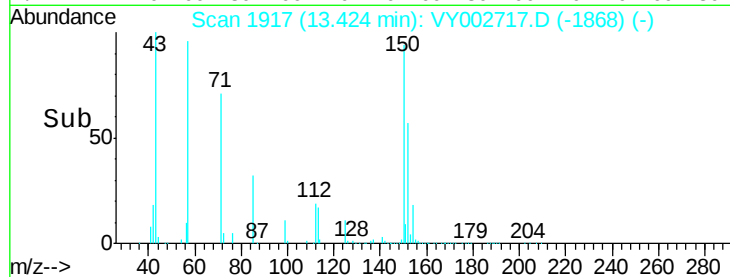
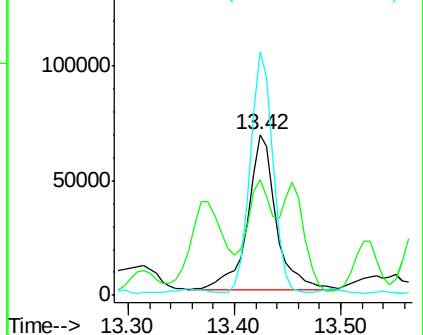
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
0375-AMENDED-COMP-MP-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.0	27.2	81.6
150	122.7	0.0	343.8



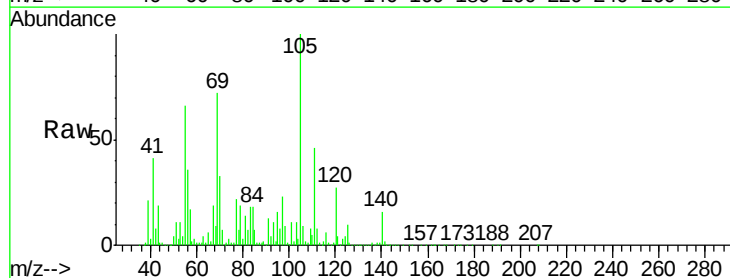
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



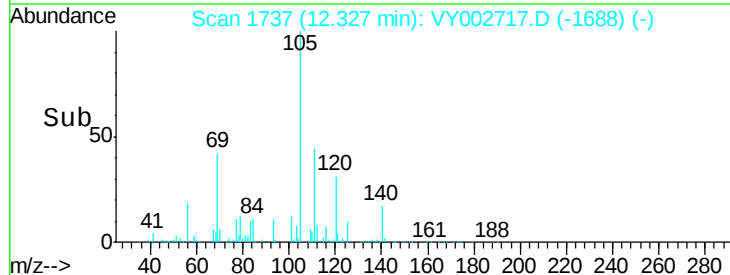
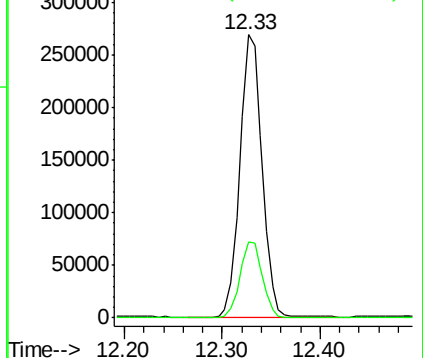
#73

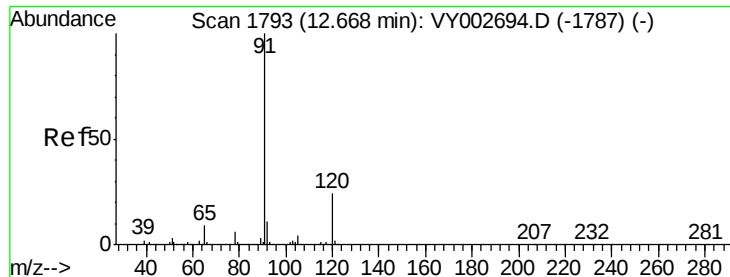
Isopropylbenzene
Concen: 50.227 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.7	41.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 58.577 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY002717.D

Acq: 19 May 2020 12:40

Instrument :

MSVOA_Y

ClientSampleId :

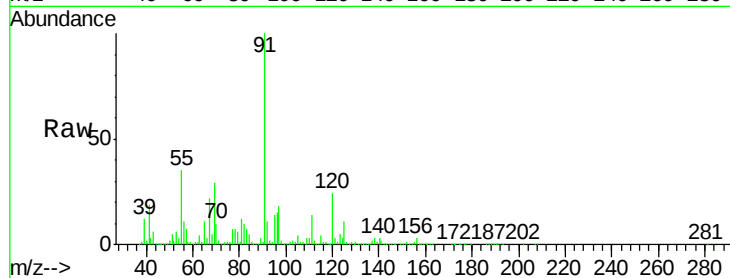
0375-AMENDED-COMP-MP-A

Tot Ion: 91 Resp: 573880

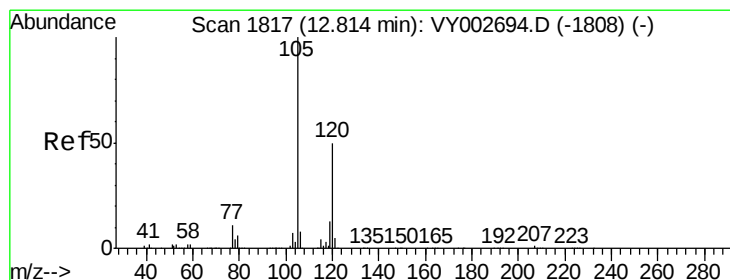
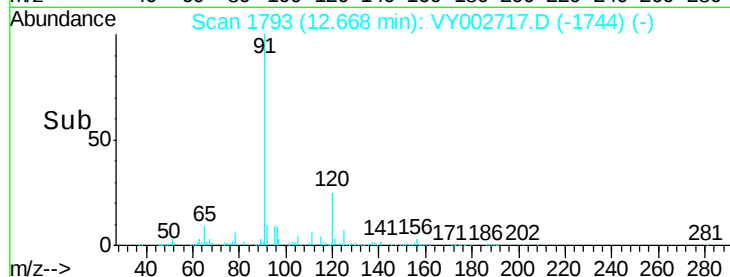
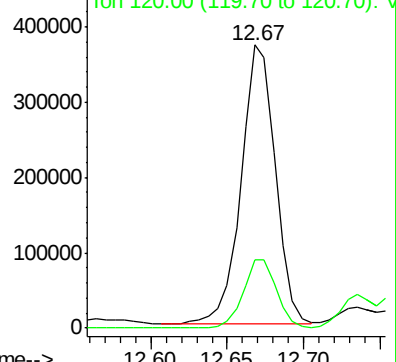
Ion Ratio Lower Upper

91 100

120 23.9 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY002717.D (-1744) (-)



#80

1,3,5-Trimethylbenzene

Concen: 87.332 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY002717.D

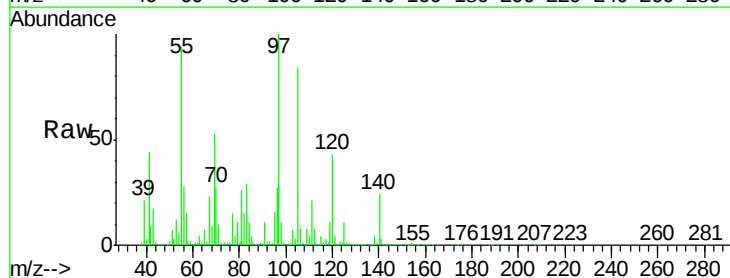
Acq: 19 May 2020 12:40

Tgt Ion: 105 Resp: 617987

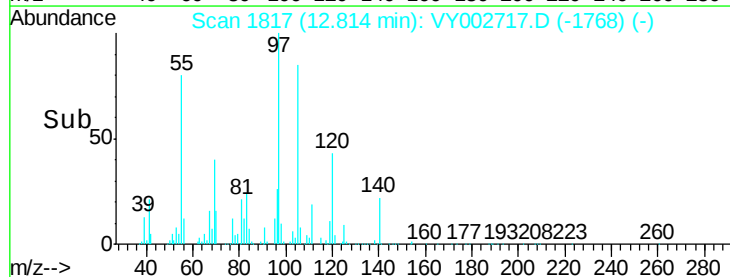
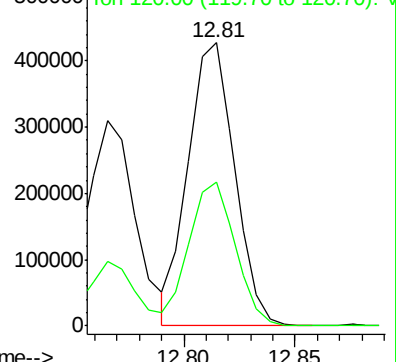
Ion Ratio Lower Upper

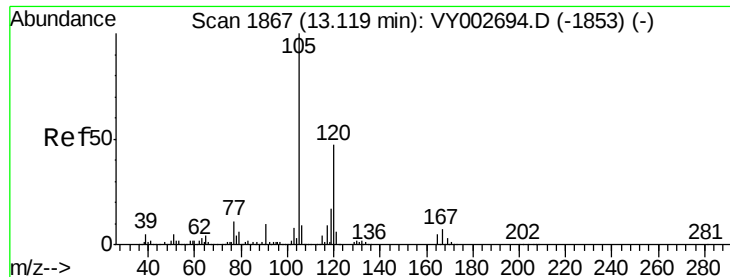
105 100

120 50.5 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY002717.D (-1768) (-)



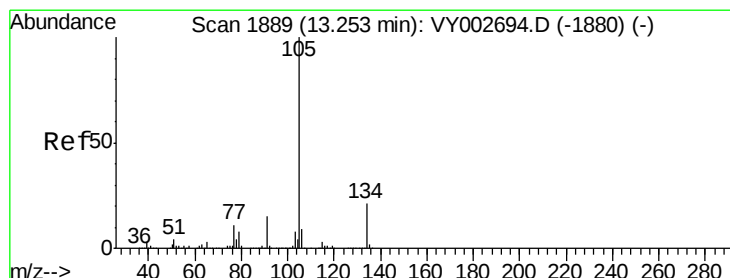
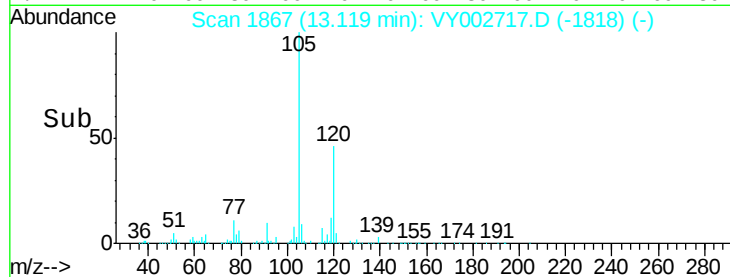
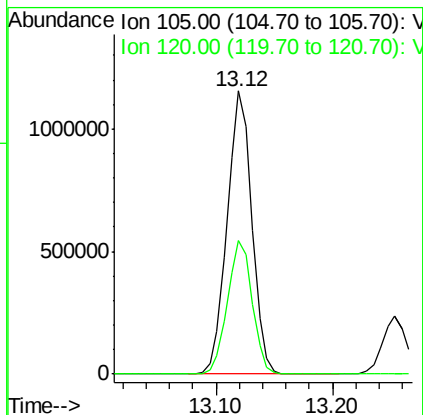
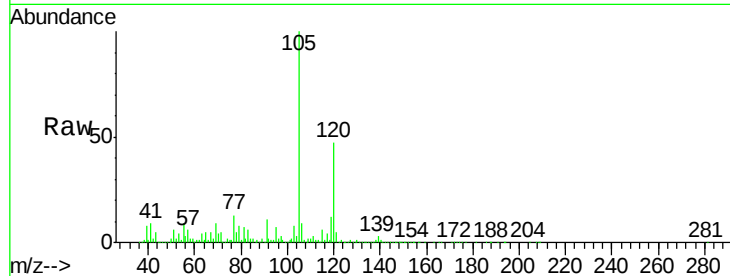


#84

1,2,4-Trimethylbenzene
Concen: 239.540 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
0375-AMENDED-COMP-MP-A

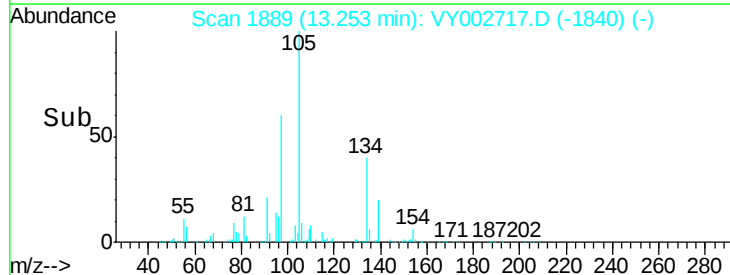
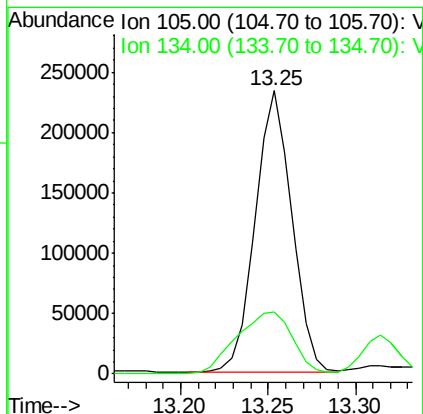
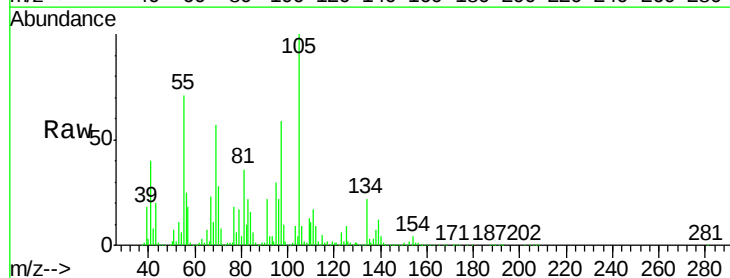
Tot Ion:105 Resp: 1694046
Ion Ratio Lower Upper
105 100
120 47.6 23.5 70.5

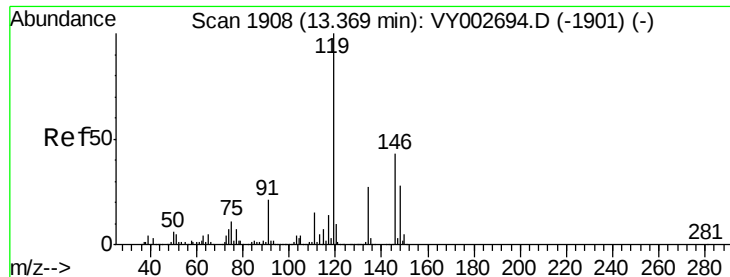


#85

sec-Butylbenzene
Concen: 39.258 ug/l
RT: 13.25 min Scan# 1889
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion:105 Resp: 339261
Ion Ratio Lower Upper
105 100
134 33.4 10.8 32.3#

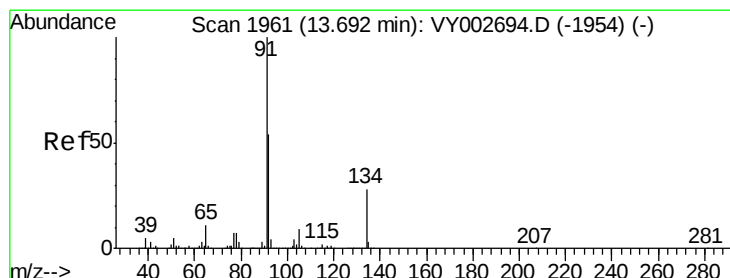
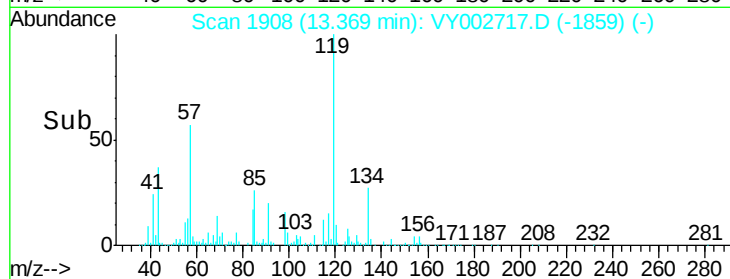
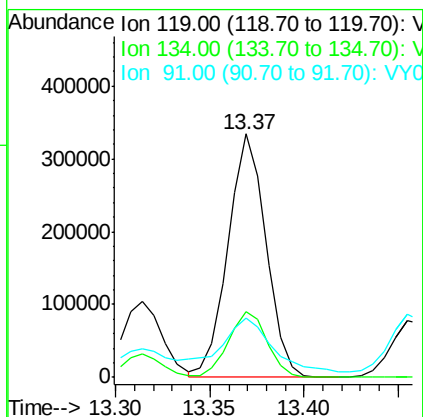
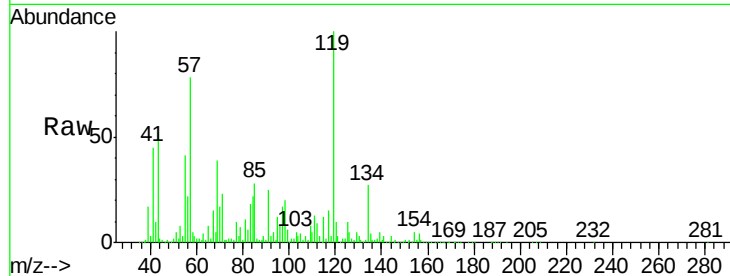




#86
p-Isopropyltoluene
Concen: 57.547 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

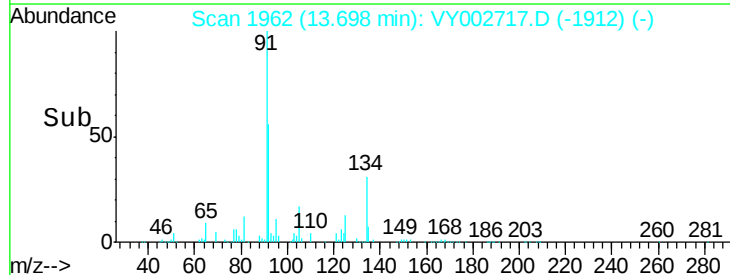
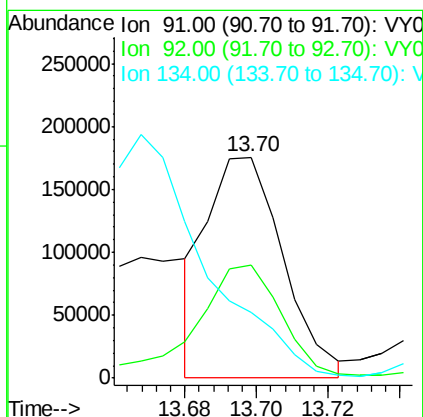
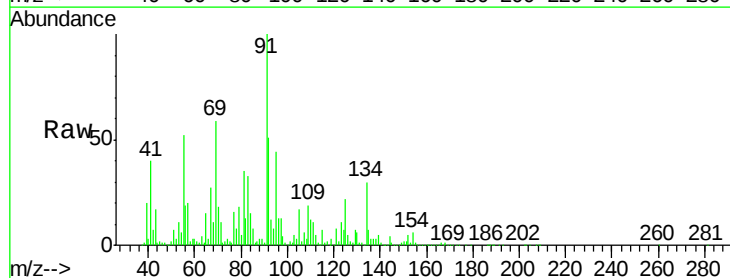
Instrument :
MSVOA_Y
ClientSampleId :
0375-AMENDED-COMP-MP-A

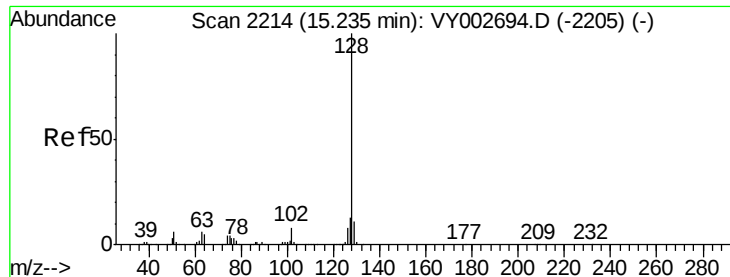
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.5
91	28.2	10.8	32.3



#89
n-Butylbenzene
Concen: 34.684 ug/l m
RT: 13.70 min Scan# 1962
Delta R.T. 0.01 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	26.8	80.4
134	0.0	14.5	43.5#

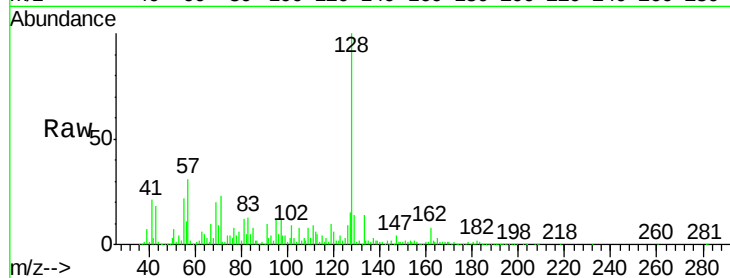




#95
Naphthalene
Concen: 162.319 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002717.D
Acq: 19 May 2020 12:40

Instrument :
MSVOA_Y
ClientSampleId :
0375-AMENDED-COMP-MP-A

Tot Ion:128 Resp: 813883
Ion Ratio Lower Upper
128 100
127 16.9 10.3 15.5#
129 17.8 8.7 13.1#



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

